



The Sizewell C Project

6.14 Environmental Statement Addendum

Volume 3: Environmental Statement Addendum Appendices

Chapter 2 Main Development Site Appendix 2.13.A

Phase 2 Geo-Environmental Interpretative Report Part 5 of 25

Revision: 2.0

Applicable Regulation: Regulation 5(2)(a)

PINS Reference Number: EN010012

January 2021

Planning Act 2008
Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009



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21/05/2011 06:00	0.544	10.95	0.87
21/05/2011 07:00	0.531	10.99	0.87
21/05/2011 08:00	0.512	10.92	0.86
21/05/2011 09:00	0.504	10.97	0.86
21/05/2011 10:00	0.51	11	0.87
21/05/2011 11:00	0.518	11.03	0.87
21/05/2011 12:00	0.528	11.02	0.87
21/05/2011 13:00	0.54	11.02	0.87
21/05/2011 14:00	0.545	10.93	0.86
21/05/2011 15:00	0.552	10.98	0.86
21/05/2011 16:00	0.553	10.92	0.86
21/05/2011 17:00	0.545	10.99	0.87
21/05/2011 18:00	0.534	10.99	0.87
21/05/2011 19:00	0.528	10.99	0.87
21/05/2011 20:00	0.519	10.94	0.86
21/05/2011 21:00	0.513	10.97	0.86
21/05/2011 22:00	0.512	10.96	0.86
21/05/2011 23:00	0.512	10.96	0.86
22/05/2011 00:00	0.522	10.94	0.86
22/05/2011 01:00	0.53	11.01	0.86
22/05/2011 02:00	0.544	10.96	0.86
22/05/2011 03:00	0.552	10.88	0.86
22/05/2011 04:00	0.559	10.96	0.86
22/05/2011 05:00	0.553	11	0.86
22/05/2011 06:00	0.542	10.96	0.86
22/05/2011 07:00	0.529	11.05	0.87
22/05/2011 08:00	0.519	11.01	0.86
22/05/2011 09:00	0.511	10.87	0.86
22/05/2011 10:00	0.496	10.88	0.86
22/05/2011 11:00	0.499	11	0.86
22/05/2011 12:00	0.508	10.91	0.86
22/05/2011 13:00	0.519	10.97	0.86
22/05/2011 14:00	0.527	10.98	0.86
22/05/2011 15:00	0.536	10.93	0.86
22/05/2011 16:00	0.541	11.03	0.86
22/05/2011 17:00	0.534	11	0.86
22/05/2011 18:00	0.524	11.01	0.86
22/05/2011 19:00	0.522	10.97	0.86
22/05/2011 20:00	0.51	11.01	0.86
22/05/2011 21:00	0.503	11	0.86
22/05/2011 22:00	0.5	10.91	0.86
22/05/2011 23:00	0.495	11.01	0.86
23/05/2011 00:00	0.505	10.95	0.86
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23/05/2011 02:00	0.525	11.01	0.86
23/05/2011 03:00	0.539	10.99	0.86
23/05/2011 04:00	0.547	10.97	0.86

23/05/2011 05:00	0.553	11	0.86
23/05/2011 06:00	0.549	11.01	0.86
23/05/2011 07:00	0.538	11.01	0.86
23/05/2011 08:00	0.518	10.97	0.86
23/05/2011 09:00	0.514	10.95	0.86
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23/05/2011 15:00	0.525	11.02	0.86
23/05/2011 16:00	0.532	10.96	0.86
23/05/2011 17:00	0.526	11.01	0.86
23/05/2011 18:00	0.517	10.93	0.86
23/05/2011 19:00	0.513	10.97	0.86
23/05/2011 20:00	0.507	10.97	0.86
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23/05/2011 22:00	0.486	11	0.86
23/05/2011 23:00	0.479	10.95	0.86
24/05/2011 00:00	0.476	10.87	0.86
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25/05/2011 03:00	0.513	10.97	0.86
25/05/2011 04:00	0.522	11.02	0.86
25/05/2011 05:00	0.533	11.04	0.86
25/05/2011 06:00	0.538	11.02	0.86
25/05/2011 07:00	0.535	10.97	0.86
25/05/2011 08:00	0.526	10.99	0.86
25/05/2011 09:00	0.521	11.01	0.86
25/05/2011 10:00	0.511	10.97	0.86
25/05/2011 11:00	0.503	11	0.86
25/05/2011 12:00	0.502	10.98	0.86
25/05/2011 13:00	0.498	10.99	0.86
25/05/2011 14:00	0.503	10.98	0.86
25/05/2011 15:00	0.505	11.01	0.86

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25/05/2011 18:00	0.533	11	0.86
25/05/2011 19:00	0.542	11.03	0.86
25/05/2011 20:00	0.543	10.98	0.86
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25/05/2011 23:00	0.508	10.94	0.86
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26/05/2011 02:00	0.497	10.95	0.85
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28/05/2011 20:00	0.531	10.95	0.85
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03/06/2011 19:00	0.496	11.07	0.85
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03/06/2011 22:00	0.51	11.09	0.85
03/06/2011 23:00	0.52	11.05	0.85
04/06/2011 00:00	0.532	11.02	0.85
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04/06/2011 12:00	0.531	11.05	0.85
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05/06/2011 16:00	0.56	11.06	0.85
05/06/2011 17:00	0.555	10.96	0.85
05/06/2011 18:00	0.546	11.04	0.85
05/06/2011 19:00	0.533	11.05	0.85
05/06/2011 20:00	0.525	11.01	0.85
05/06/2011 21:00	0.521	11.07	0.85
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05/06/2011 23:00	0.527	11.09	0.85
06/06/2011 00:00	0.536	11.1	0.85
06/06/2011 01:00	0.55	11.07	0.85
06/06/2011 02:00	0.558	11.07	0.85
06/06/2011 03:00	0.572	11.07	0.85
06/06/2011 04:00	0.568	11.08	0.85
06/06/2011 05:00	0.568	11.09	0.85
06/06/2011 06:00	0.555	10.96	0.85
06/06/2011 07:00	0.543	11.07	0.85
06/06/2011 08:00	0.534	11	0.85
06/06/2011 09:00	0.53	11.03	0.85
06/06/2011 10:00	0.53	11.06	0.85
06/06/2011 11:00	0.538	11.08	0.85
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06/06/2011 17:00	0.561	11.06	0.85
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06/06/2011 22:00	0.522	10.97	0.85

06/06/2011 23:00	0.52	11.03	0.85
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09/06/2011 09:00	0.524	11.1	0.85

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09/06/2011 11:00	0.504	10.98	0.84
09/06/2011 12:00	0.502	10.98	0.84
09/06/2011 13:00	0.516	11.13	0.85
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10/06/2011 03:00	0.514	11	0.84
10/06/2011 04:00	0.518	11.03	0.84
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21/06/2011 03:00	0.597	11.07	0.85
21/06/2011 04:00	0.608	11.18	0.85
21/06/2011 05:00	0.607	11.07	0.85
21/06/2011 06:00	0.602	11.16	0.85
21/06/2011 07:00	0.59	11.15	0.85
21/06/2011 08:00	0.575	11.15	0.85
21/06/2011 09:00	0.561	11.04	0.85
21/06/2011 10:00	0.551	11.03	0.85
21/06/2011 11:00	0.557	11.08	0.85
21/06/2011 12:00	0.562	11.06	0.85
21/06/2011 13:00	0.578	11.14	0.85
21/06/2011 14:00	0.589	11.03	0.85
21/06/2011 15:00	0.601	11.03	0.85
21/06/2011 16:00	0.601	11.12	0.85

21/06/2011 17:00	0.601	11.1	0.85
21/06/2011 18:00	0.595	11.05	0.85
21/06/2011 19:00	0.585	11.16	0.85
21/06/2011 20:00	0.579	11.16	0.85
21/06/2011 21:00	0.566	11.16	0.85
21/06/2011 22:00	0.558	11.11	0.85
21/06/2011 23:00	0.555	11.13	0.85
22/06/2011 00:00	0.556	11.16	0.85
22/06/2011 01:00	0.566	11.13	0.85
22/06/2011 02:00	0.572	11.12	0.85
22/06/2011 03:00	0.584	11.04	0.85
22/06/2011 04:00	0.594	11.15	0.85
22/06/2011 05:00	0.602	11.15	0.85
22/06/2011 06:00	0.598	11.17	0.85
22/06/2011 07:00	0.588	11.11	0.85
22/06/2011 08:00	0.571	11.16	0.85
22/06/2011 09:00	0.558	11.12	0.85
22/06/2011 10:00	0.552	11.09	0.85
22/06/2011 11:00	0.558	11.18	0.85
22/06/2011 12:00	0.565	11.21	0.85
22/06/2011 13:00	0.571	11.05	0.84
22/06/2011 14:00	0.578	11.19	0.85
22/06/2011 15:00	0.596	11.08	0.85
22/06/2011 16:00	0.608	11.06	0.85
22/06/2011 17:00	0.606	11.19	0.85
22/06/2011 18:00	0.6	11.11	0.85
22/06/2011 19:00	0.594	11.16	0.85
22/06/2011 20:00	0.585	11.06	0.85
22/06/2011 21:00	0.573	11.08	0.85
22/06/2011 22:00	0.57	11.07	0.85
22/06/2011 23:00	0.564	11.11	0.85
23/06/2011 00:00	0.562	11.05	0.85
23/06/2011 01:00	0.564	11.07	0.85
23/06/2011 02:00	0.574	11.1	0.85
23/06/2011 03:00	0.586	11.18	0.85
23/06/2011 04:00	0.593	11.13	0.85
23/06/2011 05:00	0.605	11.09	0.85
23/06/2011 06:00	0.605	11.08	0.85
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23/06/2011 08:00	0.59	11.05	0.84
23/06/2011 09:00	0.582	11.09	0.85
23/06/2011 10:00	0.567	11.1	0.85
23/06/2011 11:00	0.561	11.07	0.85
23/06/2011 12:00	0.569	11.14	0.85
23/06/2011 13:00	0.575	11.12	0.85
23/06/2011 14:00	0.592	11.09	0.85
23/06/2011 15:00	0.596	11.08	0.85
23/06/2011 16:00	0.601	11.08	0.85
23/06/2011 17:00	0.606	11.08	0.85
23/06/2011 18:00	0.61	11.07	0.85
23/06/2011 19:00	0.608	11.18	0.85
23/06/2011 20:00	0.606	11.08	0.85
23/06/2011 21:00	0.598	11.12	0.85
23/06/2011 22:00	0.588	11.1	0.85
23/06/2011 23:00	0.579	11.07	0.85
24/06/2011 00:00	0.576	11.05	0.85
24/06/2011 01:00	0.57	11.08	0.85
24/06/2011 02:00	0.574	11.14	0.85
24/06/2011 03:00	0.578	11.19	0.85

24/06/2011 04:00	0.583	11.13	0.85
24/06/2011 05:00	0.593	11.14	0.85
24/06/2011 06:00	0.603	11.1	0.85
24/06/2011 07:00	0.603	11.16	0.85
24/06/2011 08:00	0.598	11.16	0.85
24/06/2011 09:00	0.585	11.13	0.85
24/06/2011 10:00	0.574	11.06	0.85
24/06/2011 11:00	0.567	11.16	0.85
24/06/2011 12:00	0.563	11.07	0.85
24/06/2011 13:00	0.565	11.07	0.85
24/06/2011 14:00	0.573	11.1	0.85
24/06/2011 15:00	0.581	11.07	0.85
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24/06/2011 17:00	0.601	11.1	0.85
24/06/2011 18:00	0.611	11.08	0.85
24/06/2011 19:00	0.615	11.17	0.85
24/06/2011 20:00	0.613	11.06	0.85
24/06/2011 21:00	0.604	11.1	0.85
24/06/2011 22:00	0.596	11.12	0.85
24/06/2011 23:00	0.586	11.08	0.85
25/06/2011 00:00	0.577	11.05	0.85
25/06/2011 01:00	0.572	11.08	0.85
25/06/2011 02:00	0.569	11.07	0.85
25/06/2011 03:00	0.576	11.1	0.85
25/06/2011 04:00	0.575	11.07	0.85
25/06/2011 05:00	0.589	11.1	0.85
25/06/2011 06:00	0.598	11.16	0.85
25/06/2011 07:00	0.607	11.16	0.85
25/06/2011 08:00	0.61	11.16	0.85
25/06/2011 09:00	0.603	11.15	0.85
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25/06/2011 11:00	0.584	11.07	0.85
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25/06/2011 13:00	0.563	11.18	0.85
25/06/2011 14:00	0.562	11.11	0.85
25/06/2011 15:00	0.562	11.18	0.85
25/06/2011 16:00	0.572	11.13	0.85
25/06/2011 17:00	0.578	11.09	0.84
25/06/2011 18:00	0.587	11.1	0.85
25/06/2011 19:00	0.595	11.09	0.84
25/06/2011 20:00	0.6	11.07	0.84
25/06/2011 21:00	0.599	11.13	0.85
25/06/2011 22:00	0.593	11.07	0.84
25/06/2011 23:00	0.584	11.1	0.85
26/06/2011 00:00	0.58	11.1	0.85
26/06/2011 01:00	0.571	11.13	0.85
26/06/2011 02:00	0.568	11.19	0.85
26/06/2011 03:00	0.566	11.07	0.84
26/06/2011 04:00	0.57	11.16	0.85
26/06/2011 05:00	0.581	11.09	0.84
26/06/2011 06:00	0.588	11.07	0.84
26/06/2011 07:00	0.589	11.1	0.85
26/06/2011 08:00	0.589	11.07	0.84
26/06/2011 09:00	0.594	11.08	0.85
26/06/2011 10:00	0.593	11.09	0.85
26/06/2011 11:00	0.583	11.08	0.85
26/06/2011 12:00	0.578	11.14	0.85
26/06/2011 13:00	0.575	11.14	0.85
26/06/2011 14:00	0.567	11.18	0.85

26/06/2011 15:00	0.565	11.07	0.85
26/06/2011 16:00	0.571	11.09	0.85
26/06/2011 17:00	0.582	11.18	0.85
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26/06/2011 19:00	0.602	11.2	0.85
26/06/2011 20:00	0.612	11.11	0.85
26/06/2011 21:00	0.612	11.07	0.85
26/06/2011 22:00	0.611	11.11	0.85
26/06/2011 23:00	0.603	11.12	0.85
27/06/2011 00:00	0.598	11.11	0.85
27/06/2011 01:00	0.583	11.2	0.85
27/06/2011 02:00	0.581	11.12	0.85
27/06/2011 03:00	0.573	11.12	0.85
27/06/2011 04:00	0.569	11.2	0.85
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27/06/2011 06:00	0.581	11.09	0.85
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27/06/2011 08:00	0.586	11.06	0.84
27/06/2011 09:00	0.592	11.16	0.85
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27/06/2011 11:00	0.594	11.1	0.85
27/06/2011 12:00	0.589	11.13	0.85
27/06/2011 13:00	0.584	11.23	0.85
27/06/2011 14:00	0.573	11.17	0.85
27/06/2011 15:00	0.567	11.18	0.85
27/06/2011 16:00	0.567	11.18	0.85
27/06/2011 17:00	0.569	11.19	0.85
27/06/2011 18:00	0.579	11.1	0.84
27/06/2011 19:00	0.591	11.19	0.85
27/06/2011 20:00	0.599	11.22	0.85
27/06/2011 21:00	0.609	11.21	0.85
27/06/2011 22:00	0.613	11.08	0.84
27/06/2011 23:00	0.614	11.1	0.85
28/06/2011 00:00	0.611	11.16	0.85
28/06/2011 01:00	0.605	11.11	0.85
28/06/2011 02:00	0.594	11.1	0.85
28/06/2011 03:00	0.583	11.15	0.85
28/06/2011 04:00	0.576	11.14	0.85
28/06/2011 05:00	0.576	11.14	0.85
28/06/2011 06:00	0.578	11.14	0.85
28/06/2011 07:00	0.581	11.1	0.85
28/06/2011 08:00	0.582	11.12	0.85
28/06/2011 09:00	0.593	11.1	0.84

END OF DATA FILE OF DATALOGGER FOR WINDOWS

.16_K4981_110715104100.CSV

Data file for DataLogger.

=====

COMPANY : <Company name>

COMP.STATUS: Done

DATE : 15/07/2011

TIME : 10:41:21

FILENAME : C:\Documents and Settings\All Users\Application Data\DiverOffice\Sizewell\CSV\pz2009_

CREATED BY : SWS Diver-Office 4.0.76.0

===== BEGINNING OF DATA =====

[Logger settings]

Instrument type =CTD-Diver=17

Status =Started =0

Serial number =.00-K4999 317.

Instrument number =

=0

Location =pz2009_17

Sample period =M60

Sample method =T

Number of channels =3

[Channel 1]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm

Range =120.00 mS/cm

[Series settings]

Serial number =.00-K4999 317.

Instrument number =

Location =pz2009_17

Sample period =00 00:60:00 0

Sample method =T

Start date / time =00:00:06 09/04/11

End date / time =00:00:15 28/06/11

[Channel 1 from data header]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2 from data header]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3 from data header]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm
Range =120.00 mS/cm

[Data]

1930

Date/time	Water head[m]	Temperature[°C]	1:Conductivity[mS/cm]
09/04/2011 06:00	0.707	10.52	0.21
09/04/2011 07:00	0.681	10.51	0.21
09/04/2011 08:00	0.655	10.51	0.21
09/04/2011 09:00	0.638	10.52	0.21
09/04/2011 10:00	0.634	10.52	0.21
09/04/2011 11:00	0.645	10.52	0.21
09/04/2011 12:00	0.656	10.51	0.21
09/04/2011 13:00	0.669	10.53	0.21
09/04/2011 14:00	0.692	10.5	0.21
09/04/2011 15:00	0.704	10.51	0.21
09/04/2011 16:00	0.712	10.51	0.21
09/04/2011 17:00	0.707	10.51	0.21
09/04/2011 18:00	0.696	10.51	0.21
09/04/2011 19:00	0.674	10.52	0.21
09/04/2011 20:00	0.65	10.52	0.21
09/04/2011 21:00	0.632	10.52	0.21
09/04/2011 22:00	0.628	10.52	0.21
09/04/2011 23:00	0.639	10.52	0.21
10/04/2011 00:00	0.646	10.53	0.21
10/04/2011 01:00	0.662	10.52	0.21
10/04/2011 02:00	0.684	10.52	0.21
10/04/2011 03:00	0.7	10.49	0.21
10/04/2011 04:00	0.713	10.52	0.21
10/04/2011 05:00	0.711	10.51	0.21
10/04/2011 06:00	0.7	10.51	0.21
10/04/2011 07:00	0.679	10.51	0.21
10/04/2011 08:00	0.652	10.51	0.21
10/04/2011 09:00	0.629	10.53	0.21
10/04/2011 10:00	0.621	10.5	0.21
10/04/2011 11:00	0.625	10.5	0.21
10/04/2011 12:00	0.633	10.52	0.21
10/04/2011 13:00	0.649	10.52	0.21
10/04/2011 14:00	0.663	10.53	0.21
10/04/2011 15:00	0.682	10.51	0.21
10/04/2011 16:00	0.696	10.52	0.21
10/04/2011 17:00	0.703	10.53	0.21
10/04/2011 18:00	0.699	10.52	0.21
10/04/2011 19:00	0.681	10.52	0.21
10/04/2011 20:00	0.663	10.52	0.21
10/04/2011 21:00	0.64	10.52	0.21
10/04/2011 22:00	0.628	10.51	0.21
10/04/2011 23:00	0.621	10.51	0.21
11/04/2011 00:00	0.627	10.5	0.21
11/04/2011 01:00	0.64	10.51	0.21
11/04/2011 02:00	0.654	10.5	0.21
11/04/2011 03:00	0.672	10.51	0.21
11/04/2011 04:00	0.688	10.52	0.21
11/04/2011 05:00	0.702	10.52	0.21
11/04/2011 06:00	0.7	10.52	0.21
11/04/2011 07:00	0.69	10.52	0.21
11/04/2011 08:00	0.669	10.52	0.21
11/04/2011 09:00	0.648	10.51	0.21

11/04/2011 10:00	0.63	10.51	0.21
11/04/2011 11:00	0.628	10.5	0.21
11/04/2011 12:00	0.631	10.51	0.21
11/04/2011 13:00	0.639	10.49	0.21
11/04/2011 14:00	0.653	10.53	0.21
11/04/2011 15:00	0.672	10.49	0.21
11/04/2011 16:00	0.69	10.5	0.21
11/04/2011 17:00	0.707	10.53	0.21
11/04/2011 18:00	0.71	10.5	0.21
11/04/2011 19:00	0.699	10.52	0.21
11/04/2011 20:00	0.686	10.51	0.21
11/04/2011 21:00	0.667	10.52	0.21
11/04/2011 22:00	0.649	10.5	0.21
11/04/2011 23:00	0.636	10.5	0.21
12/04/2011 00:00	0.632	10.5	0.21
12/04/2011 01:00	0.633	10.51	0.21
12/04/2011 02:00	0.644	10.52	0.21
12/04/2011 03:00	0.665	10.51	0.21
12/04/2011 04:00	0.683	10.51	0.21
12/04/2011 05:00	0.701	10.51	0.21
12/04/2011 06:00	0.714	10.52	0.21
12/04/2011 07:00	0.72	10.51	0.21
12/04/2011 08:00	0.704	10.5	0.21
12/04/2011 09:00	0.69	10.5	0.21
12/04/2011 10:00	0.672	10.5	0.21
12/04/2011 11:00	0.661	10.52	0.21
12/04/2011 12:00	0.653	10.51	0.21
12/04/2011 13:00	0.652	10.51	0.21
12/04/2011 14:00	0.657	10.5	0.21
12/04/2011 15:00	0.669	10.51	0.21
12/04/2011 16:00	0.685	10.52	0.21
12/04/2011 17:00	0.7	10.51	0.21
12/04/2011 18:00	0.713	10.52	0.21
12/04/2011 19:00	0.717	10.5	0.21
12/04/2011 20:00	0.713	10.52	0.21
12/04/2011 21:00	0.692	10.52	0.21
12/04/2011 22:00	0.674	10.51	0.21
12/04/2011 23:00	0.654	10.49	0.21
13/04/2011 00:00	0.637	10.51	0.21
13/04/2011 01:00	0.624	10.51	0.21
13/04/2011 02:00	0.623	10.51	0.21
13/04/2011 03:00	0.63	10.51	0.21
13/04/2011 04:00	0.647	10.51	0.21
13/04/2011 05:00	0.662	10.5	0.21
13/04/2011 06:00	0.679	10.51	0.21
13/04/2011 07:00	0.694	10.5	0.21
13/04/2011 08:00	0.695	10.51	0.21
13/04/2011 09:00	0.689	10.51	0.21
13/04/2011 10:00	0.675	10.52	0.21
13/04/2011 11:00	0.659	10.51	0.21
13/04/2011 12:00	0.649	10.51	0.21
13/04/2011 13:00	0.637	10.51	0.21
13/04/2011 14:00	0.63	10.51	0.21
13/04/2011 15:00	0.633	10.51	0.21
13/04/2011 16:00	0.645	10.5	0.21
13/04/2011 17:00	0.66	10.5	0.21
13/04/2011 18:00	0.679	10.5	0.21
13/04/2011 19:00	0.69	10.51	0.21
13/04/2011 20:00	0.697	10.51	0.21

13/04/2011 21:00	0.699	10.5	0.21
13/04/2011 22:00	0.687	10.49	0.21
13/04/2011 23:00	0.668	10.51	0.21
14/04/2011 00:00	0.649	10.48	0.21
14/04/2011 01:00	0.626	10.48	0.21
14/04/2011 02:00	0.614	10.5	0.21
14/04/2011 03:00	0.614	10.49	0.21
14/04/2011 04:00	0.625	10.51	0.21
14/04/2011 05:00	0.64	10.51	0.21
14/04/2011 06:00	0.659	10.51	0.21
14/04/2011 07:00	0.681	10.5	0.21
14/04/2011 08:00	0.702	10.52	0.21
14/04/2011 09:00	0.706	10.51	0.21
14/04/2011 10:00	0.707	10.51	0.21
14/04/2011 11:00	0.692	10.5	0.21
14/04/2011 12:00	0.676	10.51	0.21
14/04/2011 13:00	0.657	10.49	0.21
14/04/2011 14:00	0.641	10.5	0.21
14/04/2011 15:00	0.635	10.52	0.21
14/04/2011 16:00	0.641	10.52	0.21
14/04/2011 17:00	0.655	10.51	0.21
14/04/2011 18:00	0.673	10.52	0.21
14/04/2011 19:00	0.692	10.52	0.21
14/04/2011 20:00	0.703	10.51	0.21
14/04/2011 21:00	0.71	10.5	0.21
14/04/2011 22:00	0.71	10.51	0.21
14/04/2011 23:00	0.698	10.51	0.21
15/04/2011 00:00	0.679	10.51	0.21
15/04/2011 01:00	0.657	10.5	0.21
15/04/2011 02:00	0.631	10.51	0.21
15/04/2011 03:00	0.614	10.51	0.21
15/04/2011 04:00	0.611	10.51	0.21
15/04/2011 05:00	0.617	10.5	0.21
15/04/2011 06:00	0.634	10.51	0.21
15/04/2011 07:00	0.655	10.5	0.21
15/04/2011 08:00	0.675	10.51	0.21
15/04/2011 09:00	0.695	10.51	0.21
15/04/2011 10:00	0.702	10.5	0.21
15/04/2011 11:00	0.698	10.5	0.21
15/04/2011 12:00	0.677	10.52	0.21
15/04/2011 13:00	0.656	10.51	0.21
15/04/2011 14:00	0.637	10.51	0.21
15/04/2011 15:00	0.615	10.51	0.21
15/04/2011 16:00	0.606	10.53	0.21
15/04/2011 17:00	0.612	10.49	0.21
15/04/2011 18:00	0.63	10.49	0.21
15/04/2011 19:00	0.653	10.51	0.21
15/04/2011 20:00	0.673	10.51	0.21
15/04/2011 21:00	0.692	10.5	0.21
15/04/2011 22:00	0.699	10.5	0.21
15/04/2011 23:00	0.7	10.51	0.21
16/04/2011 00:00	0.692	10.49	0.21
16/04/2011 01:00	0.667	10.5	0.21
16/04/2011 02:00	0.641	10.5	0.21
16/04/2011 03:00	0.613	10.5	0.21
16/04/2011 04:00	0.595	10.51	0.21
16/04/2011 05:00	0.597	10.5	0.21
16/04/2011 06:00	0.609	10.5	0.21
16/04/2011 07:00	0.634	10.51	0.21

16/04/2011 08:00	0.653	10.5	0.21
16/04/2011 09:00	0.676	10.51	0.21
16/04/2011 10:00	0.692	10.51	0.21
16/04/2011 11:00	0.699	10.52	0.21
16/04/2011 12:00	0.7	10.5	0.21
16/04/2011 13:00	0.684	10.51	0.21
16/04/2011 14:00	0.662	10.51	0.21
16/04/2011 15:00	0.636	10.5	0.21
16/04/2011 16:00	0.615	10.5	0.21
16/04/2011 17:00	0.609	10.5	0.21
16/04/2011 18:00	0.621	10.5	0.21
16/04/2011 19:00	0.647	10.51	0.21
16/04/2011 20:00	0.671	10.5	0.21
16/04/2011 21:00	0.696	10.51	0.21
16/04/2011 22:00	0.712	10.5	0.21
16/04/2011 23:00	0.713	10.51	0.21
17/04/2011 00:00	0.712	10.51	0.21
17/04/2011 01:00	0.697	10.5	0.21
17/04/2011 02:00	0.669	10.5	0.21
17/04/2011 03:00	0.638	10.48	0.21
17/04/2011 04:00	0.607	10.49	0.21
17/04/2011 05:00	0.597	10.5	0.21
17/04/2011 06:00	0.598	10.5	0.21
17/04/2011 07:00	0.615	10.49	0.21
17/04/2011 08:00	0.634	10.5	0.21
17/04/2011 09:00	0.652	10.5	0.21
17/04/2011 10:00	0.676	10.5	0.21
17/04/2011 11:00	0.69	10.51	0.21
17/04/2011 12:00	0.701	10.49	0.21
17/04/2011 13:00	0.694	10.5	0.21
17/04/2011 14:00	0.67	10.51	0.21
17/04/2011 15:00	0.648	10.5	0.21
17/04/2011 16:00	0.62	10.52	0.21
17/04/2011 17:00	0.6	10.51	0.21
17/04/2011 18:00	0.611	10.5	0.21
17/04/2011 19:00	0.631	10.5	0.21
17/04/2011 20:00	0.654	10.5	0.21
17/04/2011 21:00	0.677	10.51	0.21
17/04/2011 22:00	0.699	10.52	0.21
17/04/2011 23:00	0.717	10.51	0.21
18/04/2011 00:00	0.721	10.51	0.21
18/04/2011 01:00	0.713	10.49	0.21
18/04/2011 02:00	0.694	10.5	0.21
18/04/2011 03:00	0.662	10.49	0.21
18/04/2011 04:00	0.632	10.49	0.21
18/04/2011 05:00	0.604	10.51	0.21
18/04/2011 06:00	0.587	10.49	0.21
18/04/2011 07:00	0.598	10.5	0.21
18/04/2011 08:00	0.618	10.5	0.21
18/04/2011 09:00	0.633	10.49	0.21
18/04/2011 10:00	0.652	10.5	0.21
18/04/2011 11:00	0.684	10.49	0.21
18/04/2011 12:00	0.694	10.51	0.21
18/04/2011 13:00	0.702	10.5	0.21
18/04/2011 14:00	0.688	10.5	0.21
18/04/2011 15:00	0.663	10.51	0.21
18/04/2011 16:00	0.637	10.49	0.21
18/04/2011 17:00	0.614	10.51	0.21
18/04/2011 18:00	0.606	10.51	0.21

18/04/2011 19:00	0.612	10.48	0.21
18/04/2011 20:00	0.635	10.52	0.21
18/04/2011 21:00	0.657	10.53	0.21
18/04/2011 22:00	0.679	10.52	0.21
18/04/2011 23:00	0.704	10.51	0.21
19/04/2011 00:00	0.718	10.51	0.21
19/04/2011 01:00	0.72	10.54	0.21
19/04/2011 02:00	0.717	10.51	0.21
19/04/2011 03:00	0.688	10.5	0.21
19/04/2011 04:00	0.657	10.52	0.21
19/04/2011 05:00	0.624	10.5	0.21
19/04/2011 06:00	0.594	10.48	0.21
19/04/2011 07:00	0.582	10.51	0.21
19/04/2011 08:00	0.597	10.51	0.21
19/04/2011 09:00	0.613	10.51	0.21
19/04/2011 10:00	0.633	10.52	0.21
19/04/2011 11:00	0.658	10.51	0.21
19/04/2011 12:00	0.681	10.5	0.21
19/04/2011 13:00	0.695	10.51	0.21
19/04/2011 14:00	0.696	10.52	0.21
19/04/2011 15:00	0.68	10.51	0.21
19/04/2011 16:00	0.655	10.5	0.21
19/04/2011 17:00	0.635	10.52	0.21
19/04/2011 18:00	0.609	10.5	0.21
19/04/2011 19:00	0.597	10.49	0.21
19/04/2011 20:00	0.615	10.51	0.21
19/04/2011 21:00	0.637	10.5	0.21
19/04/2011 22:00	0.665	10.5	0.21
19/04/2011 23:00	0.69	10.51	0.21
20/04/2011 00:00	0.713	10.51	0.21
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20/04/2011 05:00	0.662	10.52	0.21
20/04/2011 06:00	0.631	10.5	0.21
20/04/2011 07:00	0.604	10.52	0.21
20/04/2011 08:00	0.599	10.52	0.21
20/04/2011 09:00	0.607	10.51	0.21
20/04/2011 10:00	0.628	10.49	0.21
20/04/2011 11:00	0.65	10.52	0.21
20/04/2011 12:00	0.688	10.52	0.21
20/04/2011 13:00	0.702	10.49	0.21
20/04/2011 14:00	0.705	10.51	0.21
20/04/2011 15:00	0.701	10.51	0.21
20/04/2011 16:00	0.685	10.51	0.21
20/04/2011 17:00	0.654	10.5	0.21
20/04/2011 18:00	0.626	10.5	0.21
20/04/2011 19:00	0.605	10.5	0.21
20/04/2011 20:00	0.595	10.48	0.21
20/04/2011 21:00	0.609	10.5	0.21
20/04/2011 22:00	0.628	10.52	0.21
20/04/2011 23:00	0.654	10.52	0.21
21/04/2011 00:00	0.682	10.53	0.21
21/04/2011 01:00	0.705	10.51	0.21
21/04/2011 02:00	0.716	10.53	0.21
21/04/2011 03:00	0.721	10.51	0.21
21/04/2011 04:00	0.704	10.51	0.21
21/04/2011 05:00	0.675	10.48	0.21

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21/04/2011 08:00	0.599	10.52	0.21
21/04/2011 09:00	0.6	10.51	0.21
21/04/2011 10:00	0.619	10.51	0.21
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21/04/2011 12:00	0.66	10.52	0.21
21/04/2011 13:00	0.683	10.49	0.21
21/04/2011 14:00	0.695	10.5	0.21
21/04/2011 15:00	0.706	10.5	0.21
21/04/2011 16:00	0.696	10.5	0.21
21/04/2011 17:00	0.673	10.5	0.21
21/04/2011 18:00	0.652	10.5	0.21
21/04/2011 19:00	0.626	10.5	0.21
21/04/2011 20:00	0.602	10.51	0.21
21/04/2011 21:00	0.601	10.5	0.21
21/04/2011 22:00	0.621	10.51	0.21
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22/04/2011 03:00	0.723	10.51	0.21
22/04/2011 04:00	0.72	10.51	0.21
22/04/2011 05:00	0.698	10.52	0.21
22/04/2011 06:00	0.676	10.51	0.21
22/04/2011 07:00	0.649	10.5	0.21
22/04/2011 08:00	0.621	10.5	0.21
22/04/2011 09:00	0.606	10.49	0.21
22/04/2011 10:00	0.608	10.5	0.21
22/04/2011 11:00	0.625	10.5	0.21
22/04/2011 12:00	0.641	10.49	0.21
22/04/2011 13:00	0.663	10.49	0.21
22/04/2011 14:00	0.682	10.5	0.21
22/04/2011 15:00	0.696	10.5	0.21
22/04/2011 16:00	0.701	10.51	0.21
22/04/2011 17:00	0.685	10.5	0.21
22/04/2011 18:00	0.666	10.51	0.21
22/04/2011 19:00	0.637	10.5	0.21
22/04/2011 20:00	0.618	10.51	0.21
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22/04/2011 22:00	0.6	10.5	0.21
22/04/2011 23:00	0.611	10.5	0.21
23/04/2011 00:00	0.628	10.5	0.21
23/04/2011 01:00	0.653	10.5	0.21
23/04/2011 02:00	0.678	10.5	0.21
23/04/2011 03:00	0.695	10.51	0.21
23/04/2011 04:00	0.703	10.52	0.21
23/04/2011 05:00	0.704	10.51	0.21
23/04/2011 06:00	0.686	10.5	0.21
23/04/2011 07:00	0.662	10.51	0.21
23/04/2011 08:00	0.633	10.54	0.21
23/04/2011 09:00	0.608	10.49	0.21
23/04/2011 10:00	0.6	10.49	0.21
23/04/2011 11:00	0.611	10.5	0.21
23/04/2011 12:00	0.629	10.51	0.21
23/04/2011 13:00	0.645	10.5	0.21
23/04/2011 14:00	0.667	10.49	0.21
23/04/2011 15:00	0.689	10.5	0.21
23/04/2011 16:00	0.695	10.48	0.21

23/04/2011 17:00	0.695	10.5	0.21
23/04/2011 18:00	0.68	10.51	0.21
23/04/2011 19:00	0.658	10.5	0.21
23/04/2011 20:00	0.635	10.51	0.21
23/04/2011 21:00	0.608	10.51	0.21
23/04/2011 22:00	0.596	10.5	0.21
23/04/2011 23:00	0.597	10.51	0.21
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24/04/2011 02:00	0.647	10.49	0.21
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24/04/2011 18:00	0.698	10.51	0.21
24/04/2011 19:00	0.685	10.5	0.21
24/04/2011 20:00	0.66	10.49	0.21
24/04/2011 21:00	0.633	10.51	0.21
24/04/2011 22:00	0.616	10.49	0.21
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25/04/2011 02:00	0.624	10.49	0.21
25/04/2011 03:00	0.641	10.49	0.21
25/04/2011 04:00	0.663	10.49	0.21
25/04/2011 05:00	0.686	10.48	0.21
25/04/2011 06:00	0.698	10.5	0.21
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25/04/2011 10:00	0.64	10.5	0.21
25/04/2011 11:00	0.627	10.51	0.21
25/04/2011 12:00	0.62	10.5	0.21
25/04/2011 13:00	0.627	10.49	0.21
25/04/2011 14:00	0.634	10.48	0.21
25/04/2011 15:00	0.65	10.48	0.21
25/04/2011 16:00	0.662	10.52	0.21
25/04/2011 17:00	0.677	10.5	0.21
25/04/2011 18:00	0.687	10.49	0.21
25/04/2011 19:00	0.689	10.48	0.21
25/04/2011 20:00	0.675	10.48	0.21
25/04/2011 21:00	0.656	10.49	0.21
25/04/2011 22:00	0.638	10.49	0.21
25/04/2011 23:00	0.617	10.49	0.21
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26/04/2011 01:00	0.6	10.48	0.21
26/04/2011 02:00	0.61	10.49	0.21
26/04/2011 03:00	0.616	10.5	0.21

26/04/2011 04:00	0.636	10.49	0.21
26/04/2011 05:00	0.659	10.49	0.21
26/04/2011 06:00	0.675	10.48	0.21
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26/04/2011 08:00	0.686	10.5	0.21
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26/04/2011 11:00	0.644	10.48	0.21
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26/04/2011 17:00	0.667	10.49	0.21
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26/04/2011 20:00	0.687	10.5	0.21
26/04/2011 21:00	0.677	10.49	0.21
26/04/2011 22:00	0.662	10.5	0.21
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27/04/2011 03:00	0.601	10.49	0.21
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27/04/2011 19:00	0.68	10.49	0.21
27/04/2011 20:00	0.693	10.48	0.21
27/04/2011 21:00	0.691	10.5	0.21
27/04/2011 22:00	0.684	10.49	0.21
27/04/2011 23:00	0.672	10.48	0.21
28/04/2011 00:00	0.649	10.47	0.21
28/04/2011 01:00	0.631	10.48	0.21
28/04/2011 02:00	0.615	10.47	0.21
28/04/2011 03:00	0.607	10.49	0.21
28/04/2011 04:00	0.608	10.5	0.21
28/04/2011 05:00	0.615	10.47	0.21
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28/04/2011 08:00	0.671	10.48	0.21
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28/04/2011 11:00	0.687	10.49	0.21
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28/04/2011 13:00	0.658	10.49	0.21
28/04/2011 14:00	0.637	10.48	0.21

28/04/2011 15:00	0.631	10.49	0.21
28/04/2011 16:00	0.637	10.49	0.21
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28/04/2011 18:00	0.665	10.49	0.21
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28/04/2011 20:00	0.697	10.47	0.21
28/04/2011 21:00	0.703	10.48	0.21
28/04/2011 22:00	0.704	10.48	0.21
28/04/2011 23:00	0.695	10.49	0.21
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29/04/2011 01:00	0.663	10.48	0.21
29/04/2011 02:00	0.636	10.49	0.21
29/04/2011 03:00	0.621	10.49	0.21
29/04/2011 04:00	0.612	10.48	0.21
29/04/2011 05:00	0.616	10.48	0.21
29/04/2011 06:00	0.626	10.49	0.21
29/04/2011 07:00	0.643	10.48	0.21
29/04/2011 08:00	0.658	10.47	0.21
29/04/2011 09:00	0.675	10.48	0.21
29/04/2011 10:00	0.681	10.49	0.21
29/04/2011 11:00	0.683	10.47	0.21
29/04/2011 12:00	0.677	10.49	0.21
29/04/2011 13:00	0.665	10.48	0.21
29/04/2011 14:00	0.651	10.49	0.21
29/04/2011 15:00	0.634	10.48	0.21
29/04/2011 16:00	0.626	10.48	0.21
29/04/2011 17:00	0.633	10.48	0.21
29/04/2011 18:00	0.646	10.47	0.21
29/04/2011 19:00	0.665	10.48	0.21
29/04/2011 20:00	0.683	10.47	0.21
29/04/2011 21:00	0.697	10.49	0.21
29/04/2011 22:00	0.708	10.47	0.21
29/04/2011 23:00	0.705	10.49	0.21
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30/04/2011 01:00	0.675	10.48	0.21
30/04/2011 02:00	0.658	10.48	0.21
30/04/2011 03:00	0.632	10.47	0.21
30/04/2011 04:00	0.617	10.47	0.21
30/04/2011 05:00	0.61	10.47	0.21
30/04/2011 06:00	0.62	10.48	0.21
30/04/2011 07:00	0.63	10.49	0.21
30/04/2011 08:00	0.648	10.47	0.21
30/04/2011 09:00	0.663	10.48	0.21
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30/04/2011 14:00	0.655	10.47	0.21
30/04/2011 15:00	0.637	10.48	0.21
30/04/2011 16:00	0.622	10.47	0.21
30/04/2011 17:00	0.62	10.48	0.21
30/04/2011 18:00	0.63	10.5	0.21
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30/04/2011 21:00	0.687	10.48	0.21
30/04/2011 22:00	0.697	10.49	0.21
30/04/2011 23:00	0.708	10.47	0.21
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01/05/2011 01:00	0.687	10.48	0.21

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01/05/2011 03:00	0.645	10.48	0.21
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01/05/2011 05:00	0.612	10.47	0.21
01/05/2011 06:00	0.611	10.47	0.21
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01/05/2011 08:00	0.632	10.46	0.21
01/05/2011 09:00	0.65	10.48	0.21
01/05/2011 10:00	0.669	10.48	0.21
01/05/2011 11:00	0.687	10.47	0.21
01/05/2011 12:00	0.692	10.48	0.21
01/05/2011 13:00	0.683	10.47	0.21
01/05/2011 14:00	0.666	10.47	0.21
01/05/2011 15:00	0.645	10.49	0.21
01/05/2011 16:00	0.624	10.45	0.21
01/05/2011 17:00	0.611	10.47	0.21
01/05/2011 18:00	0.615	10.47	0.21
01/05/2011 19:00	0.635	10.47	0.21
01/05/2011 20:00	0.65	10.47	0.21
01/05/2011 21:00	0.674	10.45	0.21
01/05/2011 22:00	0.691	10.47	0.21
01/05/2011 23:00	0.705	10.46	0.21
02/05/2011 00:00	0.71	10.46	0.21
02/05/2011 01:00	0.702	10.46	0.21
02/05/2011 02:00	0.684	10.47	0.21
02/05/2011 03:00	0.66	10.48	0.21
02/05/2011 04:00	0.637	10.48	0.21
02/05/2011 05:00	0.614	10.47	0.21
02/05/2011 06:00	0.604	10.46	0.21
02/05/2011 07:00	0.613	10.47	0.21
02/05/2011 08:00	0.623	10.48	0.21
02/05/2011 09:00	0.64	10.47	0.21
02/05/2011 10:00	0.658	10.5	0.21
02/05/2011 11:00	0.676	10.46	0.21
02/05/2011 12:00	0.685	10.46	0.21
02/05/2011 13:00	0.687	10.48	0.21
02/05/2011 14:00	0.672	10.47	0.21
02/05/2011 15:00	0.648	10.46	0.21
02/05/2011 16:00	0.63	10.48	0.21
02/05/2011 17:00	0.613	10.46	0.21
02/05/2011 18:00	0.607	10.47	0.21
02/05/2011 19:00	0.617	10.47	0.21
02/05/2011 20:00	0.637	10.47	0.21
02/05/2011 21:00	0.657	10.47	0.21
02/05/2011 22:00	0.677	10.47	0.21
02/05/2011 23:00	0.694	10.46	0.21
03/05/2011 00:00	0.7	10.48	0.21
03/05/2011 01:00	0.701	10.48	0.21
03/05/2011 02:00	0.688	10.46	0.21
03/05/2011 03:00	0.665	10.47	0.21
03/05/2011 04:00	0.638	10.46	0.21
03/05/2011 05:00	0.613	10.47	0.21
03/05/2011 06:00	0.595	10.47	0.21
03/05/2011 07:00	0.597	10.48	0.21
03/05/2011 08:00	0.609	10.47	0.21
03/05/2011 09:00	0.626	10.47	0.21
03/05/2011 10:00	0.643	10.47	0.21
03/05/2011 11:00	0.667	10.45	0.21
03/05/2011 12:00	0.679	10.46	0.21

03/05/2011 13:00	0.682	10.47	0.21
03/05/2011 14:00	0.676	10.46	0.21
03/05/2011 15:00	0.656	10.48	0.21
03/05/2011 16:00	0.629	10.47	0.21
03/05/2011 17:00	0.609	10.47	0.21
03/05/2011 18:00	0.59	10.47	0.21
03/05/2011 19:00	0.598	10.47	0.21
03/05/2011 20:00	0.611	10.46	0.21
03/05/2011 21:00	0.634	10.47	0.21
03/05/2011 22:00	0.654	10.47	0.21
03/05/2011 23:00	0.677	10.46	0.21
04/05/2011 00:00	0.691	10.47	0.21
04/05/2011 01:00	0.7	10.47	0.21
04/05/2011 02:00	0.696	10.46	0.21
04/05/2011 03:00	0.675	10.48	0.21
04/05/2011 04:00	0.65	10.46	0.21
04/05/2011 05:00	0.627	10.46	0.21
04/05/2011 06:00	0.605	10.47	0.21
04/05/2011 07:00	0.598	10.48	0.21
04/05/2011 08:00	0.603	10.46	0.21
04/05/2011 09:00	0.614	10.46	0.21
04/05/2011 10:00	0.632	10.48	0.21
04/05/2011 11:00	0.653	10.46	0.21
04/05/2011 12:00	0.672	10.47	0.21
04/05/2011 13:00	0.682	10.46	0.21
04/05/2011 14:00	0.681	10.47	0.21
04/05/2011 15:00	0.669	10.47	0.21
04/05/2011 16:00	0.651	10.46	0.21
04/05/2011 17:00	0.622	10.45	0.21
04/05/2011 18:00	0.596	10.46	0.21
04/05/2011 19:00	0.592	10.46	0.21
04/05/2011 20:00	0.598	10.47	0.21
04/05/2011 21:00	0.613	10.46	0.21
04/05/2011 22:00	0.637	10.47	0.21
04/05/2011 23:00	0.653	10.47	0.21
05/05/2011 00:00	0.675	10.45	0.21
05/05/2011 01:00	0.686	10.48	0.21
05/05/2011 02:00	0.69	10.46	0.21
05/05/2011 03:00	0.678	10.46	0.21
05/05/2011 04:00	0.655	10.46	0.21
05/05/2011 05:00	0.634	10.47	0.21
05/05/2011 06:00	0.605	10.45	0.21
05/05/2011 07:00	0.586	10.46	0.21
05/05/2011 08:00	0.588	10.45	0.21
05/05/2011 09:00	0.597	10.46	0.21
05/05/2011 10:00	0.608	10.45	0.21
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05/05/2011 14:00	0.673	10.46	0.21
05/05/2011 15:00	0.666	10.46	0.21
05/05/2011 16:00	0.648	10.46	0.21
05/05/2011 17:00	0.628	10.46	0.21
05/05/2011 18:00	0.604	10.46	0.21
05/05/2011 19:00	0.586	10.46	0.21
05/05/2011 20:00	0.582	10.46	0.21
05/05/2011 21:00	0.59	10.45	0.21
05/05/2011 22:00	0.608	10.45	0.21
05/05/2011 23:00	0.625	10.48	0.21

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06/05/2011 01:00	0.667	10.47	0.21
06/05/2011 02:00	0.677	10.44	0.21
06/05/2011 03:00	0.678	10.48	0.21
06/05/2011 04:00	0.661	10.47	0.21
06/05/2011 05:00	0.637	10.45	0.21
06/05/2011 06:00	0.613	10.45	0.21
06/05/2011 07:00	0.591	10.47	0.21
06/05/2011 08:00	0.578	10.46	0.21
06/05/2011 09:00	0.581	10.46	0.21
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06/05/2011 13:00	0.657	10.45	0.21
06/05/2011 14:00	0.662	10.44	0.21
06/05/2011 15:00	0.665	10.46	0.21
06/05/2011 16:00	0.656	10.47	0.21
06/05/2011 17:00	0.633	10.46	0.21
06/05/2011 18:00	0.608	10.47	0.21
06/05/2011 19:00	0.594	10.45	0.21
06/05/2011 20:00	0.58	10.46	0.21
06/05/2011 21:00	0.584	10.46	0.21
06/05/2011 22:00	0.598	10.47	0.21
06/05/2011 23:00	0.616	10.45	0.21
07/05/2011 00:00	0.635	10.47	0.21
07/05/2011 01:00	0.655	10.46	0.21
07/05/2011 02:00	0.674	10.46	0.21
07/05/2011 03:00	0.681	10.46	0.21
07/05/2011 04:00	0.675	10.46	0.21
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07/05/2011 17:00	0.656	10.46	0.21
07/05/2011 18:00	0.634	10.45	0.21
07/05/2011 19:00	0.61	10.46	0.21
07/05/2011 20:00	0.585	10.45	0.21
07/05/2011 21:00	0.583	10.47	0.21
07/05/2011 22:00	0.593	10.45	0.21
07/05/2011 23:00	0.601	10.45	0.21
08/05/2011 00:00	0.622	10.46	0.21
08/05/2011 01:00	0.642	10.46	0.21
08/05/2011 02:00	0.665	10.45	0.21
08/05/2011 03:00	0.681	10.45	0.21
08/05/2011 04:00	0.686	10.44	0.21
08/05/2011 05:00	0.67	10.47	0.21
08/05/2011 06:00	0.644	10.45	0.21
08/05/2011 07:00	0.621	10.45	0.21
08/05/2011 08:00	0.604	10.44	0.21
08/05/2011 09:00	0.589	10.45	0.21
08/05/2011 10:00	0.586	10.46	0.21

08/05/2011 11:00	0.59	10.47	0.21
08/05/2011 12:00	0.61	10.46	0.21
08/05/2011 13:00	0.623	10.45	0.21
08/05/2011 14:00	0.638	10.45	0.21
08/05/2011 15:00	0.647	10.45	0.21
08/05/2011 16:00	0.653	10.44	0.21
08/05/2011 17:00	0.638	10.46	0.21
08/05/2011 18:00	0.621	10.44	0.21
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08/05/2011 20:00	0.582	10.46	0.21
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08/05/2011 22:00	0.564	10.46	0.21
08/05/2011 23:00	0.571	10.46	0.21
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09/05/2011 01:00	0.607	10.44	0.21
09/05/2011 02:00	0.628	10.46	0.21
09/05/2011 03:00	0.643	10.45	0.21
09/05/2011 04:00	0.661	10.45	0.21
09/05/2011 05:00	0.662	10.45	0.22
09/05/2011 06:00	0.648	10.45	0.22
09/05/2011 07:00	0.625	10.46	0.22
09/05/2011 08:00	0.6	10.47	0.22
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09/05/2011 10:00	0.581	10.45	0.22
09/05/2011 11:00	0.59	10.45	0.22
09/05/2011 12:00	0.604	10.45	0.22
09/05/2011 13:00	0.623	10.46	0.22
09/05/2011 14:00	0.643	10.45	0.22
09/05/2011 15:00	0.659	10.45	0.22
09/05/2011 16:00	0.665	10.45	0.22
09/05/2011 17:00	0.664	10.47	0.22
09/05/2011 18:00	0.659	10.48	0.22
09/05/2011 19:00	0.643	10.51	0.22
09/05/2011 20:00	0.621	10.49	0.22
09/05/2011 21:00	0.598	10.49	0.22
09/05/2011 22:00	0.583	10.53	0.22
09/05/2011 23:00	0.579	10.51	0.22
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10/05/2011 02:00	0.623	10.52	0.22
10/05/2011 03:00	0.644	10.48	0.22
10/05/2011 04:00	0.663	10.51	0.22
10/05/2011 05:00	0.677	10.5	0.22
10/05/2011 06:00	0.674	10.49	0.22
10/05/2011 07:00	0.657	10.48	0.22
10/05/2011 08:00	0.626	10.49	0.22
10/05/2011 09:00	0.604	10.46	0.22
10/05/2011 10:00	0.595	10.48	0.22
10/05/2011 11:00	0.595	10.5	0.22
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10/05/2011 13:00	0.611	10.46	0.22
10/05/2011 14:00	0.621	10.5	0.22
10/05/2011 15:00	0.639	10.48	0.22
10/05/2011 16:00	0.651	10.49	0.22
10/05/2011 17:00	0.657	10.46	0.22
10/05/2011 18:00	0.66	10.46	0.22
10/05/2011 19:00	0.652	10.47	0.22
10/05/2011 20:00	0.63	10.46	0.22
10/05/2011 21:00	0.608	10.47	0.22

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10/05/2011 23:00	0.572	10.46	0.22
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11/05/2011 01:00	0.574	10.46	0.22
11/05/2011 02:00	0.585	10.5	0.22
11/05/2011 03:00	0.605	10.49	0.22
11/05/2011 04:00	0.626	10.48	0.22
11/05/2011 05:00	0.646	10.5	0.22
11/05/2011 06:00	0.659	10.51	0.22
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11/05/2011 08:00	0.639	10.49	0.22
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11/05/2011 12:00	0.604	10.5	0.22
11/05/2011 13:00	0.609	10.49	0.22
11/05/2011 14:00	0.618	10.49	0.22
11/05/2011 15:00	0.634	10.48	0.22
11/05/2011 16:00	0.655	10.49	0.22
11/05/2011 17:00	0.674	10.48	0.22
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11/05/2011 19:00	0.678	10.48	0.22
11/05/2011 20:00	0.664	10.46	0.22
11/05/2011 21:00	0.645	10.5	0.22
11/05/2011 22:00	0.624	10.49	0.22
11/05/2011 23:00	0.604	10.49	0.22
12/05/2011 00:00	0.588	10.49	0.22
12/05/2011 01:00	0.577	10.49	0.22
12/05/2011 02:00	0.577	10.5	0.22
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12/05/2011 08:00	0.652	10.49	0.22
12/05/2011 09:00	0.644	10.46	0.22
12/05/2011 10:00	0.63	10.48	0.22
12/05/2011 11:00	0.611	10.45	0.22
12/05/2011 12:00	0.6	10.45	0.22
12/05/2011 13:00	0.59	10.47	0.22
12/05/2011 14:00	0.596	10.45	0.22
12/05/2011 15:00	0.604	10.46	0.22
12/05/2011 16:00	0.623	10.46	0.22
12/05/2011 17:00	0.636	10.49	0.22
12/05/2011 18:00	0.657	10.47	0.22
12/05/2011 19:00	0.665	10.47	0.22
12/05/2011 20:00	0.67	10.45	0.22
12/05/2011 21:00	0.66	10.46	0.22
12/05/2011 22:00	0.64	10.46	0.22
12/05/2011 23:00	0.623	10.48	0.22
13/05/2011 00:00	0.594	10.44	0.22
13/05/2011 01:00	0.575	10.47	0.22
13/05/2011 02:00	0.57	10.48	0.22
13/05/2011 03:00	0.573	10.47	0.22
13/05/2011 04:00	0.583	10.45	0.22
13/05/2011 05:00	0.602	10.47	0.22
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13/05/2011 07:00	0.64	10.48	0.22
13/05/2011 08:00	0.651	10.47	0.22

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13/05/2011 10:00	0.65	10.45	0.22
13/05/2011 11:00	0.639	10.45	0.22
13/05/2011 12:00	0.623	10.46	0.22
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13/05/2011 23:00	0.642	10.46	0.22
14/05/2011 00:00	0.618	10.44	0.22
14/05/2011 01:00	0.594	10.45	0.22
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14/05/2011 22:00	0.676	10.46	0.23
14/05/2011 23:00	0.672	10.47	0.23
15/05/2011 00:00	0.648	10.46	0.23
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15/05/2011 02:00	0.597	10.48	0.23
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15/05/2011 12:00	0.657	10.45	0.23
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15/05/2011 16:00	0.573	10.46	0.23
15/05/2011 17:00	0.58	10.49	0.23
15/05/2011 18:00	0.595	10.48	0.23
15/05/2011 19:00	0.619	10.5	0.23

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15/05/2011 22:00	0.671	10.45	0.23
15/05/2011 23:00	0.672	10.49	0.23
16/05/2011 00:00	0.662	10.43	0.23
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16/05/2011 20:00	0.613	10.49	0.23
16/05/2011 21:00	0.64	10.5	0.23
16/05/2011 22:00	0.663	10.5	0.23
16/05/2011 23:00	0.673	10.49	0.23
17/05/2011 00:00	0.683	10.48	0.23
17/05/2011 01:00	0.674	10.46	0.23
17/05/2011 02:00	0.646	10.46	0.23
17/05/2011 03:00	0.619	10.46	0.23
17/05/2011 04:00	0.591	10.44	0.23
17/05/2011 05:00	0.57	10.48	0.23
17/05/2011 06:00	0.564	10.48	0.23
17/05/2011 07:00	0.577	10.5	0.23
17/05/2011 08:00	0.596	10.51	0.23
17/05/2011 09:00	0.612	10.47	0.23
17/05/2011 10:00	0.639	10.47	0.23
17/05/2011 11:00	0.656	10.46	0.23
17/05/2011 12:00	0.666	10.44	0.23
17/05/2011 13:00	0.669	10.49	0.23
17/05/2011 14:00	0.654	10.46	0.23
17/05/2011 15:00	0.625	10.47	0.23
17/05/2011 16:00	0.603	10.47	0.23
17/05/2011 17:00	0.578	10.5	0.23
17/05/2011 18:00	0.569	10.47	0.23
17/05/2011 19:00	0.575	10.5	0.23
17/05/2011 20:00	0.599	10.49	0.23
17/05/2011 21:00	0.619	10.48	0.23
17/05/2011 22:00	0.647	10.48	0.23
17/05/2011 23:00	0.67	10.49	0.23
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18/05/2011 01:00	0.68	10.49	0.23
18/05/2011 02:00	0.667	10.45	0.23
18/05/2011 03:00	0.641	10.49	0.23
18/05/2011 04:00	0.614	10.45	0.23
18/05/2011 05:00	0.585	10.46	0.23
18/05/2011 06:00	0.561	10.47	0.23

18/05/2011 07:00	0.562	10.45	0.23
18/05/2011 08:00	0.573	10.45	0.23
18/05/2011 09:00	0.594	10.47	0.23
18/05/2011 10:00	0.61	10.5	0.23
18/05/2011 11:00	0.637	10.49	0.23
18/05/2011 12:00	0.652	10.51	0.23
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18/05/2011 14:00	0.649	10.46	0.23
18/05/2011 15:00	0.623	10.46	0.23
18/05/2011 16:00	0.601	10.45	0.23
18/05/2011 17:00	0.572	10.46	0.23
18/05/2011 18:00	0.557	10.47	0.23
18/05/2011 19:00	0.553	10.47	0.23
18/05/2011 20:00	0.575	10.48	0.23
18/05/2011 21:00	0.6	10.5	0.23
18/05/2011 22:00	0.622	10.46	0.23
18/05/2011 23:00	0.654	10.47	0.23
19/05/2011 00:00	0.673	10.47	0.23
19/05/2011 01:00	0.686	10.48	0.23
19/05/2011 02:00	0.692	10.47	0.23
19/05/2011 03:00	0.673	10.44	0.23
19/05/2011 04:00	0.647	10.45	0.23
19/05/2011 05:00	0.619	10.46	0.23
19/05/2011 06:00	0.594	10.47	0.23
19/05/2011 07:00	0.574	10.48	0.23
19/05/2011 08:00	0.575	10.5	0.23
19/05/2011 09:00	0.595	10.49	0.23
19/05/2011 10:00	0.615	10.48	0.23
19/05/2011 11:00	0.641	10.47	0.23
19/05/2011 12:00	0.668	10.46	0.23
19/05/2011 13:00	0.682	10.48	0.23
19/05/2011 14:00	0.681	10.44	0.23
19/05/2011 15:00	0.668	10.44	0.23
19/05/2011 16:00	0.647	10.46	0.23
19/05/2011 17:00	0.619	10.44	0.23
19/05/2011 18:00	0.592	10.45	0.23
19/05/2011 19:00	0.579	10.44	0.23
19/05/2011 20:00	0.577	10.45	0.23
19/05/2011 21:00	0.592	10.48	0.23
19/05/2011 22:00	0.615	10.47	0.23
19/05/2011 23:00	0.638	10.46	0.23
20/05/2011 00:00	0.66	10.46	0.23
20/05/2011 01:00	0.676	10.44	0.23
20/05/2011 02:00	0.686	10.45	0.23
20/05/2011 03:00	0.683	10.44	0.23
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20/05/2011 06:00	0.611	10.43	0.23
20/05/2011 07:00	0.58	10.44	0.23
20/05/2011 08:00	0.561	10.47	0.23
20/05/2011 09:00	0.563	10.45	0.23
20/05/2011 10:00	0.58	10.44	0.23
20/05/2011 11:00	0.599	10.46	0.23
20/05/2011 12:00	0.622	10.46	0.23
20/05/2011 13:00	0.644	10.46	0.23
20/05/2011 14:00	0.651	10.47	0.23
20/05/2011 15:00	0.652	10.46	0.23
20/05/2011 16:00	0.638	10.44	0.23
20/05/2011 17:00	0.619	10.43	0.23

20/05/2011 18:00	0.591	10.44	0.23
20/05/2011 19:00	0.567	10.42	0.23
20/05/2011 20:00	0.557	10.45	0.23
20/05/2011 21:00	0.562	10.46	0.23
20/05/2011 22:00	0.578	10.47	0.23
20/05/2011 23:00	0.597	10.46	0.23
21/05/2011 00:00	0.622	10.47	0.23
21/05/2011 01:00	0.648	10.47	0.23
21/05/2011 02:00	0.666	10.46	0.23
21/05/2011 03:00	0.679	10.48	0.23
21/05/2011 04:00	0.676	10.44	0.23
21/05/2011 05:00	0.655	10.44	0.23
21/05/2011 06:00	0.632	10.45	0.23
21/05/2011 07:00	0.601	10.44	0.23
21/05/2011 08:00	0.575	10.42	0.23
21/05/2011 09:00	0.569	10.44	0.23
21/05/2011 10:00	0.584	10.46	0.23
21/05/2011 11:00	0.601	10.45	0.23
21/05/2011 12:00	0.619	10.46	0.23
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21/05/2011 14:00	0.653	10.45	0.23
21/05/2011 15:00	0.659	10.43	0.23
21/05/2011 16:00	0.655	10.44	0.23
21/05/2011 17:00	0.638	10.43	0.23
21/05/2011 18:00	0.611	10.43	0.23
21/05/2011 19:00	0.595	10.43	0.23
21/05/2011 20:00	0.572	10.42	0.23
21/05/2011 21:00	0.561	10.43	0.23
21/05/2011 22:00	0.562	10.45	0.23
21/05/2011 23:00	0.576	10.45	0.23
22/05/2011 00:00	0.593	10.45	0.23
22/05/2011 01:00	0.615	10.44	0.23
22/05/2011 02:00	0.635	10.44	0.23
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22/05/2011 08:00	0.58	10.43	0.23
22/05/2011 09:00	0.56	10.44	0.23
22/05/2011 10:00	0.553	10.43	0.23
22/05/2011 11:00	0.568	10.46	0.23
22/05/2011 12:00	0.587	10.45	0.23
22/05/2011 13:00	0.605	10.43	0.23
22/05/2011 14:00	0.621	10.42	0.23
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22/05/2011 17:00	0.627	10.43	0.23
22/05/2011 18:00	0.606	10.43	0.23
22/05/2011 19:00	0.594	10.43	0.23
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23/05/2011 02:00	0.618	10.49	0.24
23/05/2011 03:00	0.644	10.48	0.24
23/05/2011 04:00	0.659	10.46	0.24

23/05/2011 05:00	0.664	10.47	0.24
23/05/2011 06:00	0.656	10.48	0.24
23/05/2011 07:00	0.635	10.47	0.24
23/05/2011 08:00	0.606	10.45	0.24
23/05/2011 09:00	0.589	10.46	0.24
23/05/2011 10:00	0.579	10.45	0.24
23/05/2011 11:00	0.58	10.48	0.24
23/05/2011 12:00	0.593	10.49	0.24
23/05/2011 13:00	0.603	10.47	0.24
23/05/2011 14:00	0.611	10.49	0.24
23/05/2011 15:00	0.621	10.49	0.24
23/05/2011 16:00	0.626	10.46	0.24
23/05/2011 17:00	0.618	10.48	0.24
23/05/2011 18:00	0.601	10.5	0.24
23/05/2011 19:00	0.582	10.47	0.24
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24/05/2011 05:00	0.599	10.46	0.24
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24/05/2011 08:00	0.587	10.47	0.23
24/05/2011 09:00	0.578	10.47	0.23
24/05/2011 10:00	0.58	10.48	0.23
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24/05/2011 12:00	0.61	10.48	0.23
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24/05/2011 21:00	0.64	10.47	0.23
24/05/2011 22:00	0.615	10.48	0.23
24/05/2011 23:00	0.594	10.47	0.23
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25/05/2011 01:00	0.579	10.46	0.23
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25/05/2011 11:00	0.584	10.47	0.23
25/05/2011 12:00	0.578	10.47	0.23
25/05/2011 13:00	0.577	10.47	0.23
25/05/2011 14:00	0.585	10.49	0.23
25/05/2011 15:00	0.595	10.47	0.23

25/05/2011 16:00	0.615	10.47	0.23
25/05/2011 17:00	0.623	10.5	0.23
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25/05/2011 19:00	0.64	10.49	0.23
25/05/2011 20:00	0.633	10.46	0.23
25/05/2011 21:00	0.612	10.49	0.23
25/05/2011 22:00	0.592	10.49	0.23
25/05/2011 23:00	0.567	10.48	0.23
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26/05/2011 03:00	0.556	10.48	0.23
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26/05/2011 08:00	0.633	10.47	0.23
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26/05/2011 23:00	0.611	10.48	0.23
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27/05/2011 03:00	0.572	10.49	0.23
27/05/2011 04:00	0.588	10.48	0.23
27/05/2011 05:00	0.604	10.48	0.23
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27/05/2011 15:00	0.586	10.46	0.23
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27/05/2011 17:00	0.608	10.48	0.23
27/05/2011 18:00	0.621	10.48	0.23
27/05/2011 19:00	0.63	10.47	0.23
27/05/2011 20:00	0.64	10.5	0.23
27/05/2011 21:00	0.641	10.47	0.23
27/05/2011 22:00	0.631	10.47	0.23
27/05/2011 23:00	0.615	10.5	0.23
28/05/2011 00:00	0.592	10.46	0.23
28/05/2011 01:00	0.573	10.47	0.23
28/05/2011 02:00	0.553	10.47	0.23

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28/05/2011 22:00	0.649	10.49	0.23
28/05/2011 23:00	0.643	10.47	0.23
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30/05/2011 13:00	0.625	10.47	0.23

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30/05/2011 23:00	0.656	10.45	0.23
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31/05/2011 21:00	0.617	10.44	0.23
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31/05/2011 23:00	0.649	10.45	0.23
01/06/2011 00:00	0.656	10.45	0.23
01/06/2011 01:00	0.645	10.4	0.23
01/06/2011 02:00	0.625	10.43	0.23
01/06/2011 03:00	0.603	10.42	0.23
01/06/2011 04:00	0.578	10.41	0.23
01/06/2011 05:00	0.559	10.41	0.23
01/06/2011 06:00	0.549	10.42	0.23
01/06/2011 07:00	0.546	10.42	0.23
01/06/2011 08:00	0.562	10.44	0.23
01/06/2011 09:00	0.576	10.46	0.23
01/06/2011 10:00	0.599	10.43	0.23
01/06/2011 11:00	0.618	10.45	0.23
01/06/2011 12:00	0.629	10.44	0.23
01/06/2011 13:00	0.63	10.44	0.23
01/06/2011 14:00	0.616	10.42	0.23
01/06/2011 15:00	0.591	10.44	0.23
01/06/2011 16:00	0.571	10.43	0.23
01/06/2011 17:00	0.546	10.45	0.23
01/06/2011 18:00	0.528	10.43	0.23
01/06/2011 19:00	0.542	10.44	0.23
01/06/2011 20:00	0.558	10.43	0.23
01/06/2011 21:00	0.575	10.42	0.23
01/06/2011 22:00	0.597	10.45	0.23
01/06/2011 23:00	0.616	10.45	0.23
02/06/2011 00:00	0.636	10.45	0.23

02/06/2011 01:00	0.644	10.45	0.23
02/06/2011 02:00	0.636	10.44	0.23
02/06/2011 03:00	0.611	10.43	0.23
02/06/2011 04:00	0.594	10.41	0.23
02/06/2011 05:00	0.574	10.41	0.23
02/06/2011 06:00	0.558	10.42	0.23
02/06/2011 07:00	0.56	10.41	0.23
02/06/2011 08:00	0.565	10.44	0.23
02/06/2011 09:00	0.582	10.44	0.23
02/06/2011 10:00	0.604	10.44	0.23
02/06/2011 11:00	0.623	10.44	0.23
02/06/2011 12:00	0.638	10.45	0.23
02/06/2011 13:00	0.645	10.41	0.23
02/06/2011 14:00	0.633	10.43	0.23
02/06/2011 15:00	0.614	10.42	0.23
02/06/2011 16:00	0.588	10.4	0.23
02/06/2011 17:00	0.565	10.42	0.23
02/06/2011 18:00	0.548	10.4	0.23
02/06/2011 19:00	0.548	10.41	0.23
02/06/2011 20:00	0.56	10.43	0.23
02/06/2011 21:00	0.578	10.43	0.23
02/06/2011 22:00	0.598	10.43	0.23
02/06/2011 23:00	0.619	10.43	0.23
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03/06/2011 01:00	0.647	10.4	0.23
03/06/2011 02:00	0.651	10.4	0.23
03/06/2011 03:00	0.634	10.41	0.23
03/06/2011 04:00	0.612	10.44	0.23
03/06/2011 05:00	0.587	10.43	0.23
03/06/2011 06:00	0.561	10.44	0.23
03/06/2011 07:00	0.552	10.44	0.23
03/06/2011 08:00	0.562	10.45	0.23
03/06/2011 09:00	0.581	10.43	0.23
03/06/2011 10:00	0.594	10.43	0.23
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03/06/2011 12:00	0.626	10.43	0.23
03/06/2011 13:00	0.632	10.44	0.23
03/06/2011 14:00	0.632	10.44	0.23
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03/06/2011 16:00	0.598	10.44	0.23
03/06/2011 17:00	0.57	10.43	0.23
03/06/2011 18:00	0.548	10.43	0.23
03/06/2011 19:00	0.537	10.42	0.23
03/06/2011 20:00	0.54	10.45	0.23
03/06/2011 21:00	0.555	10.43	0.23
03/06/2011 22:00	0.572	10.44	0.23
03/06/2011 23:00	0.595	10.43	0.23
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04/06/2011 06:00	0.574	10.44	0.23
04/06/2011 07:00	0.552	10.44	0.23
04/06/2011 08:00	0.554	10.44	0.23
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04/06/2011 10:00	0.578	10.46	0.23
04/06/2011 11:00	0.604	10.47	0.23

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04/06/2011 22:00	0.584	10.45	0.23
04/06/2011 23:00	0.606	10.47	0.23
05/06/2011 00:00	0.623	10.48	0.23
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05/06/2011 06:00	0.606	10.45	0.23
05/06/2011 07:00	0.581	10.44	0.23
05/06/2011 08:00	0.564	10.44	0.23
05/06/2011 09:00	0.569	10.45	0.23
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05/06/2011 14:00	0.653	10.45	0.23
05/06/2011 15:00	0.653	10.45	0.23
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06/06/2011 06:00	0.625	10.44	0.23
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06/06/2011 22:00	0.563	10.43	0.23

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09/06/2011 04:00	0.61	10.38	0.23
09/06/2011 05:00	0.634	10.38	0.23
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09/06/2011 09:00	0.585	10.4	0.23

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09/06/2011 20:00	0.619	10.38	0.23
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09/06/2011 22:00	0.573	10.39	0.23
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10/06/2011 16:00	0.597	10.43	0.23
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16/06/2011 12:00	0.659	10.42	0.24
16/06/2011 13:00	0.673	10.41	0.24
16/06/2011 14:00	0.664	10.42	0.24
16/06/2011 15:00	0.643	10.4	0.24
16/06/2011 16:00	0.613	10.39	0.24
16/06/2011 17:00	0.586	10.41	0.24
16/06/2011 18:00	0.553	10.4	0.24

16/06/2011 19:00	0.557	10.42	0.24
16/06/2011 20:00	0.576	10.42	0.24
16/06/2011 21:00	0.595	10.41	0.24
16/06/2011 22:00	0.613	10.41	0.24
16/06/2011 23:00	0.641	10.41	0.24
17/06/2011 00:00	0.662	10.42	0.24
17/06/2011 01:00	0.679	10.4	0.24
17/06/2011 02:00	0.673	10.4	0.24
17/06/2011 03:00	0.652	10.38	0.24
17/06/2011 04:00	0.626	10.38	0.24
17/06/2011 05:00	0.603	10.4	0.24
17/06/2011 06:00	0.58	10.38	0.24
17/06/2011 07:00	0.568	10.41	0.24
17/06/2011 08:00	0.57	10.41	0.24
17/06/2011 09:00	0.589	10.4	0.24
17/06/2011 10:00	0.611	10.41	0.24
17/06/2011 11:00	0.641	10.41	0.24
17/06/2011 12:00	0.658	10.39	0.24
17/06/2011 13:00	0.664	10.41	0.24
17/06/2011 14:00	0.667	10.39	0.24
17/06/2011 15:00	0.656	10.4	0.24
17/06/2011 16:00	0.635	10.41	0.24
17/06/2011 17:00	0.608	10.39	0.24
17/06/2011 18:00	0.582	10.39	0.24
17/06/2011 19:00	0.561	10.4	0.24
17/06/2011 20:00	0.561	10.4	0.24
17/06/2011 21:00	0.578	10.39	0.24
17/06/2011 22:00	0.598	10.42	0.24
17/06/2011 23:00	0.63	10.39	0.24
18/06/2011 00:00	0.655	10.41	0.24
18/06/2011 01:00	0.675	10.41	0.24
18/06/2011 02:00	0.689	10.41	0.24
18/06/2011 03:00	0.685	10.4	0.24
18/06/2011 04:00	0.661	10.39	0.24
18/06/2011 05:00	0.638	10.4	0.24
18/06/2011 06:00	0.615	10.4	0.24
18/06/2011 07:00	0.596	10.39	0.24
18/06/2011 08:00	0.593	10.39	0.24
18/06/2011 09:00	0.603	10.41	0.24
18/06/2011 10:00	0.617	10.42	0.24
18/06/2011 11:00	0.639	10.39	0.24
18/06/2011 12:00	0.667	10.4	0.24
18/06/2011 13:00	0.692	10.39	0.24
18/06/2011 14:00	0.693	10.39	0.24
18/06/2011 15:00	0.684	10.39	0.24
18/06/2011 16:00	0.665	10.39	0.24
18/06/2011 17:00	0.634	10.39	0.24
18/06/2011 18:00	0.618	10.39	0.24
18/06/2011 19:00	0.593	10.38	0.24
18/06/2011 20:00	0.581	10.4	0.24
18/06/2011 21:00	0.59	10.41	0.24
18/06/2011 22:00	0.605	10.39	0.24
18/06/2011 23:00	0.627	10.41	0.24
19/06/2011 00:00	0.647	10.39	0.24
19/06/2011 01:00	0.675	10.39	0.24
19/06/2011 02:00	0.694	10.4	0.24
19/06/2011 03:00	0.703	10.38	0.24
19/06/2011 04:00	0.689	10.4	0.24
19/06/2011 05:00	0.674	10.4	0.24

19/06/2011 06:00	0.655	10.39	0.24
19/06/2011 07:00	0.629	10.41	0.24
19/06/2011 08:00	0.617	10.4	0.24
19/06/2011 09:00	0.619	10.4	0.24
19/06/2011 10:00	0.631	10.4	0.24
19/06/2011 11:00	0.649	10.42	0.24
19/06/2011 12:00	0.671	10.39	0.24
19/06/2011 13:00	0.692	10.41	0.24
19/06/2011 14:00	0.706	10.4	0.24
19/06/2011 15:00	0.71	10.42	0.24
19/06/2011 16:00	0.692	10.4	0.24
19/06/2011 17:00	0.677	10.39	0.24
19/06/2011 18:00	0.646	10.41	0.24
19/06/2011 19:00	0.622	10.41	0.24
19/06/2011 20:00	0.597	10.39	0.24
19/06/2011 21:00	0.586	10.4	0.24
19/06/2011 22:00	0.598	10.39	0.24
19/06/2011 23:00	0.611	10.39	0.24
20/06/2011 00:00	0.629	10.39	0.24
20/06/2011 01:00	0.654	10.38	0.24
20/06/2011 02:00	0.674	10.39	0.24
20/06/2011 03:00	0.689	10.4	0.24
20/06/2011 04:00	0.695	10.41	0.24
20/06/2011 05:00	0.678	10.42	0.24
20/06/2011 06:00	0.655	10.4	0.24
20/06/2011 07:00	0.624	10.4	0.24
20/06/2011 08:00	0.6	10.4	0.24
20/06/2011 09:00	0.591	10.39	0.24
20/06/2011 10:00	0.604	10.39	0.24
20/06/2011 11:00	0.621	10.4	0.24
20/06/2011 12:00	0.643	10.4	0.24
20/06/2011 13:00	0.667	10.39	0.24
20/06/2011 14:00	0.686	10.41	0.24
20/06/2011 15:00	0.69	10.4	0.24
20/06/2011 16:00	0.691	10.4	0.24
20/06/2011 17:00	0.683	10.41	0.24
20/06/2011 18:00	0.657	10.4	0.24
20/06/2011 19:00	0.636	10.4	0.24
20/06/2011 20:00	0.613	10.41	0.24
20/06/2011 21:00	0.594	10.41	0.24
20/06/2011 22:00	0.585	10.39	0.24
20/06/2011 23:00	0.592	10.39	0.24
21/06/2011 00:00	0.604	10.39	0.24
21/06/2011 01:00	0.625	10.39	0.24
21/06/2011 02:00	0.648	10.41	0.24
21/06/2011 03:00	0.676	10.41	0.24
21/06/2011 04:00	0.687	10.4	0.24
21/06/2011 05:00	0.684	10.41	0.24
21/06/2011 06:00	0.67	10.4	0.24
21/06/2011 07:00	0.647	10.39	0.24
21/06/2011 08:00	0.621	10.39	0.24
21/06/2011 09:00	0.604	10.41	0.24
21/06/2011 10:00	0.595	10.4	0.24
21/06/2011 11:00	0.608	10.42	0.24
21/06/2011 12:00	0.623	10.4	0.24
21/06/2011 13:00	0.648	10.4	0.24
21/06/2011 14:00	0.669	10.4	0.24
21/06/2011 15:00	0.689	10.41	0.24
21/06/2011 16:00	0.69	10.4	0.24

21/06/2011 17:00	0.684	10.39	0.24
21/06/2011 18:00	0.668	10.38	0.24
21/06/2011 19:00	0.648	10.4	0.24
21/06/2011 20:00	0.627	10.38	0.24
21/06/2011 21:00	0.605	10.4	0.24
21/06/2011 22:00	0.591	10.38	0.24
21/06/2011 23:00	0.589	10.39	0.24
22/06/2011 00:00	0.596	10.38	0.24
22/06/2011 01:00	0.613	10.37	0.24
22/06/2011 02:00	0.633	10.38	0.24
22/06/2011 03:00	0.653	10.38	0.24
22/06/2011 04:00	0.671	10.39	0.24
22/06/2011 05:00	0.683	10.38	0.24
22/06/2011 06:00	0.677	10.39	0.24
22/06/2011 07:00	0.656	10.38	0.24
22/06/2011 08:00	0.629	10.39	0.24
22/06/2011 09:00	0.61	10.38	0.24
22/06/2011 10:00	0.599	10.38	0.24
22/06/2011 11:00	0.605	10.38	0.24
22/06/2011 12:00	0.621	10.39	0.24
22/06/2011 13:00	0.639	10.4	0.24
22/06/2011 14:00	0.652	10.39	0.24
22/06/2011 15:00	0.677	10.39	0.24
22/06/2011 16:00	0.692	10.39	0.24
22/06/2011 17:00	0.691	10.4	0.24
22/06/2011 18:00	0.675	10.4	0.24
22/06/2011 19:00	0.665	10.41	0.24
22/06/2011 20:00	0.644	10.39	0.24
22/06/2011 21:00	0.624	10.4	0.24
22/06/2011 22:00	0.609	10.4	0.24
22/06/2011 23:00	0.601	10.4	0.24
23/06/2011 00:00	0.6	10.38	0.24
23/06/2011 01:00	0.61	10.38	0.24
23/06/2011 02:00	0.631	10.38	0.24
23/06/2011 03:00	0.649	10.4	0.24
23/06/2011 04:00	0.67	10.39	0.24
23/06/2011 05:00	0.687	10.41	0.24
23/06/2011 06:00	0.688	10.39	0.24
23/06/2011 07:00	0.676	10.4	0.24
23/06/2011 08:00	0.658	10.41	0.24
23/06/2011 09:00	0.644	10.41	0.24
23/06/2011 10:00	0.621	10.42	0.24
23/06/2011 11:00	0.614	10.41	0.24
23/06/2011 12:00	0.624	10.41	0.24
23/06/2011 13:00	0.634	10.42	0.24
23/06/2011 14:00	0.659	10.4	0.24
23/06/2011 15:00	0.673	10.44	0.24
23/06/2011 16:00	0.683	10.44	0.24
23/06/2011 17:00	0.691	10.43	0.24
23/06/2011 18:00	0.692	10.43	0.24
23/06/2011 19:00	0.687	10.42	0.24
23/06/2011 20:00	0.671	10.42	0.24
23/06/2011 21:00	0.656	10.41	0.24
23/06/2011 22:00	0.634	10.41	0.24
23/06/2011 23:00	0.618	10.42	0.24
24/06/2011 00:00	0.61	10.42	0.24
24/06/2011 01:00	0.606	10.42	0.24
24/06/2011 02:00	0.618	10.43	0.24
24/06/2011 03:00	0.626	10.43	0.24

24/06/2011 04:00	0.645	10.42	0.24
24/06/2011 05:00	0.666	10.41	0.24
24/06/2011 06:00	0.679	10.41	0.24
24/06/2011 07:00	0.682	10.41	0.24
24/06/2011 08:00	0.669	10.4	0.24
24/06/2011 09:00	0.647	10.41	0.24
24/06/2011 10:00	0.629	10.4	0.24
24/06/2011 11:00	0.619	10.4	0.24
24/06/2011 12:00	0.614	10.41	0.24
24/06/2011 13:00	0.62	10.39	0.24
24/06/2011 14:00	0.632	10.39	0.24
24/06/2011 15:00	0.642	10.4	0.24
24/06/2011 16:00	0.657	10.39	0.24
24/06/2011 17:00	0.681	10.39	0.24
24/06/2011 18:00	0.692	10.39	0.24
24/06/2011 19:00	0.694	10.4	0.24
24/06/2011 20:00	0.688	10.41	0.24
24/06/2011 21:00	0.669	10.42	0.24
24/06/2011 22:00	0.651	10.42	0.24
24/06/2011 23:00	0.629	10.39	0.24
25/06/2011 00:00	0.611	10.4	0.24
25/06/2011 01:00	0.603	10.41	0.24
25/06/2011 02:00	0.603	10.42	0.24
25/06/2011 03:00	0.614	10.42	0.24
25/06/2011 04:00	0.622	10.43	0.24
25/06/2011 05:00	0.643	10.43	0.24
25/06/2011 06:00	0.658	10.44	0.24
25/06/2011 07:00	0.675	10.43	0.24
25/06/2011 08:00	0.677	10.41	0.24
25/06/2011 09:00	0.666	10.42	0.24
25/06/2011 10:00	0.65	10.42	0.24
25/06/2011 11:00	0.632	10.42	0.24
25/06/2011 12:00	0.611	10.42	0.24
25/06/2011 13:00	0.602	10.42	0.24
25/06/2011 14:00	0.6	10.42	0.24
25/06/2011 15:00	0.606	10.42	0.24
25/06/2011 16:00	0.623	10.41	0.24
25/06/2011 17:00	0.638	10.43	0.24
25/06/2011 18:00	0.656	10.43	0.24
25/06/2011 19:00	0.667	10.42	0.24
25/06/2011 20:00	0.676	10.41	0.24
25/06/2011 21:00	0.663	10.41	0.24
25/06/2011 22:00	0.649	10.44	0.24
25/06/2011 23:00	0.632	10.43	0.24
26/06/2011 00:00	0.621	10.41	0.24
26/06/2011 01:00	0.605	10.41	0.24
26/06/2011 02:00	0.598	10.42	0.24
26/06/2011 03:00	0.6	10.42	0.24
26/06/2011 04:00	0.615	10.43	0.24
26/06/2011 05:00	0.632	10.41	0.24
26/06/2011 06:00	0.649	10.42	0.24
26/06/2011 07:00	0.661	10.41	0.24
26/06/2011 08:00	0.666	10.42	0.24
26/06/2011 09:00	0.671	10.41	0.24
26/06/2011 10:00	0.666	10.42	0.24
26/06/2011 11:00	0.654	10.41	0.24
26/06/2011 12:00	0.639	10.41	0.24
26/06/2011 13:00	0.628	10.41	0.24
26/06/2011 14:00	0.613	10.44	0.24

26/06/2011 15:00	0.611	10.42	0.24
26/06/2011 16:00	0.622	10.44	0.24
26/06/2011 17:00	0.641	10.41	0.24
26/06/2011 18:00	0.661	10.44	0.24
26/06/2011 19:00	0.675	10.46	0.24
26/06/2011 20:00	0.684	10.43	0.24
26/06/2011 21:00	0.683	10.44	0.24
26/06/2011 22:00	0.677	10.43	0.24
26/06/2011 23:00	0.661	10.43	0.24
27/06/2011 00:00	0.647	10.43	0.24
27/06/2011 01:00	0.626	10.43	0.24
27/06/2011 02:00	0.612	10.43	0.24
27/06/2011 03:00	0.606	10.43	0.24
27/06/2011 04:00	0.601	10.46	0.24
27/06/2011 05:00	0.613	10.42	0.24
27/06/2011 06:00	0.628	10.42	0.24
27/06/2011 07:00	0.639	10.42	0.24
27/06/2011 08:00	0.65	10.42	0.24
27/06/2011 09:00	0.666	10.42	0.24
27/06/2011 10:00	0.671	10.42	0.24
27/06/2011 11:00	0.664	10.42	0.24
27/06/2011 12:00	0.65	10.42	0.24
27/06/2011 13:00	0.638	10.42	0.24
27/06/2011 14:00	0.62	10.43	0.24
27/06/2011 15:00	0.608	10.45	0.24
27/06/2011 16:00	0.61	10.42	0.24
27/06/2011 17:00	0.616	10.44	0.24
27/06/2011 18:00	0.635	10.43	0.24
27/06/2011 19:00	0.655	10.44	0.24
27/06/2011 20:00	0.675	10.43	0.24
27/06/2011 21:00	0.688	10.43	0.24
27/06/2011 22:00	0.693	10.41	0.24
27/06/2011 23:00	0.688	10.42	0.24
28/06/2011 00:00	0.676	10.44	0.24
28/06/2011 01:00	0.662	10.43	0.24
28/06/2011 02:00	0.643	10.42	0.24
28/06/2011 03:00	0.627	10.41	0.24
28/06/2011 04:00	0.618	10.43	0.24
28/06/2011 05:00	0.622	10.42	0.24
28/06/2011 06:00	0.633	10.42	0.24
28/06/2011 07:00	0.646	10.42	0.24
28/06/2011 08:00	0.66	10.43	0.24
28/06/2011 09:00	0.672	10.42	0.24
28/06/2011 10:00	0.686	10.42	0.24
28/06/2011 11:00	0.688	10.43	0.24
28/06/2011 12:00	0.68	10.41	0.24
28/06/2011 13:00	0.657	10.41	0.24
28/06/2011 14:00	0.643	10.42	0.24
28/06/2011 15:00	0.625	10.41	0.24

END OF DATA FILE OF DATALOGGER FOR WINDOWS

17_K4999_110715104121.CSV

Data file for DataLogger.

=====

COMPANY : <Company name>

COMP.STATUS: Done

DATE : 15/07/2011

TIME : 10:41:44

FILENAME : C:\Documents and Settings\All Users\Application Data\DiverOffice\Sizewell\CSV\pz2009_18_

CREATED BY : SWS Diver-Office 4.0.76.0

===== BEGINNING OF DATA =====

[Logger settings]

Instrument type =CTD-Diver=17

Status =Started =0

Serial number =.00-K4976 317.

Instrument number =
=0

Location =pz2009_18

Sample period =M60

Sample method =T

Number of channels =3

[Channel 1]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm

Range =120.00 mS/cm

[Series settings]

Serial number =.00-K4976 317.

Instrument number =

Location =pz2009_18

Sample period =00 00:60:00 0

Sample method =T

Start date / time =00:00:06 09/04/11

End date / time =00:00:16 27/06/11

[Channel 1 from data header]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2 from data header]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3 from data header]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm
Range =120.00 mS/cm

[Data]

Date/time	1907 Water head[m]	Temperature[°C]	1:Conductivity[mS/cm]
09/04/2011 06:00	0.616	10.12	3.16
09/04/2011 07:00	0.57	10.16	3.16
09/04/2011 08:00	0.52	10.2	3.16
09/04/2011 09:00	0.487	10.17	3.16
09/04/2011 10:00	0.489	10.18	3.16
09/04/2011 11:00	0.512	10.19	3.16
09/04/2011 12:00	0.539	10.22	3.16
09/04/2011 13:00	0.574	10.18	3.16
09/04/2011 14:00	0.611	10.13	3.15
09/04/2011 15:00	0.636	10.14	3.16
09/04/2011 16:00	0.645	10.13	3.16
09/04/2011 17:00	0.636	10.09	3.15
09/04/2011 18:00	0.602	10.09	3.15
09/04/2011 19:00	0.558	10.08	3.15
09/04/2011 20:00	0.51	10.2	3.16
09/04/2011 21:00	0.475	10.22	3.16
09/04/2011 22:00	0.464	10.17	3.16
09/04/2011 23:00	0.487	10.23	3.17
10/04/2011 00:00	0.511	10.25	3.17
10/04/2011 01:00	0.547	10.13	3.16
10/04/2011 02:00	0.588	10.19	3.16
10/04/2011 03:00	0.621	10.16	3.16
10/04/2011 04:00	0.645	10.14	3.16
10/04/2011 05:00	0.647	10.15	3.16
10/04/2011 06:00	0.617	10.13	3.16
10/04/2011 07:00	0.571	10.16	3.16
10/04/2011 08:00	0.528	10.15	3.16
10/04/2011 09:00	0.487	10.19	3.17
10/04/2011 10:00	0.47	10.22	3.17
10/04/2011 11:00	0.478	10.21	3.17
10/04/2011 12:00	0.502	10.29	3.17
10/04/2011 13:00	0.533	10.22	3.16
10/04/2011 14:00	0.566	10.19	3.16
10/04/2011 15:00	0.602	10.16	3.16
10/04/2011 16:00	0.627	10.18	3.16
10/04/2011 17:00	0.638	10.12	3.16
10/04/2011 18:00	0.622	10.1	3.16
10/04/2011 19:00	0.583	10.1	3.16
10/04/2011 20:00	0.544	10.1	3.16
10/04/2011 21:00	0.502	10.23	3.17
10/04/2011 22:00	0.471	10.28	3.16
10/04/2011 23:00	0.464	10.24	3.16
11/04/2011 00:00	0.481	10.24	3.16
11/04/2011 01:00	0.506	10.32	3.16
11/04/2011 02:00	0.537	10.17	3.15
11/04/2011 03:00	0.576	10.2	3.16
11/04/2011 04:00	0.609	10.14	3.15
11/04/2011 05:00	0.635	10.17	3.16
11/04/2011 06:00	0.632	10.1	3.15
11/04/2011 07:00	0.605	10.05	3.14
11/04/2011 08:00	0.565	10.13	3.15
11/04/2011 09:00	0.529	10.09	3.15

11/04/2011 10:00	0.496	10.22	3.16
11/04/2011 11:00	0.488	10.26	3.16
11/04/2011 12:00	0.496	10.24	3.15
11/04/2011 13:00	0.517	10.18	3.14
11/04/2011 14:00	0.546	10.2	3.15
11/04/2011 15:00	0.583	10.12	3.14
11/04/2011 16:00	0.618	10.17	3.15
11/04/2011 17:00	0.645	10.15	3.15
11/04/2011 18:00	0.646	10.13	3.15
11/04/2011 19:00	0.627	10.13	3.15
11/04/2011 20:00	0.593	10.14	3.15
11/04/2011 21:00	0.555	10.11	3.15
11/04/2011 22:00	0.52	10.1	3.14
11/04/2011 23:00	0.493	10.15	3.13
12/04/2011 00:00	0.491	10.24	3.13
12/04/2011 01:00	0.5	10.23	3.13
12/04/2011 02:00	0.524	10.16	3.12
12/04/2011 03:00	0.56	10.17	3.12
12/04/2011 04:00	0.602	10.16	3.12
12/04/2011 05:00	0.637	10.14	3.13
12/04/2011 06:00	0.666	10.16	3.13
12/04/2011 07:00	0.671	10.13	3.13
12/04/2011 08:00	0.647	10.11	3.13
12/04/2011 09:00	0.618	10.12	3.13
12/04/2011 10:00	0.575	10.13	3.13
12/04/2011 11:00	0.552	10.14	3.13
12/04/2011 12:00	0.537	10.13	3.13
12/04/2011 13:00	0.537	10.26	3.12
12/04/2011 14:00	0.547	10.18	3.12
12/04/2011 15:00	0.574	10.13	3.12
12/04/2011 16:00	0.604	10.14	3.12
12/04/2011 17:00	0.636	10.18	3.12
12/04/2011 18:00	0.654	10.14	3.12
12/04/2011 19:00	0.661	10.15	3.12
12/04/2011 20:00	0.646	10.15	3.12
12/04/2011 21:00	0.613	10.12	3.12
12/04/2011 22:00	0.569	10.07	3.12
12/04/2011 23:00	0.528	10.19	3.13
13/04/2011 00:00	0.494	10.23	3.12
13/04/2011 01:00	0.475	10.25	3.12
13/04/2011 02:00	0.472	10.14	3.1
13/04/2011 03:00	0.492	10.29	3.11
13/04/2011 04:00	0.523	10.21	3.11
13/04/2011 05:00	0.559	10.19	3.11
13/04/2011 06:00	0.594	10.16	3.11
13/04/2011 07:00	0.624	10.17	3.11
13/04/2011 08:00	0.631	10.14	3.11
13/04/2011 09:00	0.615	10.14	3.11
13/04/2011 10:00	0.59	10.16	3.11
13/04/2011 11:00	0.557	10.13	3.11
13/04/2011 12:00	0.523	10.13	3.11
13/04/2011 13:00	0.504	10.16	3.12
13/04/2011 14:00	0.493	10.24	3.12
13/04/2011 15:00	0.537	10.15	3.12
13/04/2011 16:00	0.558	10.24	3.13
13/04/2011 17:00	0.589	10.08	3.12
13/04/2011 18:00	0.627	10.09	3.12
13/04/2011 19:00	0.654	10.1	3.12
13/04/2011 20:00	0.667	10.12	3.12

13/04/2011 21:00	0.663	10.05	3.11
13/04/2011 22:00	0.638	10.11	3.12
13/04/2011 23:00	0.598	10.05	3.11
14/04/2011 00:00	0.558	10.14	3.12
14/04/2011 01:00	0.522	10.22	3.12
14/04/2011 02:00	0.499	10.21	3.11
14/04/2011 03:00	0.502	10.24	3.12
14/04/2011 04:00	0.522	10.16	3.11
14/04/2011 05:00	0.558	10.13	3.1
14/04/2011 06:00	0.6	10.16	3.11
14/04/2011 07:00	0.642	10.13	3.11
14/04/2011 08:00	0.679	10.13	3.11
14/04/2011 09:00	0.696	10.09	3.1
14/04/2011 10:00	0.689	10.11	3.11
14/04/2011 11:00	0.665	10.11	3.11
14/04/2011 12:00	0.631	10.07	3.1
14/04/2011 13:00	0.59	10.09	3.11
14/04/2011 14:00	0.559	10.12	3.11
14/04/2011 15:00	0.545	10.23	3.12
14/04/2011 16:00	0.551	10.2	3.11
14/04/2011 17:00	0.583	10.06	3.1
14/04/2011 18:00	0.619	10.02	3.1
14/04/2011 19:00	0.653	10	3.1
14/04/2011 20:00	0.677	9.99	3.1
14/04/2011 21:00	0.69	10.01	3.1
14/04/2011 22:00	0.688	10.01	3.1
14/04/2011 23:00	0.659	10.05	3.1
15/04/2011 00:00	0.619	9.99	3.1
15/04/2011 01:00	0.574	9.94	3.1
15/04/2011 02:00	0.524	10.05	3.1
15/04/2011 03:00	0.495	10.03	3.1
15/04/2011 04:00	0.489	10.05	3.1
15/04/2011 05:00	0.51	10.15	3.1
15/04/2011 06:00	0.548	10.15	3.1
15/04/2011 07:00	0.586	10.12	3.1
15/04/2011 08:00	0.629	10.1	3.1
15/04/2011 09:00	0.663	10.06	3.1
15/04/2011 10:00	0.679	10.09	3.1
15/04/2011 11:00	0.676	10.01	3.1
15/04/2011 12:00	0.64	10.01	3.1
15/04/2011 13:00	0.598	9.96	3.09
15/04/2011 14:00	0.553	10.01	3.1
15/04/2011 15:00	0.511	10	3.1
15/04/2011 16:00	0.494	10.05	3.1
15/04/2011 17:00	0.512	10.06	3.1
15/04/2011 18:00	0.547	10.05	3.1
15/04/2011 19:00	0.587	10.01	3.1
15/04/2011 20:00	0.627	10.03	3.1
15/04/2011 21:00	0.66	10	3.1
15/04/2011 22:00	0.676	10.04	3.1
15/04/2011 23:00	0.674	10	3.1
16/04/2011 00:00	0.65	9.99	3.1
16/04/2011 01:00	0.598	9.98	3.1
16/04/2011 02:00	0.546	9.98	3.1
16/04/2011 03:00	0.496	10.07	3.11
16/04/2011 04:00	0.462	10.1	3.11
16/04/2011 05:00	0.47	10.01	3.1
16/04/2011 06:00	0.504	10.12	3.12
16/04/2011 07:00	0.547	10.11	3.12

16/04/2011 08:00	0.588	10	3.11
16/04/2011 09:00	0.64	10.05	3.11
16/04/2011 10:00	0.671	10	3.11
16/04/2011 11:00	0.69	10.04	3.11
16/04/2011 12:00	0.686	9.99	3.11
16/04/2011 13:00	0.648	10	3.11
16/04/2011 14:00	0.6	10	3.11
16/04/2011 15:00	0.549	10.09	3.12
16/04/2011 16:00	0.511	10.09	3.12
16/04/2011 17:00	0.502	10.03	3.11
16/04/2011 18:00	0.531	10.1	3.12
16/04/2011 19:00	0.577	10.17	3.13
16/04/2011 20:00	0.621	10.01	3.11
16/04/2011 21:00	0.669	10.07	3.12
16/04/2011 22:00	0.699	10.03	3.12
16/04/2011 23:00	0.703	10.05	3.12
17/04/2011 00:00	0.699	9.96	3.11
17/04/2011 01:00	0.659	10.06	3.12
17/04/2011 02:00	0.605	10.03	3.12
17/04/2011 03:00	0.54	10.01	3.11
17/04/2011 04:00	0.486	9.97	3.11
17/04/2011 05:00	0.458	9.98	3.12
17/04/2011 06:00	0.466	10.04	3.12
17/04/2011 07:00	0.509	10.05	3.12
17/04/2011 08:00	0.551	10.04	3.12
17/04/2011 09:00	0.596	10.02	3.12
17/04/2011 10:00	0.645	9.96	3.12
17/04/2011 11:00	0.676	10.01	3.12
17/04/2011 12:00	0.696	10.05	3.12
17/04/2011 13:00	0.677	9.94	3.12
17/04/2011 14:00	0.628	9.98	3.12
17/04/2011 15:00	0.577	9.96	3.12
17/04/2011 16:00	0.521	10.08	3.12
17/04/2011 17:00	0.485	9.98	3.12
17/04/2011 18:00	0.499	10.02	3.12
17/04/2011 19:00	0.54	10.01	3.12
17/04/2011 20:00	0.586	10.06	3.13
17/04/2011 21:00	0.632	10.06	3.13
17/04/2011 22:00	0.678	9.98	3.12
17/04/2011 23:00	0.71	9.97	3.12
18/04/2011 00:00	0.714	9.96	3.12
18/04/2011 01:00	0.702	9.93	3.12
18/04/2011 02:00	0.653	9.96	3.12
18/04/2011 03:00	0.592	10.07	3.13
18/04/2011 04:00	0.528	9.97	3.12
18/04/2011 05:00	0.472	10.07	3.13
18/04/2011 06:00	0.445	10.04	3.13
18/04/2011 07:00	0.47	10.05	3.13
18/04/2011 08:00	0.514	9.98	3.12
18/04/2011 09:00	0.557	10.01	3.13
18/04/2011 10:00	0.604	10.03	3.13
18/04/2011 11:00	0.66	10.06	3.13
18/04/2011 12:00	0.681	9.99	3.12
18/04/2011 13:00	0.696	9.99	3.12
18/04/2011 14:00	0.664	9.96	3.12
18/04/2011 15:00	0.61	10.03	3.13
18/04/2011 16:00	0.556	10.02	3.13
18/04/2011 17:00	0.502	10.03	3.13
18/04/2011 18:00	0.477	10.01	3.13

18/04/2011 19:00	0.5	9.96	3.12
18/04/2011 20:00	0.547	10.01	3.13
18/04/2011 21:00	0.589	9.98	3.13
18/04/2011 22:00	0.644	9.93	3.12
18/04/2011 23:00	0.694	10.07	3.14
19/04/2011 00:00	0.715	10.02	3.13
19/04/2011 01:00	0.719	10.03	3.13
19/04/2011 02:00	0.702	10.03	3.13
19/04/2011 03:00	0.643	10.08	3.14
19/04/2011 04:00	0.577	9.97	3.13
19/04/2011 05:00	0.509	9.95	3.12
19/04/2011 06:00	0.454	9.99	3.13
19/04/2011 07:00	0.438	10.02	3.13
19/04/2011 08:00	0.475	9.97	3.13
19/04/2011 09:00	0.512	9.97	3.13
19/04/2011 10:00	0.561	9.99	3.13
19/04/2011 11:00	0.614	10.03	3.14
19/04/2011 12:00	0.663	10.03	3.13
19/04/2011 13:00	0.684	9.96	3.13
19/04/2011 14:00	-5.818	20.81	0.01
19/04/2011 15:00	0.649	10.24	3.19
19/04/2011 16:00	0.594	10.03	3.14
19/04/2011 17:00	0.548	10.02	3.12
19/04/2011 18:00	0.495	10	3.12
19/04/2011 19:00	0.479	9.97	3.11
19/04/2011 20:00	0.517	9.99	3.11
19/04/2011 21:00	0.563	10.05	3.12
19/04/2011 22:00	0.613	10.02	3.12
19/04/2011 23:00	0.669	10.01	3.11
20/04/2011 00:00	0.715	9.97	3.11
20/04/2011 01:00	0.736	9.95	3.11
20/04/2011 02:00	0.744	9.98	3.12
20/04/2011 03:00	0.713	9.91	3.11
20/04/2011 04:00	0.654	9.96	3.11
20/04/2011 05:00	0.591	9.99	3.11
20/04/2011 06:00	0.53	10.32	3.18
20/04/2011 07:00	0.478	10.14	3.16
20/04/2011 08:00	0.476	10.15	3.15
20/04/2011 09:00	0.507	10.12	3.14
20/04/2011 10:00	0.549	10.15	3.14
20/04/2011 11:00	0.598	10.16	3.14
20/04/2011 12:00	0.661	10.13	3.14
20/04/2011 13:00	0.693	10.16	3.14
20/04/2011 14:00	0.703	10.17	3.14
20/04/2011 15:00	0.69	10.13	3.14
20/04/2011 16:00	0.644	10.08	3.14
20/04/2011 17:00	0.586	10.11	3.14
20/04/2011 18:00	0.528	10.07	3.14
20/04/2011 19:00	0.477	10.08	3.14
20/04/2011 20:00	0.464	10.11	3.14
20/04/2011 21:00	0.503	10.14	3.14
20/04/2011 22:00	0.548	10.12	3.14
20/04/2011 23:00	0.597	10.11	3.14
21/04/2011 00:00	0.654	10.16	3.15
21/04/2011 01:00	0.7	10.12	3.14
21/04/2011 02:00	0.719	10.12	3.14
21/04/2011 03:00	0.725	10.14	3.14
21/04/2011 04:00	0.686	10.09	3.14
21/04/2011 05:00	0.625	10.09	3.14

21/04/2011 06:00	0.568	10.09	3.14
21/04/2011 07:00	0.508	10.22	3.16
21/04/2011 08:00	0.475	10.1	3.15
21/04/2011 09:00	0.49	10.17	3.15
21/04/2011 10:00	0.53	10.13	3.15
21/04/2011 11:00	0.566	10.18	3.15
21/04/2011 12:00	0.618	10.14	3.15
21/04/2011 13:00	0.667	10.11	3.15
21/04/2011 14:00	0.69	10.12	3.15
21/04/2011 15:00	0.701	10.12	3.15
21/04/2011 16:00	0.683	10.11	3.15
21/04/2011 17:00	0.63	10.14	3.15
21/04/2011 18:00	0.58	10.14	3.15
21/04/2011 19:00	0.525	10.1	3.15
21/04/2011 20:00	0.483	10.15	3.15
21/04/2011 21:00	0.484	10.17	3.16
21/04/2011 22:00	0.523	10.14	3.15
21/04/2011 23:00	0.563	10.15	3.16
22/04/2011 00:00	0.613	10.17	3.16
22/04/2011 01:00	0.668	10.13	3.15
22/04/2011 02:00	0.704	10.14	3.15
22/04/2011 03:00	0.727	10.13	3.15
22/04/2011 04:00	0.721	10.11	3.15
22/04/2011 05:00	0.677	10.12	3.15
22/04/2011 06:00	0.628	10.16	3.16
22/04/2011 07:00	0.569	10.1	3.15
22/04/2011 08:00	0.519	10.17	3.16
22/04/2011 09:00	0.495	10.16	3.16
22/04/2011 10:00	0.51	10.11	3.16
22/04/2011 11:00	0.543	10.2	3.17
22/04/2011 12:00	0.581	10.2	3.17
22/04/2011 13:00	0.629	10.15	3.16
22/04/2011 14:00	0.663	10.09	3.16
22/04/2011 15:00	0.686	10.12	3.16
22/04/2011 16:00	0.692	10.13	3.16
22/04/2011 17:00	0.659	10.11	3.16
22/04/2011 18:00	0.611	10.12	3.16
22/04/2011 19:00	0.559	10.13	3.16
22/04/2011 20:00	0.51	10.1	3.16
22/04/2011 21:00	0.477	10.18	3.16
22/04/2011 22:00	0.479	10.22	3.17
22/04/2011 23:00	0.506	10.19	3.17
23/04/2011 00:00	0.546	10.15	3.17
23/04/2011 01:00	0.59	10.2	3.17
23/04/2011 02:00	0.643	10.19	3.17
23/04/2011 03:00	0.678	10.16	3.17
23/04/2011 04:00	0.704	10.15	3.16
23/04/2011 05:00	0.691	10.17	3.17
23/04/2011 06:00	0.656	10.13	3.16
23/04/2011 07:00	0.606	10.11	3.16
23/04/2011 08:00	0.551	10.14	3.16
23/04/2011 09:00	0.51	10.11	3.16
23/04/2011 10:00	0.497	10.18	3.17
23/04/2011 11:00	0.521	10.2	3.17
23/04/2011 12:00	0.556	10.14	3.16
23/04/2011 13:00	0.59	10.15	3.16
23/04/2011 14:00	0.634	10.16	3.17
23/04/2011 15:00	0.667	10.15	3.17
23/04/2011 16:00	0.681	10.17	3.17

23/04/2011 17:00	0.68	10.13	3.16
23/04/2011 18:00	0.646	10.14	3.17
23/04/2011 19:00	0.599	10.14	3.16
23/04/2011 20:00	0.548	10.21	3.17
23/04/2011 21:00	0.501	10.26	3.17
23/04/2011 22:00	0.476	10.31	3.17
23/04/2011 23:00	0.482	10.2	3.16
24/04/2011 00:00	0.511	10.18	3.16
24/04/2011 01:00	0.547	10.16	3.16
24/04/2011 02:00	0.589	10.18	3.16
24/04/2011 03:00	0.635	10.18	3.16
24/04/2011 04:00	0.675	10.19	3.16
24/04/2011 05:00	0.698	10.18	3.16
24/04/2011 06:00	0.688	10.16	3.16
24/04/2011 07:00	0.65	10.12	3.16
24/04/2011 08:00	0.607	10.13	3.16
24/04/2011 09:00	0.569	10.16	3.16
24/04/2011 10:00	0.54	10.09	3.16
24/04/2011 11:00	0.536	10.24	3.16
24/04/2011 12:00	0.559	10.22	3.16
24/04/2011 13:00	0.587	10.17	3.16
24/04/2011 14:00	0.619	10.15	3.16
24/04/2011 15:00	0.66	10.19	3.16
24/04/2011 16:00	0.683	10.21	3.16
24/04/2011 17:00	0.693	10.16	3.16
24/04/2011 18:00	0.681	10.15	3.16
24/04/2011 19:00	0.647	10.12	3.16
24/04/2011 20:00	0.599	10.11	3.15
24/04/2011 21:00	0.55	10.16	3.16
24/04/2011 22:00	0.51	10.27	3.16
24/04/2011 23:00	0.486	10.19	3.15
25/04/2011 00:00	0.489	10.16	3.15
25/04/2011 01:00	0.505	10.28	3.16
25/04/2011 02:00	0.537	10.21	3.14
25/04/2011 03:00	0.579	10.17	3.14
25/04/2011 04:00	0.619	10.16	3.14
25/04/2011 05:00	0.661	10.16	3.14
25/04/2011 06:00	0.682	10.19	3.15
25/04/2011 07:00	0.673	10.19	3.15
25/04/2011 08:00	0.646	10.17	3.15
25/04/2011 09:00	0.61	10.15	3.14
25/04/2011 10:00	0.572	10.17	3.15
25/04/2011 11:00	0.547	10.21	3.15
25/04/2011 12:00	0.538	10.17	3.14
25/04/2011 13:00	0.55	10.25	3.14
25/04/2011 14:00	0.571	10.18	3.14
25/04/2011 15:00	0.601	10.16	3.14
25/04/2011 16:00	0.628	10.14	3.14
25/04/2011 17:00	0.654	10.17	3.14
25/04/2011 18:00	0.668	10.16	3.14
25/04/2011 19:00	0.666	10.09	3.14
25/04/2011 20:00	0.633	10.11	3.14
25/04/2011 21:00	0.593	10.16	3.14
25/04/2011 22:00	0.556	10.09	3.14
25/04/2011 23:00	0.516	10.12	3.13
26/04/2011 00:00	0.493	10.22	3.14
26/04/2011 01:00	0.489	10.23	3.13
26/04/2011 02:00	0.505	10.21	3.12
26/04/2011 03:00	0.529	10.21	3.12

26/04/2011 04:00	0.567	10.2	3.12
26/04/2011 05:00	0.609	10.22	3.12
26/04/2011 06:00	0.642	10.17	3.12
26/04/2011 07:00	0.668	10.21	3.12
26/04/2011 08:00	0.666	10.18	3.12
26/04/2011 09:00	0.646	10.2	3.13
26/04/2011 10:00	0.614	10.11	3.12
26/04/2011 11:00	0.584	10.09	3.12
26/04/2011 12:00	0.554	10.16	3.12
26/04/2011 13:00	0.544	10.13	3.12
26/04/2011 14:00	0.553	10.14	3.11
26/04/2011 15:00	0.574	10.17	3.12
26/04/2011 16:00	0.602	10.17	3.12
26/04/2011 17:00	0.631	10.18	3.12
26/04/2011 18:00	0.654	10.2	3.12
26/04/2011 19:00	0.665	10.21	3.12
26/04/2011 20:00	0.659	10.12	3.12
26/04/2011 21:00	0.64	10.14	3.12
26/04/2011 22:00	0.603	10.16	3.12
26/04/2011 23:00	0.568	10.13	3.12
27/04/2011 00:00	0.531	10.19	3.12
27/04/2011 01:00	0.502	10.15	3.11
27/04/2011 02:00	0.489	10.19	3.11
27/04/2011 03:00	0.493	10.21	3.1
27/04/2011 04:00	0.521	10.2	3.1
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27/04/2011 09:00	0.667	10.15	3.1
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27/04/2011 13:00	0.568	10.18	3.11
27/04/2011 14:00	0.549	10.1	3.1
27/04/2011 15:00	0.551	10.14	3.1
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27/04/2011 17:00	0.596	10.18	3.1
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27/04/2011 19:00	0.657	10.16	3.1
27/04/2011 20:00	0.671	10.19	3.1
27/04/2011 21:00	0.673	10.18	3.1
27/04/2011 22:00	0.654	10.1	3.1
27/04/2011 23:00	0.621	10.16	3.1
28/04/2011 00:00	0.582	10.15	3.1
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28/04/2011 03:00	0.501	10.19	3.1
28/04/2011 04:00	0.504	10.17	3.1
28/04/2011 05:00	0.526	10.15	3.09
28/04/2011 06:00	0.564	10.22	3.1
28/04/2011 07:00	0.604	10.14	3.09
28/04/2011 08:00	0.637	10.16	3.09
28/04/2011 09:00	0.669	10.18	3.1
28/04/2011 10:00	0.681	10.15	3.09
28/04/2011 11:00	0.671	10.16	3.09
28/04/2011 12:00	0.643	10.14	3.09
28/04/2011 13:00	0.609	10.19	3.1
28/04/2011 14:00	0.573	10.17	3.09

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28/04/2011 20:00	0.679	10.14	3.09
28/04/2011 21:00	0.692	10.14	3.09
28/04/2011 22:00	0.694	10.21	3.09
28/04/2011 23:00	0.675	10.15	3.09
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29/04/2011 20:00	0.655	10.17	3.08
29/04/2011 21:00	0.685	10.18	3.08
29/04/2011 22:00	0.699	10.17	3.08
29/04/2011 23:00	0.699	10.16	3.08
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30/04/2011 01:00	0.634	10.17	3.08
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30/04/2011 20:00	0.634	10.18	3.08
30/04/2011 21:00	0.668	10.15	3.08
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01/05/2011 06:00	0.509	10.19	3.08
01/05/2011 07:00	0.538	10.18	3.08
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01/05/2011 15:00	0.588	10.19	3.09
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01/05/2011 18:00	0.535	10.16	3.08
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01/05/2011 20:00	0.607	10.18	3.08
01/05/2011 21:00	0.647	10.2	3.09
01/05/2011 22:00	0.683	10.2	3.09
01/05/2011 23:00	0.706	10.15	3.08
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02/05/2011 01:00	0.697	10.15	3.08
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02/05/2011 05:00	0.515	10.15	3.09
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02/05/2011 08:00	0.547	10.23	3.1
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02/05/2011 11:00	0.662	10.19	3.1
02/05/2011 12:00	0.68	10.19	3.1
02/05/2011 13:00	0.682	10.17	3.09
02/05/2011 14:00	0.649	10.18	3.1
02/05/2011 15:00	0.603	10.13	3.09
02/05/2011 16:00	0.559	10.19	3.1
02/05/2011 17:00	0.524	10.14	3.09
02/05/2011 18:00	0.513	10.18	3.1
02/05/2011 19:00	0.541	10.21	3.1
02/05/2011 20:00	0.578	10.19	3.1
02/05/2011 21:00	0.616	10.22	3.1
02/05/2011 22:00	0.656	10.17	3.1
02/05/2011 23:00	0.687	10.18	3.1
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03/05/2011 01:00	0.7	10.16	3.1
03/05/2011 02:00	0.668	10.19	3.1
03/05/2011 03:00	0.619	10.17	3.1
03/05/2011 04:00	0.565	10.18	3.1
03/05/2011 05:00	0.517	10.15	3.1
03/05/2011 06:00	0.488	10.18	3.1
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03/05/2011 08:00	0.528	10.26	3.11
03/05/2011 09:00	0.564	10.14	3.1
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03/05/2011 12:00	0.672	10.22	3.11

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03/05/2011 23:00	0.665	10.21	3.13
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04/05/2011 03:00	0.651	10.18	3.13
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04/05/2011 05:00	0.552	10.16	3.13
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04/05/2011 12:00	0.671	10.17	3.13
04/05/2011 13:00	0.685	10.18	3.13
04/05/2011 14:00	0.683	10.15	3.12
04/05/2011 15:00	0.65	10.21	3.13
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05/05/2011 22:00	0.526	10.23	3.14
05/05/2011 23:00	0.564	10.19	3.14

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06/05/2011 01:00	0.644	10.22	3.14
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12/05/2011 01:00	0.463	10.31	3.13
12/05/2011 02:00	0.473	10.3	3.13
12/05/2011 03:00	0.501	10.31	3.13
12/05/2011 04:00	0.539	10.29	3.13
12/05/2011 05:00	0.581	10.27	3.13
12/05/2011 06:00	0.623	10.28	3.13
12/05/2011 07:00	0.645	10.29	3.13
12/05/2011 08:00	0.639	10.25	3.13
12/05/2011 09:00	0.617	10.26	3.13
12/05/2011 10:00	0.589	10.22	3.13
12/05/2011 11:00	0.551	10.25	3.13
12/05/2011 12:00	0.523	10.3	3.13
12/05/2011 13:00	0.502	10.28	3.13
12/05/2011 14:00	0.512	10.32	3.12
12/05/2011 15:00	0.535	10.34	3.13
12/05/2011 16:00	0.568	10.25	3.12
12/05/2011 17:00	0.603	10.28	3.12
12/05/2011 18:00	0.632	10.24	3.12
12/05/2011 19:00	0.653	10.27	3.12
12/05/2011 20:00	0.656	10.22	3.12
12/05/2011 21:00	0.636	10.21	3.12
12/05/2011 22:00	0.593	10.25	3.12
12/05/2011 23:00	0.551	10.25	3.12
13/05/2011 00:00	0.501	10.29	3.13
13/05/2011 01:00	0.463	10.34	3.13
13/05/2011 02:00	0.45	10.33	3.13
13/05/2011 03:00	0.458	10.3	3.12
13/05/2011 04:00	0.487	10.3	3.12
13/05/2011 05:00	0.529	10.28	3.12
13/05/2011 06:00	0.575	10.28	3.12
13/05/2011 07:00	0.612	10.23	3.12
13/05/2011 08:00	0.637	10.28	3.12

13/05/2011 09:00	0.647	10.25	3.12
13/05/2011 10:00	0.632	10.22	3.12
13/05/2011 11:00	0.603	10.25	3.12
13/05/2011 12:00	0.57	10.25	3.12
13/05/2011 13:00	0.529	10.23	3.12
13/05/2011 14:00	0.504	10.27	3.12
13/05/2011 15:00	0.5	10.31	3.12
13/05/2011 16:00	0.525	10.28	3.12
13/05/2011 17:00	0.553	10.27	3.12
13/05/2011 18:00	0.594	10.31	3.12
13/05/2011 19:00	0.628	10.27	3.12
13/05/2011 20:00	0.647	10.23	3.12
13/05/2011 21:00	0.653	10.25	3.12
13/05/2011 22:00	0.635	10.27	3.12
13/05/2011 23:00	0.596	10.26	3.12
14/05/2011 00:00	0.549	10.27	3.12
14/05/2011 01:00	0.5	10.34	3.13
14/05/2011 02:00	0.459	10.24	3.12
14/05/2011 03:00	0.444	10.3	3.12
14/05/2011 04:00	0.452	10.31	3.12
14/05/2011 05:00	0.486	10.28	3.12
14/05/2011 06:00	0.525	10.36	3.13
14/05/2011 07:00	0.565	10.27	3.12
14/05/2011 08:00	0.602	10.3	3.12
14/05/2011 09:00	0.632	10.26	3.12
14/05/2011 10:00	0.644	10.27	3.12
14/05/2011 11:00	0.627	10.24	3.12
14/05/2011 12:00	0.597	10.24	3.12
14/05/2011 13:00	0.556	10.23	3.12
14/05/2011 14:00	0.521	10.26	3.12
14/05/2011 15:00	0.494	10.26	3.12
14/05/2011 16:00	0.506	10.31	3.12
14/05/2011 17:00	0.533	10.28	3.12
14/05/2011 18:00	0.571	10.27	3.12
14/05/2011 19:00	0.614	10.26	3.12
14/05/2011 20:00	0.654	10.28	3.12
14/05/2011 21:00	0.673	10.26	3.12
14/05/2011 22:00	0.675	10.26	3.12
14/05/2011 23:00	0.66	10.25	3.12
15/05/2011 00:00	0.612	10.25	3.12
15/05/2011 01:00	0.564	10.26	3.12
15/05/2011 02:00	0.507	10.22	3.12
15/05/2011 03:00	0.461	10.23	3.12
15/05/2011 04:00	0.441	10.26	3.12
15/05/2011 05:00	0.461	10.28	3.13
15/05/2011 06:00	0.498	10.27	3.12
15/05/2011 07:00	0.537	10.27	3.13
15/05/2011 08:00	0.576	10.28	3.13
15/05/2011 09:00	0.622	10.28	3.13
15/05/2011 10:00	0.652	10.28	3.13
15/05/2011 11:00	0.664	10.25	3.12
15/05/2011 12:00	0.643	10.26	3.13
15/05/2011 13:00	0.599	10.27	3.13
15/05/2011 14:00	0.555	10.27	3.13
15/05/2011 15:00	0.507	10.24	3.12
15/05/2011 16:00	0.477	10.35	3.13
15/05/2011 17:00	0.488	10.27	3.13
15/05/2011 18:00	0.52	10.27	3.13
15/05/2011 19:00	0.564	10.28	3.13

15/05/2011 20:00	0.61	10.31	3.13
15/05/2011 21:00	0.646	10.27	3.13
15/05/2011 22:00	0.667	10.26	3.13
15/05/2011 23:00	0.668	10.23	3.12
16/05/2011 00:00	0.646	10.27	3.13
16/05/2011 01:00	0.597	10.25	3.13
16/05/2011 02:00	0.537	10.29	3.13
16/05/2011 03:00	0.479	10.28	3.13
16/05/2011 04:00	0.431	10.27	3.13
16/05/2011 05:00	0.421	10.3	3.13
16/05/2011 06:00	0.446	10.29	3.13
16/05/2011 07:00	0.481	10.31	3.13
16/05/2011 08:00	0.523	10.23	3.13
16/05/2011 09:00	0.572	10.27	3.13
16/05/2011 10:00	0.618	10.29	3.13
16/05/2011 11:00	0.639	10.27	3.13
16/05/2011 12:00	0.645	10.25	3.13
16/05/2011 13:00	0.611	10.25	3.13
16/05/2011 14:00	0.561	10.26	3.13
16/05/2011 15:00	0.508	10.27	3.13
16/05/2011 16:00	0.467	10.25	3.13
16/05/2011 17:00	0.448	10.31	3.14
16/05/2011 18:00	0.471	10.29	3.14
16/05/2011 19:00	0.515	10.3	3.14
16/05/2011 20:00	0.565	10.29	3.14
16/05/2011 21:00	0.614	10.23	3.13
16/05/2011 22:00	0.658	10.25	3.13
16/05/2011 23:00	0.679	10.26	3.13
17/05/2011 00:00	0.688	10.27	3.13
17/05/2011 01:00	0.664	10.25	3.13
17/05/2011 02:00	0.61	10.27	3.13
17/05/2011 03:00	0.552	10.28	3.14
17/05/2011 04:00	0.497	10.3	3.14
17/05/2011 05:00	0.455	10.29	3.14
17/05/2011 06:00	0.45	10.25	3.13
17/05/2011 07:00	0.482	10.25	3.13
17/05/2011 08:00	0.523	10.3	3.14
17/05/2011 09:00	0.567	10.28	3.14
17/05/2011 10:00	0.622	10.29	3.14
17/05/2011 11:00	0.658	10.29	3.14
17/05/2011 12:00	0.674	10.23	3.13
17/05/2011 13:00	0.672	10.26	3.14
17/05/2011 14:00	0.634	10.25	3.14
17/05/2011 15:00	0.578	10.28	3.14
17/05/2011 16:00	0.525	10.25	3.14
17/05/2011 17:00	0.479	10.3	3.14
17/05/2011 18:00	0.457	10.34	3.14
17/05/2011 19:00	0.482	10.37	3.15
17/05/2011 20:00	0.525	10.28	3.14
17/05/2011 21:00	0.569	10.28	3.14
17/05/2011 22:00	0.624	10.3	3.14
17/05/2011 23:00	0.666	10.29	3.14
18/05/2011 00:00	0.683	10.26	3.14
18/05/2011 01:00	0.687	10.29	3.14
18/05/2011 02:00	0.654	10.28	3.14
18/05/2011 03:00	0.595	10.28	3.14
18/05/2011 04:00	0.54	10.26	3.14
18/05/2011 05:00	0.481	10.26	3.14
18/05/2011 06:00	0.436	10.29	3.14

18/05/2011 07:00	0.443	10.27	3.14
18/05/2011 08:00	0.476	10.31	3.14
18/05/2011 09:00	0.515	10.31	3.14
18/05/2011 10:00	0.559	10.28	3.14
18/05/2011 11:00	0.613	10.31	3.14
18/05/2011 12:00	0.64	10.29	3.14
18/05/2011 13:00	0.647	10.26	3.14
18/05/2011 14:00	0.636	10.27	3.14
18/05/2011 15:00	0.586	10.28	3.14
18/05/2011 16:00	0.531	10.26	3.14
18/05/2011 17:00	0.476	10.28	3.14
18/05/2011 18:00	0.436	10.28	3.14
18/05/2011 19:00	0.436	10.25	3.14
18/05/2011 20:00	0.479	10.3	3.14
18/05/2011 21:00	0.527	10.26	3.14
18/05/2011 22:00	0.577	10.29	3.14
18/05/2011 23:00	0.636	10.3	3.14
19/05/2011 00:00	0.678	10.26	3.14
19/05/2011 01:00	0.698	10.28	3.14
19/05/2011 02:00	0.706	10.29	3.14
19/05/2011 03:00	0.667	10.28	3.14
19/05/2011 04:00	0.615	10.26	3.14
19/05/2011 05:00	0.555	10.27	3.14
19/05/2011 06:00	0.505	10.26	3.14
19/05/2011 07:00	0.474	10.35	3.15
19/05/2011 08:00	0.486	10.35	3.15
19/05/2011 09:00	0.527	10.34	3.15
19/05/2011 10:00	0.575	10.32	3.15
19/05/2011 11:00	0.625	10.3	3.14
19/05/2011 12:00	0.676	10.26	3.14
19/05/2011 13:00	0.699	10.3	3.14
19/05/2011 14:00	0.697	10.3	3.15
19/05/2011 15:00	0.671	10.27	3.14
19/05/2011 16:00	0.624	10.26	3.14
19/05/2011 17:00	0.563	10.26	3.14
19/05/2011 18:00	0.507	10.27	3.14
19/05/2011 19:00	0.471	10.27	3.14
19/05/2011 20:00	0.471	10.28	3.15
19/05/2011 21:00	0.508	10.39	3.16
19/05/2011 22:00	0.552	10.34	3.15
19/05/2011 23:00	0.597	10.32	3.15
20/05/2011 00:00	0.65	10.28	3.15
20/05/2011 01:00	0.679	10.3	3.15
20/05/2011 02:00	0.698	10.28	3.15
20/05/2011 03:00	0.689	10.31	3.15
20/05/2011 04:00	0.642	10.27	3.15
20/05/2011 05:00	0.589	10.26	3.15
20/05/2011 06:00	0.53	10.34	3.15
20/05/2011 07:00	0.476	10.29	3.15
20/05/2011 08:00	0.449	10.31	3.15
20/05/2011 09:00	-5.815	15.91	120
20/05/2011 10:00	0.499	10.4	3.18
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20/05/2011 12:00	0.588	10.29	3.16
20/05/2011 13:00	0.63	10.27	3.16
20/05/2011 14:00	0.641	10.16	3.14
20/05/2011 15:00	0.645	10.17	3.14
20/05/2011 16:00	0.615	10.17	3.14
20/05/2011 17:00	0.564	10.14	3.14

20/05/2011 18:00	0.511	10.15	3.14
20/05/2011 19:00	0.462	10.18	3.14
20/05/2011 20:00	0.432	10.24	3.16
20/05/2011 21:00	0.448	10.26	3.16
20/05/2011 22:00	0.484	10.27	3.16
20/05/2011 23:00	0.526	10.24	3.16
21/05/2011 00:00	0.578	10.27	3.16
21/05/2011 01:00	0.63	10.21	3.16
21/05/2011 02:00	0.665	10.22	3.16
21/05/2011 03:00	0.688	10.24	3.16
21/05/2011 04:00	0.677	10.24	3.16
21/05/2011 05:00	0.634	10.2	3.15
21/05/2011 06:00	0.584	10.22	3.16
21/05/2011 07:00	0.529	10.22	3.16
21/05/2011 08:00	0.487	10.29	3.16
21/05/2011 09:00	0.483	10.32	3.16
21/05/2011 10:00	0.514	10.31	3.16
21/05/2011 11:00	0.55	10.29	3.16
21/05/2011 12:00	0.589	10.25	3.16
21/05/2011 13:00	0.632	10.21	3.16
21/05/2011 14:00	0.657	10.23	3.16
21/05/2011 15:00	0.664	10.27	3.16
21/05/2011 16:00	0.653	10.2	3.15
21/05/2011 17:00	0.613	10.24	3.16
21/05/2011 18:00	0.559	10.23	3.16
21/05/2011 19:00	0.512	10.23	3.16
21/05/2011 20:00	0.466	10.3	3.16
21/05/2011 21:00	0.438	10.25	3.16
21/05/2011 22:00	0.453	10.32	3.16
21/05/2011 23:00	0.481	10.28	3.16
22/05/2011 00:00	0.516	10.31	3.16
22/05/2011 01:00	0.561	10.26	3.16
22/05/2011 02:00	0.605	10.26	3.16
22/05/2011 03:00	0.638	10.24	3.16
22/05/2011 04:00	0.653	10.26	3.16
22/05/2011 05:00	0.626	10.23	3.16
22/05/2011 06:00	0.58	10.21	3.16
22/05/2011 07:00	0.531	10.23	3.16
22/05/2011 08:00	0.487	10.25	3.16
22/05/2011 09:00	0.458	10.27	3.16
22/05/2011 10:00	0.456	10.28	3.16
22/05/2011 11:00	0.485	10.24	3.16
22/05/2011 12:00	0.52	10.29	3.17
22/05/2011 13:00	0.56	10.27	3.17
22/05/2011 14:00	0.6	10.25	3.16
22/05/2011 15:00	0.627	10.23	3.16
22/05/2011 16:00	0.634	10.23	3.16
22/05/2011 17:00	0.609	10.28	3.17
22/05/2011 18:00	0.562	10.25	3.16
22/05/2011 19:00	0.525	10.25	3.16
22/05/2011 20:00	0.479	10.3	3.17
22/05/2011 21:00	0.448	10.33	3.17
22/05/2011 22:00	0.433	10.32	3.17
22/05/2011 23:00	0.45	10.3	3.17
23/05/2011 00:00	0.486	10.36	3.18
23/05/2011 01:00	0.53	10.29	3.17
23/05/2011 02:00	0.576	10.27	3.17
23/05/2011 03:00	0.624	10.24	3.16
23/05/2011 04:00	0.656	10.25	3.16

23/05/2011 05:00	0.667	10.23	3.16
23/05/2011 06:00	0.642	10.22	3.16
23/05/2011 07:00	0.603	10.21	3.16
23/05/2011 08:00	0.553	10.21	3.16
23/05/2011 09:00	0.517	10.23	3.16
23/05/2011 10:00	0.498	10.32	3.17
23/05/2011 11:00	0.504	10.35	3.17
23/05/2011 12:00	0.529	10.28	3.16
23/05/2011 13:00	0.552	10.28	3.16
23/05/2011 14:00	0.578	10.3	3.16
23/05/2011 15:00	0.596	10.28	3.16
23/05/2011 16:00	0.6	10.27	3.16
23/05/2011 17:00	0.587	10.23	3.16
23/05/2011 18:00	0.546	10.24	3.16
23/05/2011 19:00	0.504	10.25	3.16
23/05/2011 20:00	0.457	10.33	3.16
23/05/2011 21:00	0.414	10.28	3.16
23/05/2011 22:00	0.378	10.32	3.16
23/05/2011 23:00	0.36	10.31	3.16
24/05/2011 00:00	0.364	10.42	3.16
24/05/2011 01:00	0.387	10.41	3.15
24/05/2011 02:00	0.416	10.38	3.15
24/05/2011 03:00	0.456	10.35	3.14
24/05/2011 04:00	0.503	10.28	3.14
24/05/2011 05:00	0.547	10.29	3.14
24/05/2011 06:00	0.562	10.28	3.14
24/05/2011 07:00	0.552	10.3	3.14
24/05/2011 08:00	0.526	10.31	3.14
24/05/2011 09:00	0.516	10.29	3.14
24/05/2011 10:00	0.518	10.27	3.14
24/05/2011 11:00	0.537	10.27	3.14
24/05/2011 12:00	0.573	10.28	3.14
24/05/2011 13:00	0.603	10.28	3.14
24/05/2011 14:00	0.643	10.26	3.14
24/05/2011 15:00	0.681	10.26	3.14
24/05/2011 16:00	0.704	10.25	3.14
24/05/2011 17:00	0.715	10.26	3.14
24/05/2011 18:00	0.705	10.26	3.14
24/05/2011 19:00	0.689	10.25	3.14
24/05/2011 20:00	0.643	10.24	3.14
24/05/2011 21:00	0.595	10.26	3.14
24/05/2011 22:00	0.544	10.25	3.14
24/05/2011 23:00	0.503	10.36	3.15
25/05/2011 00:00	0.479	10.35	3.15
25/05/2011 01:00	0.48	10.29	3.15
25/05/2011 02:00	0.497	10.3	3.15
25/05/2011 03:00	0.529	10.31	3.15
25/05/2011 04:00	0.564	10.29	3.15
25/05/2011 05:00	0.598	10.29	3.15
25/05/2011 06:00	0.626	10.28	3.15
25/05/2011 07:00	0.626	10.28	3.15
25/05/2011 08:00	0.598	10.25	3.14
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25/05/2011 10:00	0.534	10.24	3.14
25/05/2011 11:00	0.503	10.22	3.14
25/05/2011 12:00	0.492	10.32	3.15
25/05/2011 13:00	0.494	10.29	3.14
25/05/2011 14:00	0.515	10.27	3.14
25/05/2011 15:00	0.538	10.28	3.14

25/05/2011 16:00	0.572	10.28	3.14
25/05/2011 17:00	0.598	10.31	3.15
25/05/2011 18:00	0.611	10.26	3.14
25/05/2011 19:00	0.617	10.27	3.14
25/05/2011 20:00	0.592	10.27	3.14
25/05/2011 21:00	0.549	10.26	3.14
25/05/2011 22:00	0.504	10.26	3.14
25/05/2011 23:00	0.46	10.3	3.15
26/05/2011 00:00	0.429	10.37	3.15
26/05/2011 01:00	0.414	10.3	3.15
26/05/2011 02:00	0.416	10.34	3.15
26/05/2011 03:00	0.438	10.36	3.15
26/05/2011 04:00	0.477	10.35	3.15
26/05/2011 05:00	0.514	10.26	3.14
26/05/2011 06:00	0.559	10.3	3.15
26/05/2011 07:00	0.596	10.29	3.15
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26/05/2011 10:00	0.558	10.25	3.14
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26/05/2011 12:00	0.511	10.27	3.14
26/05/2011 13:00	0.501	10.25	3.14
26/05/2011 14:00	0.514	10.27	3.15
26/05/2011 15:00	0.531	10.29	3.15
26/05/2011 16:00	0.573	10.26	3.14
26/05/2011 17:00	0.597	10.27	3.15
26/05/2011 18:00	0.621	10.26	3.14
26/05/2011 19:00	0.642	10.24	3.14
26/05/2011 20:00	0.644	10.28	3.15
26/05/2011 21:00	0.619	10.25	3.14
26/05/2011 22:00	0.583	10.25	3.14
26/05/2011 23:00	0.547	10.27	3.15
27/05/2011 00:00	0.507	10.31	3.15
27/05/2011 01:00	0.483	10.32	3.15
27/05/2011 02:00	0.47	10.37	3.14
27/05/2011 03:00	0.481	10.39	3.14
27/05/2011 04:00	0.515	10.33	3.14
27/05/2011 05:00	0.554	10.3	3.14
27/05/2011 06:00	0.586	10.29	3.14
27/05/2011 07:00	0.623	10.36	3.14
27/05/2011 08:00	0.643	10.26	3.14
27/05/2011 09:00	0.656	10.28	3.14
27/05/2011 10:00	0.64	10.32	3.14
27/05/2011 11:00	0.612	10.28	3.14
27/05/2011 12:00	0.582	10.28	3.14
27/05/2011 13:00	0.546	10.27	3.14
27/05/2011 14:00	0.522	10.36	3.14
27/05/2011 15:00	0.512	10.32	3.14
27/05/2011 16:00	0.528	10.31	3.14
27/05/2011 17:00	0.557	10.29	3.14
27/05/2011 18:00	0.582	10.28	3.13
27/05/2011 19:00	0.604	10.28	3.14
27/05/2011 20:00	0.622	10.3	3.14
27/05/2011 21:00	0.619	10.27	3.13
27/05/2011 22:00	0.598	10.29	3.14
27/05/2011 23:00	0.557	10.25	3.13
28/05/2011 00:00	0.516	10.31	3.14
28/05/2011 01:00	0.473	10.34	3.14
28/05/2011 02:00	0.438	10.36	3.14

28/05/2011 03:00	0.423	10.35	3.13
28/05/2011 04:00	0.421	10.39	3.14
28/05/2011 05:00	0.441	10.35	3.13
28/05/2011 06:00	0.468	10.38	3.14
28/05/2011 07:00	0.503	10.31	3.13
28/05/2011 08:00	0.539	10.32	3.13
28/05/2011 09:00	0.572	10.33	3.13
28/05/2011 10:00	0.573	10.3	3.13
28/05/2011 11:00	0.548	10.27	3.13
28/05/2011 12:00	0.518	10.28	3.13
28/05/2011 13:00	0.496	10.29	3.13
28/05/2011 14:00	0.472	10.29	3.13
28/05/2011 15:00	0.468	10.35	3.14
28/05/2011 16:00	0.478	10.37	3.14
28/05/2011 17:00	0.501	10.39	3.14
28/05/2011 18:00	0.53	10.31	3.13
28/05/2011 19:00	0.576	10.3	3.13
28/05/2011 20:00	0.611	10.32	3.13
28/05/2011 21:00	0.638	10.29	3.13
28/05/2011 22:00	0.645	10.29	3.13
28/05/2011 23:00	0.628	10.26	3.13
29/05/2011 00:00	0.595	10.3	3.13
29/05/2011 01:00	0.559	10.29	3.13
29/05/2011 02:00	0.519	10.28	3.13
29/05/2011 03:00	0.487	10.38	3.14
29/05/2011 04:00	0.476	10.34	3.13
29/05/2011 05:00	0.487	10.35	3.12
29/05/2011 06:00	0.508	10.33	3.12
29/05/2011 07:00	0.545	10.32	3.12
29/05/2011 08:00	0.574	10.3	3.12
29/05/2011 09:00	0.605	10.29	3.12
29/05/2011 10:00	0.628	10.31	3.12
29/05/2011 11:00	0.625	10.29	3.12
29/05/2011 12:00	0.6	10.28	3.12
29/05/2011 13:00	0.562	10.29	3.12
29/05/2011 14:00	0.524	10.29	3.12
29/05/2011 15:00	0.485	10.4	3.13
29/05/2011 16:00	0.475	10.34	3.13
29/05/2011 17:00	0.479	10.35	3.13
29/05/2011 18:00	0.497	10.32	3.12
29/05/2011 19:00	0.534	10.29	3.12
29/05/2011 20:00	0.566	10.29	3.12
29/05/2011 21:00	0.6	10.34	3.13
29/05/2011 22:00	0.619	10.31	3.12
29/05/2011 23:00	0.626	10.29	3.12
30/05/2011 00:00	0.596	10.32	3.13
30/05/2011 01:00	0.559	10.33	3.13
30/05/2011 02:00	0.515	10.3	3.12
30/05/2011 03:00	0.483	10.29	3.12
30/05/2011 04:00	0.464	10.37	3.13
30/05/2011 05:00	0.46	10.37	3.13
30/05/2011 06:00	0.485	10.36	3.12
30/05/2011 07:00	0.513	10.34	3.12
30/05/2011 08:00	0.557	10.32	3.12
30/05/2011 09:00	0.592	10.3	3.12
30/05/2011 10:00	0.631	10.33	3.12
30/05/2011 11:00	0.646	10.35	3.12
30/05/2011 12:00	0.642	10.33	3.12
30/05/2011 13:00	0.606	10.26	3.12

30/05/2011 14:00	0.566	10.33	3.12
30/05/2011 15:00	0.524	10.31	3.12
30/05/2011 16:00	0.495	10.35	3.12
30/05/2011 17:00	0.486	10.35	3.12
30/05/2011 18:00	0.505	10.33	3.12
30/05/2011 19:00	0.533	10.34	3.12
30/05/2011 20:00	0.57	10.29	3.12
30/05/2011 21:00	0.612	10.3	3.12
30/05/2011 22:00	0.643	10.32	3.12
30/05/2011 23:00	0.659	10.33	3.12
31/05/2011 00:00	0.658	10.34	3.12
31/05/2011 01:00	0.623	10.31	3.12
31/05/2011 02:00	0.577	10.28	3.12
31/05/2011 03:00	0.533	10.3	3.12
31/05/2011 04:00	0.492	10.33	3.12
31/05/2011 05:00	0.47	10.34	3.12
31/05/2011 06:00	0.481	10.36	3.12
31/05/2011 07:00	0.5	10.37	3.12
31/05/2011 08:00	0.535	10.35	3.12
31/05/2011 09:00	0.578	10.31	3.12
31/05/2011 10:00	0.611	10.33	3.12
31/05/2011 11:00	0.636	10.31	3.12
31/05/2011 12:00	0.647	10.31	3.12
31/05/2011 13:00	0.634	10.3	3.12
31/05/2011 14:00	0.601	10.31	3.12
31/05/2011 15:00	0.559	10.31	3.12
31/05/2011 16:00	0.517	10.32	3.12
31/05/2011 17:00	0.485	10.37	3.12
31/05/2011 18:00	0.492	10.34	3.12
31/05/2011 19:00	0.51	10.4	3.12
31/05/2011 20:00	0.544	10.39	3.12
31/05/2011 21:00	0.575	10.36	3.12
31/05/2011 22:00	0.614	10.34	3.12
31/05/2011 23:00	0.64	10.35	3.12
01/06/2011 00:00	0.648	10.3	3.11
01/06/2011 01:00	0.632	10.31	3.11
01/06/2011 02:00	0.585	10.31	3.11
01/06/2011 03:00	0.537	10.32	3.12
01/06/2011 04:00	0.494	10.36	3.12
01/06/2011 05:00	0.452	10.34	3.12
01/06/2011 06:00	0.438	10.35	3.12
01/06/2011 07:00	0.448	10.34	3.12
01/06/2011 08:00	0.479	10.34	3.12
01/06/2011 09:00	0.514	10.34	3.12
01/06/2011 10:00	0.554	10.34	3.12
01/06/2011 11:00	0.59	10.33	3.12
01/06/2011 12:00	0.615	10.31	3.12
01/06/2011 13:00	0.614	10.32	3.12
01/06/2011 14:00	0.576	10.3	3.12
01/06/2011 15:00	0.526	10.35	3.12
01/06/2011 16:00	0.481	10.36	3.12
01/06/2011 17:00	0.433	10.37	3.12
01/06/2011 18:00	0.408	10.34	3.12
01/06/2011 19:00	0.426	10.35	3.12
01/06/2011 20:00	0.46	10.33	3.12
01/06/2011 21:00	0.497	10.34	3.12
01/06/2011 22:00	0.543	10.32	3.12
01/06/2011 23:00	0.584	10.31	3.12
02/06/2011 00:00	0.617	10.31	3.12

02/06/2011 01:00	0.632	10.33	3.12
02/06/2011 02:00	0.613	10.31	3.12
02/06/2011 03:00	0.564	10.31	3.12
02/06/2011 04:00	0.521	10.31	3.12
02/06/2011 05:00	0.482	10.33	3.12
02/06/2011 06:00	0.458	10.39	3.12
02/06/2011 07:00	0.468	10.35	3.12
02/06/2011 08:00	0.489	10.36	3.12
02/06/2011 09:00	0.525	10.35	3.12
02/06/2011 10:00	0.573	10.35	3.12
02/06/2011 11:00	0.61	10.34	3.12
02/06/2011 12:00	0.638	10.36	3.12
02/06/2011 13:00	0.641	10.33	3.12
02/06/2011 14:00	0.625	10.31	3.12
02/06/2011 15:00	0.582	10.32	3.12
02/06/2011 16:00	0.526	10.33	3.12
02/06/2011 17:00	0.475	10.31	3.12
02/06/2011 18:00	0.439	10.45	3.13
02/06/2011 19:00	0.432	10.35	3.12
02/06/2011 20:00	0.46	10.32	3.12
02/06/2011 21:00	0.496	10.32	3.12
02/06/2011 22:00	0.536	10.32	3.12
02/06/2011 23:00	0.583	10.33	3.12
03/06/2011 00:00	0.617	10.35	3.12
03/06/2011 01:00	0.639	10.32	3.12
03/06/2011 02:00	0.639	10.32	3.12
03/06/2011 03:00	0.601	10.31	3.12
03/06/2011 04:00	0.554	10.33	3.12
03/06/2011 05:00	0.507	10.32	3.12
03/06/2011 06:00	0.462	10.35	3.12
03/06/2011 07:00	0.446	10.4	3.13
03/06/2011 08:00	0.469	10.35	3.12
03/06/2011 09:00	0.504	10.35	3.12
03/06/2011 10:00	0.537	10.34	3.12
03/06/2011 11:00	0.579	10.35	3.12
03/06/2011 12:00	0.607	10.36	3.13
03/06/2011 13:00	0.621	10.28	3.12
03/06/2011 14:00	0.625	10.27	3.12
03/06/2011 15:00	0.593	10.26	3.12
03/06/2011 16:00	0.545	10.27	3.12
03/06/2011 17:00	0.49	10.28	3.12
03/06/2011 18:00	0.446	10.29	3.12
03/06/2011 19:00	0.415	10.28	3.12
03/06/2011 20:00	0.423	10.28	3.12
03/06/2011 21:00	0.455	10.29	3.12
03/06/2011 22:00	0.495	10.3	3.12
03/06/2011 23:00	0.539	10.3	3.12
04/06/2011 00:00	0.577	10.3	3.12
04/06/2011 01:00	0.613	10.29	3.12
04/06/2011 02:00	0.631	10.3	3.12
04/06/2011 03:00	0.621	10.29	3.12
04/06/2011 04:00	0.583	10.3	3.12
04/06/2011 05:00	0.533	10.29	3.12
04/06/2011 06:00	0.49	10.3	3.12
04/06/2011 07:00	0.45	10.33	3.13
04/06/2011 08:00	0.46	10.31	3.12
04/06/2011 09:00	0.491	10.32	3.13
04/06/2011 10:00	0.526	10.32	3.13
04/06/2011 11:00	0.572	10.32	3.13

04/06/2011 12:00	0.624	10.32	3.13
04/06/2011 13:00	0.652	10.34	3.13
04/06/2011 14:00	0.67	10.33	3.13
04/06/2011 15:00	0.664	10.3	3.13
04/06/2011 16:00	0.631	10.3	3.13
04/06/2011 17:00	0.578	10.32	3.13
04/06/2011 18:00	0.528	10.33	3.13
04/06/2011 19:00	0.486	10.3	3.13
04/06/2011 20:00	0.462	10.36	3.14
04/06/2011 21:00	0.478	10.35	3.14
04/06/2011 22:00	0.513	10.37	3.14
04/06/2011 23:00	0.556	10.38	3.14
05/06/2011 00:00	0.595	10.37	3.14
05/06/2011 01:00	0.633	10.41	3.14
05/06/2011 02:00	0.658	10.37	3.14
05/06/2011 03:00	0.676	10.34	3.14
05/06/2011 04:00	0.648	10.34	3.14
05/06/2011 05:00	0.605	10.34	3.14
05/06/2011 06:00	0.551	10.35	3.14
05/06/2011 07:00	0.506	10.4	3.14
05/06/2011 08:00	0.476	10.39	3.14
05/06/2011 09:00	0.492	10.45	3.15
05/06/2011 10:00	0.531	10.41	3.14
05/06/2011 11:00	0.567	10.38	3.14
05/06/2011 12:00	0.607	10.36	3.14
05/06/2011 13:00	0.642	10.37	3.14
05/06/2011 14:00	0.665	10.35	3.14
05/06/2011 15:00	0.665	10.39	3.14
05/06/2011 16:00	0.65	10.35	3.14
05/06/2011 17:00	0.606	10.32	3.14
05/06/2011 18:00	0.552	10.38	3.14
05/06/2011 19:00	0.5	10.43	3.14
05/06/2011 20:00	0.464	10.42	3.14
05/06/2011 21:00	0.453	10.39	3.14
05/06/2011 22:00	0.478	10.38	3.14
05/06/2011 23:00	0.512	10.37	3.14
06/06/2011 00:00	0.557	10.37	3.14
06/06/2011 01:00	0.602	10.4	3.14
06/06/2011 02:00	0.638	10.38	3.14
06/06/2011 03:00	0.669	10.38	3.14
06/06/2011 04:00	0.665	10.38	3.14
06/06/2011 05:00	0.637	10.35	3.14
06/06/2011 06:00	0.588	10.36	3.14
06/06/2011 07:00	0.541	10.36	3.14
06/06/2011 08:00	0.505	10.45	3.15
06/06/2011 09:00	0.495	10.42	3.14
06/06/2011 10:00	0.514	10.47	3.15
06/06/2011 11:00	0.552	10.41	3.14
06/06/2011 12:00	0.589	10.37	3.14
06/06/2011 13:00	0.631	10.36	3.14
06/06/2011 14:00	0.671	10.37	3.14
06/06/2011 15:00	0.679	10.37	3.14
06/06/2011 16:00	0.679	10.36	3.14
06/06/2011 17:00	0.642	10.35	3.14
06/06/2011 18:00	0.587	10.38	3.14
06/06/2011 19:00	0.542	10.35	3.14
06/06/2011 20:00	0.495	10.37	3.14
06/06/2011 21:00	0.464	10.39	3.14
06/06/2011 22:00	0.462	10.42	3.15

06/06/2011 23:00	0.485	10.45	3.15
07/06/2011 00:00	0.523	10.39	3.14
07/06/2011 01:00	0.569	10.37	3.14
07/06/2011 02:00	0.617	10.4	3.14
07/06/2011 03:00	0.658	10.37	3.14
07/06/2011 04:00	0.681	10.37	3.14
07/06/2011 05:00	0.671	10.41	3.15
07/06/2011 06:00	0.631	10.37	3.14
07/06/2011 07:00	0.586	10.41	3.15
07/06/2011 08:00	0.548	10.37	3.14
07/06/2011 09:00	0.503	10.43	3.15
07/06/2011 10:00	0.499	10.42	3.15
07/06/2011 11:00	0.518	10.41	3.14
07/06/2011 12:00	0.551	10.39	3.14
07/06/2011 13:00	0.589	10.41	3.14
07/06/2011 14:00	0.629	10.39	3.14
07/06/2011 15:00	0.652	10.4	3.14
07/06/2011 16:00	0.667	10.41	3.14
07/06/2011 17:00	0.654	10.4	3.14
07/06/2011 18:00	0.616	10.43	3.15
07/06/2011 19:00	0.575	10.38	3.14
07/06/2011 20:00	0.526	10.39	3.14
07/06/2011 21:00	0.48	10.43	3.15
07/06/2011 22:00	0.45	10.4	3.14
07/06/2011 23:00	0.449	10.4	3.14
08/06/2011 00:00	0.476	10.42	3.15
08/06/2011 01:00	0.51	10.37	3.14
08/06/2011 02:00	0.554	10.38	3.14
08/06/2011 03:00	0.598	10.37	3.14
08/06/2011 04:00	0.642	10.37	3.14
08/06/2011 05:00	0.661	10.4	3.14
08/06/2011 06:00	0.64	10.4	3.14
08/06/2011 07:00	0.596	10.39	3.14
08/06/2011 08:00	0.547	10.41	3.15
08/06/2011 09:00	0.51	10.38	3.14
08/06/2011 10:00	0.482	10.38	3.14
08/06/2011 11:00	0.484	10.46	3.15
08/06/2011 12:00	0.505	10.49	3.16
08/06/2011 13:00	0.549	10.45	3.15
08/06/2011 14:00	0.581	10.42	3.15
08/06/2011 15:00	0.617	10.42	3.15
08/06/2011 16:00	0.64	10.42	3.15
08/06/2011 17:00	0.65	10.41	3.15
08/06/2011 18:00	0.631	10.38	3.14
08/06/2011 19:00	0.591	10.37	3.14
08/06/2011 20:00	0.543	10.38	3.14
08/06/2011 21:00	0.495	10.42	3.15
08/06/2011 22:00	0.451	10.42	3.15
08/06/2011 23:00	0.419	10.43	3.15
09/06/2011 00:00	0.424	10.42	3.15
09/06/2011 01:00	0.447	10.42	3.15
09/06/2011 02:00	0.481	10.43	3.15
09/06/2011 03:00	0.53	10.41	3.15
09/06/2011 04:00	0.575	10.41	3.15
09/06/2011 05:00	0.618	10.41	3.15
09/06/2011 06:00	0.633	10.42	3.15
09/06/2011 07:00	0.609	10.41	3.15
09/06/2011 08:00	0.569	10.39	3.15
09/06/2011 09:00	0.533	10.38	3.15

09/06/2011 10:00	0.497	10.42	3.15
09/06/2011 11:00	0.474	10.46	3.15
09/06/2011 12:00	0.473	10.42	3.15
09/06/2011 13:00	0.501	10.48	3.15
09/06/2011 14:00	0.535	10.43	3.15
09/06/2011 15:00	0.575	10.43	3.15
09/06/2011 16:00	0.612	10.38	3.14
09/06/2011 17:00	0.636	10.38	3.14
09/06/2011 18:00	0.64	10.38	3.14
09/06/2011 19:00	0.627	10.39	3.15
09/06/2011 20:00	0.587	10.42	3.15
09/06/2011 21:00	0.54	10.41	3.15
09/06/2011 22:00	0.492	10.42	3.15
09/06/2011 23:00	0.448	10.44	3.15
10/06/2011 00:00	0.425	10.44	3.15
10/06/2011 01:00	0.425	10.51	3.15
10/06/2011 02:00	0.448	10.48	3.15
10/06/2011 03:00	0.49	10.5	3.15
10/06/2011 04:00	0.532	10.42	3.14
10/06/2011 05:00	0.578	10.41	3.14
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10/06/2011 10:00	0.548	10.39	3.14
10/06/2011 11:00	0.517	10.4	3.14
10/06/2011 12:00	0.492	10.43	3.14
10/06/2011 13:00	0.487	10.45	3.14
10/06/2011 14:00	0.505	10.44	3.14
10/06/2011 15:00	0.531	10.46	3.14
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10/06/2011 20:00	0.632	10.41	3.14
10/06/2011 21:00	0.599	10.4	3.14
10/06/2011 22:00	0.555	10.38	3.14
10/06/2011 23:00	0.505	10.4	3.14
11/06/2011 00:00	0.465	10.43	3.14
11/06/2011 01:00	0.435	10.43	3.14
11/06/2011 02:00	0.434	10.47	3.14
11/06/2011 03:00	0.455	10.49	3.15
11/06/2011 04:00	0.492	10.46	3.14
11/06/2011 05:00	0.53	10.44	3.14
11/06/2011 06:00	0.574	10.42	3.14
11/06/2011 07:00	0.614	10.4	3.14
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11/06/2011 09:00	0.633	10.41	3.14
11/06/2011 10:00	0.594	10.37	3.14
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11/06/2011 18:00	0.604	10.43	3.14
11/06/2011 19:00	0.639	10.41	3.14
11/06/2011 20:00	0.652	10.41	3.14

11/06/2011 21:00	0.645	10.42	3.14
11/06/2011 22:00	0.612	10.42	3.14
11/06/2011 23:00	0.566	10.43	3.14
12/06/2011 00:00	0.516	10.43	3.14
12/06/2011 01:00	0.474	10.43	3.14
12/06/2011 02:00	0.443	10.47	3.14
12/06/2011 03:00	0.437	10.44	3.14
12/06/2011 04:00	0.461	10.44	3.14
12/06/2011 05:00	0.495	10.48	3.14
12/06/2011 06:00	0.533	10.45	3.14
12/06/2011 07:00	0.57	10.42	3.14
12/06/2011 08:00	0.602	10.42	3.14
12/06/2011 09:00	0.622	10.4	3.14
12/06/2011 10:00	0.617	10.42	3.14
12/06/2011 11:00	0.588	10.45	3.14
12/06/2011 12:00	0.552	10.45	3.14
12/06/2011 13:00	0.518	10.42	3.14
12/06/2011 14:00	0.483	10.47	3.14
12/06/2011 15:00	0.474	10.47	3.14
12/06/2011 16:00	0.487	10.44	3.14
12/06/2011 17:00	0.519	10.48	3.14
12/06/2011 18:00	0.559	10.44	3.14
12/06/2011 19:00	0.603	10.43	3.14
12/06/2011 20:00	0.637	10.42	3.14
12/06/2011 21:00	0.651	10.41	3.14
12/06/2011 22:00	0.647	10.39	3.14
12/06/2011 23:00	0.615	10.39	3.14
13/06/2011 00:00	0.563	10.42	3.14
13/06/2011 01:00	0.518	10.41	3.14
13/06/2011 02:00	0.466	10.43	3.14
13/06/2011 03:00	0.434	10.43	3.14
13/06/2011 04:00	0.421	10.44	3.14
13/06/2011 05:00	0.438	10.44	3.14
13/06/2011 06:00	0.47	10.44	3.14
13/06/2011 07:00	0.512	10.43	3.14
13/06/2011 08:00	0.562	10.41	3.14
13/06/2011 09:00	0.604	10.44	3.14
13/06/2011 10:00	0.628	10.4	3.14
13/06/2011 11:00	0.615	10.42	3.14
13/06/2011 12:00	0.577	10.42	3.14
13/06/2011 13:00	0.538	10.42	3.14
13/06/2011 14:00	0.493	10.39	3.14
13/06/2011 15:00	0.455	10.4	3.14
13/06/2011 16:00	0.445	10.47	3.14
13/06/2011 17:00	0.461	10.47	3.14
13/06/2011 18:00	0.493	10.44	3.14
13/06/2011 19:00	0.546	10.42	3.14
13/06/2011 20:00	0.6	10.45	3.14
13/06/2011 21:00	0.64	10.43	3.14
13/06/2011 22:00	0.666	10.44	3.14
13/06/2011 23:00	0.668	10.41	3.14
14/06/2011 00:00	0.637	10.41	3.14
14/06/2011 01:00	0.593	10.42	3.14
14/06/2011 02:00	0.544	10.42	3.14
14/06/2011 03:00	0.499	10.44	3.14
14/06/2011 04:00	0.465	10.5	3.14
14/06/2011 05:00	0.467	10.46	3.14
14/06/2011 06:00	0.494	10.52	3.14
14/06/2011 07:00	0.528	10.47	3.14

14/06/2011 08:00	0.563	10.45	3.14
14/06/2011 09:00	0.606	10.44	3.14
14/06/2011 10:00	0.642	10.47	3.14
14/06/2011 11:00	0.658	10.44	3.14
14/06/2011 12:00	0.651	10.44	3.14
14/06/2011 13:00	0.611	10.41	3.13
14/06/2011 14:00	0.56	10.44	3.14
14/06/2011 15:00	0.511	10.41	3.13
14/06/2011 16:00	0.471	10.44	3.14
14/06/2011 17:00	0.454	10.45	3.14
14/06/2011 18:00	0.475	10.44	3.14
14/06/2011 19:00	0.519	10.45	3.14
14/06/2011 20:00	0.567	10.47	3.14
14/06/2011 21:00	0.611	10.45	3.14
14/06/2011 22:00	0.651	10.43	3.14
14/06/2011 23:00	0.67	10.42	3.14
15/06/2011 00:00	0.673	10.42	3.14
15/06/2011 01:00	0.643	10.43	3.14
15/06/2011 02:00	0.588	10.42	3.14
15/06/2011 03:00	0.536	10.46	3.14
15/06/2011 04:00	0.488	10.44	3.14
15/06/2011 05:00	0.454	10.45	3.14
15/06/2011 06:00	0.456	10.44	3.14
15/06/2011 07:00	0.485	10.46	3.14
15/06/2011 08:00	0.519	10.44	3.14
15/06/2011 09:00	0.559	10.48	3.14
15/06/2011 10:00	0.6	10.44	3.14
15/06/2011 11:00	0.626	10.42	3.14
15/06/2011 12:00	0.64	10.42	3.14
15/06/2011 13:00	0.626	10.41	3.14
15/06/2011 14:00	0.581	10.43	3.14
15/06/2011 15:00	0.531	10.47	3.14
15/06/2011 16:00	0.481	10.43	3.14
15/06/2011 17:00	0.443	10.46	3.14
15/06/2011 18:00	0.429	10.46	3.14
15/06/2011 19:00	0.465	10.44	3.14
15/06/2011 20:00	0.507	10.45	3.14
15/06/2011 21:00	0.552	10.45	3.14
15/06/2011 22:00	0.605	10.45	3.14
15/06/2011 23:00	0.651	10.44	3.14
16/06/2011 00:00	0.676	10.45	3.14
16/06/2011 01:00	0.678	10.41	3.14
16/06/2011 02:00	0.645	10.43	3.14
16/06/2011 03:00	0.593	10.46	3.14
16/06/2011 04:00	0.541	10.44	3.14
16/06/2011 05:00	0.493	10.47	3.14
16/06/2011 06:00	0.47	10.47	3.14
16/06/2011 07:00	0.491	10.45	3.14
16/06/2011 08:00	0.519	10.46	3.14
16/06/2011 09:00	0.551	10.46	3.14
16/06/2011 10:00	0.605	10.44	3.14
16/06/2011 11:00	0.648	10.45	3.14
16/06/2011 12:00	0.677	10.44	3.14
16/06/2011 13:00	0.69	10.42	3.14
16/06/2011 14:00	0.671	10.44	3.14
16/06/2011 15:00	0.625	10.43	3.14
16/06/2011 16:00	0.565	10.43	3.14
16/06/2011 17:00	0.507	10.43	3.14
16/06/2011 18:00	0.455	10.45	3.14

16/06/2011 19:00	0.461	10.45	3.14
16/06/2011 20:00	0.499	10.45	3.14
16/06/2011 21:00	0.541	10.48	3.14
16/06/2011 22:00	0.582	10.46	3.14
16/06/2011 23:00	0.634	10.46	3.14
17/06/2011 00:00	0.674	10.46	3.14
17/06/2011 01:00	0.7	10.44	3.14
17/06/2011 02:00	0.689	10.44	3.14
17/06/2011 03:00	0.647	10.44	3.14
17/06/2011 04:00	0.593	10.47	3.14
17/06/2011 05:00	0.544	10.46	3.14
17/06/2011 06:00	0.5	10.47	3.14
17/06/2011 07:00	0.479	10.5	3.14
17/06/2011 08:00	0.5	10.49	3.14
17/06/2011 09:00	0.534	10.45	3.14
17/06/2011 10:00	0.583	10.46	3.14
17/06/2011 11:00	0.636	10.46	3.14
17/06/2011 12:00	0.674	10.44	3.14
17/06/2011 13:00	0.684	10.44	3.14
17/06/2011 14:00	0.686	10.45	3.14
17/06/2011 15:00	0.658	10.45	3.14
17/06/2011 16:00	0.611	10.43	3.14
17/06/2011 17:00	0.554	10.45	3.14
17/06/2011 18:00	0.501	10.46	3.14
17/06/2011 19:00	0.461	10.46	3.14
17/06/2011 20:00	0.461	10.46	3.14
17/06/2011 21:00	0.493	10.49	3.14
17/06/2011 22:00	0.54	10.46	3.14
17/06/2011 23:00	0.599	10.48	3.14
18/06/2011 00:00	0.656	10.46	3.14
18/06/2011 01:00	0.7	10.47	3.14
18/06/2011 02:00	0.723	10.45	3.14
18/06/2011 03:00	0.71	10.45	3.14
18/06/2011 04:00	0.66	10.45	3.14
18/06/2011 05:00	0.609	10.44	3.14
18/06/2011 06:00	0.559	10.48	3.14
18/06/2011 07:00	0.522	10.5	3.14
18/06/2011 08:00	0.522	10.48	3.14
18/06/2011 09:00	0.551	10.47	3.14
18/06/2011 10:00	0.587	10.47	3.14
18/06/2011 11:00	0.627	10.46	3.14
18/06/2011 12:00	0.683	10.45	3.14
18/06/2011 13:00	0.725	10.47	3.14
18/06/2011 14:00	0.727	10.46	3.14
18/06/2011 15:00	0.71	10.46	3.14
18/06/2011 16:00	0.664	10.45	3.14
18/06/2011 17:00	0.608	10.47	3.14
18/06/2011 18:00	0.559	10.44	3.14
18/06/2011 19:00	0.513	10.52	3.14
18/06/2011 20:00	0.486	10.5	3.14
18/06/2011 21:00	0.501	10.51	3.14
18/06/2011 22:00	0.535	10.48	3.14
18/06/2011 23:00	0.578	10.47	3.14
19/06/2011 00:00	0.629	10.44	3.14
19/06/2011 01:00	0.68	10.47	3.14
19/06/2011 02:00	0.724	10.48	3.14
19/06/2011 03:00	0.739	10.45	3.14
19/06/2011 04:00	0.711	10.47	3.14
19/06/2011 05:00	0.668	10.45	3.14

19/06/2011 06:00	0.623	10.44	3.14
19/06/2011 07:00	0.579	10.48	3.14
19/06/2011 08:00	0.552	10.46	3.14
19/06/2011 09:00	0.562	10.52	3.14
19/06/2011 10:00	0.596	10.5	3.14
19/06/2011 11:00	0.636	10.47	3.14
19/06/2011 12:00	0.686	10.49	3.14
19/06/2011 13:00	0.726	10.49	3.14
19/06/2011 14:00	0.747	10.48	3.14
19/06/2011 15:00	0.747	10.47	3.14
19/06/2011 16:00	0.718	10.45	3.14
19/06/2011 17:00	0.671	10.48	3.14
19/06/2011 18:00	0.61	10.47	3.14
19/06/2011 19:00	0.554	10.46	3.14
19/06/2011 20:00	0.51	10.48	3.14
19/06/2011 21:00	0.489	10.5	3.14
19/06/2011 22:00	0.507	10.49	3.14
19/06/2011 23:00	0.538	10.47	3.14
20/06/2011 00:00	0.582	10.46	3.14
20/06/2011 01:00	0.63	10.47	3.14
20/06/2011 02:00	0.671	10.48	3.14
20/06/2011 03:00	0.702	10.49	3.14
20/06/2011 04:00	0.709	10.47	3.14
20/06/2011 05:00	0.672	10.46	3.14
20/06/2011 06:00	0.624	10.46	3.14
20/06/2011 07:00	0.574	10.46	3.14
20/06/2011 08:00	0.527	10.49	3.14
20/06/2011 09:00	0.514	10.52	3.14
20/06/2011 10:00	0.541	10.51	3.14
20/06/2011 11:00	0.579	10.49	3.14
20/06/2011 12:00	0.624	10.48	3.14
20/06/2011 13:00	0.667	10.47	3.14
20/06/2011 14:00	0.707	10.48	3.14
20/06/2011 15:00	0.718	10.47	3.14
20/06/2011 16:00	0.713	10.5	3.15
20/06/2011 17:00	0.689	10.49	3.15
20/06/2011 18:00	0.636	10.46	3.14
20/06/2011 19:00	0.586	10.45	3.14
20/06/2011 20:00	0.536	10.46	3.14
20/06/2011 21:00	0.493	10.46	3.14
20/06/2011 22:00	0.479	10.46	3.14
20/06/2011 23:00	0.497	10.46	3.14
21/06/2011 00:00	0.527	10.47	3.14
21/06/2011 01:00	0.573	10.46	3.14
21/06/2011 02:00	0.619	10.48	3.14
21/06/2011 03:00	0.667	10.47	3.14
21/06/2011 04:00	0.697	10.47	3.14
21/06/2011 05:00	0.69	10.45	3.14
21/06/2011 06:00	0.651	10.47	3.14
21/06/2011 07:00	0.607	10.47	3.14
21/06/2011 08:00	0.562	10.46	3.14
21/06/2011 09:00	0.528	10.46	3.14
21/06/2011 10:00	0.521	10.46	3.14
21/06/2011 11:00	0.549	10.46	3.14
21/06/2011 12:00	0.579	10.47	3.14
21/06/2011 13:00	0.627	10.48	3.14
21/06/2011 14:00	0.671	10.47	3.14
21/06/2011 15:00	0.701	10.48	3.14
21/06/2011 16:00	0.707	10.47	3.14

21/06/2011 17:00	0.692	10.47	3.14
21/06/2011 18:00	0.654	10.46	3.14
21/06/2011 19:00	0.606	10.48	3.14
21/06/2011 20:00	0.558	10.48	3.14
21/06/2011 21:00	0.51	10.53	3.15
21/06/2011 22:00	0.48	10.49	3.14
21/06/2011 23:00	0.479	10.48	3.14
22/06/2011 00:00	0.5	10.48	3.14
22/06/2011 01:00	0.535	10.48	3.14
22/06/2011 02:00	0.577	10.47	3.14
22/06/2011 03:00	0.62	10.47	3.14
22/06/2011 04:00	0.661	10.47	3.14
22/06/2011 05:00	0.683	10.49	3.14
22/06/2011 06:00	0.659	10.49	3.14
22/06/2011 07:00	0.621	10.48	3.14
22/06/2011 08:00	0.577	10.48	3.14
22/06/2011 09:00	0.541	10.47	3.14
22/06/2011 10:00	0.518	10.46	3.14
22/06/2011 11:00	0.531	10.49	3.14
22/06/2011 12:00	0.562	10.5	3.14
22/06/2011 13:00	0.594	10.49	3.14
22/06/2011 14:00	0.629	10.48	3.14
22/06/2011 15:00	0.673	10.48	3.14
22/06/2011 16:00	0.7	10.48	3.14
22/06/2011 17:00	0.705	10.49	3.14
22/06/2011 18:00	0.68	10.48	3.14
22/06/2011 19:00	0.644	10.48	3.14
22/06/2011 20:00	0.598	10.48	3.14
22/06/2011 21:00	0.555	10.48	3.14
22/06/2011 22:00	0.523	10.51	3.14
22/06/2011 23:00	0.502	10.5	3.14
23/06/2011 00:00	0.508	10.5	3.14
23/06/2011 01:00	0.529	10.5	3.13
23/06/2011 02:00	0.569	10.5	3.13
23/06/2011 03:00	0.611	10.48	3.13
23/06/2011 04:00	0.653	10.49	3.13
23/06/2011 05:00	0.689	10.49	3.13
23/06/2011 06:00	0.691	10.48	3.13
23/06/2011 07:00	0.668	10.48	3.13
23/06/2011 08:00	0.632	10.48	3.13
23/06/2011 09:00	0.598	10.48	3.13
23/06/2011 10:00	0.565	10.47	3.13
23/06/2011 11:00	0.548	10.5	3.13
23/06/2011 12:00	0.567	10.5	3.13
23/06/2011 13:00	0.59	10.49	3.12
23/06/2011 14:00	0.632	10.48	3.12
23/06/2011 15:00	0.663	10.48	3.12
23/06/2011 16:00	0.693	10.48	3.12
23/06/2011 17:00	0.705	10.49	3.12
23/06/2011 18:00	0.709	10.49	3.12
23/06/2011 19:00	0.689	10.48	3.12
23/06/2011 20:00	0.651	10.48	3.12
23/06/2011 21:00	0.608	10.48	3.12
23/06/2011 22:00	0.566	10.49	3.12
23/06/2011 23:00	0.532	10.52	3.13
24/06/2011 00:00	0.516	10.51	3.12
24/06/2011 01:00	0.515	10.51	3.12
24/06/2011 02:00	0.536	10.51	3.12
24/06/2011 03:00	0.564	10.5	3.12

24/06/2011 04:00	0.604	10.5	3.12
24/06/2011 05:00	0.641	10.49	3.12
24/06/2011 06:00	0.669	10.49	3.12
24/06/2011 07:00	0.675	10.49	3.12
24/06/2011 08:00	0.65	10.49	3.12
24/06/2011 09:00	0.612	10.49	3.12
24/06/2011 10:00	0.58	10.49	3.12
24/06/2011 11:00	0.554	10.48	3.12
24/06/2011 12:00	0.544	10.49	3.12
24/06/2011 13:00	0.553	10.52	3.12
24/06/2011 14:00	0.58	10.5	3.12
24/06/2011 15:00	0.607	10.49	3.12
24/06/2011 16:00	0.638	10.49	3.12
24/06/2011 17:00	0.677	10.49	3.12
24/06/2011 18:00	0.698	10.49	3.12
24/06/2011 19:00	0.7	10.49	3.12
24/06/2011 20:00	0.678	10.5	3.12
24/06/2011 21:00	0.639	10.49	3.12
24/06/2011 22:00	0.599	10.49	3.12
24/06/2011 23:00	0.554	10.51	3.12
25/06/2011 00:00	0.52	10.52	3.12
25/06/2011 01:00	0.505	10.52	3.12
25/06/2011 02:00	0.503	10.51	3.11
25/06/2011 03:00	0.525	10.51	3.11
25/06/2011 04:00	0.555	10.51	3.11
25/06/2011 05:00	0.596	10.51	3.11
25/06/2011 06:00	0.633	10.5	3.11
25/06/2011 07:00	0.66	10.5	3.11
25/06/2011 08:00	0.661	10.49	3.11
25/06/2011 09:00	0.637	10.49	3.11
25/06/2011 10:00	0.608	10.5	3.11
25/06/2011 11:00	0.574	10.49	3.11
25/06/2011 12:00	0.542	10.5	3.11
25/06/2011 13:00	0.525	10.5	3.11
25/06/2011 14:00	0.523	10.52	3.11
25/06/2011 15:00	0.542	10.51	3.11
25/06/2011 16:00	0.571	10.51	3.11
25/06/2011 17:00	0.607	10.5	3.11
25/06/2011 18:00	0.64	10.49	3.11
25/06/2011 19:00	0.662	10.49	3.11
25/06/2011 20:00	0.668	10.5	3.11
25/06/2011 21:00	0.645	10.5	3.11
25/06/2011 22:00	0.615	10.5	3.11
25/06/2011 23:00	0.578	10.5	3.11
26/06/2011 00:00	0.545	10.53	3.11
26/06/2011 01:00	0.519	10.52	3.11
26/06/2011 02:00	0.505	10.53	3.1
26/06/2011 03:00	0.51	10.53	3.1
26/06/2011 04:00	0.538	10.52	3.1
26/06/2011 05:00	0.574	10.51	3.1
26/06/2011 06:00	0.612	10.51	3.1
26/06/2011 07:00	0.639	10.51	3.1
26/06/2011 08:00	0.662	10.5	3.1
26/06/2011 09:00	0.668	10.5	3.1
26/06/2011 10:00	0.658	10.5	3.1
26/06/2011 11:00	0.629	10.5	3.1
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26/06/2011 13:00	0.572	10.5	3.1
26/06/2011 14:00	0.551	10.53	3.1

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26/06/2011 16:00	0.567	10.52	3.1
26/06/2011 17:00	0.597	10.5	3.09
26/06/2011 18:00	0.634	10.5	3.09
26/06/2011 19:00	0.66	10.5	3.09
26/06/2011 20:00	0.677	10.51	3.1
26/06/2011 21:00	0.676	10.51	3.1
26/06/2011 22:00	0.66	10.5	3.1
26/06/2011 23:00	0.624	10.51	3.1
27/06/2011 00:00	0.591	10.5	3.1
27/06/2011 01:00	0.549	10.52	3.1
27/06/2011 02:00	0.523	10.53	3.1
27/06/2011 03:00	0.509	10.52	3.09
27/06/2011 04:00	0.507	10.52	3.09
27/06/2011 05:00	0.53	10.52	3.08
27/06/2011 06:00	0.563	10.52	3.08
27/06/2011 07:00	0.599	10.51	3.08
27/06/2011 08:00	0.628	10.51	3.08
27/06/2011 09:00	0.657	10.51	3.08
27/06/2011 10:00	0.671	10.51	3.08
27/06/2011 11:00	0.653	10.51	3.08
27/06/2011 12:00	0.626	10.5	3.08
27/06/2011 13:00	0.594	10.5	3.08
27/06/2011 14:00	0.562	10.51	3.09
27/06/2011 15:00	0.541	10.52	3.09
27/06/2011 16:00	0.547	10.54	3.09

END OF DATA FILE OF DATALOGGER FOR WINDOWS

_K4976_110715104143.CSV

Data file for DataLogger.

=====

COMPANY : <Company name>

COMP.STATUS: Done

DATE : 15/07/2011

TIME : 10:42:15

FILENAME : C:\Documents and Settings\All Users\Application Data\DiverOffice\Sizewell\CSV\pz2009_19_

CREATED BY : SWS Diver-Office 4.0.76.0

===== BEGINNING OF DATA =====

[Logger settings]

Instrument type =CTD-Diver=17

Status =Started =0

Serial number =..00-K4975 317.

Instrument number =
=0

Location =pz2009_19

Sample period =M60

Sample method =T

Number of channels =3

[Channel 1]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm

Range =120.00 mS/cm

[Series settings]

Serial number =..00-K4975 317.

Instrument number =

Location =pz2009_19

Sample period =00 00:60:00 0

Sample method =T

Start date / time =00:00:06 09/04/11

End date / time =00:00:10 29/06/11

[Channel 1 from data header]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2 from data header]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3 from data header]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm
Range =120.00 mS/cm

[Data]

1949

Date/time	Water head[m]	Temperature[°C]	1:Conductivity[mS/cm]
09/04/2011 06:00	0.67	10.27	0.19
09/04/2011 07:00	0.668	10.27	0.19
09/04/2011 08:00	0.66	10.26	0.19
09/04/2011 09:00	0.656	10.26	0.19
09/04/2011 10:00	0.652	10.25	0.19
09/04/2011 11:00	0.652	10.27	0.19
09/04/2011 12:00	0.65	10.27	0.19
09/04/2011 13:00	0.65	10.27	0.19
09/04/2011 14:00	0.654	10.27	0.19
09/04/2011 15:00	0.655	10.26	0.19
09/04/2011 16:00	0.659	10.26	0.19
09/04/2011 17:00	0.664	10.26	0.19
09/04/2011 18:00	0.668	10.27	0.19
09/04/2011 19:00	0.668	10.27	0.19
09/04/2011 20:00	0.667	10.27	0.19
09/04/2011 21:00	0.665	10.27	0.19
09/04/2011 22:00	0.661	10.27	0.19
09/04/2011 23:00	0.664	10.26	0.19
10/04/2011 00:00	0.66	10.26	0.19
10/04/2011 01:00	0.663	10.26	0.19
10/04/2011 02:00	0.665	10.27	0.19
10/04/2011 03:00	0.664	10.26	0.19
10/04/2011 04:00	0.665	10.26	0.19
10/04/2011 05:00	0.664	10.27	0.19
10/04/2011 06:00	0.664	10.28	0.19
10/04/2011 07:00	0.659	10.26	0.19
10/04/2011 08:00	0.652	10.27	0.19
10/04/2011 09:00	0.647	10.26	0.19
10/04/2011 10:00	0.645	10.26	0.19
10/04/2011 11:00	0.645	10.26	0.19
10/04/2011 12:00	0.645	10.27	0.19
10/04/2011 13:00	0.645	10.26	0.19
10/04/2011 14:00	0.645	10.27	0.19
10/04/2011 15:00	0.651	10.26	0.19
10/04/2011 16:00	0.654	10.26	0.19
10/04/2011 17:00	0.655	10.27	0.19
10/04/2011 18:00	0.661	10.26	0.19
10/04/2011 19:00	0.66	10.26	0.19
10/04/2011 20:00	0.662	10.27	0.19
10/04/2011 21:00	0.66	10.26	0.19
10/04/2011 22:00	0.659	10.27	0.19
10/04/2011 23:00	0.656	10.27	0.19
11/04/2011 00:00	0.656	10.26	0.19
11/04/2011 01:00	0.657	10.26	0.19
11/04/2011 02:00	0.655	10.27	0.19
11/04/2011 03:00	0.654	10.26	0.19
11/04/2011 04:00	0.657	10.26	0.19
11/04/2011 05:00	0.661	10.27	0.19
11/04/2011 06:00	0.659	10.26	0.19
11/04/2011 07:00	0.659	10.26	0.19
11/04/2011 08:00	0.652	10.27	0.19
11/04/2011 09:00	0.649	10.26	0.19

11/04/2011 10:00	0.646	10.27	0.19
11/04/2011 11:00	0.646	10.27	0.19
11/04/2011 12:00	0.646	10.25	0.19
11/04/2011 13:00	0.643	10.27	0.19
11/04/2011 14:00	0.646	10.27	0.19
11/04/2011 15:00	0.645	10.26	0.19
11/04/2011 16:00	0.653	10.26	0.19
11/04/2011 17:00	0.658	10.27	0.19
11/04/2011 18:00	0.66	10.27	0.19
11/04/2011 19:00	0.658	10.27	0.19
11/04/2011 20:00	0.66	10.25	0.19
11/04/2011 21:00	0.659	10.27	0.19
11/04/2011 22:00	0.656	10.26	0.19
11/04/2011 23:00	0.654	10.25	0.19
12/04/2011 00:00	0.654	10.26	0.19
12/04/2011 01:00	0.65	10.26	0.19
12/04/2011 02:00	0.651	10.26	0.19
12/04/2011 03:00	0.653	10.26	0.19
12/04/2011 04:00	0.656	10.26	0.19
12/04/2011 05:00	0.653	10.26	0.19
12/04/2011 06:00	0.656	10.27	0.19
12/04/2011 07:00	0.659	10.26	0.19
12/04/2011 08:00	0.65	10.27	0.19
12/04/2011 09:00	0.646	10.26	0.19
12/04/2011 10:00	0.643	10.27	0.19
12/04/2011 11:00	0.649	10.28	0.19
12/04/2011 12:00	0.645	10.27	0.19
12/04/2011 13:00	0.651	10.26	0.19
12/04/2011 14:00	0.645	10.25	0.19
12/04/2011 15:00	0.645	10.27	0.19
12/04/2011 16:00	0.653	10.25	0.19
12/04/2011 17:00	0.655	10.26	0.19
12/04/2011 18:00	0.659	10.26	0.19
12/04/2011 19:00	0.662	10.26	0.19
12/04/2011 20:00	0.664	10.25	0.19
12/04/2011 21:00	0.66	10.26	0.19
12/04/2011 22:00	0.66	10.27	0.19
12/04/2011 23:00	0.657	10.27	0.19
13/04/2011 00:00	0.659	10.26	0.19
13/04/2011 01:00	0.656	10.27	0.19
13/04/2011 02:00	0.652	10.26	0.19
13/04/2011 03:00	0.653	10.27	0.19
13/04/2011 04:00	0.652	10.27	0.19
13/04/2011 05:00	0.652	10.26	0.19
13/04/2011 06:00	0.652	10.26	0.19
13/04/2011 07:00	0.651	10.24	0.19
13/04/2011 08:00	0.649	10.26	0.19
13/04/2011 09:00	0.646	10.26	0.19
13/04/2011 10:00	0.645	10.26	0.19
13/04/2011 11:00	0.646	10.24	0.19
13/04/2011 12:00	0.645	10.24	0.19
13/04/2011 13:00	0.65	10.27	0.19
13/04/2011 14:00	0.649	10.28	0.19
13/04/2011 15:00	0.645	10.28	0.19
13/04/2011 16:00	0.647	10.29	0.19
13/04/2011 17:00	0.651	10.29	0.19
13/04/2011 18:00	0.651	10.29	0.19
13/04/2011 19:00	0.653	10.27	0.19
13/04/2011 20:00	0.655	10.27	0.19

13/04/2011 21:00	0.657	10.25	0.19
13/04/2011 22:00	0.656	10.23	0.19
13/04/2011 23:00	0.653	10.27	0.19
14/04/2011 00:00	0.653	10.25	0.19
14/04/2011 01:00	0.655	10.25	0.19
14/04/2011 02:00	0.649	10.24	0.19
14/04/2011 03:00	0.649	10.24	0.19
14/04/2011 04:00	0.649	10.24	0.19
14/04/2011 05:00	0.649	10.26	0.19
14/04/2011 06:00	0.649	10.24	0.19
14/04/2011 07:00	0.649	10.26	0.19
14/04/2011 08:00	0.649	10.24	0.19
14/04/2011 09:00	0.647	10.27	0.19
14/04/2011 10:00	0.646	10.24	0.19
14/04/2011 11:00	0.645	10.24	0.19
14/04/2011 12:00	0.642	10.25	0.19
14/04/2011 13:00	0.642	10.24	0.19
14/04/2011 14:00	0.639	10.24	0.19
14/04/2011 15:00	0.642	10.25	0.19
14/04/2011 16:00	0.643	10.27	0.19
14/04/2011 17:00	0.649	10.25	0.19
14/04/2011 18:00	0.653	10.25	0.19
14/04/2011 19:00	0.653	10.26	0.19
14/04/2011 20:00	0.653	10.26	0.19
14/04/2011 21:00	0.653	10.26	0.19
14/04/2011 22:00	0.656	10.26	0.19
14/04/2011 23:00	0.654	10.27	0.19
15/04/2011 00:00	0.656	10.25	0.19
15/04/2011 01:00	0.655	10.27	0.19
15/04/2011 02:00	0.651	10.26	0.19
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15/04/2011 04:00	0.645	10.27	0.19
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15/04/2011 06:00	0.647	10.26	0.19
15/04/2011 07:00	0.646	10.25	0.19
15/04/2011 08:00	0.647	10.26	0.19
15/04/2011 09:00	0.649	10.26	0.19
15/04/2011 10:00	0.647	10.25	0.19
15/04/2011 11:00	0.643	10.26	0.19
15/04/2011 12:00	0.641	10.27	0.19
15/04/2011 13:00	0.638	10.24	0.19
15/04/2011 14:00	0.638	10.26	0.19
15/04/2011 15:00	0.636	10.26	0.19
15/04/2011 16:00	0.634	10.26	0.19
15/04/2011 17:00	0.634	10.26	0.19
15/04/2011 18:00	0.643	10.25	0.19
15/04/2011 19:00	0.644	10.26	0.19
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15/04/2011 21:00	0.649	10.26	0.19
15/04/2011 22:00	0.651	10.26	0.19
15/04/2011 23:00	0.648	10.25	0.19
16/04/2011 00:00	0.655	10.25	0.19
16/04/2011 01:00	0.651	10.24	0.19
16/04/2011 02:00	0.651	10.25	0.19
16/04/2011 03:00	0.645	10.25	0.19
16/04/2011 04:00	0.644	10.26	0.19
16/04/2011 05:00	0.642	10.25	0.19
16/04/2011 06:00	0.643	10.25	0.19
16/04/2011 07:00	0.642	10.25	0.19

16/04/2011 08:00	0.639	10.26	0.19
16/04/2011 09:00	0.639	10.26	0.19
16/04/2011 10:00	0.637	10.26	0.19
16/04/2011 11:00	0.638	10.25	0.19
16/04/2011 12:00	0.638	10.26	0.19
16/04/2011 13:00	0.641	10.25	0.19
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16/04/2011 15:00	0.638	10.25	0.19
16/04/2011 16:00	0.634	10.26	0.19
16/04/2011 17:00	0.631	10.24	0.19
16/04/2011 18:00	0.632	10.25	0.19
16/04/2011 19:00	0.641	10.24	0.19
16/04/2011 20:00	0.643	10.26	0.19
16/04/2011 21:00	0.65	10.25	0.19
16/04/2011 22:00	0.652	10.25	0.19
16/04/2011 23:00	0.65	10.26	0.19
17/04/2011 00:00	0.654	10.26	0.19
17/04/2011 01:00	0.65	10.25	0.19
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17/04/2011 08:00	0.64	10.25	0.19
17/04/2011 09:00	0.633	10.24	0.19
17/04/2011 10:00	0.635	10.25	0.19
17/04/2011 11:00	0.633	10.25	0.19
17/04/2011 12:00	0.632	10.24	0.19
17/04/2011 13:00	0.633	10.26	0.19
17/04/2011 14:00	0.635	10.25	0.19
17/04/2011 15:00	0.634	10.25	0.19
17/04/2011 16:00	0.636	10.24	0.19
17/04/2011 17:00	0.634	10.24	0.19
17/04/2011 18:00	0.643	10.25	0.19
17/04/2011 19:00	0.643	10.25	0.19
17/04/2011 20:00	0.643	10.25	0.19
17/04/2011 21:00	0.646	10.25	0.19
17/04/2011 22:00	0.644	10.26	0.19
17/04/2011 23:00	0.652	10.25	0.19
18/04/2011 00:00	0.654	10.24	0.19
18/04/2011 01:00	0.648	10.25	0.19
18/04/2011 02:00	0.652	10.23	0.19
18/04/2011 03:00	0.651	10.26	0.19
18/04/2011 04:00	0.649	10.23	0.19
18/04/2011 05:00	0.647	10.26	0.19
18/04/2011 06:00	0.641	10.24	0.19
18/04/2011 07:00	0.64	10.24	0.19
18/04/2011 08:00	0.638	10.25	0.19
18/04/2011 09:00	0.633	10.23	0.19
18/04/2011 10:00	0.628	10.26	0.19
18/04/2011 11:00	0.637	10.25	0.19
18/04/2011 12:00	0.634	10.24	0.19
18/04/2011 13:00	0.636	10.24	0.19
18/04/2011 14:00	0.636	10.26	0.19
18/04/2011 15:00	0.636	10.25	0.19
18/04/2011 16:00	0.639	10.25	0.19
18/04/2011 17:00	-2.693	11.24	0
18/04/2011 18:00	0.644	10.24	0.19

18/04/2011 19:00	0.646	10.24	0.19
18/04/2011 20:00	0.644	10.25	0.19
18/04/2011 21:00	0.643	10.25	0.19
18/04/2011 22:00	0.649	10.25	0.19
18/04/2011 23:00	0.646	10.24	0.19
19/04/2011 00:00	0.65	10.25	0.19
19/04/2011 01:00	0.653	10.25	0.19
19/04/2011 02:00	0.656	10.25	0.19
19/04/2011 03:00	0.651	10.24	0.19
19/04/2011 04:00	0.65	10.25	0.19
19/04/2011 05:00	0.648	10.25	0.19
19/04/2011 06:00	0.642	10.23	0.19
19/04/2011 07:00	0.636	10.23	0.19
19/04/2011 08:00	0.633	10.23	0.19
19/04/2011 09:00	0.631	10.23	0.19
19/04/2011 10:00	0.629	10.22	0.19
19/04/2011 11:00	0.625	10.22	0.19
19/04/2011 12:00	0.628	10.24	0.19
19/04/2011 13:00	0.633	10.23	0.19
19/04/2011 14:00	0.633	10.23	0.19
19/04/2011 15:00	0.635	10.24	0.19
19/04/2011 16:00	0.635	10.24	0.19
19/04/2011 17:00	0.641	10.2	0.19
19/04/2011 18:00	0.641	10.23	0.19
19/04/2011 19:00	0.639	10.23	0.19
19/04/2011 20:00	0.64	10.21	0.19
19/04/2011 21:00	0.637	10.22	0.19
19/04/2011 22:00	0.643	10.22	0.19
19/04/2011 23:00	0.647	10.23	0.19
20/04/2011 00:00	0.645	10.21	0.19
20/04/2011 01:00	0.648	10.23	0.19
20/04/2011 02:00	0.65	10.23	0.19
20/04/2011 03:00	0.651	10.23	0.19
20/04/2011 04:00	0.651	10.23	0.19
20/04/2011 05:00	0.651	10.22	0.19
20/04/2011 06:00	0.647	10.21	0.19
20/04/2011 07:00	0.643	10.22	0.19
20/04/2011 08:00	0.634	10.23	0.19
20/04/2011 09:00	0.627	10.24	0.19
20/04/2011 10:00	0.628	10.22	0.19
20/04/2011 11:00	0.627	10.22	0.19
20/04/2011 12:00	0.641	10.2	0.19
20/04/2011 13:00	0.637	10.23	0.19
20/04/2011 14:00	0.639	10.25	0.19
20/04/2011 15:00	0.637	10.26	0.19
20/04/2011 16:00	0.646	10.24	0.19
20/04/2011 17:00	0.644	10.24	0.19
20/04/2011 18:00	0.641	10.25	0.19
20/04/2011 19:00	0.642	10.25	0.19
20/04/2011 20:00	0.637	10.26	0.19
20/04/2011 21:00	0.636	10.26	0.19
20/04/2011 22:00	0.635	10.26	0.19
20/04/2011 23:00	0.64	10.26	0.19
21/04/2011 00:00	0.64	10.24	0.19
21/04/2011 01:00	0.64	10.25	0.19
21/04/2011 02:00	0.645	10.26	0.19
21/04/2011 03:00	0.649	10.25	0.19
21/04/2011 04:00	0.647	10.24	0.19
21/04/2011 05:00	0.643	10.24	0.19

21/04/2011 06:00	0.644	10.25	0.19
21/04/2011 07:00	0.637	10.25	0.19
21/04/2011 08:00	0.634	10.26	0.19
21/04/2011 09:00	0.628	10.23	0.19
21/04/2011 10:00	0.629	10.24	0.19
21/04/2011 11:00	0.623	10.25	0.19
21/04/2011 12:00	0.625	10.26	0.19
21/04/2011 13:00	0.631	10.24	0.19
21/04/2011 14:00	0.631	10.24	0.19
21/04/2011 15:00	0.637	10.26	0.19
21/04/2011 16:00	0.64	10.26	0.19
21/04/2011 17:00	0.641	10.25	0.19
21/04/2011 18:00	0.645	10.25	0.19
21/04/2011 19:00	0.646	10.24	0.19
21/04/2011 20:00	0.64	10.23	0.19
21/04/2011 21:00	0.639	10.25	0.19
21/04/2011 22:00	0.642	10.24	0.19
21/04/2011 23:00	0.64	10.26	0.19
22/04/2011 00:00	0.64	10.25	0.19
22/04/2011 01:00	0.642	10.24	0.19
22/04/2011 02:00	0.644	10.24	0.19
22/04/2011 03:00	0.646	10.24	0.19
22/04/2011 04:00	0.644	10.24	0.19
22/04/2011 05:00	0.645	10.25	0.19
22/04/2011 06:00	0.646	10.24	0.19
22/04/2011 07:00	0.641	10.26	0.19
22/04/2011 08:00	0.638	10.23	0.19
22/04/2011 09:00	0.633	10.25	0.19
22/04/2011 10:00	0.626	10.25	0.19
22/04/2011 11:00	0.628	10.23	0.19
22/04/2011 12:00	0.626	10.24	0.19
22/04/2011 13:00	0.631	10.25	0.19
22/04/2011 14:00	0.629	10.22	0.19
22/04/2011 15:00	0.637	10.23	0.19
22/04/2011 16:00	0.641	10.23	0.19
22/04/2011 17:00	0.641	10.23	0.19
22/04/2011 18:00	0.643	10.26	0.19
22/04/2011 19:00	0.641	10.23	0.19
22/04/2011 20:00	0.645	10.26	0.19
22/04/2011 21:00	0.639	10.24	0.19
22/04/2011 22:00	0.643	10.25	0.19
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02/05/2011 17:00	0.619	10.2	0.19
02/05/2011 18:00	0.617	10.23	0.19
02/05/2011 19:00	0.621	10.21	0.19
02/05/2011 20:00	0.621	10.23	0.19
02/05/2011 21:00	0.621	10.21	0.19
02/05/2011 22:00	0.624	10.22	0.19
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03/05/2011 05:00	0.625	10.23	0.19
03/05/2011 06:00	0.621	10.21	0.19
03/05/2011 07:00	0.62	10.22	0.19
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03/05/2011 09:00	0.613	10.2	0.19
03/05/2011 10:00	0.611	10.21	0.19
03/05/2011 11:00	0.613	10.2	0.19
03/05/2011 12:00	0.615	10.23	0.19

03/05/2011 13:00	0.617	10.22	0.19
03/05/2011 14:00	0.617	10.22	0.19
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03/05/2011 16:00	0.614	10.2	0.19
03/05/2011 17:00	0.616	10.21	0.19
03/05/2011 18:00	0.617	10.2	0.19
03/05/2011 19:00	0.618	10.23	0.19
03/05/2011 20:00	0.619	10.2	0.19
03/05/2011 21:00	0.622	10.2	0.19
03/05/2011 22:00	0.626	10.22	0.19
03/05/2011 23:00	0.626	10.23	0.19
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04/05/2011 01:00	0.63	10.21	0.19
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04/05/2011 08:00	0.613	10.21	0.19
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04/05/2011 15:00	0.613	10.21	0.19
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04/05/2011 18:00	0.615	10.21	0.19
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05/05/2011 21:00	0.615	10.22	0.19
05/05/2011 22:00	0.619	10.22	0.19
05/05/2011 23:00	0.619	10.2	0.19

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06/05/2011 01:00	0.62	10.21	0.19
06/05/2011 02:00	0.621	10.21	0.19
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06/05/2011 13:00	0.604	10.21	0.19
06/05/2011 14:00	0.602	10.21	0.19
06/05/2011 15:00	0.604	10.22	0.19
06/05/2011 16:00	0.61	10.22	0.19
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06/05/2011 18:00	0.611	10.23	0.19
06/05/2011 19:00	0.614	10.2	0.19
06/05/2011 20:00	0.615	10.21	0.19
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06/05/2011 22:00	0.615	10.2	0.19
06/05/2011 23:00	0.617	10.21	0.19
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08/05/2011 05:00	0.617	10.2	0.19
08/05/2011 06:00	0.614	10.22	0.19
08/05/2011 07:00	0.614	10.23	0.19
08/05/2011 08:00	0.612	10.19	0.19
08/05/2011 09:00	0.61	10.22	0.19
08/05/2011 10:00	0.599	10.21	0.19

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08/05/2011 14:00	0.597	10.21	0.19
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23/05/2011 13:00	0.57	10.17	0.19
23/05/2011 14:00	0.568	10.16	0.19
23/05/2011 15:00	0.568	10.13	0.19
23/05/2011 16:00	0.572	10.17	0.19
23/05/2011 17:00	0.57	10.14	0.19
23/05/2011 18:00	0.569	10.17	0.19
23/05/2011 19:00	0.574	10.17	0.19
23/05/2011 20:00	0.576	10.17	0.19
23/05/2011 21:00	0.574	10.16	0.19
23/05/2011 22:00	0.58	10.18	0.19
23/05/2011 23:00	0.579	10.15	0.19
24/05/2011 00:00	0.577	10.16	0.19
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24/05/2011 03:00	0.577	10.14	0.19
24/05/2011 04:00	0.577	10.16	0.19
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24/05/2011 06:00	0.574	10.17	0.19
24/05/2011 07:00	0.569	10.16	0.19
24/05/2011 08:00	0.561	10.15	0.19
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24/05/2011 14:00	0.569	10.15	0.19
24/05/2011 15:00	0.571	10.15	0.19
24/05/2011 16:00	0.575	10.16	0.19
24/05/2011 17:00	0.582	10.14	0.19
24/05/2011 18:00	0.58	10.15	0.19
24/05/2011 19:00	0.591	10.15	0.19
24/05/2011 20:00	0.592	10.14	0.19
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25/05/2011 03:00	0.581	10.15	0.19
25/05/2011 04:00	0.58	10.11	0.19
25/05/2011 05:00	0.583	10.13	0.19
25/05/2011 06:00	0.583	10.15	0.19
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25/05/2011 08:00	0.57	10.13	0.19
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25/05/2011 14:00	0.567	10.14	0.19
25/05/2011 15:00	0.566	10.15	0.19

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26/05/2011 04:00	0.584	10.15	0.19
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26/05/2011 08:00	0.582	10.14	0.19
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26/05/2011 16:00	0.575	10.15	0.19
26/05/2011 17:00	0.573	10.13	0.19
26/05/2011 18:00	0.571	10.11	0.19
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27/05/2011 18:00	0.571	10.19	0.19
27/05/2011 19:00	0.569	10.18	0.19
27/05/2011 20:00	0.577	10.15	0.19
27/05/2011 21:00	0.575	10.17	0.19
27/05/2011 22:00	0.575	10.18	0.19
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07/06/2011 21:00	0.577	10.14	0.19
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08/06/2011 05:00	0.576	10.15	0.19
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08/06/2011 11:00	0.554	10.12	0.19
08/06/2011 12:00	0.557	10.14	0.19
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08/06/2011 20:00	0.575	10.14	0.19
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08/06/2011 22:00	0.572	10.15	0.19
08/06/2011 23:00	0.568	10.12	0.19
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09/06/2011 03:00	0.57	10.14	0.19
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09/06/2011 05:00	0.568	10.13	0.19
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09/06/2011 09:00	0.553	10.15	0.19

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10/06/2011 14:00	0.556	10.13	0.19
10/06/2011 15:00	0.553	10.15	0.19
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11/06/2011 13:00	0.553	10.14	0.19
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11/06/2011 19:00	0.564	10.13	0.19
11/06/2011 20:00	0.568	10.13	0.19

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11/06/2011 22:00	0.573	10.13	0.19
11/06/2011 23:00	0.575	10.13	0.19
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12/06/2011 05:00	0.567	10.16	0.19
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12/06/2011 07:00	0.556	10.15	0.19
12/06/2011 08:00	0.553	10.14	0.19
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14/06/2011 23:00	0.576	10.16	0.19
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15/06/2011 02:00	0.579	10.13	0.19
15/06/2011 03:00	0.577	10.14	0.19
15/06/2011 04:00	0.576	10.13	0.19
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16/06/2011 13:00	0.58	10.14	0.19
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16/06/2011 21:00	0.576	10.13	0.19
16/06/2011 22:00	0.572	10.14	0.19
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17/06/2011 20:00	0.578	10.11	0.19
17/06/2011 21:00	0.577	10.12	0.19
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17/06/2011 23:00	0.581	10.14	0.19
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18/06/2011 03:00	0.59	10.14	0.19
18/06/2011 04:00	0.589	10.12	0.19
18/06/2011 05:00	0.592	10.11	0.19
18/06/2011 06:00	0.589	10.13	0.19
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18/06/2011 11:00	0.575	10.12	0.19
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18/06/2011 15:00	0.585	10.12	0.19
18/06/2011 16:00	0.583	10.11	0.19
18/06/2011 17:00	0.582	10.12	0.19
18/06/2011 18:00	0.594	10.13	0.19
18/06/2011 19:00	0.594	10.14	0.19
18/06/2011 20:00	0.594	10.13	0.19
18/06/2011 21:00	0.596	10.1	0.19
18/06/2011 22:00	0.593	10.11	0.19
18/06/2011 23:00	0.594	10.14	0.19
19/06/2011 00:00	0.594	10.14	0.19
19/06/2011 01:00	0.595	10.13	0.19
19/06/2011 02:00	0.599	10.15	0.19
19/06/2011 03:00	0.601	10.13	0.19
19/06/2011 04:00	0.599	10.14	0.19
19/06/2011 05:00	0.603	10.13	0.19

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19/06/2011 07:00	0.599	10.15	0.19
19/06/2011 08:00	0.595	10.11	0.19
19/06/2011 09:00	0.593	10.14	0.19
19/06/2011 10:00	0.588	10.13	0.19
19/06/2011 11:00	0.582	10.14	0.19
19/06/2011 12:00	0.584	10.12	0.19
19/06/2011 13:00	0.589	10.11	0.19
19/06/2011 14:00	0.59	10.13	0.19
19/06/2011 15:00	0.597	10.15	0.19
19/06/2011 16:00	0.593	10.13	0.19
19/06/2011 17:00	0.599	10.12	0.19
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19/06/2011 19:00	0.595	10.13	0.19
19/06/2011 20:00	0.597	10.12	0.19
19/06/2011 21:00	0.599	10.14	0.19
19/06/2011 22:00	0.604	10.11	0.19
19/06/2011 23:00	0.6	10.14	0.19
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20/06/2011 07:00	0.598	10.11	0.19
20/06/2011 08:00	0.589	10.12	0.19
20/06/2011 09:00	0.584	10.1	0.19
20/06/2011 10:00	0.584	10.11	0.19
20/06/2011 11:00	0.588	10.1	0.19
20/06/2011 12:00	0.589	10.11	0.19
20/06/2011 13:00	0.59	10.11	0.19
20/06/2011 14:00	0.593	10.14	0.19
20/06/2011 15:00	0.591	10.11	0.19
20/06/2011 16:00	0.595	10.12	0.19
20/06/2011 17:00	0.601	10.13	0.19
20/06/2011 18:00	0.601	10.11	0.19
20/06/2011 19:00	0.607	10.11	0.19
20/06/2011 20:00	0.606	10.14	0.19
20/06/2011 21:00	0.604	10.11	0.19
20/06/2011 22:00	0.602	10.12	0.19
20/06/2011 23:00	0.604	10.1	0.19
21/06/2011 00:00	0.601	10.13	0.19
21/06/2011 01:00	0.603	10.14	0.19
21/06/2011 02:00	0.603	10.14	0.19
21/06/2011 03:00	0.606	10.13	0.19
21/06/2011 04:00	0.607	10.13	0.19
21/06/2011 05:00	0.61	10.11	0.19
21/06/2011 06:00	0.609	10.1	0.19
21/06/2011 07:00	0.603	10.13	0.19
21/06/2011 08:00	0.598	10.13	0.19
21/06/2011 09:00	0.595	10.14	0.19
21/06/2011 10:00	0.587	10.11	0.19
21/06/2011 11:00	0.588	10.13	0.19
21/06/2011 12:00	0.586	10.15	0.19
21/06/2011 13:00	0.593	10.11	0.19
21/06/2011 14:00	0.596	10.14	0.19
21/06/2011 15:00	0.601	10.14	0.19
21/06/2011 16:00	0.603	10.15	0.19

21/06/2011 17:00	0.603	10.15	0.19
21/06/2011 18:00	0.605	10.16	0.19
21/06/2011 19:00	0.607	10.16	0.19
21/06/2011 20:00	0.611	10.16	0.19
21/06/2011 21:00	0.61	10.16	0.19
21/06/2011 22:00	0.607	10.16	0.19
21/06/2011 23:00	0.607	10.16	0.19
22/06/2011 00:00	0.605	10.16	0.19
22/06/2011 01:00	0.607	10.16	0.19
22/06/2011 02:00	0.608	10.15	0.19
22/06/2011 03:00	0.606	10.15	0.19
22/06/2011 04:00	0.611	10.15	0.19
22/06/2011 05:00	0.61	10.15	0.19
22/06/2011 06:00	0.606	10.15	0.19
22/06/2011 07:00	0.606	10.15	0.19
22/06/2011 08:00	0.594	10.15	0.19
22/06/2011 09:00	0.594	10.16	0.19
22/06/2011 10:00	0.588	10.16	0.19
22/06/2011 11:00	0.594	10.14	0.19
22/06/2011 12:00	0.601	10.15	0.19
22/06/2011 13:00	0.601	10.14	0.19
22/06/2011 14:00	0.598	10.12	0.19
22/06/2011 15:00	0.604	10.13	0.19
22/06/2011 16:00	0.611	10.12	0.19
22/06/2011 17:00	0.605	10.13	0.19
22/06/2011 18:00	0.599	10.14	0.19
22/06/2011 19:00	0.605	10.14	0.19
22/06/2011 20:00	0.605	10.13	0.19
22/06/2011 21:00	0.604	10.12	0.19
22/06/2011 22:00	0.612	10.12	0.19
22/06/2011 23:00	0.61	10.12	0.19
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23/06/2011 01:00	0.606	10.12	0.19
23/06/2011 02:00	0.608	10.12	0.19
23/06/2011 03:00	0.612	10.12	0.19
23/06/2011 04:00	0.607	10.12	0.19
23/06/2011 05:00	0.614	10.13	0.19
23/06/2011 06:00	0.61	10.11	0.19
23/06/2011 07:00	0.606	10.14	0.19
23/06/2011 08:00	0.603	10.14	0.19
23/06/2011 09:00	0.601	10.13	0.19
23/06/2011 10:00	0.595	10.11	0.19
23/06/2011 11:00	0.593	10.13	0.19
23/06/2011 12:00	0.599	10.11	0.19
23/06/2011 13:00	0.597	10.11	0.19
23/06/2011 14:00	0.608	10.14	0.19
23/06/2011 15:00	0.603	10.13	0.19
23/06/2011 16:00	0.605	10.12	0.19
23/06/2011 17:00	0.6	10.13	0.19
23/06/2011 18:00	0.603	10.13	0.19
23/06/2011 19:00	0.608	10.13	0.19
23/06/2011 20:00	0.611	10.13	0.19
23/06/2011 21:00	0.614	10.12	0.19
23/06/2011 22:00	0.615	10.12	0.19
23/06/2011 23:00	0.613	10.14	0.19
24/06/2011 00:00	0.617	10.12	0.19
24/06/2011 01:00	0.609	10.11	0.19
24/06/2011 02:00	0.613	10.13	0.19
24/06/2011 03:00	0.607	10.13	0.19

24/06/2011 04:00	0.609	10.12	0.19
24/06/2011 05:00	0.611	10.14	0.19
24/06/2011 06:00	0.611	10.15	0.19
24/06/2011 07:00	0.611	10.14	0.19
24/06/2011 08:00	0.609	10.12	0.19
24/06/2011 09:00	0.6	10.14	0.19
24/06/2011 10:00	0.599	10.12	0.19
24/06/2011 11:00	0.595	10.12	0.19
24/06/2011 12:00	0.598	10.14	0.19
24/06/2011 13:00	0.6	10.13	0.19
24/06/2011 14:00	0.606	10.13	0.19
24/06/2011 15:00	0.602	10.12	0.19
24/06/2011 16:00	0.601	10.11	0.19
24/06/2011 17:00	0.612	10.12	0.19
24/06/2011 18:00	0.612	10.14	0.19
24/06/2011 19:00	0.616	10.14	0.19
24/06/2011 20:00	0.619	10.13	0.19
24/06/2011 21:00	0.617	10.12	0.19
24/06/2011 22:00	0.619	10.12	0.19
24/06/2011 23:00	0.619	10.12	0.19
25/06/2011 00:00	0.617	10.14	0.19
25/06/2011 01:00	0.615	10.11	0.19
25/06/2011 02:00	0.616	10.13	0.19
25/06/2011 03:00	0.616	10.13	0.19
25/06/2011 04:00	0.613	10.13	0.19
25/06/2011 05:00	0.617	10.12	0.19
25/06/2011 06:00	0.618	10.14	0.19
25/06/2011 07:00	0.619	10.14	0.19
25/06/2011 08:00	0.616	10.14	0.19
25/06/2011 09:00	0.618	10.12	0.19
25/06/2011 10:00	0.615	10.12	0.19
25/06/2011 11:00	0.609	10.15	0.19
25/06/2011 12:00	0.605	10.12	0.19
25/06/2011 13:00	0.602	10.12	0.19
25/06/2011 14:00	0.6	10.13	0.19
25/06/2011 15:00	0.599	10.12	0.19
25/06/2011 16:00	0.599	10.14	0.19
25/06/2011 17:00	0.601	10.15	0.19
25/06/2011 18:00	0.605	10.13	0.19
25/06/2011 19:00	0.604	10.13	0.19
25/06/2011 20:00	0.608	10.13	0.19
25/06/2011 21:00	0.61	10.13	0.19
25/06/2011 22:00	0.61	10.14	0.19
25/06/2011 23:00	0.611	10.12	0.19
26/06/2011 00:00	0.613	10.13	0.19
26/06/2011 01:00	0.611	10.11	0.19
26/06/2011 02:00	0.611	10.14	0.19
26/06/2011 03:00	0.61	10.11	0.19
26/06/2011 04:00	0.612	10.13	0.19
26/06/2011 05:00	0.613	10.14	0.19
26/06/2011 06:00	0.613	10.14	0.19
26/06/2011 07:00	0.607	10.13	0.19
26/06/2011 08:00	0.599	10.13	0.19
26/06/2011 09:00	0.6	10.13	0.19
26/06/2011 10:00	0.602	10.12	0.19
26/06/2011 11:00	0.599	10.12	0.19
26/06/2011 12:00	0.6	10.14	0.19
26/06/2011 13:00	0.604	10.12	0.19
26/06/2011 14:00	0.6	10.13	0.19

26/06/2011 15:00	0.6	10.12	0.19
26/06/2011 16:00	0.602	10.13	0.19
26/06/2011 17:00	0.608	10.12	0.19
26/06/2011 18:00	0.614	10.15	0.19
26/06/2011 19:00	0.616	10.11	0.19
26/06/2011 20:00	0.619	10.14	0.19
26/06/2011 21:00	0.619	10.13	0.19
26/06/2011 22:00	0.624	10.14	0.19
26/06/2011 23:00	0.619	10.12	0.19
27/06/2011 00:00	0.623	10.13	0.19
27/06/2011 01:00	0.619	10.12	0.19
27/06/2011 02:00	0.62	10.13	0.19
27/06/2011 03:00	0.617	10.12	0.19
27/06/2011 04:00	0.614	10.13	0.19
27/06/2011 05:00	0.615	10.12	0.19
27/06/2011 06:00	0.619	10.14	0.19
27/06/2011 07:00	0.611	10.12	0.19
27/06/2011 08:00	0.606	10.12	0.19
27/06/2011 09:00	0.605	10.13	0.19
27/06/2011 10:00	0.608	10.12	0.19
27/06/2011 11:00	0.606	10.1	0.19
27/06/2011 12:00	0.604	10.14	0.19
27/06/2011 13:00	0.605	10.14	0.19
27/06/2011 14:00	0.603	10.12	0.19
27/06/2011 15:00	0.599	10.14	0.19
27/06/2011 16:00	0.605	10.14	0.19
27/06/2011 17:00	0.603	10.12	0.19
27/06/2011 18:00	0.608	10.12	0.19
27/06/2011 19:00	0.612	10.13	0.19
27/06/2011 20:00	0.613	10.13	0.19
27/06/2011 21:00	0.62	10.13	0.19
27/06/2011 22:00	0.621	10.13	0.19
27/06/2011 23:00	0.624	10.12	0.19
28/06/2011 00:00	0.624	10.14	0.19
28/06/2011 01:00	0.626	10.13	0.19
28/06/2011 02:00	0.626	10.12	0.19
28/06/2011 03:00	0.622	10.1	0.19
28/06/2011 04:00	0.618	10.12	0.19
28/06/2011 05:00	0.616	10.14	0.19
28/06/2011 06:00	0.616	10.13	0.19
28/06/2011 07:00	0.612	10.12	0.19
28/06/2011 08:00	0.606	10.13	0.19
28/06/2011 09:00	0.608	10.13	0.19
28/06/2011 10:00	0.61	10.12	0.19
28/06/2011 11:00	0.608	10.11	0.19
28/06/2011 12:00	0.608	10.14	0.19
28/06/2011 13:00	0.604	10.14	0.19
28/06/2011 14:00	0.607	10.12	0.19
28/06/2011 15:00	0.606	10.13	0.19
28/06/2011 16:00	0.616	10.13	0.19
28/06/2011 17:00	0.612	10.14	0.2
28/06/2011 18:00	0.616	10.14	0.2
28/06/2011 19:00	0.625	10.13	0.2
28/06/2011 20:00	0.619	10.12	0.2
28/06/2011 21:00	0.623	10.12	0.2
28/06/2011 22:00	0.624	10.12	0.2
28/06/2011 23:00	0.629	10.12	0.2
29/06/2011 00:00	0.626	10.12	0.2
29/06/2011 01:00	0.629	10.11	0.2

29/06/2011 02:00	0.628	10.11	0.2
29/06/2011 03:00	0.625	10.1	0.2
29/06/2011 04:00	0.624	10.1	0.2
29/06/2011 05:00	0.623	10.1	0.2
29/06/2011 06:00	0.623	10.11	0.2
29/06/2011 07:00	0.623	10.11	0.2
29/06/2011 08:00	0.612	10.1	0.2
29/06/2011 09:00	0.612	10.09	0.2
29/06/2011 10:00	0.613	10.11	0.2

END OF DATA FILE OF DATALOGGER FOR WINDOWS

_K4975_110715104215.CSV

Data file for DataLogger.

=====

COMPANY : <Company name>

COMP.STATUS: Done

DATE : 15/07/2011

TIME : 10:43:05

FILENAME : C:\Documents and Settings\All Users\Application Data\DiverOffice\Sizewell\CSV\pz2009_2

CREATED BY : SWS Diver-Office 4.0.76.0

===== BEGINNING OF DATA =====

[Logger settings]

Instrument type =CTD-Diver=17

Status =Started =0

Serial number =..00-K4994 317.

Instrument number =
=0

Location =pz2009_20

Sample period =M60

Sample method =T

Number of channels =3

[Channel 1]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm

Range =120.00 mS/cm

[Series settings]

Serial number =..00-K4994 317.

Instrument number =

Location =pz2009_20

Sample period =00 00:60:00 0

Sample method =T

Start date / time =00:00:06 09/04/11

End date / time =00:00:13 29/06/11

[Channel 1 from data header]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2 from data header]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3 from data header]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm
Range =120.00 mS/cm

[Data]

1952

Date/time	Water head[m]	Temperature[°C]	1:Conductivity[mS/cm]
09/04/2011 06:00	1.17	10.51	0.36
09/04/2011 07:00	1.168	10.5	0.36
09/04/2011 08:00	1.164	10.5	0.36
09/04/2011 09:00	1.158	10.52	0.36
09/04/2011 10:00	1.159	10.47	0.36
09/04/2011 11:00	1.159	10.53	0.36
09/04/2011 12:00	1.16	10.48	0.36
09/04/2011 13:00	1.157	10.5	0.36
09/04/2011 14:00	1.16	10.52	0.36
09/04/2011 15:00	1.162	10.53	0.36
09/04/2011 16:00	1.16	10.5	0.36
09/04/2011 17:00	1.164	10.5	0.36
09/04/2011 18:00	1.171	10.54	0.36
09/04/2011 19:00	1.175	10.53	0.36
09/04/2011 20:00	1.17	10.49	0.36
09/04/2011 21:00	1.173	10.49	0.36
09/04/2011 22:00	1.171	10.49	0.36
09/04/2011 23:00	1.172	10.49	0.36
10/04/2011 00:00	1.174	10.52	0.36
10/04/2011 01:00	1.173	10.5	0.36
10/04/2011 02:00	1.175	10.49	0.36
10/04/2011 03:00	1.176	10.54	0.36
10/04/2011 04:00	1.174	10.47	0.36
10/04/2011 05:00	1.169	10.51	0.36
10/04/2011 06:00	1.169	10.49	0.36
10/04/2011 07:00	1.168	10.47	0.36
10/04/2011 08:00	1.163	10.48	0.36
10/04/2011 09:00	1.157	10.51	0.36
10/04/2011 10:00	1.156	10.45	0.36
10/04/2011 11:00	1.156	10.45	0.36
10/04/2011 12:00	1.156	10.5	0.36
10/04/2011 13:00	1.159	10.46	0.36
10/04/2011 14:00	1.156	10.46	0.36
10/04/2011 15:00	1.16	10.45	0.36
10/04/2011 16:00	1.165	10.48	0.36
10/04/2011 17:00	1.164	10.48	0.36
10/04/2011 18:00	1.172	10.48	0.36
10/04/2011 19:00	1.17	10.48	0.36
10/04/2011 20:00	1.171	10.5	0.36
10/04/2011 21:00	1.171	10.46	0.36
10/04/2011 22:00	1.172	10.47	0.36
10/04/2011 23:00	1.169	10.49	0.36
11/04/2011 00:00	1.172	10.47	0.36
11/04/2011 01:00	1.171	10.49	0.36
11/04/2011 02:00	1.17	10.49	0.36
11/04/2011 03:00	1.172	10.48	0.36
11/04/2011 04:00	1.168	10.51	0.36
11/04/2011 05:00	1.17	10.49	0.36
11/04/2011 06:00	1.171	10.51	0.36
11/04/2011 07:00	1.172	10.52	0.36
11/04/2011 08:00	1.166	10.52	0.36
11/04/2011 09:00	1.163	10.52	0.36

11/04/2011 10:00	1.16	10.48	0.36
11/04/2011 11:00	1.161	10.51	0.36
11/04/2011 12:00	1.163	10.48	0.36
11/04/2011 13:00	1.16	10.51	0.36
11/04/2011 14:00	1.161	10.47	0.36
11/04/2011 15:00	1.16	10.49	0.36
11/04/2011 16:00	1.165	10.48	0.36
11/04/2011 17:00	1.171	10.52	0.36
11/04/2011 18:00	1.169	10.46	0.36
11/04/2011 19:00	1.167	10.49	0.36
11/04/2011 20:00	1.169	10.49	0.36
11/04/2011 21:00	1.169	10.44	0.36
11/04/2011 22:00	1.17	10.44	0.36
11/04/2011 23:00	1.171	10.47	0.36
12/04/2011 00:00	1.167	10.43	0.36
12/04/2011 01:00	1.168	10.43	0.36
12/04/2011 02:00	1.166	10.45	0.36
12/04/2011 03:00	1.168	10.43	0.36
12/04/2011 04:00	1.17	10.46	0.36
12/04/2011 05:00	1.165	10.44	0.36
12/04/2011 06:00	1.168	10.43	0.36
12/04/2011 07:00	1.165	10.44	0.36
12/04/2011 08:00	1.159	10.42	0.36
12/04/2011 09:00	1.158	10.43	0.36
12/04/2011 10:00	1.155	10.45	0.36
12/04/2011 11:00	1.155	10.45	0.36
12/04/2011 12:00	1.157	10.46	0.36
12/04/2011 13:00	1.16	10.44	0.36
12/04/2011 14:00	1.156	10.45	0.36
12/04/2011 15:00	1.158	10.47	0.36
12/04/2011 16:00	1.16	10.43	0.36
12/04/2011 17:00	1.162	10.44	0.36
12/04/2011 18:00	1.164	10.43	0.36
12/04/2011 19:00	1.171	10.41	0.36
12/04/2011 20:00	1.167	10.44	0.36
12/04/2011 21:00	1.17	10.46	0.36
12/04/2011 22:00	1.166	10.49	0.36
12/04/2011 23:00	1.167	10.5	0.36
13/04/2011 00:00	1.172	10.47	0.36
13/04/2011 01:00	1.169	10.47	0.36
13/04/2011 02:00	1.167	10.47	0.36
13/04/2011 03:00	1.169	10.47	0.36
13/04/2011 04:00	1.167	10.44	0.36
13/04/2011 05:00	1.166	10.48	0.36
13/04/2011 06:00	1.163	10.51	0.36
13/04/2011 07:00	1.166	10.47	0.36
13/04/2011 08:00	1.159	10.48	0.36
13/04/2011 09:00	1.154	10.46	0.36
13/04/2011 10:00	1.156	10.47	0.36
13/04/2011 11:00	1.159	10.47	0.36
13/04/2011 12:00	1.16	10.56	0.36
13/04/2011 13:00	1.162	10.49	0.36
13/04/2011 14:00	1.163	10.45	0.36
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13/04/2011 16:00	1.166	10.48	0.36
13/04/2011 17:00	1.167	10.48	0.36
13/04/2011 18:00	1.167	10.47	0.36
13/04/2011 19:00	1.169	10.49	0.36
13/04/2011 20:00	1.166	10.51	0.36

13/04/2011 21:00	1.169	10.45	0.36
13/04/2011 22:00	1.167	10.46	0.36
13/04/2011 23:00	1.169	10.43	0.36
14/04/2011 00:00	1.172	10.47	0.36
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14/04/2011 02:00	1.166	10.45	0.36
14/04/2011 03:00	1.17	10.47	0.36
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14/04/2011 07:00	1.168	10.48	0.36
14/04/2011 08:00	1.164	10.46	0.36
14/04/2011 09:00	1.163	10.45	0.36
14/04/2011 10:00	1.16	10.43	0.36
14/04/2011 11:00	1.154	10.46	0.36
14/04/2011 12:00	1.157	10.47	0.36
14/04/2011 13:00	1.154	10.44	0.36
14/04/2011 14:00	1.154	10.46	0.36
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14/04/2011 18:00	1.168	10.48	0.36
14/04/2011 19:00	1.165	10.48	0.36
14/04/2011 20:00	1.161	10.5	0.36
14/04/2011 21:00	1.164	10.48	0.36
14/04/2011 22:00	1.164	10.45	0.36
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15/04/2011 01:00	1.164	10.46	0.36
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15/04/2011 03:00	1.162	10.46	0.36
15/04/2011 04:00	1.162	10.48	0.36
15/04/2011 05:00	1.161	10.46	0.36
15/04/2011 06:00	1.163	10.45	0.36
15/04/2011 07:00	1.159	10.51	0.36
15/04/2011 08:00	1.159	10.45	0.36
15/04/2011 09:00	1.162	10.45	0.36
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15/04/2011 11:00	1.153	10.44	0.36
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15/04/2011 15:00	1.15	10.46	0.36
15/04/2011 16:00	1.15	10.46	0.36
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15/04/2011 22:00	1.162	10.45	0.36
15/04/2011 23:00	1.158	10.42	0.36
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16/04/2011 04:00	1.159	10.46	0.36
16/04/2011 05:00	1.16	10.47	0.36
16/04/2011 06:00	1.159	10.46	0.36
16/04/2011 07:00	1.162	10.47	0.36

16/04/2011 08:00	1.158	10.47	0.36
16/04/2011 09:00	1.156	10.43	0.36
16/04/2011 10:00	1.151	10.46	0.36
16/04/2011 11:00	1.15	10.42	0.36
16/04/2011 12:00	1.149	10.47	0.36
16/04/2011 13:00	1.151	10.48	0.36
16/04/2011 14:00	1.153	10.46	0.36
16/04/2011 15:00	1.151	10.48	0.36
16/04/2011 16:00	1.148	10.46	0.36
16/04/2011 17:00	1.149	10.4	0.36
16/04/2011 18:00	1.147	10.47	0.36
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16/04/2011 20:00	1.159	10.43	0.36
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16/04/2011 23:00	1.159	10.48	0.36
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17/04/2011 03:00	1.158	10.52	0.36
17/04/2011 04:00	1.157	10.51	0.36
17/04/2011 05:00	1.163	10.5	0.36
17/04/2011 06:00	1.156	10.44	0.36
17/04/2011 07:00	1.158	10.4	0.36
17/04/2011 08:00	1.158	10.43	0.36
17/04/2011 09:00	1.151	10.43	0.36
17/04/2011 10:00	1.149	10.46	0.36
17/04/2011 11:00	1.142	10.42	0.36
17/04/2011 12:00	1.146	10.49	0.36
17/04/2011 13:00	1.144	10.41	0.36
17/04/2011 14:00	1.146	10.45	0.36
17/04/2011 15:00	1.145	10.43	0.36
17/04/2011 16:00	1.148	10.41	0.36
17/04/2011 17:00	1.148	10.45	0.36
17/04/2011 18:00	1.16	10.44	0.36
17/04/2011 19:00	1.159	10.43	0.36
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17/04/2011 22:00	1.161	10.48	0.36
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18/04/2011 10:00	1.145	10.44	0.36
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18/04/2011 15:00	1.15	10.46	0.36
18/04/2011 16:00	1.185	10.63	0.36
18/04/2011 17:00	1.19	10.53	0.36
18/04/2011 18:00	1.197	10.53	0.36

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19/04/2011 08:00	1.188	10.52	0.36
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19/04/2011 10:00	1.183	10.51	0.36
19/04/2011 11:00	1.178	10.43	0.36
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20/04/2011 10:00	1.175	10.5	0.36
20/04/2011 11:00	1.175	10.49	0.36
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20/04/2011 19:00	1.187	10.5	0.36
20/04/2011 20:00	1.186	10.48	0.36
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21/04/2011 05:00	1.188	10.51	0.36

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21/04/2011 16:00	1.182	10.49	0.36
21/04/2011 17:00	1.185	10.47	0.36
21/04/2011 18:00	1.189	10.51	0.36
21/04/2011 19:00	1.193	10.49	0.36
21/04/2011 20:00	1.187	10.49	0.36
21/04/2011 21:00	1.19	10.48	0.36
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03/05/2011 03:00	1.17	10.47	0.36
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18/05/2011 01:00	1.144	10.39	0.36
18/05/2011 02:00	1.144	10.38	0.36
18/05/2011 03:00	1.147	10.34	0.36
18/05/2011 04:00	1.146	10.42	0.36
18/05/2011 05:00	1.148	10.42	0.36
18/05/2011 06:00	1.142	10.41	0.36

18/05/2011 07:00	1.147	10.39	0.36
18/05/2011 08:00	1.142	10.39	0.36
18/05/2011 09:00	1.141	10.37	0.36
18/05/2011 10:00	1.137	10.37	0.36
18/05/2011 11:00	1.138	10.36	0.36
18/05/2011 12:00	1.135	10.4	0.36
18/05/2011 13:00	1.13	10.39	0.36
18/05/2011 14:00	1.131	10.37	0.36
18/05/2011 15:00	1.131	10.36	0.36
18/05/2011 16:00	1.132	10.36	0.36
18/05/2011 17:00	1.134	10.42	0.36
18/05/2011 18:00	1.134	10.36	0.36
18/05/2011 19:00	1.14	10.41	0.36
18/05/2011 20:00	1.144	10.35	0.36
18/05/2011 21:00	1.146	10.35	0.36
18/05/2011 22:00	1.144	10.38	0.36
18/05/2011 23:00	1.144	10.36	0.36
19/05/2011 00:00	1.142	10.36	0.36
19/05/2011 01:00	1.145	10.37	0.36
19/05/2011 02:00	1.148	10.41	0.36
19/05/2011 03:00	1.144	10.39	0.36
19/05/2011 04:00	1.146	10.39	0.36
19/05/2011 05:00	1.143	10.38	0.36
19/05/2011 06:00	1.145	10.4	0.36
19/05/2011 07:00	1.137	10.35	0.36
19/05/2011 08:00	1.13	10.37	0.36
19/05/2011 09:00	1.13	10.38	0.36
19/05/2011 10:00	1.127	10.37	0.36
19/05/2011 11:00	1.125	10.38	0.36
19/05/2011 12:00	1.13	10.37	0.36
19/05/2011 13:00	1.133	10.39	0.36
19/05/2011 14:00	1.129	10.41	0.36
19/05/2011 15:00	1.126	10.38	0.36
19/05/2011 16:00	1.129	10.38	0.36
19/05/2011 17:00	1.127	10.38	0.36
19/05/2011 18:00	1.13	10.37	0.36
19/05/2011 19:00	1.138	10.37	0.36
19/05/2011 20:00	1.14	10.35	0.36
19/05/2011 21:00	1.141	10.37	0.36
19/05/2011 22:00	1.142	10.4	0.36
19/05/2011 23:00	1.144	10.37	0.36
20/05/2011 00:00	1.144	10.41	0.36
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20/05/2011 02:00	1.141	10.4	0.36
20/05/2011 03:00	1.143	10.37	0.36
20/05/2011 04:00	1.139	10.38	0.36
20/05/2011 05:00	1.144	10.37	0.36
20/05/2011 06:00	1.144	10.38	0.36
20/05/2011 07:00	1.139	10.38	0.36
20/05/2011 08:00	1.132	10.4	0.36
20/05/2011 09:00	1.128	10.35	0.36
20/05/2011 10:00	1.126	10.37	0.36
20/05/2011 11:00	1.124	10.36	0.36
20/05/2011 12:00	1.124	10.41	0.36
20/05/2011 13:00	1.126	10.35	0.36
20/05/2011 14:00	1.124	10.35	0.36
20/05/2011 15:00	1.124	10.36	0.36
20/05/2011 16:00	1.13	10.35	0.36
20/05/2011 17:00	1.133	10.37	0.36

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20/05/2011 19:00	1.138	10.36	0.36
20/05/2011 20:00	1.143	10.34	0.36
20/05/2011 21:00	1.145	10.36	0.36
20/05/2011 22:00	1.145	10.37	0.36
20/05/2011 23:00	1.142	10.39	0.36
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21/05/2011 02:00	1.141	10.37	0.36
21/05/2011 03:00	1.144	10.37	0.36
21/05/2011 04:00	1.142	10.37	0.36
21/05/2011 05:00	1.142	10.34	0.36
21/05/2011 06:00	1.139	10.38	0.36
21/05/2011 07:00	1.132	10.36	0.36
21/05/2011 08:00	1.127	10.37	0.36
21/05/2011 09:00	1.123	10.39	0.36
21/05/2011 10:00	1.126	10.38	0.36
21/05/2011 11:00	1.126	10.39	0.36
21/05/2011 12:00	1.123	10.36	0.36
21/05/2011 13:00	1.13	10.35	0.36
21/05/2011 14:00	1.126	10.42	0.36
21/05/2011 15:00	1.125	10.35	0.36
21/05/2011 16:00	1.129	10.35	0.36
21/05/2011 17:00	1.129	10.37	0.36
21/05/2011 18:00	1.13	10.39	0.36
21/05/2011 19:00	1.137	10.39	0.36
21/05/2011 20:00	1.143	10.39	0.36
21/05/2011 21:00	1.14	10.38	0.36
21/05/2011 22:00	1.143	10.35	0.36
21/05/2011 23:00	1.141	10.39	0.36
22/05/2011 00:00	1.142	10.41	0.36
22/05/2011 01:00	1.144	10.38	0.36
22/05/2011 02:00	1.141	10.37	0.36
22/05/2011 03:00	1.141	10.38	0.36
22/05/2011 04:00	1.143	10.36	0.36
22/05/2011 05:00	1.14	10.34	0.36
22/05/2011 06:00	1.141	10.36	0.36
22/05/2011 07:00	1.138	10.38	0.36
22/05/2011 08:00	1.137	10.37	0.36
22/05/2011 09:00	1.135	10.35	0.36
22/05/2011 10:00	1.126	10.35	0.36
22/05/2011 11:00	1.124	10.39	0.36
22/05/2011 12:00	1.126	10.34	0.36
22/05/2011 13:00	1.128	10.36	0.36
22/05/2011 14:00	1.125	10.36	0.36
22/05/2011 15:00	1.128	10.4	0.36
22/05/2011 16:00	1.13	10.37	0.36
22/05/2011 17:00	1.126	10.34	0.36
22/05/2011 18:00	1.122	10.37	0.36
22/05/2011 19:00	1.132	10.31	0.36
22/05/2011 20:00	1.132	10.37	0.36
22/05/2011 21:00	1.137	10.36	0.36
22/05/2011 22:00	1.138	10.37	0.36
22/05/2011 23:00	1.135	10.34	0.36
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23/05/2011 01:00	1.136	10.36	0.36
23/05/2011 02:00	1.138	10.39	0.36
23/05/2011 03:00	1.138	10.35	0.36
23/05/2011 04:00	1.138	10.34	0.36

23/05/2011 05:00	1.132	10.35	0.36
23/05/2011 06:00	1.134	10.35	0.36
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23/05/2011 08:00	1.121	10.39	0.36
23/05/2011 09:00	1.122	10.37	0.36
23/05/2011 10:00	1.123	10.36	0.36
23/05/2011 11:00	1.122	10.38	0.36
23/05/2011 12:00	1.125	10.32	0.36
23/05/2011 13:00	1.123	10.37	0.36
23/05/2011 14:00	1.119	10.31	0.36
23/05/2011 15:00	1.118	10.39	0.36
23/05/2011 16:00	1.123	10.36	0.36
23/05/2011 17:00	1.119	10.39	0.36
23/05/2011 18:00	1.121	10.32	0.36
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23/05/2011 20:00	1.13	10.38	0.36
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23/05/2011 22:00	1.136	10.38	0.36
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24/05/2011 04:00	1.134	10.3	0.36
24/05/2011 05:00	1.131	10.33	0.36
24/05/2011 06:00	1.13	10.31	0.36
24/05/2011 07:00	1.128	10.36	0.36
24/05/2011 08:00	1.119	10.34	0.36
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24/05/2011 10:00	1.118	10.36	0.36
24/05/2011 11:00	1.111	10.76	0.36
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24/05/2011 14:00	1.122	10.41	0.36
24/05/2011 15:00	1.119	10.36	0.36
24/05/2011 16:00	1.119	10.39	0.36
24/05/2011 17:00	1.127	10.39	0.36
24/05/2011 18:00	1.125	10.37	0.36
24/05/2011 19:00	1.135	10.38	0.36
24/05/2011 20:00	1.137	10.38	0.36
24/05/2011 21:00	1.136	10.38	0.36
24/05/2011 22:00	1.138	10.37	0.36
24/05/2011 23:00	1.138	10.36	0.36
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25/05/2011 03:00	1.134	10.36	0.35
25/05/2011 04:00	1.134	10.36	0.36
25/05/2011 05:00	1.135	10.37	0.36
25/05/2011 06:00	1.134	10.37	0.36
25/05/2011 07:00	1.125	10.37	0.36
25/05/2011 08:00	1.12	10.37	0.36
25/05/2011 09:00	1.117	10.38	0.36
25/05/2011 10:00	1.122	10.4	0.36
25/05/2011 11:00	1.118	10.38	0.36
25/05/2011 12:00	1.119	10.37	0.36
25/05/2011 13:00	1.117	10.39	0.36
25/05/2011 14:00	1.12	10.36	0.36
25/05/2011 15:00	1.116	10.38	0.36

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25/05/2011 17:00	1.121	10.36	0.36
25/05/2011 18:00	1.123	10.37	0.36
25/05/2011 19:00	1.132	10.37	0.36
25/05/2011 20:00	1.138	10.39	0.36
25/05/2011 21:00	1.135	10.37	0.36
25/05/2011 22:00	1.137	10.38	0.36
25/05/2011 23:00	1.134	10.36	0.36
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26/05/2011 07:00	1.137	10.35	0.36
26/05/2011 08:00	1.134	10.37	0.36
26/05/2011 09:00	1.125	10.39	0.36
26/05/2011 10:00	1.125	10.38	0.36
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26/05/2011 13:00	1.118	10.38	0.36
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26/05/2011 18:00	1.118	10.37	0.36
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26/05/2011 20:00	1.13	10.37	0.36
26/05/2011 21:00	1.132	10.37	0.36
26/05/2011 22:00	1.134	10.35	0.36
26/05/2011 23:00	1.135	10.38	0.36
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27/05/2011 08:00	1.12	10.36	0.36
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27/05/2011 11:00	1.105	10.43	0.36
27/05/2011 12:00	1.102	10.43	0.36
27/05/2011 13:00	1.104	10.4	0.36
27/05/2011 14:00	1.105	10.4	0.36
27/05/2011 15:00	1.104	10.42	0.35
27/05/2011 16:00	1.103	10.41	0.35
27/05/2011 17:00	1.11	10.42	0.35
27/05/2011 18:00	1.107	10.4	0.35
27/05/2011 19:00	1.104	10.36	0.35
27/05/2011 20:00	1.108	10.38	0.35
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28/05/2011 02:00	1.107	10.37	0.35

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28/05/2011 05:00	1.107	10.39	0.35
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28/05/2011 10:00	1.098	10.4	0.35
28/05/2011 11:00	1.096	10.39	0.35
28/05/2011 12:00	1.094	10.35	0.35
28/05/2011 13:00	1.099	10.36	0.35
28/05/2011 14:00	1.103	10.37	0.35
28/05/2011 15:00	1.103	10.38	0.35
28/05/2011 16:00	1.1	10.38	0.35
28/05/2011 17:00	1.099	10.39	0.35
28/05/2011 18:00	1.096	10.39	0.35
28/05/2011 19:00	1.105	10.39	0.35
28/05/2011 20:00	1.106	10.4	0.35
28/05/2011 21:00	1.104	10.38	0.35
28/05/2011 22:00	1.104	10.39	0.35
28/05/2011 23:00	1.106	10.37	0.35
29/05/2011 00:00	1.11	10.36	0.35
29/05/2011 01:00	1.109	10.4	0.35
29/05/2011 02:00	1.11	10.39	0.35
29/05/2011 03:00	1.106	10.38	0.35
29/05/2011 04:00	1.108	10.38	0.35
29/05/2011 05:00	1.11	10.41	0.35
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29/05/2011 07:00	1.103	10.39	0.35
29/05/2011 08:00	1.102	10.42	0.35
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29/05/2011 10:00	1.096	10.4	0.35
29/05/2011 11:00	1.093	10.39	0.35
29/05/2011 12:00	1.096	10.38	0.35
29/05/2011 13:00	1.094	10.36	0.35
29/05/2011 14:00	1.098	10.36	0.35
29/05/2011 15:00	1.092	10.35	0.35
29/05/2011 16:00	1.105	10.33	0.35
29/05/2011 17:00	1.104	10.39	0.35
29/05/2011 18:00	1.102	10.37	0.35
29/05/2011 19:00	1.105	10.35	0.35
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29/05/2011 22:00	1.102	10.37	0.35
29/05/2011 23:00	1.107	10.39	0.35
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30/05/2011 09:00	1.094	10.39	0.35
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30/05/2011 20:00	1.104	10.36	0.35
30/05/2011 21:00	1.109	10.37	0.35
30/05/2011 22:00	1.106	10.32	0.35
30/05/2011 23:00	1.103	10.38	0.35
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31/05/2011 07:00	1.102	10.38	0.35
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31/05/2011 17:00	1.105	10.37	0.35
31/05/2011 18:00	1.107	10.35	0.35
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01/06/2011 05:00	1.101	10.42	0.35
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01/06/2011 13:00	1.095	10.4	0.35
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01/06/2011 15:00	1.097	10.42	0.35
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01/06/2011 17:00	1.1	10.41	0.35
01/06/2011 18:00	1.1	10.42	0.35
01/06/2011 19:00	1.099	10.42	0.35
01/06/2011 20:00	1.105	10.4	0.35
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01/06/2011 22:00	1.103	10.41	0.35
01/06/2011 23:00	1.105	10.4	0.35
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02/06/2011 09:00	1.087	10.41	0.35
02/06/2011 10:00	1.092	10.41	0.35
02/06/2011 11:00	1.089	10.4	0.35
02/06/2011 12:00	1.091	10.38	0.35
02/06/2011 13:00	1.091	10.41	0.35
02/06/2011 14:00	1.089	10.39	0.35
02/06/2011 15:00	1.088	10.41	0.35
02/06/2011 16:00	1.089	10.41	0.35
02/06/2011 17:00	1.09	10.41	0.35
02/06/2011 18:00	1.111	10.46	0.36
02/06/2011 19:00	1.117	10.39	0.36
02/06/2011 20:00	1.116	10.43	0.36
02/06/2011 21:00	1.119	10.4	0.36
02/06/2011 22:00	1.12	10.41	0.36
02/06/2011 23:00	1.12	10.42	0.36
03/06/2011 00:00	1.12	10.41	0.36
03/06/2011 01:00	1.121	10.41	0.36
03/06/2011 02:00	1.119	10.39	0.35
03/06/2011 03:00	1.119	10.38	0.35
03/06/2011 04:00	1.122	10.4	0.35
03/06/2011 05:00	1.123	10.43	0.35
03/06/2011 06:00	1.117	10.39	0.35
03/06/2011 07:00	1.118	10.4	0.35
03/06/2011 08:00	1.116	10.39	0.35
03/06/2011 09:00	1.12	10.39	0.35
03/06/2011 10:00	1.118	10.4	0.35
03/06/2011 11:00	1.113	10.41	0.35
03/06/2011 12:00	1.112	10.41	0.35
03/06/2011 13:00	1.107	10.41	0.35
03/06/2011 14:00	1.107	10.4	0.35
03/06/2011 15:00	1.107	10.42	0.36
03/06/2011 16:00	1.106	10.42	0.35
03/06/2011 17:00	1.106	10.4	0.35
03/06/2011 18:00	1.109	10.43	0.35
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03/06/2011 20:00	1.119	10.42	0.35
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03/06/2011 22:00	1.123	10.41	0.35
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04/06/2011 01:00	1.122	10.34	0.35
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04/06/2011 03:00	1.124	10.41	0.35
04/06/2011 04:00	1.125	10.4	0.35
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04/06/2011 20:00	1.119	10.39	0.35
04/06/2011 21:00	1.115	10.39	0.35
04/06/2011 22:00	1.12	10.38	0.35
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05/06/2011 04:00	1.126	10.4	0.35
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05/06/2011 06:00	1.12	10.4	0.35
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05/06/2011 16:00	1.11	10.36	0.36
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17/06/2011 21:00	1.12	10.44	0.35
17/06/2011 22:00	1.124	10.45	0.35
17/06/2011 23:00	1.125	10.43	0.35
18/06/2011 00:00	1.124	10.45	0.35
18/06/2011 01:00	1.125	10.45	0.35
18/06/2011 02:00	1.123	10.43	0.35
18/06/2011 03:00	1.129	10.44	0.35
18/06/2011 04:00	1.125	10.44	0.35
18/06/2011 05:00	1.128	10.44	0.35
18/06/2011 06:00	1.127	10.43	0.35
18/06/2011 07:00	1.123	10.44	0.35
18/06/2011 08:00	1.125	10.45	0.35
18/06/2011 09:00	1.118	10.42	0.35
18/06/2011 10:00	1.114	10.44	0.35
18/06/2011 11:00	1.111	10.43	0.35
18/06/2011 12:00	1.117	10.43	0.35
18/06/2011 13:00	1.127	10.44	0.35
18/06/2011 14:00	1.116	10.43	0.35
18/06/2011 15:00	1.115	10.42	0.35
18/06/2011 16:00	1.116	10.44	0.35
18/06/2011 17:00	1.114	10.45	0.35
18/06/2011 18:00	1.128	10.44	0.35
18/06/2011 19:00	1.129	10.45	0.35
18/06/2011 20:00	1.13	10.44	0.35
18/06/2011 21:00	1.133	10.44	0.35
18/06/2011 22:00	1.132	10.45	0.35
18/06/2011 23:00	1.132	10.42	0.35
19/06/2011 00:00	1.13	10.44	0.35
19/06/2011 01:00	1.13	10.44	0.35
19/06/2011 02:00	1.13	10.43	0.35
19/06/2011 03:00	1.131	10.44	0.35
19/06/2011 04:00	1.13	10.45	0.35
19/06/2011 05:00	1.131	10.45	0.35

19/06/2011 06:00	1.132	10.44	0.35
19/06/2011 07:00	1.131	10.44	0.35
19/06/2011 08:00	1.127	10.44	0.35
19/06/2011 09:00	1.123	10.42	0.35
19/06/2011 10:00	1.118	10.44	0.35
19/06/2011 11:00	1.116	10.43	0.35
19/06/2011 12:00	1.116	10.44	0.35
19/06/2011 13:00	1.115	10.42	0.35
19/06/2011 14:00	1.12	10.43	0.35
19/06/2011 15:00	1.124	10.43	0.35
19/06/2011 16:00	1.117	10.44	0.35
19/06/2011 17:00	1.122	10.44	0.35
19/06/2011 18:00	1.12	10.44	0.35
19/06/2011 19:00	1.123	10.44	0.35
19/06/2011 20:00	1.13	10.42	0.35
19/06/2011 21:00	1.128	10.44	0.35
19/06/2011 22:00	1.135	10.43	0.35
19/06/2011 23:00	1.131	10.43	0.35
20/06/2011 00:00	1.135	10.44	0.35
20/06/2011 01:00	1.137	10.44	0.35
20/06/2011 02:00	1.135	10.44	0.35
20/06/2011 03:00	1.134	10.45	0.35
20/06/2011 04:00	1.137	10.44	0.35
20/06/2011 05:00	1.137	10.44	0.35
20/06/2011 06:00	1.132	10.43	0.35
20/06/2011 07:00	1.128	10.45	0.35
20/06/2011 08:00	1.119	10.43	0.35
20/06/2011 09:00	1.117	10.44	0.35
20/06/2011 10:00	1.119	10.44	0.35
20/06/2011 11:00	1.116	10.43	0.35
20/06/2011 12:00	1.119	10.42	0.35
20/06/2011 13:00	1.121	10.43	0.35
20/06/2011 14:00	1.118	10.42	0.35
20/06/2011 15:00	1.118	10.42	0.35
20/06/2011 16:00	1.122	10.43	0.35
20/06/2011 17:00	1.124	10.43	0.36
20/06/2011 18:00	1.124	10.42	0.35
20/06/2011 19:00	1.131	10.42	0.35
20/06/2011 20:00	1.136	10.42	0.35
20/06/2011 21:00	1.136	10.42	0.35
20/06/2011 22:00	1.135	10.42	0.35
20/06/2011 23:00	1.137	10.42	0.35
21/06/2011 00:00	1.139	10.41	0.35
21/06/2011 01:00	1.134	10.42	0.35
21/06/2011 02:00	1.136	10.41	0.35
21/06/2011 03:00	1.142	10.4	0.35
21/06/2011 04:00	1.137	10.42	0.35
21/06/2011 05:00	1.137	10.38	0.35
21/06/2011 06:00	1.137	10.42	0.35
21/06/2011 07:00	1.134	10.39	0.35
21/06/2011 08:00	1.13	10.41	0.35
21/06/2011 09:00	1.126	10.41	0.36
21/06/2011 10:00	1.119	10.41	0.36
21/06/2011 11:00	1.123	10.41	0.36
21/06/2011 12:00	1.121	10.42	0.35
21/06/2011 13:00	1.125	10.42	0.35
21/06/2011 14:00	1.125	10.42	0.35
21/06/2011 15:00	1.125	10.45	0.36
21/06/2011 16:00	1.125	10.42	0.36

21/06/2011 17:00	1.124	10.43	0.36
21/06/2011 18:00	1.123	10.42	0.36
21/06/2011 19:00	1.131	10.42	0.36
21/06/2011 20:00	1.135	10.4	0.36
21/06/2011 21:00	1.14	10.4	0.36
21/06/2011 22:00	1.138	10.4	0.35
21/06/2011 23:00	1.14	10.4	0.36
22/06/2011 00:00	1.14	10.39	0.36
22/06/2011 01:00	1.139	10.38	0.36
22/06/2011 02:00	1.141	10.41	0.36
22/06/2011 03:00	1.141	10.4	0.35
22/06/2011 04:00	1.14	10.4	0.35
22/06/2011 05:00	1.14	10.39	0.35
22/06/2011 06:00	1.137	10.39	0.35
22/06/2011 07:00	1.132	10.4	0.35
22/06/2011 08:00	1.126	10.4	0.35
22/06/2011 09:00	1.125	10.41	0.35
22/06/2011 10:00	1.119	10.41	0.35
22/06/2011 11:00	1.126	10.39	0.35
22/06/2011 12:00	1.132	10.42	0.35
22/06/2011 13:00	1.129	10.42	0.35
22/06/2011 14:00	1.129	10.41	0.35
22/06/2011 15:00	1.131	10.39	0.35
22/06/2011 16:00	1.139	10.39	0.35
22/06/2011 17:00	1.131	10.4	0.35
22/06/2011 18:00	1.125	10.4	0.36
22/06/2011 19:00	1.13	10.4	0.36
22/06/2011 20:00	1.13	10.4	0.35
22/06/2011 21:00	1.132	10.42	0.35
22/06/2011 22:00	1.138	10.39	0.35
22/06/2011 23:00	1.141	10.41	0.36
23/06/2011 00:00	1.138	10.4	0.35
23/06/2011 01:00	1.139	10.39	0.35
23/06/2011 02:00	1.141	10.4	0.35
23/06/2011 03:00	1.144	10.4	0.36
23/06/2011 04:00	1.14	10.42	0.35
23/06/2011 05:00	1.139	10.42	0.35
23/06/2011 06:00	1.138	10.4	0.35
23/06/2011 07:00	1.134	10.41	0.35
23/06/2011 08:00	1.127	10.42	0.35
23/06/2011 09:00	1.128	10.38	0.35
23/06/2011 10:00	1.123	10.4	0.35
23/06/2011 11:00	1.123	10.4	0.35
23/06/2011 12:00	1.128	10.4	0.35
23/06/2011 13:00	1.126	10.39	0.35
23/06/2011 14:00	1.136	10.41	0.36
23/06/2011 15:00	1.131	10.41	0.36
23/06/2011 16:00	1.128	10.42	0.35
23/06/2011 17:00	1.123	10.43	0.35
23/06/2011 18:00	1.124	10.42	0.35
23/06/2011 19:00	1.126	10.4	0.35
23/06/2011 20:00	1.129	10.43	0.35
23/06/2011 21:00	1.132	10.42	0.35
23/06/2011 22:00	1.139	10.42	0.35
23/06/2011 23:00	1.138	10.42	0.35
24/06/2011 00:00	1.14	10.43	0.35
24/06/2011 01:00	1.138	10.44	0.35
24/06/2011 02:00	1.139	10.43	0.35
24/06/2011 03:00	1.136	10.41	0.35

24/06/2011 04:00	1.134	10.43	0.35
24/06/2011 05:00	1.136	10.42	0.35
24/06/2011 06:00	1.136	10.43	0.35
24/06/2011 07:00	1.136	10.43	0.35
24/06/2011 08:00	1.136	10.41	0.35
24/06/2011 09:00	1.126	10.45	0.35
24/06/2011 10:00	1.121	10.42	0.35
24/06/2011 11:00	1.122	10.43	0.35
24/06/2011 12:00	1.125	10.42	0.35
24/06/2011 13:00	1.125	10.43	0.35
24/06/2011 14:00	1.129	10.43	0.35
24/06/2011 15:00	1.128	10.43	0.35
24/06/2011 16:00	1.127	10.42	0.35
24/06/2011 17:00	1.135	10.41	0.35
24/06/2011 18:00	1.138	10.42	0.35
24/06/2011 19:00	1.138	10.42	0.35
24/06/2011 20:00	1.14	10.43	0.35
24/06/2011 21:00	1.141	10.42	0.35
24/06/2011 22:00	1.142	10.41	0.35
24/06/2011 23:00	1.142	10.39	0.35
25/06/2011 00:00	1.144	10.43	0.35
25/06/2011 01:00	1.141	10.44	0.35
25/06/2011 02:00	1.141	10.43	0.35
25/06/2011 03:00	1.147	10.42	0.35
25/06/2011 04:00	1.142	10.43	0.35
25/06/2011 05:00	1.144	10.44	0.35
25/06/2011 06:00	1.146	10.43	0.35
25/06/2011 07:00	1.148	10.42	0.35
25/06/2011 08:00	1.147	10.43	0.35
25/06/2011 09:00	1.142	10.43	0.35
25/06/2011 10:00	1.142	10.44	0.35
25/06/2011 11:00	1.139	10.43	0.35
25/06/2011 12:00	1.131	10.43	0.35
25/06/2011 13:00	1.133	10.42	0.35
25/06/2011 14:00	1.132	10.41	0.35
25/06/2011 15:00	1.128	10.43	0.35
25/06/2011 16:00	1.127	10.43	0.35
25/06/2011 17:00	1.129	10.42	0.35
25/06/2011 18:00	1.131	10.41	0.35
25/06/2011 19:00	1.131	10.42	0.35
25/06/2011 20:00	1.137	10.42	0.35
25/06/2011 21:00	1.138	10.41	0.35
25/06/2011 22:00	1.136	10.43	0.35
25/06/2011 23:00	1.141	10.41	0.35
26/06/2011 00:00	1.142	10.4	0.35
26/06/2011 01:00	1.14	10.39	0.35
26/06/2011 02:00	1.144	10.42	0.35
26/06/2011 03:00	1.143	10.43	0.35
26/06/2011 04:00	1.146	10.42	0.35
26/06/2011 05:00	1.144	10.42	0.35
26/06/2011 06:00	1.147	10.43	0.35
26/06/2011 07:00	1.137	10.42	0.35
26/06/2011 08:00	1.127	10.43	0.35
26/06/2011 09:00	1.128	10.41	0.35
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26/06/2011 11:00	1.126	10.42	0.35
26/06/2011 12:00	1.126	10.41	0.35
26/06/2011 13:00	1.132	10.4	0.35
26/06/2011 14:00	1.129	10.43	0.35

26/06/2011 15:00	1.131	10.42	0.35
26/06/2011 16:00	1.135	10.41	0.35
26/06/2011 17:00	1.138	10.43	0.35
26/06/2011 18:00	1.148	10.42	0.35
26/06/2011 19:00	1.144	10.42	0.35
26/06/2011 20:00	1.149	10.4	0.35
26/06/2011 21:00	1.145	10.42	0.35
26/06/2011 22:00	1.15	10.41	0.35
26/06/2011 23:00	1.149	10.41	0.35
27/06/2011 00:00	1.149	10.42	0.35
27/06/2011 01:00	1.148	10.42	0.35
27/06/2011 02:00	1.154	10.42	0.35
27/06/2011 03:00	1.15	10.43	0.35
27/06/2011 04:00	1.15	10.43	0.35
27/06/2011 05:00	1.151	10.4	0.35
27/06/2011 06:00	1.153	10.41	0.35
27/06/2011 07:00	1.147	10.41	0.35
27/06/2011 08:00	1.137	10.41	0.35
27/06/2011 09:00	1.138	10.4	0.36
27/06/2011 10:00	1.136	10.41	0.36
27/06/2011 11:00	1.136	10.41	0.35
27/06/2011 12:00	1.135	10.41	0.35
27/06/2011 13:00	1.133	10.41	0.35
27/06/2011 14:00	1.135	10.43	0.36
27/06/2011 15:00	1.129	10.43	0.36
27/06/2011 16:00	1.136	10.4	0.35
27/06/2011 17:00	1.131	10.42	0.36
27/06/2011 18:00	1.14	10.41	0.36
27/06/2011 19:00	1.143	10.4	0.35
27/06/2011 20:00	1.143	10.37	0.35
27/06/2011 21:00	1.148	10.4	0.35
27/06/2011 22:00	1.148	10.4	0.35
27/06/2011 23:00	1.152	10.41	0.35
28/06/2011 00:00	1.152	10.4	0.35
28/06/2011 01:00	1.153	10.4	0.35
28/06/2011 02:00	1.156	10.4	0.35
28/06/2011 03:00	1.15	10.39	0.35
28/06/2011 04:00	1.153	10.4	0.35
28/06/2011 05:00	1.148	10.4	0.35
28/06/2011 06:00	1.147	10.39	0.35
28/06/2011 07:00	1.146	10.39	0.35
28/06/2011 08:00	1.139	10.39	0.35
28/06/2011 09:00	1.137	10.39	0.36
28/06/2011 10:00	1.138	10.39	0.35
28/06/2011 11:00	1.136	10.4	0.36
28/06/2011 12:00	1.135	10.39	0.36
28/06/2011 13:00	1.133	10.39	0.36
28/06/2011 14:00	1.135	10.4	0.36
28/06/2011 15:00	1.134	10.39	0.36
28/06/2011 16:00	1.145	10.39	0.36
28/06/2011 17:00	1.143	10.39	0.36
28/06/2011 18:00	1.148	10.39	0.36
28/06/2011 19:00	1.154	10.39	0.35
28/06/2011 20:00	1.151	10.4	0.36
28/06/2011 21:00	1.149	10.39	0.36
28/06/2011 22:00	1.154	10.4	0.36
28/06/2011 23:00	1.153	10.38	0.36
29/06/2011 00:00	1.154	10.4	0.36
29/06/2011 01:00	1.151	10.4	0.35

29/06/2011 02:00	1.151	10.39	0.35
29/06/2011 03:00	1.15	10.41	0.35
29/06/2011 04:00	1.152	10.42	0.35
29/06/2011 05:00	1.155	10.42	0.35
29/06/2011 06:00	1.15	10.4	0.35
29/06/2011 07:00	1.151	10.41	0.35
29/06/2011 08:00	1.138	10.4	0.35
29/06/2011 09:00	1.137	10.39	0.35
29/06/2011 10:00	1.135	10.4	0.35
29/06/2011 11:00	1.133	10.41	0.35
29/06/2011 12:00	1.133	10.4	0.35
29/06/2011 13:00	1.136	10.41	0.35

END OF DATA FILE OF DATALOGGER FOR WINDOWS

0_K4994_110715104305.CSV

Data file for DataLogger.

=====

COMPANY : <Company name>

COMP.STATUS: Done

DATE : 15/07/2011

TIME : 10:43:29

FILENAME : C:\Documents and Settings\All Users\Application Data\DiverOffice\Sizewell\CSV\pz2009_2

CREATED BY : SWS Diver-Office 4.0.76.0

===== BEGINNING OF DATA =====

[Logger settings]

Instrument type =CTD-Diver=17

Status =Started =0

Serial number =.00-K4996 317.

Instrument number =
=0

Location =pz2009_21

Sample period =M60

Sample method =T

Number of channels =3

[Channel 1]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm

Range =120.00 mS/cm

[Series settings]

Serial number =.00-K4996 317.

Instrument number =

Location =pz2009_21

Sample period =00 00:60:00 0

Sample method =T

Start date / time =00:00:06 09/04/11

End date / time =00:00:11 28/06/11

[Channel 1 from data header]

Identification =WATER HEAD

Reference level =4.000 m

Range =17.500 m

Master level =1750 CMH2O

Altitude =0 m

[Channel 2 from data header]

Identification =TEMPERATURE

Reference level =-20.00 °C

Range =100.00 °C

[Channel 3 from data header]

Identification =1: CONDUCTIVITY

Reference level =0.00 mS/cm
Range =120.00 mS/cm

[Data]

1926

Date/time	Water head[m]	Temperature[°C]	1:Conductivity[mS/cm]
09/04/2011 06:00	0.748	12.32	1.06
09/04/2011 07:00	0.746	12.3	1.06
09/04/2011 08:00	0.741	12.32	1.06
09/04/2011 09:00	0.732	12.31	1.06
09/04/2011 10:00	0.732	12.29	1.06
09/04/2011 11:00	0.732	12.32	1.07
09/04/2011 12:00	0.73	12.29	1.06
09/04/2011 13:00	0.733	12.35	1.07
09/04/2011 14:00	0.739	12.35	1.07
09/04/2011 15:00	0.742	12.31	1.06
09/04/2011 16:00	0.743	12.35	1.07
09/04/2011 17:00	0.745	12.31	1.06
09/04/2011 18:00	0.751	12.29	1.06
09/04/2011 19:00	0.751	12.3	1.06
09/04/2011 20:00	0.749	12.29	1.06
09/04/2011 21:00	0.746	12.31	1.06
09/04/2011 22:00	0.745	12.34	1.07
09/04/2011 23:00	0.745	12.3	1.06
10/04/2011 00:00	0.743	12.32	1.06
10/04/2011 01:00	0.743	12.3	1.06
10/04/2011 02:00	0.748	12.26	1.06
10/04/2011 03:00	0.745	12.3	1.06
10/04/2011 04:00	0.75	12.33	1.06
10/04/2011 05:00	0.746	12.28	1.06
10/04/2011 06:00	0.744	12.38	1.07
10/04/2011 07:00	0.739	12.31	1.06
10/04/2011 08:00	0.736	12.33	1.07
10/04/2011 09:00	0.729	12.28	1.06
10/04/2011 10:00	0.726	12.3	1.06
10/04/2011 11:00	0.73	12.28	1.06
10/04/2011 12:00	0.73	12.27	1.06
10/04/2011 13:00	0.73	12.27	1.06
10/04/2011 14:00	0.728	12.31	1.07
10/04/2011 15:00	0.734	12.29	1.07
10/04/2011 16:00	0.74	12.36	1.07
10/04/2011 17:00	0.741	12.37	1.07
10/04/2011 18:00	0.748	12.37	1.07
10/04/2011 19:00	0.744	12.3	1.07
10/04/2011 20:00	0.748	12.28	1.06
10/04/2011 21:00	0.746	12.33	1.07
10/04/2011 22:00	0.742	12.31	1.07
10/04/2011 23:00	0.743	12.34	1.07
11/04/2011 00:00	0.742	12.31	1.07
11/04/2011 01:00	0.738	12.29	1.07
11/04/2011 02:00	0.741	12.36	1.07
11/04/2011 03:00	0.742	12.27	1.06
11/04/2011 04:00	0.741	12.35	1.07
11/04/2011 05:00	0.744	12.29	1.06
11/04/2011 06:00	0.743	12.27	1.06
11/04/2011 07:00	0.744	12.29	1.06
11/04/2011 08:00	0.737	12.29	1.06
11/04/2011 09:00	0.737	12.27	1.06

11/04/2011 10:00	0.731	12.35	1.07
11/04/2011 11:00	0.734	12.27	1.06
11/04/2011 12:00	0.737	12.24	1.06
11/04/2011 13:00	0.733	12.29	1.06
11/04/2011 14:00	0.735	12.29	1.06
11/04/2011 15:00	0.739	12.28	1.06
11/04/2011 16:00	0.745	12.31	1.06
11/04/2011 17:00	0.752	12.28	1.06
11/04/2011 18:00	0.747	12.32	1.06
11/04/2011 19:00	0.739	12.31	1.06
11/04/2011 20:00	0.739	12.27	1.06
11/04/2011 21:00	0.74	12.26	1.06
11/04/2011 22:00	0.742	12.27	1.06
11/04/2011 23:00	0.74	12.27	1.07
12/04/2011 00:00	0.739	12.27	1.07
12/04/2011 01:00	0.734	12.27	1.07
12/04/2011 02:00	0.736	12.27	1.07
12/04/2011 03:00	0.735	12.33	1.07
12/04/2011 04:00	0.736	12.28	1.07
12/04/2011 05:00	0.733	12.28	1.07
12/04/2011 06:00	0.734	12.25	1.07
12/04/2011 07:00	0.733	12.32	1.07
12/04/2011 08:00	0.726	12.26	1.07
12/04/2011 09:00	0.725	12.33	1.07
12/04/2011 10:00	0.725	12.28	1.07
12/04/2011 11:00	0.728	12.31	1.07
12/04/2011 12:00	0.729	12.27	1.07
12/04/2011 13:00	0.733	12.29	1.07
12/04/2011 14:00	0.726	12.26	1.07
12/04/2011 15:00	0.733	12.28	1.07
12/04/2011 16:00	0.733	12.28	1.07
12/04/2011 17:00	0.738	12.32	1.07
12/04/2011 18:00	0.739	12.34	1.07
12/04/2011 19:00	0.745	12.28	1.07
12/04/2011 20:00	0.743	12.28	1.07
12/04/2011 21:00	0.739	12.28	1.07
12/04/2011 22:00	0.737	12.26	1.07
12/04/2011 23:00	0.737	12.36	1.07
13/04/2011 00:00	0.74	12.3	1.07
13/04/2011 01:00	0.735	12.25	1.07
13/04/2011 02:00	0.734	12.33	1.07
13/04/2011 03:00	0.733	12.26	1.07
13/04/2011 04:00	0.736	12.34	1.07
13/04/2011 05:00	0.734	12.26	1.07
13/04/2011 06:00	0.738	12.27	1.07
13/04/2011 07:00	0.739	12.31	1.07
13/04/2011 08:00	0.734	12.27	1.06
13/04/2011 09:00	0.729	12.3	1.07
13/04/2011 10:00	0.733	12.28	1.06
13/04/2011 11:00	0.733	12.28	1.06
13/04/2011 12:00	0.734	12.29	1.06
13/04/2011 13:00	0.74	12.28	1.06
13/04/2011 14:00	0.736	12.29	1.06
13/04/2011 15:00	0.735	12.26	1.06
13/04/2011 16:00	0.738	12.25	1.06
13/04/2011 17:00	0.74	12.32	1.06
13/04/2011 18:00	0.739	12.25	1.06
13/04/2011 19:00	0.743	12.25	1.06
13/04/2011 20:00	0.742	12.23	1.06

13/04/2011 21:00	0.741	12.24	1.06
13/04/2011 22:00	0.741	12.22	1.06
13/04/2011 23:00	0.743	12.27	1.07
14/04/2011 00:00	0.742	12.28	1.07
14/04/2011 01:00	0.74	12.26	1.07
14/04/2011 02:00	0.734	12.26	1.07
14/04/2011 03:00	0.736	12.26	1.07
14/04/2011 04:00	0.739	12.22	1.07
14/04/2011 05:00	0.736	12.26	1.07
14/04/2011 06:00	0.736	12.24	1.07
14/04/2011 07:00	0.734	12.25	1.07
14/04/2011 08:00	0.735	12.28	1.07
14/04/2011 09:00	0.731	12.23	1.07
14/04/2011 10:00	0.73	12.3	1.07
14/04/2011 11:00	0.727	12.32	1.07
14/04/2011 12:00	0.726	12.24	1.07
14/04/2011 13:00	0.725	12.26	1.07
14/04/2011 14:00	0.724	12.23	1.06
14/04/2011 15:00	0.731	12.28	1.07
14/04/2011 16:00	0.729	12.29	1.06
14/04/2011 17:00	0.735	12.28	1.06
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14/04/2011 21:00	0.736	12.27	1.06
14/04/2011 22:00	0.741	12.28	1.06
14/04/2011 23:00	0.738	12.31	1.06
15/04/2011 00:00	0.738	12.27	1.06
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15/04/2011 03:00	0.732	12.28	1.06
15/04/2011 04:00	0.733	12.27	1.06
15/04/2011 05:00	0.73	12.28	1.06
15/04/2011 06:00	0.731	12.23	1.06
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15/04/2011 09:00	0.729	12.29	1.06
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15/04/2011 13:00	0.719	12.24	1.06
15/04/2011 14:00	0.717	12.28	1.06
15/04/2011 15:00	0.718	12.3	1.06
15/04/2011 16:00	0.72	12.23	1.06
15/04/2011 17:00	0.721	12.28	1.06
15/04/2011 18:00	0.725	12.24	1.06
15/04/2011 19:00	0.728	12.24	1.06
15/04/2011 20:00	0.732	12.21	1.06
15/04/2011 21:00	0.732	12.26	1.06
15/04/2011 22:00	0.729	12.29	1.06
15/04/2011 23:00	0.731	12.24	1.06
16/04/2011 00:00	0.733	12.26	1.06
16/04/2011 01:00	0.732	12.23	1.06
16/04/2011 02:00	0.729	12.24	1.06
16/04/2011 03:00	0.727	12.26	1.06
16/04/2011 04:00	0.724	12.22	1.06
16/04/2011 05:00	0.722	12.25	1.06
16/04/2011 06:00	0.722	12.29	1.06
16/04/2011 07:00	0.723	12.22	1.06

16/04/2011 08:00	0.719	12.29	1.06
16/04/2011 09:00	0.722	12.19	1.06
16/04/2011 10:00	0.718	12.24	1.06
16/04/2011 11:00	0.718	12.24	1.06
16/04/2011 12:00	0.72	12.25	1.06
16/04/2011 13:00	0.723	12.28	1.06
16/04/2011 14:00	0.72	12.25	1.06
16/04/2011 15:00	0.719	12.28	1.06
16/04/2011 16:00	0.717	12.24	1.06
16/04/2011 17:00	0.716	12.28	1.06
16/04/2011 18:00	0.712	12.26	1.06
16/04/2011 19:00	0.722	12.22	1.06
16/04/2011 20:00	0.727	12.25	1.06
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16/04/2011 22:00	0.729	12.31	1.06
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17/04/2011 06:00	0.719	12.25	1.06
17/04/2011 07:00	0.721	12.24	1.06
17/04/2011 08:00	0.72	12.22	1.06
17/04/2011 09:00	0.713	12.21	1.06
17/04/2011 10:00	0.712	12.28	1.06
17/04/2011 11:00	0.708	12.19	1.06
17/04/2011 12:00	0.712	12.25	1.06
17/04/2011 13:00	0.717	12.21	1.06
17/04/2011 14:00	0.719	12.27	1.06
17/04/2011 15:00	0.713	12.25	1.06
17/04/2011 16:00	0.714	12.25	1.06
17/04/2011 17:00	0.716	12.22	1.06
17/04/2011 18:00	0.722	12.21	1.06
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18/04/2011 10:00	0.711	12.24	1.06
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18/04/2011 13:00	0.722	12.24	1.06
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18/04/2011 21:00	0.729	12.24	1.06
18/04/2011 22:00	0.733	12.23	1.06
18/04/2011 23:00	0.733	12.26	1.06
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19/04/2011 01:00	0.738	12.21	1.06
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19/04/2011 03:00	0.735	12.23	1.06
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19/04/2011 05:00	0.736	12.22	1.06
19/04/2011 06:00	0.729	12.22	1.06
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19/04/2011 09:00	0.717	12.27	1.06
19/04/2011 10:00	0.715	12.21	1.06
19/04/2011 11:00	0.705	12.24	1.05
19/04/2011 12:00	0.709	12.19	1.05
19/04/2011 13:00	0.711	12.04	1.05
19/04/2011 14:00	0.711	12.13	1.05
19/04/2011 15:00	0.713	12.15	1.06
19/04/2011 16:00	0.714	12.19	1.06
19/04/2011 17:00	0.72	12.2	1.06
19/04/2011 18:00	0.718	12.18	1.06
19/04/2011 19:00	0.719	12.16	1.06
19/04/2011 20:00	0.72	12.22	1.06
19/04/2011 21:00	0.718	12.2	1.06
19/04/2011 22:00	0.721	12.21	1.06
19/04/2011 23:00	0.723	12.25	1.06
20/04/2011 00:00	0.717	12.18	1.06
20/04/2011 01:00	0.724	12.24	1.06
20/04/2011 02:00	0.725	12.21	1.06
20/04/2011 03:00	0.727	12.23	1.06
20/04/2011 04:00	0.726	12.22	1.06
20/04/2011 05:00	0.725	12.25	1.06
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20/04/2011 07:00	0.717	12.22	1.06
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20/04/2011 09:00	0.704	12.22	1.06
20/04/2011 10:00	0.041	11.97	1.06
20/04/2011 11:00	0.699	12.19	1.06
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20/04/2011 13:00	0.711	12.16	1.06
20/04/2011 14:00	0.714	12.18	1.06
20/04/2011 15:00	0.709	12.18	1.06
20/04/2011 16:00	0.72	12.21	1.06
20/04/2011 17:00	0.72	12.21	1.06
20/04/2011 18:00	0.716	12.23	1.06
20/04/2011 19:00	0.714	12.2	1.06
20/04/2011 20:00	0.71	12.19	1.06
20/04/2011 21:00	0.71	12.17	1.06
20/04/2011 22:00	0.707	12.17	1.06
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21/04/2011 00:00	0.713	12.24	1.06
21/04/2011 01:00	0.717	12.22	1.06
21/04/2011 02:00	0.717	12.23	1.06
21/04/2011 03:00	0.721	12.22	1.06
21/04/2011 04:00	0.715	12.19	1.06
21/04/2011 05:00	0.717	12.16	1.06

21/04/2011 06:00	0.717	12.2	1.06
21/04/2011 07:00	0.712	12.19	1.06
21/04/2011 08:00	0.706	12.19	1.06
21/04/2011 09:00	0.702	12.17	1.06
21/04/2011 10:00	0.705	12.15	1.06
21/04/2011 11:00	0.7	12.19	1.06
21/04/2011 12:00	0.701	12.18	1.06
21/04/2011 13:00	0.703	12.17	1.06
21/04/2011 14:00	0.703	12.21	1.06
21/04/2011 15:00	0.711	12.22	1.06
21/04/2011 16:00	0.715	12.27	1.06
21/04/2011 17:00	0.712	12.17	1.06
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21/04/2011 20:00	0.716	12.17	1.06
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21/04/2011 22:00	0.718	12.22	1.06
21/04/2011 23:00	0.713	12.21	1.06
22/04/2011 00:00	0.715	12.21	1.06
22/04/2011 01:00	0.719	12.17	1.06
22/04/2011 02:00	0.72	12.27	1.06
22/04/2011 03:00	0.721	12.18	1.06
22/04/2011 04:00	0.724	12.23	1.06
22/04/2011 05:00	0.721	12.22	1.06
22/04/2011 06:00	0.722	12.17	1.06
22/04/2011 07:00	0.718	12.21	1.06
22/04/2011 08:00	0.712	12.17	1.06
22/04/2011 09:00	0.71	12.22	1.06
22/04/2011 10:00	0.703	12.19	1.06
22/04/2011 11:00	0.706	12.16	1.06
22/04/2011 12:00	0.699	12.18	1.06
22/04/2011 13:00	0.703	12.17	1.06
22/04/2011 14:00	0.705	12.2	1.06
22/04/2011 15:00	0.712	12.15	1.06
22/04/2011 16:00	0.717	12.2	1.06
22/04/2011 17:00	0.712	12.21	1.06
22/04/2011 18:00	0.718	12.16	1.06
22/04/2011 19:00	0.715	12.19	1.06
22/04/2011 20:00	0.715	12.16	1.06
22/04/2011 21:00	0.714	12.17	1.06
22/04/2011 22:00	0.715	12.21	1.06
22/04/2011 23:00	0.709	12.17	1.06
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23/04/2011 01:00	0.712	12.16	1.06
23/04/2011 02:00	0.712	12.18	1.06
23/04/2011 03:00	0.712	12.2	1.06
23/04/2011 04:00	0.71	12.19	1.06
23/04/2011 05:00	0.71	12.24	1.07
23/04/2011 06:00	0.709	12.14	1.06
23/04/2011 07:00	0.709	12.14	1.06
23/04/2011 08:00	0.704	12.17	1.06
23/04/2011 09:00	0.697	12.14	1.06
23/04/2011 10:00	0.697	12.19	1.06
23/04/2011 11:00	0.696	12.16	1.06
23/04/2011 12:00	0.697	12.22	1.07
23/04/2011 13:00	0.698	12.2	1.06
23/04/2011 14:00	0.703	12.19	1.06
23/04/2011 15:00	0.708	12.18	1.06
23/04/2011 16:00	0.71	12.18	1.06

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23/04/2011 20:00	0.712	12.2	1.06
23/04/2011 21:00	0.705	12.18	1.06
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24/04/2011 08:00	0.693	12.16	1.06
24/04/2011 09:00	0.694	12.14	1.06
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24/04/2011 11:00	0.688	12.14	1.06
24/04/2011 12:00	0.693	12.24	1.07
24/04/2011 13:00	0.691	12.16	1.06
24/04/2011 14:00	0.687	12.14	1.06
24/04/2011 15:00	0.695	12.15	1.06
24/04/2011 16:00	0.702	12.14	1.06
24/04/2011 17:00	0.705	12.18	1.06
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24/04/2011 19:00	0.705	12.19	1.06
24/04/2011 20:00	0.705	12.18	1.06
24/04/2011 21:00	0.702	12.15	1.06
24/04/2011 22:00	0.705	12.19	1.06
24/04/2011 23:00	0.7	12.18	1.06
25/04/2011 00:00	0.703	12.17	1.06
25/04/2011 01:00	0.701	12.13	1.06
25/04/2011 02:00	0.704	12.18	1.06
25/04/2011 03:00	0.7	12.18	1.06
25/04/2011 04:00	0.704	12.15	1.06
25/04/2011 05:00	0.704	12.15	1.06
25/04/2011 06:00	0.701	12.17	1.06
25/04/2011 07:00	0.7	12.17	1.06
25/04/2011 08:00	0.697	12.19	1.06
25/04/2011 09:00	0.691	12.18	1.06
25/04/2011 10:00	0.692	12.16	1.06
25/04/2011 11:00	0.692	12.18	1.06
25/04/2011 12:00	0.689	12.21	1.06
25/04/2011 13:00	0.69	12.22	1.06
25/04/2011 14:00	0.691	12.2	1.06
25/04/2011 15:00	0.688	12.17	1.06
25/04/2011 16:00	0.693	12.15	1.06
25/04/2011 17:00	0.697	12.15	1.06
25/04/2011 18:00	0.7	12.15	1.06
25/04/2011 19:00	0.706	12.21	1.06
25/04/2011 20:00	0.703	12.15	1.06
25/04/2011 21:00	0.702	12.14	1.06
25/04/2011 22:00	0.7	12.16	1.06
25/04/2011 23:00	0.696	12.13	1.06
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26/04/2011 10:00	0.691	12.12	1.06
26/04/2011 11:00	0.688	12.2	1.06
26/04/2011 12:00	0.686	12.17	1.06
26/04/2011 13:00	0.685	12.17	1.06
26/04/2011 14:00	0.694	12.21	1.06
26/04/2011 15:00	0.692	12.19	1.06
26/04/2011 16:00	0.691	12.13	1.06
26/04/2011 17:00	0.698	12.15	1.06
26/04/2011 18:00	0.699	12.16	1.06
26/04/2011 19:00	0.703	12.19	1.06
26/04/2011 20:00	0.698	12.13	1.06
26/04/2011 21:00	0.701	12.18	1.06
26/04/2011 22:00	0.696	12.14	1.06
26/04/2011 23:00	0.699	12.17	1.06
27/04/2011 00:00	0.698	12.12	1.06
27/04/2011 01:00	0.699	12.15	1.06
27/04/2011 02:00	0.697	12.21	1.06
27/04/2011 03:00	0.697	12.16	1.06
27/04/2011 04:00	0.695	12.14	1.06
27/04/2011 05:00	0.693	12.13	1.06
27/04/2011 06:00	0.693	12.17	1.06
27/04/2011 07:00	0.691	12.17	1.06
27/04/2011 08:00	0.695	12.16	1.06
27/04/2011 09:00	0.687	12.16	1.06
27/04/2011 10:00	0.688	12.15	1.06
27/04/2011 11:00	0.688	12.15	1.06
27/04/2011 12:00	0.688	12.17	1.06
27/04/2011 13:00	0.682	12.13	1.06
27/04/2011 14:00	0.686	12.2	1.06
27/04/2011 15:00	0.689	12.12	1.06
27/04/2011 16:00	0.686	12.14	1.06
27/04/2011 17:00	0.687	12.13	1.06
27/04/2011 18:00	0.694	12.21	1.06
27/04/2011 19:00	0.698	12.15	1.06
27/04/2011 20:00	0.702	12.11	1.05
27/04/2011 21:00	0.704	12.15	1.06
27/04/2011 22:00	0.698	12.15	1.05
27/04/2011 23:00	0.705	12.15	1.05
28/04/2011 00:00	0.704	12.17	1.06
28/04/2011 01:00	0.705	12.15	1.05
28/04/2011 02:00	0.7	12.13	1.05
28/04/2011 03:00	0.702	12.15	1.05
28/04/2011 04:00	0.701	12.19	1.06
28/04/2011 05:00	0.696	12.13	1.05
28/04/2011 06:00	0.696	12.16	1.05
28/04/2011 07:00	0.699	12.12	1.05
28/04/2011 08:00	0.701	12.18	1.06
28/04/2011 09:00	0.701	12.14	1.05
28/04/2011 10:00	0.7	12.13	1.05
28/04/2011 11:00	0.7	12.14	1.05
28/04/2011 12:00	0.697	12.17	1.05
28/04/2011 13:00	0.697	12.18	1.05
28/04/2011 14:00	0.697	12.16	1.05

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28/04/2011 17:00	0.7	12.13	1.05
28/04/2011 18:00	0.704	12.18	1.05
28/04/2011 19:00	0.707	12.14	1.05
28/04/2011 20:00	0.709	12.19	1.05
28/04/2011 21:00	0.707	12.17	1.05
28/04/2011 22:00	0.708	12.19	1.05
28/04/2011 23:00	0.708	12.15	1.05
29/04/2011 00:00	0.71	12.13	1.05
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29/04/2011 02:00	0.709	12.15	1.05
29/04/2011 03:00	0.706	12.16	1.05
29/04/2011 04:00	0.708	12.13	1.05
29/04/2011 05:00	0.71	12.15	1.05
29/04/2011 06:00	0.706	12.12	1.05
29/04/2011 07:00	0.706	12.12	1.05
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29/04/2011 09:00	0.698	12.14	1.05
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29/04/2011 11:00	0.693	12.12	1.05
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29/04/2011 16:00	0.702	12.14	1.06
29/04/2011 17:00	0.706	12.12	1.06
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29/04/2011 19:00	0.71	12.2	1.06
29/04/2011 20:00	0.708	12.13	1.05
29/04/2011 21:00	0.708	12.11	1.05
29/04/2011 22:00	0.71	12.15	1.05
29/04/2011 23:00	0.709	12.14	1.06
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30/04/2011 02:00	0.714	12.09	1.05
30/04/2011 03:00	0.71	12.12	1.05
30/04/2011 04:00	0.707	12.15	1.06
30/04/2011 05:00	0.704	12.11	1.05
30/04/2011 06:00	0.705	12.13	1.06
30/04/2011 07:00	0.702	12.12	1.06
30/04/2011 08:00	0.703	12.13	1.06
30/04/2011 09:00	0.696	12.1	1.06
30/04/2011 10:00	0.693	12.13	1.06
30/04/2011 11:00	0.696	12.19	1.06
30/04/2011 12:00	0.697	12.15	1.06
30/04/2011 13:00	0.696	12.17	1.06
30/04/2011 14:00	0.697	12.13	1.06
30/04/2011 15:00	0.697	12.11	1.06
30/04/2011 16:00	0.697	12.12	1.06
30/04/2011 17:00	0.699	12.13	1.06
30/04/2011 18:00	0.704	12.13	1.06
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30/04/2011 20:00	0.711	12.12	1.06
30/04/2011 21:00	0.71	12.12	1.06
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01/05/2011 01:00	0.706	12.11	1.06

01/05/2011 02:00	0.704	12.17	1.06
01/05/2011 03:00	0.709	12.1	1.06
01/05/2011 04:00	0.708	12.13	1.06
01/05/2011 05:00	0.704	12.19	1.06
01/05/2011 06:00	0.7	12.19	1.06
01/05/2011 07:00	0.698	12.15	1.06
01/05/2011 08:00	0.694	12.13	1.06
01/05/2011 09:00	0.693	12.16	1.06
01/05/2011 10:00	0.691	12.17	1.06
01/05/2011 11:00	0.696	12.18	1.06
01/05/2011 12:00	0.691	12.15	1.06
01/05/2011 13:00	0.696	12.17	1.06
01/05/2011 14:00	0.697	12.11	1.06
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01/05/2011 16:00	0.694	12.12	1.06
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01/05/2011 19:00	0.703	12.16	1.06
01/05/2011 20:00	0.701	12.12	1.06
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01/05/2011 23:00	0.703	12.14	1.06
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02/05/2011 01:00	0.706	12.16	1.06
02/05/2011 02:00	0.706	12.11	1.06
02/05/2011 03:00	0.703	12.17	1.06
02/05/2011 04:00	0.706	12.11	1.06
02/05/2011 05:00	0.706	12.15	1.06
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02/05/2011 18:00	0.695	12.13	1.06
02/05/2011 19:00	0.7	12.15	1.06
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03/05/2011 10:00	0.684	12.1	1.06
03/05/2011 11:00	0.688	12.1	1.06
03/05/2011 12:00	0.688	12.15	1.06

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03/05/2011 14:00	0.689	12.1	1.06
03/05/2011 15:00	0.689	12.12	1.06
03/05/2011 16:00	0.689	12.14	1.06
03/05/2011 17:00	0.688	12.14	1.06
03/05/2011 18:00	0.688	12.17	1.06
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08/05/2011 09:00	0.685	12.08	1.06
08/05/2011 10:00	0.681	12.11	1.06

08/05/2011 11:00	0.673	12.08	1.06
08/05/2011 12:00	0.677	12.06	1.06
08/05/2011 13:00	0.674	12.05	1.06
08/05/2011 14:00	0.672	12.1	1.06
08/05/2011 15:00	0.675	12.11	1.06
08/05/2011 16:00	0.679	12.08	1.06
08/05/2011 17:00	0.674	12.07	1.06
08/05/2011 18:00	0.682	12.1	1.06
08/05/2011 19:00	0.688	12.06	1.06
08/05/2011 20:00	0.683	12.08	1.06
08/05/2011 21:00	0.685	12.1	1.06
08/05/2011 22:00	0.685	12.06	1.06
08/05/2011 23:00	0.685	12.12	1.06
09/05/2011 00:00	0.684	12.06	1.06
09/05/2011 01:00	0.686	12.06	1.06
09/05/2011 02:00	0.685	12.08	1.06
09/05/2011 03:00	0.675	12.13	1.06
09/05/2011 04:00	0.68	12.07	1.06
09/05/2011 05:00	0.687	12.15	1.06
09/05/2011 06:00	0.683	12.07	1.06
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09/05/2011 08:00	0.673	12.08	1.06
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09/05/2011 10:00	0.669	12.08	1.06
09/05/2011 11:00	0.67	12.09	1.06
09/05/2011 12:00	0.668	12.08	1.06
09/05/2011 13:00	0.67	12.08	1.06
09/05/2011 14:00	0.675	12.05	1.06
09/05/2011 15:00	0.676	12.11	1.06
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09/05/2011 22:00	0.681	12.07	1.06
09/05/2011 23:00	0.679	12.07	1.06
10/05/2011 00:00	0.677	12.08	1.06
10/05/2011 01:00	0.679	12.07	1.06
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10/05/2011 05:00	0.685	12.09	1.06
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10/05/2011 10:00	0.665	12.1	1.06
10/05/2011 11:00	0.673	12.07	1.06
10/05/2011 12:00	0.674	12.05	1.06
10/05/2011 13:00	0.671	12.11	1.06
10/05/2011 14:00	0.67	12.08	1.06
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10/05/2011 16:00	0.673	12.15	1.06
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10/05/2011 18:00	0.679	12.07	1.06
10/05/2011 19:00	0.681	12.06	1.06
10/05/2011 20:00	0.683	12.06	1.06
10/05/2011 21:00	0.681	12.05	1.06

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10/05/2011 23:00	0.679	12.11	1.06
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11/05/2011 03:00	0.677	12.09	1.06
11/05/2011 04:00	0.679	12.11	1.06
11/05/2011 05:00	0.679	12.13	1.06
11/05/2011 06:00	0.677	12.06	1.06
11/05/2011 07:00	0.674	12.09	1.06
11/05/2011 08:00	0.669	12.07	1.06
11/05/2011 09:00	0.666	12.11	1.06
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11/05/2011 11:00	0.664	12.08	1.06
11/05/2011 12:00	0.676	12.12	1.06
11/05/2011 13:00	0.676	12.07	1.06
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11/05/2011 15:00	0.675	12.12	1.06
11/05/2011 16:00	0.682	12.07	1.06
11/05/2011 17:00	0.685	12.07	1.06
11/05/2011 18:00	0.681	12.07	1.06
11/05/2011 19:00	0.685	12.09	1.06
11/05/2011 20:00	0.685	12.06	1.06
11/05/2011 21:00	0.685	12.14	1.06
11/05/2011 22:00	0.685	12.06	1.06
11/05/2011 23:00	0.685	12.1	1.06
12/05/2011 00:00	0.681	12.13	1.06
12/05/2011 01:00	0.68	12.07	1.06
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12/05/2011 04:00	0.679	12.08	1.06
12/05/2011 05:00	0.681	12.06	1.06
12/05/2011 06:00	0.679	12.12	1.06
12/05/2011 07:00	0.677	12.08	1.06
12/05/2011 08:00	0.664	12.06	1.06
12/05/2011 09:00	0.667	12.08	1.06
12/05/2011 10:00	0.664	12.08	1.06
12/05/2011 11:00	0.664	12.08	1.06
12/05/2011 12:00	0.665	12.08	1.06
12/05/2011 13:00	0.665	12.12	1.06
12/05/2011 14:00	0.667	12.08	1.06
12/05/2011 15:00	0.667	12.06	1.06
12/05/2011 16:00	0.677	12.09	1.06
12/05/2011 17:00	0.675	12.09	1.06
12/05/2011 18:00	0.674	12.08	1.06
12/05/2011 19:00	0.679	12.09	1.06
12/05/2011 20:00	0.681	12.04	1.06
12/05/2011 21:00	0.679	12.08	1.06
12/05/2011 22:00	0.677	12.06	1.06
12/05/2011 23:00	0.682	12.07	1.06
13/05/2011 00:00	0.674	12.1	1.06
13/05/2011 01:00	0.675	12.07	1.06
13/05/2011 02:00	0.672	12.07	1.06
13/05/2011 03:00	0.673	12.04	1.06
13/05/2011 04:00	0.671	12.05	1.06
13/05/2011 05:00	0.675	12.09	1.06
13/05/2011 06:00	0.673	12.06	1.06
13/05/2011 07:00	0.668	12.08	1.06
13/05/2011 08:00	0.664	12.06	1.06

13/05/2011 09:00	0.663	12.09	1.06
13/05/2011 10:00	0.665	12.05	1.06
13/05/2011 11:00	0.67	12.08	1.06
13/05/2011 12:00	0.67	12.06	1.06
13/05/2011 13:00	0.671	12.07	1.06
13/05/2011 14:00	0.669	12.06	1.06
13/05/2011 15:00	0.665	12.11	1.06
13/05/2011 16:00	0.67	12.05	1.06
13/05/2011 17:00	0.674	12.06	1.06
13/05/2011 18:00	0.677	12.11	1.06
13/05/2011 19:00	0.684	12.09	1.06
13/05/2011 20:00	0.681	12.07	1.06
13/05/2011 21:00	0.683	12.04	1.06
13/05/2011 22:00	0.683	12.08	1.06
13/05/2011 23:00	0.684	12.07	1.06
14/05/2011 00:00	0.679	12.07	1.05
14/05/2011 01:00	0.679	12.13	1.06
14/05/2011 02:00	0.677	12.07	1.05
14/05/2011 03:00	0.678	12.04	1.05
14/05/2011 04:00	0.674	12.08	1.05
14/05/2011 05:00	0.675	12.05	1.05
14/05/2011 06:00	0.672	12.06	1.05
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14/05/2011 08:00	0.66	12.04	1.05
14/05/2011 09:00	0.66	12.1	1.06
14/05/2011 10:00	0.659	12.08	1.06
14/05/2011 11:00	0.662	12.09	1.06
14/05/2011 12:00	0.668	12.09	1.06
14/05/2011 13:00	0.665	12.05	1.06
14/05/2011 14:00	0.668	12.1	1.06
14/05/2011 15:00	0.664	12.06	1.06
14/05/2011 16:00	0.67	12.06	1.06
14/05/2011 17:00	0.666	12.1	1.06
14/05/2011 18:00	0.672	12.08	1.06
14/05/2011 19:00	0.671	12.11	1.06
14/05/2011 20:00	0.676	12.06	1.06
14/05/2011 21:00	0.672	12.05	1.05
14/05/2011 22:00	0.675	12.05	1.05
14/05/2011 23:00	0.675	12.07	1.06
15/05/2011 00:00	0.669	12.12	1.06
15/05/2011 01:00	0.673	12.04	1.05
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15/05/2011 03:00	0.667	12.09	1.06
15/05/2011 04:00	0.666	12.06	1.06
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15/05/2011 06:00	0.665	12.12	1.06
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15/05/2011 08:00	0.652	12.05	1.06
15/05/2011 09:00	0.654	12.05	1.06
15/05/2011 10:00	0.654	12.05	1.06
15/05/2011 11:00	0.657	12.07	1.06
15/05/2011 12:00	0.659	12.05	1.06
15/05/2011 13:00	0.657	12.1	1.06
15/05/2011 14:00	0.663	12.11	1.06
15/05/2011 15:00	0.661	12.04	1.06
15/05/2011 16:00	0.657	12.07	1.06
15/05/2011 17:00	0.66	12.04	1.06
15/05/2011 18:00	0.662	12.05	1.06
15/05/2011 19:00	0.668	12.04	1.06

15/05/2011 20:00	0.672	12.05	1.06
15/05/2011 21:00	0.667	12.08	1.06
15/05/2011 22:00	0.672	12.05	1.06
15/05/2011 23:00	0.672	12.06	1.06
16/05/2011 00:00	0.672	12.07	1.06
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16/05/2011 02:00	0.675	12.11	1.06
16/05/2011 03:00	0.671	12.08	1.06
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16/05/2011 10:00	0.655	12.07	1.06
16/05/2011 11:00	0.656	12.05	1.05
16/05/2011 12:00	0.657	12.06	1.05
16/05/2011 13:00	0.657	12.05	1.05
16/05/2011 14:00	0.655	12.09	1.06
16/05/2011 15:00	0.655	12.07	1.05
16/05/2011 16:00	0.656	12.06	1.05
16/05/2011 17:00	0.658	12.05	1.05
16/05/2011 18:00	0.659	12.07	1.05
16/05/2011 19:00	0.663	12.04	1.05
16/05/2011 20:00	0.665	12.08	1.06
16/05/2011 21:00	0.667	12.05	1.05
16/05/2011 22:00	0.67	12.07	1.06
16/05/2011 23:00	0.669	12.05	1.06
17/05/2011 00:00	0.677	12.1	1.06
17/05/2011 01:00	0.679	12.06	1.05
17/05/2011 02:00	0.675	12.1	1.06
17/05/2011 03:00	0.675	12.08	1.06
17/05/2011 04:00	0.673	12.09	1.06
17/05/2011 05:00	0.668	12.05	1.05
17/05/2011 06:00	0.669	12.08	1.06
17/05/2011 07:00	0.668	12.04	1.05
17/05/2011 08:00	0.662	12.11	1.06
17/05/2011 09:00	0.657	12.12	1.06
17/05/2011 10:00	0.659	12.08	1.06
17/05/2011 11:00	0.657	12.08	1.05
17/05/2011 12:00	0.656	12.06	1.05
17/05/2011 13:00	0.659	12.07	1.05
17/05/2011 14:00	0.668	12.06	1.05
17/05/2011 15:00	0.665	12.08	1.05
17/05/2011 16:00	0.669	12.1	1.06
17/05/2011 17:00	0.669	12.06	1.05
17/05/2011 18:00	0.67	12.07	1.05
17/05/2011 19:00	0.666	12.1	1.06
17/05/2011 20:00	0.67	12.11	1.06
17/05/2011 21:00	0.669	12.03	1.05
17/05/2011 22:00	0.672	12.05	1.06
17/05/2011 23:00	0.674	12.06	1.06
18/05/2011 00:00	0.676	12.09	1.06
18/05/2011 01:00	0.677	12.07	1.05
18/05/2011 02:00	0.678	12.08	1.06
18/05/2011 03:00	0.675	12.12	1.06
18/05/2011 04:00	0.678	12.09	1.05
18/05/2011 05:00	0.677	12.07	1.05
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18/05/2011 11:00	0.668	12.1	1.05
18/05/2011 12:00	0.664	12.07	1.05
18/05/2011 13:00	0.658	12.13	1.05
18/05/2011 14:00	0.66	12.04	1.05
18/05/2011 15:00	0.662	12.06	1.05
18/05/2011 16:00	0.666	12.05	1.05
18/05/2011 17:00	0.664	12.11	1.05
18/05/2011 18:00	0.665	12.09	1.05
18/05/2011 19:00	0.664	12.04	1.05
18/05/2011 20:00	0.668	12.06	1.05
18/05/2011 21:00	0.666	12.04	1.05
18/05/2011 22:00	0.67	12.07	1.05
18/05/2011 23:00	0.669	12.04	1.05
19/05/2011 00:00	0.668	12.05	1.05
19/05/2011 01:00	0.673	12.04	1.05
19/05/2011 02:00	0.675	12.07	1.05
19/05/2011 03:00	0.675	12.06	1.05
19/05/2011 04:00	0.674	12.11	1.05
19/05/2011 05:00	0.67	12.08	1.05
19/05/2011 06:00	0.666	12.04	1.05
19/05/2011 07:00	0.662	12.06	1.05
19/05/2011 08:00	0.65	12.06	1.06
19/05/2011 09:00	0.651	12.05	1.05
19/05/2011 10:00	0.649	12.04	1.05
19/05/2011 11:00	0.651	12.13	1.06
19/05/2011 12:00	0.656	12.07	1.06
19/05/2011 13:00	0.663	12.08	1.06
19/05/2011 14:00	0.659	12.08	1.06
19/05/2011 15:00	0.658	12.07	1.06
19/05/2011 16:00	0.659	12.08	1.06
19/05/2011 17:00	0.659	12.07	1.06
19/05/2011 18:00	0.66	12.09	1.06
19/05/2011 19:00	0.665	12.06	1.05
19/05/2011 20:00	0.665	12.04	1.05
19/05/2011 21:00	0.666	12.06	1.05
19/05/2011 22:00	0.666	12.05	1.05
19/05/2011 23:00	0.667	12.06	1.05
20/05/2011 00:00	0.668	12.05	1.05
20/05/2011 01:00	0.67	12.07	1.05
20/05/2011 02:00	0.673	12.08	1.05
20/05/2011 03:00	0.673	12.07	1.05
20/05/2011 04:00	0.673	12.05	1.05
20/05/2011 05:00	0.676	12.05	1.05
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20/05/2011 08:00	0.657	12.09	1.05
20/05/2011 09:00	0.652	12.04	1.05
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20/05/2011 11:00	0.653	12.06	1.05
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20/05/2011 15:00	0.656	12.05	1.05
20/05/2011 16:00	0.659	12.04	1.05
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20/05/2011 19:00	0.662	12.04	1.05
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20/05/2011 21:00	0.667	12.08	1.06
20/05/2011 22:00	0.663	12.07	1.06
20/05/2011 23:00	0.666	12.05	1.06
21/05/2011 00:00	0.666	12.06	1.06
21/05/2011 01:00	0.665	12.13	1.06
21/05/2011 02:00	0.665	12.1	1.06
21/05/2011 03:00	0.67	12.08	1.06
21/05/2011 04:00	0.667	12.07	1.05
21/05/2011 05:00	0.67	12.05	1.05
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21/05/2011 07:00	0.66	12.05	1.05
21/05/2011 08:00	0.65	12.06	1.05
21/05/2011 09:00	0.651	12.09	1.06
21/05/2011 10:00	0.647	12.09	1.06
21/05/2011 11:00	0.649	12.07	1.06
21/05/2011 12:00	0.652	12.06	1.06
21/05/2011 13:00	0.655	12.04	1.05
21/05/2011 14:00	0.653	12.07	1.05
21/05/2011 15:00	0.654	12.1	1.06
21/05/2011 16:00	0.66	12.07	1.05
21/05/2011 17:00	0.664	12.1	1.06
21/05/2011 18:00	0.666	12.07	1.05
21/05/2011 19:00	0.673	12.05	1.05
21/05/2011 20:00	0.674	12.06	1.05
21/05/2011 21:00	0.672	12.1	1.05
21/05/2011 22:00	0.67	12.08	1.05
21/05/2011 23:00	0.668	12.06	1.05
22/05/2011 00:00	0.67	12.05	1.05
22/05/2011 01:00	0.673	12.05	1.05
22/05/2011 02:00	0.673	12.08	1.05
22/05/2011 03:00	0.676	12.04	1.05
22/05/2011 04:00	0.675	12.05	1.05
22/05/2011 05:00	0.674	12.06	1.05
22/05/2011 06:00	0.671	12.06	1.05
22/05/2011 07:00	0.67	12.1	1.05
22/05/2011 08:00	0.668	12.05	1.05
22/05/2011 09:00	0.659	12.05	1.05
22/05/2011 10:00	0.647	12.05	1.05
22/05/2011 11:00	0.649	12.05	1.05
22/05/2011 12:00	0.651	12.06	1.05
22/05/2011 13:00	0.653	12.07	1.05
22/05/2011 14:00	0.649	12.06	1.05
22/05/2011 15:00	0.651	12.06	1.05
22/05/2011 16:00	0.655	12.06	1.05
22/05/2011 17:00	0.651	12.06	1.05
22/05/2011 18:00	0.645	12.04	1.05
22/05/2011 19:00	0.657	12.03	1.05
22/05/2011 20:00	0.657	12.06	1.05
22/05/2011 21:00	0.659	12.05	1.05
22/05/2011 22:00	0.657	12.05	1.06
22/05/2011 23:00	0.65	12.06	1.06
23/05/2011 00:00	0.656	12.04	1.06
23/05/2011 01:00	0.656	12.05	1.06
23/05/2011 02:00	0.656	12.05	1.06
23/05/2011 03:00	0.66	12.06	1.06
23/05/2011 04:00	0.663	12.05	1.06

23/05/2011 05:00	0.659	12.05	1.06
23/05/2011 06:00	0.66	12.09	1.06
23/05/2011 07:00	0.658	12.08	1.06
23/05/2011 08:00	0.647	12.05	1.05
23/05/2011 09:00	0.648	12.05	1.06
23/05/2011 10:00	0.648	12.05	1.05
23/05/2011 11:00	0.647	12.08	1.06
23/05/2011 12:00	0.653	12.05	1.05
23/05/2011 13:00	0.653	12.08	1.06
23/05/2011 14:00	0.653	12.06	1.05
23/05/2011 15:00	0.652	12.12	1.06
23/05/2011 16:00	0.655	12.04	1.05
23/05/2011 17:00	0.652	12.07	1.06
23/05/2011 18:00	0.651	12.05	1.05
23/05/2011 19:00	0.657	12.07	1.06
23/05/2011 20:00	0.659	12.06	1.06
23/05/2011 21:00	0.656	12.05	1.06
23/05/2011 22:00	0.656	12.05	1.06
23/05/2011 23:00	0.654	12.06	1.06
24/05/2011 00:00	0.654	12.04	1.06
24/05/2011 01:00	0.657	12.04	1.06
24/05/2011 02:00	0.657	12.04	1.06
24/05/2011 03:00	0.655	12.04	1.06
24/05/2011 04:00	0.651	12.06	1.06
24/05/2011 05:00	0.649	12.04	1.06
24/05/2011 06:00	0.651	12.03	1.06
24/05/2011 07:00	0.641	12.07	1.06
24/05/2011 08:00	0.633	12.05	1.06
24/05/2011 09:00	0.632	12.04	1.06
24/05/2011 10:00	0.634	12.06	1.06
24/05/2011 11:00	0.636	12.07	1.06
24/05/2011 12:00	0.64	12.05	1.06
24/05/2011 13:00	0.636	12.05	1.06
24/05/2011 14:00	0.635	12.07	1.06
24/05/2011 15:00	-2.067	30.85	0
24/05/2011 16:00	0.642	12.16	1.02
24/05/2011 17:00	0.653	12.04	1.02
24/05/2011 18:00	0.649	12.04	1.02
24/05/2011 19:00	0.656	12.02	1.03
24/05/2011 20:00	0.663	12.03	1.03
24/05/2011 21:00	0.661	12.05	1.03
24/05/2011 22:00	0.655	12.05	1.04
24/05/2011 23:00	0.657	12.04	1.04
25/05/2011 00:00	0.649	12.04	1.03
25/05/2011 01:00	0.65	12.04	1.03
25/05/2011 02:00	0.649	12.1	1.04
25/05/2011 03:00	0.648	12.11	1.04
25/05/2011 04:00	0.65	12.03	1.04
25/05/2011 05:00	0.649	12.06	1.04
25/05/2011 06:00	0.649	12.05	1.04
25/05/2011 07:00	0.645	12.07	1.04
25/05/2011 08:00	0.64	12.04	1.04
25/05/2011 09:00	0.639	12.05	1.04
25/05/2011 10:00	0.635	12.06	1.04
25/05/2011 11:00	0.638	12.11	1.04
25/05/2011 12:00	0.641	12.05	1.04
25/05/2011 13:00	0.638	12.06	1.04
25/05/2011 14:00	0.642	12.06	1.04
25/05/2011 15:00	0.641	12.05	1.04

25/05/2011 16:00	0.648	12.06	1.04
25/05/2011 17:00	0.647	12.06	1.04
25/05/2011 18:00	0.651	12.07	1.04
25/05/2011 19:00	0.661	12.06	1.04
25/05/2011 20:00	0.662	12.08	1.04
25/05/2011 21:00	0.662	12.06	1.04
25/05/2011 22:00	0.663	12.08	1.04
25/05/2011 23:00	0.662	12.05	1.04
26/05/2011 00:00	0.662	12.05	1.04
26/05/2011 01:00	0.666	12.03	1.04
26/05/2011 02:00	0.669	12.04	1.04
26/05/2011 03:00	0.667	12.06	1.04
26/05/2011 04:00	0.669	12.04	1.04
26/05/2011 05:00	0.665	12.06	1.04
26/05/2011 06:00	0.658	12.06	1.04
26/05/2011 07:00	0.663	12.06	1.04
26/05/2011 08:00	0.663	12.05	1.04
26/05/2011 09:00	0.656	12.06	1.04
26/05/2011 10:00	0.654	12.05	1.04
26/05/2011 11:00	0.65	12.08	1.04
26/05/2011 12:00	0.649	12.06	1.04
26/05/2011 13:00	0.647	12.06	1.04
26/05/2011 14:00	0.651	12.06	1.04
26/05/2011 15:00	0.644	12.05	1.04
26/05/2011 16:00	0.66	12.08	1.03
26/05/2011 17:00	0.659	12.09	1.04
26/05/2011 18:00	0.649	12.08	1.04
26/05/2011 19:00	0.653	12.08	1.04
26/05/2011 20:00	0.659	12.08	1.04
26/05/2011 21:00	0.658	12.07	1.04
26/05/2011 22:00	0.654	12.07	1.04
26/05/2011 23:00	0.656	12.09	1.04
27/05/2011 00:00	0.652	12.08	1.04
27/05/2011 01:00	0.654	12.07	1.04
27/05/2011 02:00	0.652	12.08	1.04
27/05/2011 03:00	0.646	12.08	1.04
27/05/2011 04:00	0.654	12.09	1.04
27/05/2011 05:00	0.65	12.09	1.04
27/05/2011 06:00	0.648	12.09	1.05
27/05/2011 07:00	0.642	12.08	1.04
27/05/2011 08:00	0.638	12.09	1.04
27/05/2011 09:00	0.647	12.1	1.04
27/05/2011 10:00	0.641	12.09	1.04
27/05/2011 11:00	0.648	12.16	1.04
27/05/2011 12:00	0.644	12.09	1.04
27/05/2011 13:00	0.646	12.1	1.04
27/05/2011 14:00	0.643	12.08	1.04
27/05/2011 15:00	0.636	12.13	1.04
27/05/2011 16:00	0.64	12.08	1.04
27/05/2011 17:00	0.643	12.08	1.04
27/05/2011 18:00	0.644	12.1	1.04
27/05/2011 19:00	0.643	12.1	1.04
27/05/2011 20:00	0.65	12.08	1.04
27/05/2011 21:00	0.649	12.1	1.03
27/05/2011 22:00	0.652	12.09	1.03
27/05/2011 23:00	0.647	12.1	1.03
28/05/2011 00:00	0.652	12.09	1.03
28/05/2011 01:00	0.648	12.1	1.03
28/05/2011 02:00	0.647	12.09	1.03

28/05/2011 03:00	0.648	12.09	1.03
28/05/2011 04:00	0.644	12.1	1.03
28/05/2011 05:00	0.644	12.09	1.02
28/05/2011 06:00	0.641	12.11	1.02
28/05/2011 07:00	0.641	12.08	1.02
28/05/2011 08:00	0.641	12.08	1.02
28/05/2011 09:00	0.647	12.1	1.02
28/05/2011 10:00	0.643	12.09	1.02
28/05/2011 11:00	0.638	12.09	1.02
28/05/2011 12:00	0.641	12.1	1.02
28/05/2011 13:00	0.645	12.09	1.02
28/05/2011 14:00	0.645	12.09	1.02
28/05/2011 15:00	0.644	12.09	1.02
28/05/2011 16:00	0.642	12.1	1.02
28/05/2011 17:00	0.643	12.09	1.02
28/05/2011 18:00	0.642	12.09	1.01
28/05/2011 19:00	0.647	12.08	1.01
28/05/2011 20:00	0.644	12.08	1.01
28/05/2011 21:00	0.648	12.1	1.01
28/05/2011 22:00	0.651	12.08	1.01
28/05/2011 23:00	0.651	12.11	1.02
29/05/2011 00:00	0.652	12.1	1.01
29/05/2011 01:00	0.654	12.09	1.01
29/05/2011 02:00	0.65	12.1	1.01
29/05/2011 03:00	0.65	12.1	1.02
29/05/2011 04:00	0.654	12.09	1.02
29/05/2011 05:00	0.651	12.09	1.02
29/05/2011 06:00	0.646	12.08	1.01
29/05/2011 07:00	0.644	12.09	1.02
29/05/2011 08:00	0.641	12.09	1.01
29/05/2011 09:00	0.641	12.08	1.01
29/05/2011 10:00	0.639	12.09	1.01
29/05/2011 11:00	0.639	12.08	1.01
29/05/2011 12:00	0.643	12.09	1.01
29/05/2011 13:00	0.639	12.08	1.01
29/05/2011 14:00	0.646	12.09	1.01
29/05/2011 15:00	0.638	12.09	1.01
29/05/2011 16:00	0.645	12.08	1.01
29/05/2011 17:00	0.645	12.09	1.01
29/05/2011 18:00	0.641	12.07	1.01
29/05/2011 19:00	0.643	12.08	1.01
29/05/2011 20:00	0.643	12.09	1.01
29/05/2011 21:00	0.646	12.08	1.01
29/05/2011 22:00	0.643	12.1	1.02
29/05/2011 23:00	0.648	12.11	1.02
30/05/2011 00:00	0.648	12.1	1.02
30/05/2011 01:00	0.648	12.08	1.02
30/05/2011 02:00	0.646	12.08	1.02
30/05/2011 03:00	0.65	12.08	1.02
30/05/2011 04:00	0.649	12.08	1.02
30/05/2011 05:00	0.646	12.09	1.02
30/05/2011 06:00	0.645	12.1	1.02
30/05/2011 07:00	0.639	12.09	1.01
30/05/2011 08:00	0.638	12.11	1.02
30/05/2011 09:00	0.638	12.08	1.02
30/05/2011 10:00	0.637	12.09	1.02
30/05/2011 11:00	0.634	12.08	1.02
30/05/2011 12:00	0.643	12.09	1.02
30/05/2011 13:00	0.642	12.09	1.02

30/05/2011 14:00	0.641	12.09	1.02
30/05/2011 15:00	0.642	12.1	1.02
30/05/2011 16:00	0.647	12.09	1.02
30/05/2011 17:00	0.648	12.08	1.02
30/05/2011 18:00	0.648	12.07	1.02
30/05/2011 19:00	0.644	12.09	1.02
30/05/2011 20:00	0.644	12.08	1.02
30/05/2011 21:00	0.649	12.08	1.02
30/05/2011 22:00	0.648	12.08	1.02
30/05/2011 23:00	0.648	12.08	1.02
31/05/2011 00:00	0.65	12.07	1.02
31/05/2011 01:00	0.65	12.07	1.02
31/05/2011 02:00	0.649	12.08	1.02
31/05/2011 03:00	0.647	12.07	1.02
31/05/2011 04:00	0.65	12.08	1.02
31/05/2011 05:00	0.645	12.09	1.02
31/05/2011 06:00	0.642	12.07	1.02
31/05/2011 07:00	0.637	12.08	1.02
31/05/2011 08:00	0.633	12.08	1.02
31/05/2011 09:00	0.633	12.08	1.02
31/05/2011 10:00	0.632	12.07	1.02
31/05/2011 11:00	0.632	12.09	1.02
31/05/2011 12:00	0.631	12.09	1.02
31/05/2011 13:00	0.638	12.08	1.02
31/05/2011 14:00	0.639	12.09	1.02
31/05/2011 15:00	0.647	12.08	1.02
31/05/2011 16:00	0.644	12.08	1.02
31/05/2011 17:00	0.641	12.07	1.02
31/05/2011 18:00	0.646	12.08	1.03
31/05/2011 19:00	0.646	12.09	1.03
31/05/2011 20:00	0.642	12.09	1.03
31/05/2011 21:00	0.644	12.09	1.04
31/05/2011 22:00	0.647	12.09	1.04
31/05/2011 23:00	0.645	12.09	1.04
01/06/2011 00:00	0.645	12.11	1.04
01/06/2011 01:00	0.642	12.11	1.04
01/06/2011 02:00	0.641	12.1	1.04
01/06/2011 03:00	0.641	12.11	1.04
01/06/2011 04:00	0.644	12.1	1.04
01/06/2011 05:00	0.638	12.11	1.04
01/06/2011 06:00	0.637	12.1	1.04
01/06/2011 07:00	0.627	12.1	1.04
01/06/2011 08:00	0.63	12.09	1.04
01/06/2011 09:00	0.627	12.1	1.04
01/06/2011 10:00	0.628	12.1	1.04
01/06/2011 11:00	0.632	12.11	1.04
01/06/2011 12:00	0.64	12.1	1.03
01/06/2011 13:00	0.641	12.11	1.03
01/06/2011 14:00	0.641	12.1	1.03
01/06/2011 15:00	0.64	12.1	1.03
01/06/2011 16:00	0.641	12.11	1.03
01/06/2011 17:00	0.641	12.11	1.03
01/06/2011 18:00	0.636	12.1	1.03
01/06/2011 19:00	0.64	12.1	1.03
01/06/2011 20:00	0.64	12.09	1.03
01/06/2011 21:00	0.643	12.1	1.03
01/06/2011 22:00	0.638	12.1	1.02
01/06/2011 23:00	0.635	12.1	1.02
02/06/2011 00:00	0.637	12.11	1.02

02/06/2011 01:00	0.642	12.11	1.02
02/06/2011 02:00	0.644	12.1	1.02
02/06/2011 03:00	0.64	12.11	1.02
02/06/2011 04:00	0.636	12.1	1.02
02/06/2011 05:00	0.635	12.1	1.02
02/06/2011 06:00	0.633	12.1	1.02
02/06/2011 07:00	0.632	12.1	1.02
02/06/2011 08:00	0.621	12.1	1.02
02/06/2011 09:00	0.62	12.1	1.02
02/06/2011 10:00	0.625	12.11	1.02
02/06/2011 11:00	0.623	12.11	1.02
02/06/2011 12:00	0.627	12.12	1.02
02/06/2011 13:00	0.627	12.11	1.02
02/06/2011 14:00	0.628	12.11	1.02
02/06/2011 15:00	0.629	12.12	1.02
02/06/2011 16:00	0.628	12.11	1.01
02/06/2011 17:00	0.626	12.12	1.01
02/06/2011 18:00	0.634	12.1	1.01
02/06/2011 19:00	0.636	12.11	1.01
02/06/2011 20:00	0.639	12.1	1.01
02/06/2011 21:00	0.636	12.1	1.01
02/06/2011 22:00	0.638	12.11	1.01
02/06/2011 23:00	0.643	12.12	1.01
03/06/2011 00:00	0.639	12.11	1.01
03/06/2011 01:00	0.644	12.1	1.01
03/06/2011 02:00	0.642	12.1	1.01
03/06/2011 03:00	0.644	12.11	1.01
03/06/2011 04:00	0.643	12.1	1.01
03/06/2011 05:00	0.644	12.11	1.01
03/06/2011 06:00	0.641	12.1	1.01
03/06/2011 07:00	0.639	12.11	1.01
03/06/2011 08:00	0.637	12.11	1.01
03/06/2011 09:00	0.639	12.11	1.01
03/06/2011 10:00	0.635	12.11	1.01
03/06/2011 11:00	0.633	12.13	1
03/06/2011 12:00	0.632	12.12	1
03/06/2011 13:00	0.629	12.09	1.01
03/06/2011 14:00	0.635	12.11	1.01
03/06/2011 15:00	0.635	12.11	1.01
03/06/2011 16:00	0.638	12.11	1.01
03/06/2011 17:00	0.631	12.12	1.01
03/06/2011 18:00	0.636	12.11	1.01
03/06/2011 19:00	0.641	12.11	1.01
03/06/2011 20:00	0.639	12.11	1.01
03/06/2011 21:00	0.644	12.11	1.01
03/06/2011 22:00	0.642	12.11	1
03/06/2011 23:00	0.648	12.11	1
04/06/2011 00:00	0.646	12.11	1
04/06/2011 01:00	0.648	12.11	1
04/06/2011 02:00	0.648	12.11	1
04/06/2011 03:00	0.65	12.1	1
04/06/2011 04:00	0.656	12.09	1
04/06/2011 05:00	0.654	12.09	1
04/06/2011 06:00	0.65	12.1	1
04/06/2011 07:00	0.645	12.1	1
04/06/2011 08:00	0.642	12.1	1
04/06/2011 09:00	0.636	12.09	1
04/06/2011 10:00	0.631	12.09	1
04/06/2011 11:00	0.635	12.09	1

04/06/2011 12:00	0.638	12.11	1
04/06/2011 13:00	0.64	12.1	1
04/06/2011 14:00	0.643	12.1	1
04/06/2011 15:00	0.645	12.1	1
04/06/2011 16:00	0.644	12.1	1
04/06/2011 17:00	0.651	12.1	1
04/06/2011 18:00	0.652	12.1	1
04/06/2011 19:00	0.656	12.09	1
04/06/2011 20:00	0.653	12.09	1.01
04/06/2011 21:00	0.652	12.1	1
04/06/2011 22:00	0.654	12.09	1
04/06/2011 23:00	0.654	12.1	1.01
05/06/2011 00:00	0.656	12.1	1
05/06/2011 01:00	0.657	12.11	1
05/06/2011 02:00	0.66	12.09	1
05/06/2011 03:00	0.663	12.09	1
05/06/2011 04:00	0.664	12.1	1
05/06/2011 05:00	0.666	12.1	1
05/06/2011 06:00	0.659	12.11	1
05/06/2011 07:00	0.656	12.11	1
05/06/2011 08:00	0.653	12.09	1
05/06/2011 09:00	0.648	12.1	1
05/06/2011 10:00	0.651	12.11	1.01
05/06/2011 11:00	0.646	12.1	1.01
05/06/2011 12:00	0.648	12.1	1.01
05/06/2011 13:00	0.652	12.11	1.01
05/06/2011 14:00	0.653	12.1	1.01
05/06/2011 15:00	0.654	12.1	1.01
05/06/2011 16:00	0.657	12.09	1.01
05/06/2011 17:00	0.659	12.1	1.01
05/06/2011 18:00	0.662	12.1	1.01
05/06/2011 19:00	0.662	12.1	1.01
05/06/2011 20:00	0.666	12.09	1
05/06/2011 21:00	0.667	12.09	1
05/06/2011 22:00	0.664	12.09	1.01
05/06/2011 23:00	0.66	12.09	1
06/06/2011 00:00	0.663	12.09	1.01
06/06/2011 01:00	0.669	12.1	1.01
06/06/2011 02:00	0.666	12.1	1.01
06/06/2011 03:00	0.675	12.09	1.01
06/06/2011 04:00	0.667	12.1	1.01
06/06/2011 05:00	0.675	12.1	1.01
06/06/2011 06:00	0.669	12.1	1.01
06/06/2011 07:00	0.667	12.1	1.01
06/06/2011 08:00	0.665	12.1	1.01
06/06/2011 09:00	0.665	12.1	1.01
06/06/2011 10:00	0.66	12.1	1.01
06/06/2011 11:00	0.661	12.11	1.01
06/06/2011 12:00	0.663	12.11	1.01
06/06/2011 13:00	0.66	12.1	1.01
06/06/2011 14:00	0.666	12.1	1.01
06/06/2011 15:00	0.661	12.1	1.01
06/06/2011 16:00	0.655	12.1	1.01
06/06/2011 17:00	0.653	12.1	1.01
06/06/2011 18:00	0.651	12.1	1.01
06/06/2011 19:00	0.656	12.09	1.01
06/06/2011 20:00	0.66	12.1	1.01
06/06/2011 21:00	0.658	12.1	1.01
06/06/2011 22:00	0.66	12.1	1.02

06/06/2011 23:00	0.658	12.1	1.02
07/06/2011 00:00	0.658	12.1	1.02
07/06/2011 01:00	0.662	12.1	1.02
07/06/2011 02:00	0.663	12.1	1.02
07/06/2011 03:00	0.667	12.11	1.02
07/06/2011 04:00	0.666	12.1	1.02
07/06/2011 05:00	0.671	12.09	1.01
07/06/2011 06:00	0.665	12.1	1.01
07/06/2011 07:00	0.661	12.11	1.02
07/06/2011 08:00	0.664	12.11	1.02
07/06/2011 09:00	0.652	12.1	1.02
07/06/2011 10:00	0.65	12.11	1.02
07/06/2011 11:00	0.645	12.11	1.02
07/06/2011 12:00	0.647	12.11	1.02
07/06/2011 13:00	0.649	12.11	1.02
07/06/2011 14:00	0.658	12.11	1.02
07/06/2011 15:00	0.651	12.11	1.02
07/06/2011 16:00	0.655	12.11	1.02
07/06/2011 17:00	0.655	12.11	1.02
07/06/2011 18:00	0.657	12.11	1.02
07/06/2011 19:00	0.668	12.1	1.02
07/06/2011 20:00	0.665	12.1	1.02
07/06/2011 21:00	0.665	12.11	1.02
07/06/2011 22:00	0.664	12.1	1.02
07/06/2011 23:00	0.662	12.1	1.02
08/06/2011 00:00	0.664	12.11	1.02
08/06/2011 01:00	0.659	12.11	1.02
08/06/2011 02:00	0.664	12.11	1.02
08/06/2011 03:00	0.66	12.1	1.02
08/06/2011 04:00	0.662	12.1	1.02
08/06/2011 05:00	0.663	12.11	1.02
08/06/2011 06:00	0.66	12.11	1.02
08/06/2011 07:00	0.657	12.12	1.02
08/06/2011 08:00	0.648	12.11	1.02
08/06/2011 09:00	0.644	12.11	1.02
08/06/2011 10:00	0.645	12.12	1.02
08/06/2011 11:00	0.643	12.12	1.02
08/06/2011 12:00	0.645	12.11	1.02
08/06/2011 13:00	0.656	12.12	1.02
08/06/2011 14:00	0.651	12.11	1.02
08/06/2011 15:00	0.649	12.12	1.02
08/06/2011 16:00	0.646	12.11	1.02
08/06/2011 17:00	0.654	12.11	1.02
08/06/2011 18:00	0.652	12.11	1.02
08/06/2011 19:00	0.655	12.11	1.02
08/06/2011 20:00	0.657	12.11	1.02
08/06/2011 21:00	0.658	12.12	1.02
08/06/2011 22:00	0.654	12.11	1.02
08/06/2011 23:00	0.648	12.11	1.02
09/06/2011 00:00	0.65	12.12	1.02
09/06/2011 01:00	0.649	12.11	1.02
09/06/2011 02:00	0.649	12.11	1.02
09/06/2011 03:00	0.652	12.12	1.02
09/06/2011 04:00	0.652	12.12	1.02
09/06/2011 05:00	0.65	12.12	1.02
09/06/2011 06:00	0.645	12.12	1.03
09/06/2011 07:00	0.642	12.13	1.03
09/06/2011 08:00	0.633	12.13	1.03
09/06/2011 09:00	0.631	12.13	1.03

09/06/2011 10:00	0.632	12.13	1.03
09/06/2011 11:00	0.631	12.13	1.03
09/06/2011 12:00	0.633	12.13	1.03
09/06/2011 13:00	0.638	12.13	1.04
09/06/2011 14:00	0.638	12.13	1.04
09/06/2011 15:00	0.639	12.13	1.04
09/06/2011 16:00	0.641	12.13	1.04
09/06/2011 17:00	0.648	12.14	1.04
09/06/2011 18:00	0.646	12.14	1.04
09/06/2011 19:00	0.648	12.14	1.04
09/06/2011 20:00	0.646	12.14	1.04
09/06/2011 21:00	0.648	12.14	1.04
09/06/2011 22:00	0.646	12.14	1.04
09/06/2011 23:00	0.643	12.14	1.04
10/06/2011 00:00	0.643	12.14	1.05
10/06/2011 01:00	0.642	12.14	1.05
10/06/2011 02:00	0.643	12.14	1.05
10/06/2011 03:00	0.64	12.14	1.05
10/06/2011 04:00	0.637	12.14	1.05
10/06/2011 05:00	0.642	12.14	1.05
10/06/2011 06:00	0.64	12.14	1.05
10/06/2011 07:00	0.639	12.14	1.05
10/06/2011 08:00	0.63	12.14	1.06
10/06/2011 09:00	0.63	12.14	1.06
10/06/2011 10:00	0.632	12.14	1.06
10/06/2011 11:00	0.633	12.14	1.06
10/06/2011 12:00	0.634	12.15	1.06
10/06/2011 13:00	0.636	12.14	1.06
10/06/2011 14:00	0.634	12.15	1.06
10/06/2011 15:00	0.629	12.15	1.06
10/06/2011 16:00	0.631	12.15	1.06
10/06/2011 17:00	0.638	12.14	1.06
10/06/2011 18:00	0.639	12.15	1.05
10/06/2011 19:00	0.642	12.15	1.06
10/06/2011 20:00	0.642	12.14	1.06
10/06/2011 21:00	0.642	12.14	1.06
10/06/2011 22:00	0.643	12.15	1.06
10/06/2011 23:00	0.638	12.14	1.06
11/06/2011 00:00	0.642	12.15	1.06
11/06/2011 01:00	0.638	12.15	1.06
11/06/2011 02:00	0.639	12.15	1.06
11/06/2011 03:00	0.636	12.14	1.06
11/06/2011 04:00	0.635	12.15	1.06
11/06/2011 05:00	0.633	12.15	1.06
11/06/2011 06:00	0.634	12.15	1.05
11/06/2011 07:00	0.634	12.15	1.05
11/06/2011 08:00	0.632	12.15	1.05
11/06/2011 09:00	0.633	12.15	1.05
11/06/2011 10:00	0.631	12.15	1.05
11/06/2011 11:00	0.627	12.15	1.05
11/06/2011 12:00	0.628	12.15	1.05
11/06/2011 13:00	0.624	12.15	1.05
11/06/2011 14:00	0.625	12.15	1.05
11/06/2011 15:00	0.626	12.15	1.05
11/06/2011 16:00	0.628	12.15	1.05
11/06/2011 17:00	0.626	12.15	1.05
11/06/2011 18:00	0.63	12.15	1.05
11/06/2011 19:00	0.638	12.16	1.05
11/06/2011 20:00	0.641	12.15	1.06

11/06/2011 21:00	0.646	12.15	1.06
11/06/2011 22:00	0.644	12.16	1.06
11/06/2011 23:00	0.644	12.15	1.06
12/06/2011 00:00	0.64	12.15	1.06
12/06/2011 01:00	0.64	12.16	1.06
12/06/2011 02:00	0.638	12.16	1.06
12/06/2011 03:00	0.635	12.16	1.05
12/06/2011 04:00	0.638	12.16	1.05
12/06/2011 05:00	0.638	12.16	1.05
12/06/2011 06:00	0.637	12.16	1.05
12/06/2011 07:00	0.633	12.15	1.05
12/06/2011 08:00	0.627	12.15	1.05
12/06/2011 09:00	0.628	12.16	1.05
12/06/2011 10:00	0.63	12.15	1.05
12/06/2011 11:00	0.632	12.16	1.05
12/06/2011 12:00	0.633	12.16	1.05
12/06/2011 13:00	0.64	12.15	1.05
12/06/2011 14:00	0.638	12.16	1.05
12/06/2011 15:00	0.642	12.16	1.05
12/06/2011 16:00	0.646	12.16	1.05
12/06/2011 17:00	0.648	12.16	1.05
12/06/2011 18:00	0.65	12.16	1.05
12/06/2011 19:00	0.658	12.16	1.05
12/06/2011 20:00	0.655	12.16	1.05
12/06/2011 21:00	0.659	12.16	1.05
12/06/2011 22:00	0.657	12.16	1.05
12/06/2011 23:00	0.66	12.16	1.05
13/06/2011 00:00	0.654	12.16	1.05
13/06/2011 01:00	0.659	12.16	1.05
13/06/2011 02:00	0.657	12.16	1.05
13/06/2011 03:00	0.654	12.16	1.05
13/06/2011 04:00	0.651	12.16	1.04
13/06/2011 05:00	0.649	12.16	1.04
13/06/2011 06:00	0.643	12.16	1.04
13/06/2011 07:00	0.643	12.16	1.04
13/06/2011 08:00	0.645	12.16	1.04
13/06/2011 09:00	0.648	12.16	1.04
13/06/2011 10:00	0.645	12.17	1.04
13/06/2011 11:00	0.639	12.16	1.04
13/06/2011 12:00	0.639	12.16	1.04
13/06/2011 13:00	0.639	12.17	1.04
13/06/2011 14:00	0.633	12.16	1.04
13/06/2011 15:00	0.632	12.16	1.04
13/06/2011 16:00	0.633	12.16	1.04
13/06/2011 17:00	0.626	12.17	1.04
13/06/2011 18:00	0.627	12.17	1.04
13/06/2011 19:00	0.639	12.16	1.04
13/06/2011 20:00	0.645	12.16	1.04
13/06/2011 21:00	0.643	12.17	1.04
13/06/2011 22:00	0.643	12.17	1.04
13/06/2011 23:00	0.644	12.17	1.04
14/06/2011 00:00	0.641	12.17	1.04
14/06/2011 01:00	0.642	12.17	1.04
14/06/2011 02:00	0.645	12.17	1.04
14/06/2011 03:00	0.643	12.17	1.04
14/06/2011 04:00	0.64	12.17	1.04
14/06/2011 05:00	0.638	12.17	1.04
14/06/2011 06:00	0.637	12.17	1.04
14/06/2011 07:00	0.631	12.17	1.04

14/06/2011 08:00	0.618	12.17	1.04
14/06/2011 09:00	0.624	12.16	1.04
14/06/2011 10:00	0.625	12.16	1.04
14/06/2011 11:00	0.626	12.16	1.04
14/06/2011 12:00	0.628	12.16	1.04
14/06/2011 13:00	0.628	12.16	1.04
14/06/2011 14:00	0.628	12.17	1.04
14/06/2011 15:00	0.629	12.17	1.04
14/06/2011 16:00	0.633	12.17	1.04
14/06/2011 17:00	0.632	12.17	1.05
14/06/2011 18:00	0.63	12.17	1.04
14/06/2011 19:00	0.639	12.17	1.05
14/06/2011 20:00	0.645	12.17	1.04
14/06/2011 21:00	0.645	12.17	1.04
14/06/2011 22:00	0.645	12.18	1.04
14/06/2011 23:00	0.65	12.18	1.04
15/06/2011 00:00	0.652	12.18	1.04
15/06/2011 01:00	0.655	12.18	1.04
15/06/2011 02:00	0.651	12.18	1.04
15/06/2011 03:00	0.649	12.17	1.05
15/06/2011 04:00	0.65	12.18	1.05
15/06/2011 05:00	0.651	12.17	1.04
15/06/2011 06:00	0.645	12.18	1.04
15/06/2011 07:00	0.644	12.18	1.04
15/06/2011 08:00	0.641	12.18	1.04
15/06/2011 09:00	0.634	12.17	1.04
15/06/2011 10:00	0.635	12.17	1.04
15/06/2011 11:00	0.632	12.17	1.04
15/06/2011 12:00	0.634	12.17	1.04
15/06/2011 13:00	0.635	12.17	1.04
15/06/2011 14:00	0.635	12.18	1.04
15/06/2011 15:00	0.637	12.18	1.04
15/06/2011 16:00	0.636	12.17	1.04
15/06/2011 17:00	0.635	12.17	1.04
15/06/2011 18:00	0.635	12.17	1.04
15/06/2011 19:00	0.642	12.18	1.04
15/06/2011 20:00	0.646	12.18	1.04
15/06/2011 21:00	0.646	12.18	1.04
15/06/2011 22:00	0.648	12.17	1.04
15/06/2011 23:00	0.653	12.18	1.04
16/06/2011 00:00	0.654	12.18	1.04
16/06/2011 01:00	0.655	12.17	1.04
16/06/2011 02:00	0.657	12.17	1.04
16/06/2011 03:00	0.654	12.18	1.04
16/06/2011 04:00	0.657	12.18	1.04
16/06/2011 05:00	0.654	12.18	1.04
16/06/2011 06:00	0.65	12.18	1.04
16/06/2011 07:00	0.653	12.17	1.04
16/06/2011 08:00	0.639	12.18	1.04
16/06/2011 09:00	0.636	12.18	1.04
16/06/2011 10:00	0.639	12.18	1.04
16/06/2011 11:00	0.637	12.18	1.04
16/06/2011 12:00	0.648	12.18	1.04
16/06/2011 13:00	0.655	12.18	1.04
16/06/2011 14:00	0.661	12.18	1.04
16/06/2011 15:00	0.661	12.19	1.04
16/06/2011 16:00	0.653	12.2	1.04
16/06/2011 17:00	0.655	12.21	1.04
16/06/2011 18:00	0.645	12.23	1.04

16/06/2011 19:00	0.651	12.19	1.03
16/06/2011 20:00	0.656	12.2	1.03
16/06/2011 21:00	0.653	12.21	1.03
16/06/2011 22:00	0.652	12.22	1.03
16/06/2011 23:00	0.654	12.22	1.03
17/06/2011 00:00	0.652	12.18	1.03
17/06/2011 01:00	0.655	12.18	1.03
17/06/2011 02:00	0.656	12.18	1.03
17/06/2011 03:00	0.656	12.18	1.03
17/06/2011 04:00	0.655	12.19	1.03
17/06/2011 05:00	0.656	12.19	1.03
17/06/2011 06:00	0.651	12.19	1.03
17/06/2011 07:00	0.645	12.19	1.04
17/06/2011 08:00	0.636	12.18	1.03
17/06/2011 09:00	0.638	12.18	1.03
17/06/2011 10:00	0.642	12.18	1.03
17/06/2011 11:00	0.647	12.18	1.03
17/06/2011 12:00	0.65	12.19	1.03
17/06/2011 13:00	0.647	12.19	1.03
17/06/2011 14:00	0.653	12.19	1.03
17/06/2011 15:00	0.659	12.19	1.03
17/06/2011 16:00	0.661	12.19	1.03
17/06/2011 17:00	0.665	12.19	1.03
17/06/2011 18:00	0.669	12.21	1.03
17/06/2011 19:00	0.666	12.22	1.03
17/06/2011 20:00	0.664	12.23	1.03
17/06/2011 21:00	0.665	12.19	1.02
17/06/2011 22:00	0.673	12.19	1.02
17/06/2011 23:00	0.678	12.18	1.02
18/06/2011 00:00	0.679	12.19	1.02
18/06/2011 01:00	0.681	12.2	1.01
18/06/2011 02:00	0.674	12.21	1.01
18/06/2011 03:00	0.682	12.21	1.01
18/06/2011 04:00	0.676	12.18	1
18/06/2011 05:00	0.677	12.18	0.99
18/06/2011 06:00	0.676	12.17	0.99
18/06/2011 07:00	0.668	12.17	0.99
18/06/2011 08:00	0.669	12.18	0.99
18/06/2011 09:00	0.66	12.19	0.99
18/06/2011 10:00	0.657	12.18	1
18/06/2011 11:00	0.657	12.18	1
18/06/2011 12:00	0.666	12.18	1
18/06/2011 13:00	0.675	12.19	1
18/06/2011 14:00	0.668	12.19	1
18/06/2011 15:00	0.664	12.19	1
18/06/2011 16:00	0.668	12.19	1
18/06/2011 17:00	0.665	12.19	1
18/06/2011 18:00	0.675	12.2	1
18/06/2011 19:00	0.673	12.19	1
18/06/2011 20:00	0.679	12.21	1
18/06/2011 21:00	0.677	12.22	1
18/06/2011 22:00	0.678	12.21	1
18/06/2011 23:00	0.676	12.2	0.99
19/06/2011 00:00	0.67	12.2	0.99
19/06/2011 01:00	0.675	12.2	0.98
19/06/2011 02:00	0.679	12.19	0.98
19/06/2011 03:00	0.68	12.19	0.98
19/06/2011 04:00	0.676	12.18	0.98
19/06/2011 05:00	0.679	12.19	0.98

19/06/2011 06:00	0.674	12.19	0.98
19/06/2011 07:00	0.673	12.19	0.98
19/06/2011 08:00	0.667	12.19	0.98
19/06/2011 09:00	0.664	12.2	0.98
19/06/2011 10:00	0.662	12.21	0.98
19/06/2011 11:00	0.654	12.2	0.98
19/06/2011 12:00	0.652	12.19	0.98
19/06/2011 13:00	0.657	12.19	0.97
19/06/2011 14:00	0.662	12.19	0.97
19/06/2011 15:00	0.667	12.2	0.97
19/06/2011 16:00	0.662	12.19	0.97
19/06/2011 17:00	0.665	12.19	0.97
19/06/2011 18:00	0.663	12.19	0.97
19/06/2011 19:00	0.666	12.2	0.97
19/06/2011 20:00	0.664	12.2	0.97
19/06/2011 21:00	0.666	12.2	0.97
19/06/2011 22:00	0.672	12.21	0.97
19/06/2011 23:00	0.673	12.22	0.97
20/06/2011 00:00	0.671	12.21	0.97
20/06/2011 01:00	0.676	12.22	0.97
20/06/2011 02:00	0.673	12.21	0.97
20/06/2011 03:00	0.675	12.21	0.97
20/06/2011 04:00	0.681	12.2	0.97
20/06/2011 05:00	0.682	12.2	0.97
20/06/2011 06:00	0.681	12.21	0.97
20/06/2011 07:00	0.672	12.21	0.97
20/06/2011 08:00	0.663	12.21	0.97
20/06/2011 09:00	0.66	12.22	0.97
20/06/2011 10:00	0.661	12.23	0.97
20/06/2011 11:00	0.663	12.21	0.97
20/06/2011 12:00	0.661	12.21	0.96
20/06/2011 13:00	0.672	12.21	0.96
20/06/2011 14:00	0.666	12.2	0.96
20/06/2011 15:00	0.668	12.21	0.96
20/06/2011 16:00	0.669	12.21	0.96
20/06/2011 17:00	0.676	12.21	0.97
20/06/2011 18:00	0.675	12.21	0.97
20/06/2011 19:00	0.681	12.21	0.97
20/06/2011 20:00	0.677	12.21	0.97
20/06/2011 21:00	0.679	12.21	0.97
20/06/2011 22:00	0.686	12.21	0.97
20/06/2011 23:00	0.682	12.21	0.97
21/06/2011 00:00	0.681	12.21	0.97
21/06/2011 01:00	0.684	12.21	0.97
21/06/2011 02:00	0.681	12.21	0.97
21/06/2011 03:00	0.687	12.21	0.97
21/06/2011 04:00	0.685	12.21	0.97
21/06/2011 05:00	0.685	12.21	0.97
21/06/2011 06:00	0.685	12.21	0.97
21/06/2011 07:00	0.681	12.21	0.97
21/06/2011 08:00	0.674	12.21	0.97
21/06/2011 09:00	0.67	12.21	0.97
21/06/2011 10:00	0.63	12.23	0.97
21/06/2011 11:00	0.636	12.22	0.97
21/06/2011 12:00	0.632	12.2	0.96
21/06/2011 13:00	0.638	12.21	0.96
21/06/2011 14:00	0.643	12.2	0.96
21/06/2011 15:00	0.643	12.2	0.96
21/06/2011 16:00	0.645	12.2	0.96

21/06/2011 17:00	0.643	12.2	0.97
21/06/2011 18:00	0.646	12.21	0.97
21/06/2011 19:00	0.648	12.21	0.97
21/06/2011 20:00	0.651	12.2	0.97
21/06/2011 21:00	0.647	12.2	0.97
21/06/2011 22:00	0.649	12.2	0.97
21/06/2011 23:00	0.646	12.21	0.97
22/06/2011 00:00	0.652	12.2	0.97
22/06/2011 01:00	0.648	12.21	0.97
22/06/2011 02:00	0.651	12.21	0.97
22/06/2011 03:00	0.653	12.21	0.97
22/06/2011 04:00	0.65	12.21	0.97
22/06/2011 05:00	0.652	12.21	0.98
22/06/2011 06:00	0.647	12.21	0.98
22/06/2011 07:00	0.642	12.21	0.98
22/06/2011 08:00	0.636	12.22	0.98
22/06/2011 09:00	0.636	12.22	0.98
22/06/2011 10:00	0.63	12.21	0.98
22/06/2011 11:00	0.64	12.22	0.98
22/06/2011 12:00	0.646	12.22	0.98
22/06/2011 13:00	0.646	12.22	0.98
22/06/2011 14:00	0.641	12.22	0.98
22/06/2011 15:00	0.644	12.22	0.98
22/06/2011 16:00	0.652	12.22	0.98
22/06/2011 17:00	0.646	12.22	0.98
22/06/2011 18:00	0.64	12.22	0.98
22/06/2011 19:00	0.647	12.22	0.98
22/06/2011 20:00	0.644	12.22	0.98
22/06/2011 21:00	0.643	12.22	0.99
22/06/2011 22:00	0.65	12.22	0.99
22/06/2011 23:00	0.646	12.22	0.99
23/06/2011 00:00	0.643	12.22	0.99
23/06/2011 01:00	0.646	12.22	0.99
23/06/2011 02:00	0.648	12.22	0.99
23/06/2011 03:00	0.65	12.22	0.99
23/06/2011 04:00	0.648	12.22	0.99
23/06/2011 05:00	0.652	12.22	0.99
23/06/2011 06:00	0.649	12.22	0.99
23/06/2011 07:00	0.645	12.22	0.99
23/06/2011 08:00	0.638	12.23	0.99
23/06/2011 09:00	0.639	12.22	0.99
23/06/2011 10:00	0.633	12.23	0.99
23/06/2011 11:00	0.632	12.22	1
23/06/2011 12:00	0.632	12.22	1
23/06/2011 13:00	0.632	12.23	1
23/06/2011 14:00	0.647	12.24	1
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23/06/2011 18:00	0.642	12.21	0.97
23/06/2011 19:00	0.642	12.21	0.98
23/06/2011 20:00	0.639	12.22	0.98
23/06/2011 21:00	0.642	12.21	0.98
23/06/2011 22:00	0.641	12.23	0.98
23/06/2011 23:00	0.641	12.23	0.99
24/06/2011 00:00	0.644	12.23	0.99
24/06/2011 01:00	0.64	12.23	0.99
24/06/2011 02:00	0.642	12.23	0.99
24/06/2011 03:00	0.639	12.23	0.99

24/06/2011 04:00	0.637	12.23	0.99
24/06/2011 05:00	0.639	12.23	0.99
24/06/2011 06:00	0.642	12.23	1
24/06/2011 07:00	0.642	12.23	1
24/06/2011 08:00	0.641	12.23	1
24/06/2011 09:00	0.629	12.23	1
24/06/2011 10:00	0.629	12.23	1
24/06/2011 11:00	0.631	12.23	1
24/06/2011 12:00	0.632	12.23	1
24/06/2011 13:00	0.629	12.23	1
24/06/2011 14:00	0.631	12.24	1
24/06/2011 15:00	0.634	12.24	1
24/06/2011 16:00	0.627	12.23	1
24/06/2011 17:00	0.638	12.23	1
24/06/2011 18:00	0.64	12.23	1
24/06/2011 19:00	0.64	12.23	1
24/06/2011 20:00	0.647	12.24	1
24/06/2011 21:00	0.645	12.24	1
24/06/2011 22:00	0.649	12.24	1
24/06/2011 23:00	0.649	12.24	1
25/06/2011 00:00	0.648	12.24	1
25/06/2011 01:00	0.648	12.24	1
25/06/2011 02:00	0.646	12.24	1
25/06/2011 03:00	0.651	12.26	0.99
25/06/2011 04:00	0.656	12.25	0.99
25/06/2011 05:00	0.655	12.23	0.99
25/06/2011 06:00	0.659	12.23	0.99
25/06/2011 07:00	0.656	12.22	0.99
25/06/2011 08:00	0.656	12.23	0.99
25/06/2011 09:00	0.656	12.24	0.99
25/06/2011 10:00	0.651	12.24	0.99
25/06/2011 11:00	0.647	12.24	0.99
25/06/2011 12:00	0.643	12.24	0.99
25/06/2011 13:00	0.638	12.24	0.99
25/06/2011 14:00	0.636	12.24	0.99
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25/06/2011 17:00	0.64	12.24	0.99
25/06/2011 18:00	0.64	12.24	0.99
25/06/2011 19:00	0.641	12.24	0.99
25/06/2011 20:00	0.643	12.24	0.99
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25/06/2011 23:00	0.645	12.24	0.99
26/06/2011 00:00	0.645	12.24	0.99
26/06/2011 01:00	0.643	12.24	0.99
26/06/2011 02:00	0.641	12.24	0.99
26/06/2011 03:00	0.643	12.24	0.99
26/06/2011 04:00	0.647	12.24	0.99
26/06/2011 05:00	0.65	12.24	0.99
26/06/2011 06:00	0.648	12.24	0.99
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26/06/2011 20:00	0.657	12.25	1
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27/06/2011 20:00	0.654	12.25	1
27/06/2011 21:00	0.659	12.25	1
27/06/2011 22:00	0.659	12.25	1
27/06/2011 23:00	0.66	12.26	1
28/06/2011 00:00	0.662	12.25	1
28/06/2011 01:00	0.664	12.26	1
28/06/2011 02:00	0.664	12.26	1
28/06/2011 03:00	0.661	12.25	1
28/06/2011 04:00	0.656	12.26	1
28/06/2011 05:00	0.654	12.26	1
28/06/2011 06:00	0.653	12.26	1
28/06/2011 07:00	0.651	12.25	1
28/06/2011 08:00	0.644	12.26	1
28/06/2011 09:00	0.646	12.26	1
28/06/2011 10:00	0.646	12.26	1
28/06/2011 11:00	0.64	12.26	1

END OF DATA FILE OF DATALOGGER FOR WINDOWS

1_K4996_110715104328.CSV

Weather Data to 22/6/11

April **Highs** **Lows**

Wind / Direction	28 E	
Total Rain (mm)	3.4	
Rain Rate (mm/h)	1047	
Time (peak R/R)		
Temp (°C)	22.8	1.1
Humidity (%)	100	35
Barometric Pressure (mb)	1030	1009

May **Highs** **Lows**

Wind / Direction	37 S	
Total Rain (mm)	17.6	
Rain Rate (mm/h)	101	
Time (peak R/R)		
Temp (°C)	21.7	3.8
Humidity (%)	96	31
Barometric Pressure (mb)	1029	1004

Date	30.5.11		31.5.11		1.6.11		2.6.11		3.6.11		4.6.11		5.6.11		6.6.11	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
Wind / Direction (mph)	21 S		17 NW		21 E		14 NE		22 SW		23 N		25 E		12 NW	
Rain (mm)	1.8		9.6		0		0		0		0		0		6.4	
Rain Rate (mm/h)	3.4		37		0		0		0		0		0		5.8	
Time (peak R/R)	22:03		17:20												08:47	
Temp (°C)	18.3	10.6	17.8	7.2	17.8	6.1	20	8.3	17.8	12.2	18.9	12.8	16.7	11.7	15.6	8.3
Humidity (%)	94	72	96	45	96	53	100	67	96	76	93	74	94	74	95	57
Barometric Pressure (mb)	1014	1009	1028	1012	1033	1028	1036	1033	1036	1028	1028	1008	1019	1008	1008	1005

Date	7.6.11		8.6.11		9.6.11		10.6.11		11.6.11		12.6.11		13.6.11		14.6.11	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
Wind / Direction (mph)	23 S		26 SE		17 S		20 SE		21 S		30 S		25 S		16 SE	
Rain (mm)	0		0		0.4		0		9.8		4.6		0		0	
Rain Rate (mm/h)	0		0		2.6		0		14.8		2.6		0		0	
Time (peak R/R)					15:44				13:00		20:43					
Temp (°C)	17.8	11.4	19.4	8.3	18.3	8.9	15.6	7.8	16.1	6.1	16.1	5.6	23.3	13.3	18.3	9.4
Humidity (%)	92	67	92	50	96	53	94	59	96	64	95	65	95	54	94	58
Barometric Pressure (mb)	1006	1003	1010	1005	1016	1010	1016	1014	1019	1014	1019	1010	1017	1009	1020	1017

Date	15.6.11		16.6.11		17.6.11		18.6.11		19.6.11		20.6.11		21.6.11		22.6.11	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
Wind / Direction (mph)	22 SE		18 S		34 E		25 SE		23 W		19 SE		27 SE		26 SW	
Rain (mm)	0.2		5.2		13.2		4		0.6		0.8		0		7.4	
Rain Rate (mm/h)	0.2		33.6		33.8		32		1		42		0.8		104.8	
Time (peak R/R)	23:00		14:24		16:39		11:24		16:24		22:44				14:45	
Temp (°C)	21.7	14.4	20	12.2	16.1	9.4	18.9	11.1	19.4	10.6	17.8	8.9	21.7	13.3	18.3	11.7
Humidity (%)	93	64	95	55	94	72	95	60	91	59	95	64	95	56	95	66
Barometric Pressure (mb)	1018	1012	1012	1009	1013	996	1004	995	1014	1004	1014	1011	1011	1008	1011	1007

Date	Time	Temp	Hi	Low	Out	Dew	Wind	Wind	Wind	Hi	Hi	Wind	Heat	THW		Rain	Heat	Cool	In	In	In	In	In	In	In	Wind	Wind	ISS	Arc.
		Out	Temp	Temp	Hum	Pt.	Speed	Dir	Run	Speed	Dir	Chill	Index	Index	Bar	Rain	Rate	D-D	D-D	Temp	Hum	Dew	Heat	EMC	Density	Samp	Tx	Recept	Int.
23/06/11	13:30	11.4	16.0	11.1	93	10.4	8.0	W	4.02	27.4	W	10.7	11.6	10.8	760.9	7.60	118.8	0.144	0.000	20.3	61	12.5	20.1	11.25	1.1877	1030	1	100.0	30
23/06/11	14:00	13.3	13.3	11.4	95	12.5	6.4	W	3.22	17.7	W	13.2	13.4	13.3	760.8	0.40	4.2	0.105	0.000	21.3	71	15.8	21.4	13.44	1.1795	703	1	100.0	30
23/06/11	14:30	14.0	14.6	13.3	93	12.9	8.0	W	4.02	17.7	WSW	13.7	14.1	13.8	760.9	0.20	0.8	0.090	0.000	19.7	65	13.0	19.8	11.90	1.1895	671	1	98.1	30
23/06/11	15:00	15.7	15.7	14.0	86	13.3	9.7	WSW	4.83	22.5	SW	15.4	15.8	15.6	760.9	0.00	0.0	0.056	0.000	18.9	71	13.5	19.1	13.53	1.1923	702	1	100.0	30
23/06/11	15:30	13.7	16.1	13.7	85	11.2	11.3	W	5.63	32.2	W	12.9	13.7	12.8	761.2	0.00	0.0	0.096	0.000	18.1	71	12.8	18.1	13.54	1.1968	673	1	98.4	30
23/06/11	16:00	16.3	16.3	13.7	70	10.8	9.7	W	4.83	20.9	WSW	16.3	16.0	15.9	761.2	0.00	0.0	0.042	0.000	16.4	74	11.7	16.2	14.25	1.2051	702	1	100.0	30
23/06/11	16:30	17.8	18.1	16.3	66	11.4	9.7	W	4.83	22.5	W	17.8	17.6	17.6	761.4	0.00	0.0	0.010	0.000	17.8	77	13.7	18.0	15.35	1.1971	702	1	100.0	30
23/06/11	17:00	18.4	18.4	17.2	64	11.5	11.3	W	5.63	22.5	W	18.4	18.2	18.2	761.3	0.00	0.0	0.000	0.001	18.8	76	14.5	19.2	14.83	1.1919	702	1	100.0	30
23/06/11	17:30	17.2	18.6	17.1	67	11.0	8.0	WNW	4.02	19.3	WNW	17.2	16.9	16.9	761.4	0.00	0.0	0.024	0.000	19.2	75	14.6	19.5	14.45	1.1906	703	1	100.0	30
23/06/11	18:00	17.9	18.6	17.1	57	9.3	11.3	WNW	5.63	22.5	W	17.9	17.3	17.3	761.5	0.00	0.0	0.008	0.000	19.2	76	14.8	19.6	14.82	1.1905	674	1	98.5	30
23/06/11	18:30	17.1	17.9	17.1	61	9.5	11.3	W	5.63	24.1	W	16.9	16.5	16.4	761.8	0.00	0.0	0.027	0.000	18.6	75	14.1	18.8	14.45	1.1942	703	1	100.0	30
23/06/11	19:00	17.1	17.8	17.1	58	8.7	11.3	W	5.63	25.7	WNW	16.9	16.4	16.3	762.0	0.00	0.0	0.027	0.000	18.3	76	14.0	18.6	14.85	1.1957	702	1	100.0	30
23/06/11	19:30	16.2	17.1	16.2	62	8.9	9.7	W	4.83	25.7	W	16.1	15.6	15.5	762.3	0.00	0.0	0.045	0.000	17.0	76	12.7	16.9	14.90	1.2031	702	1	100.0	30
23/06/11	20:00	15.3	16.2	15.3	70	9.9	11.3	WNW	5.63	22.5	W	14.8	15.0	14.5	762.7	0.00	0.0	0.063	0.000	16.0	76	11.8	15.8	14.93	1.2090	680	1	99.4	30
23/06/11	20:30	14.9	15.4	14.8	69	9.2	9.7	WNW	4.83	22.5	WNW	14.6	14.4	14.1	763.0	0.00	0.0	0.072	0.000	15.2	76	11.0	15.0	14.97	1.2137	702	1	100.0	30
23/06/11	21:00	14.4	14.8	14.4	70	9.0	9.7	W	4.83	19.3	WNW	13.9	13.9	13.5	763.4	0.00	0.0	0.082	0.000	14.4	77	10.5	14.2	15.39	1.2182	703	1	100.0	30
23/06/11	21:30	13.6	14.4	13.6	74	9.0	8.0	W	4.02	16.1	W	13.2	13.2	12.8	763.7	0.00	0.0	0.100	0.000	13.6	77	9.6	13.3	15.42	1.2233	702	1	100.0	30
23/06/11	22:00	12.3	13.6	12.3	78	8.6	4.8	W	2.41	17.7	WNW	12.3	12.1	12.1	764.0	0.00	0.0	0.125	0.000	12.4	77	8.5	12.2	15.45	1.2299	703	1	100.0	30
23/06/11	22:30	11.6	12.3	11.6	83	8.8	1.6	W	0.80	4.8	W	11.6	11.4	11.4	764.1	0.00	0.0	0.141	0.000	11.2	77	7.3	11.1	15.45	1.2360	651	1	95.2	30
23/06/11	23:00	11.1	11.6	11.1	86	8.8	1.6	W	0.80	4.8	W	11.1	11.1	11.1	764.2	0.00	0.0	0.152	0.000	10.7	78	7.0	10.6	15.75	1.2389	701	1	100.0	30
23/06/11	23:30	10.3	11.1	10.3	89	8.5	3.2	W	1.61	4.8	W	10.3	10.4	10.4	764.2	0.00	0.0	0.168	0.000	9.8	78	6.2	9.8	15.74	1.2433	702	1	100.0	30
24/06/11	00:00	10.0	10.3	10.0	91	8.6	3.2	WSW	1.61	6.4	W	10.0	10.2	10.2	764.3	0.00	0.0	0.174	0.000	9.3	78	5.6	9.2	15.72	1.2462	701	1	100.0	30
24/06/11	0:30	9.9	10.1	9.9	91	8.5	3.2	WSW	1.61	6.4	WSW	9.9	10.1	10.1	764.5	0.00	0.0	0.176	0.000	9.0	79	5.6	8.9	16.05	1.2479	701	1	100.0	30
24/06/11	1:00	9.4	9.9	9.4	92	8.2	3.2	WSW	1.61	6.4	WSW	9.4	9.6	9.6	764.6	0.00	0.0	0.186	0.000	8.6	79	5.2	8.5	16.05	1.2500	700	1	100.0	30
24/06/11	1:30	9.2	9.4	9.2	93	8.1	4.8	WSW	2.41	6.4	WSW	8.9	9.4	9.1	764.8	0.00	0.0	0.191	0.000	8.1	79	4.7	8.0	16.05	1.2530	702	1	100.0	30
24/06/11	2:00	8.9	9.2	8.9	93	7.9	3.2	WSW	1.61	6.4	WSW	8.9	9.1	9.1	764.9	0.00	0.0	0.196	0.000	7.8	79	4.4	7.7	16.05	1.2549	702	1	100.0	30
24/06/11	2:30	8.9	8.9	8.8	93	7.8	4.8	WSW	2.41	8.0	WSW	8.6	9.1	8.7	765.0	0.00	0.0	0.197	0.000	7.6	79	4.1	7.4	16.05	1.2562	701	1	100.0	30
24/06/11	3:00	8.8	8.9	8.8	93	7.8	4.8	W	2.41	9.7	W	8.5	9.0	8.7	765.0	0.00	0.0	0.198	0.000	7.4	79	4.0	7.3	16.05	1.2569	700	1	100.0	30
24/06/11	3:30	8.7	8.9	8.7	93	7.6	4.8	W	2.41	8.0	WSW	8.3	8.8	8.5	765.0	0.00	0.0	0.201	0.000	7.4	79	4.0	7.3	16.05	1.2570	702	1	100.0	30
24/06/11	4:00	8.6	8.7	8.5	93	7.5	4.8	W	2.41	8.0	W	8.2	8.7	8.3	765.1	0.00	0.0	0.204	0.000	7.2	79	3.8	7.1	16.05	1.2582	701	1	100.0	30
24/06/11	4:30	8.7	8.7	8.5	93	7.6	4.8	W	2.41	9.7	WSW	8.3	8.8	8.5	765.3	0.00	0.0	0.201	0.000	7.1	79	3.7	7.0	16.06	1.2591	703	1	100.0	30
24/06/11	5:00	9.2	9.2	8.7	91	7.8	6.4	W	3.22	11.3	WNW	8.5	9.4	8.7	765.4	0.00	0.0	0.190	0.000	7.4	80	4.2	7.3	16.44	1.2573	700	1	100.0	30
24/06/11	5:30	9.8	9.8	9.2	89	8.1	6.4	W	3.22	11.3	WSW	9.1	9.9	9.3	765.6	0.00	0.0	0.178	0.000	7.9	80	4.7	7.8	16.42	1.2550	699	1	100.0	30
24/06/11	6:00	9.9	10.0	9.8	89	8.2	6.4	W	3.22	12.9	W	9.3	10.1	9.5	765.8	0.00	0.0	0.175	0.000	8.4	80	5.2	8.3	16.41	1.2529	702	1	100.0	30
24/06/11	6:30	10.6	10.6	9.9	88	8.7	6.4	W	3.22	12.9	WSW	10.1	10.7	10.1	766.0	0.00	0.0	0.161	0.000	9.0	80	5.7	8.9	16.39	1.2503	700	1	100.0	30
24/06/11	7:00	10.9	10.9	10.6	87	8.9	8.0	W	4.02	17.7	W	10.1	11.0	10.2	766.2	0.00	0.0	0.154	0.000	9.7	80	6.4	9.6	16.36	1.2471	702	1	100.0	30
24/06/11	7:30	11.8	11.8	10.9	85	9.3	8.0	W	4.02	12.9	WSW	11.1	11.7	11.0	766.4	0.00	0.0	0.137	0.000	10.4	80	7.1	10.3	16.35	1.2437	666	1	97.4	30
24/06/11	8:00	12.7	12.7	11.8	81	9.5	8.0	W	4.02	17.7	W	12.2	12.6	12.1	766.4	0.00	0.0	0.117	0.000	11.2	80	7.8	11.1	16.35	1.2397	702	1	100.0	30
24/06/11	8:30	14.3	14.3	12.7	75	10.0	8.0	W	4.02	17.7	WNW	14.1	14.1	13.8	766.4	0.00	0.0	0.083	0.000	12.7	82	9.7	12.6	16.96	1.2312	701	1	100.0	30
24/06/11	9:00	15.6	15.6	14.3	68	9.7	8.0	W	4.02	19.3	W	15.6	15.2	15.2	766.4	0.00	0.0	0.058	0.000	14.8	81	11.5	14.7	16.72	1.2204	703	1	100.0	30
24/06/11	9:30	16.1	16.2	15.5	67	10.0	9.7	W	4.83	17.7	SW	16.0	15.7	15.6	766.4	0.00	0.0	0.046	0.000	16.6	80	13.1	16.7	16.46	1.2110	702	1	100.0	30
24/06/11	10:00	16.4	16.5	15.9	65	9.8	11.3	W	5.63	20.9	WNW	16.2	16.1	15.8	766.3	0.00	0.0	0.039	0.000	18.1	78	14.2	18.4	15.74	1.2033	702	1	100.0	30
24/06/11	10:30	17.0	17.0	16.4	62	9.7	11.3	W	5.63	20.9	WNW	16.9	16.5	16.4	766.3	0.00	0.0	0.028	0.000	19.3	77	15.2	19.8	15.21	1.1970	702	1	100.0	30
24/06/11	11:00	17.2	17.3	16.8	59	9.1	11.3	W	5.63	24.1	W	17.1	16.5	16.4	766.4	0.00	0.0	0.024	0.000	20.2	75	15.6	20.7	14.45	1.1932	701	1	100.0	30
24/06/11	11:30	17.9	18.0	17.2	53	8.2	11.3	W	5.63	25.7	NW	17.9	17.1	17.1	766.5	0.00	0.0	0.009	0.000	20.9	74	16.1	21.3	14.25	1.1				

24/06/11	18:30	16.9	17.7	16.9	70	11.4	3.2	SW	1.61	11.3	SSE	16.9	16.7	16.7	766.7	0.00	0.0	0.029	0.000	17.9	75	13.4	17.9	14.48	1.2058 701	1	100.0	30
24/06/11	19:00	16.6	17.0	16.6	71	11.3	4.8	S	2.41	14.5	S	16.6	16.4	16.4	766.9	0.00	0.0	0.036	0.000	17.4	75	12.9	17.4	14.52	1.2087 701	1	100.0	30
24/06/11	19:30	16.4	16.7	16.4	68	10.5	3.2	SW	1.61	8.0	S	16.4	16.1	16.1	766.9	0.00	0.0	0.039	0.000	16.8	76	12.6	16.8	14.90	1.2115 703	1	100.0	30
24/06/11	20:00	16.1	16.4	16.1	60	8.3	4.8	WSW	2.41	9.7	WSW	16.1	15.4	15.4	766.9	0.00	0.0	0.046	0.000	16.2	76	12.0	16.1	14.93	1.2147 701	1	100.0	30
24/06/11	20:30	15.7	16.1	15.6	61	8.2	4.8	WSW	2.41	9.7	WSW	15.7	15.0	15.0	766.9	0.00	0.0	0.056	0.000	15.6	76	11.4	15.4	14.95	1.2179 702	1	100.0	30
24/06/11	21:00	15.3	15.7	15.3	61	7.8	4.8	WSW	2.41	8.0	W	15.3	14.7	14.7	767.0	0.00	0.0	0.063	0.000	15.1	76	10.9	14.9	14.98	1.2207 701	1	100.0	30
24/06/11	21:30	15.1	15.4	15.1	64	8.3	3.2	WSW	1.61	8.0	W	15.1	14.4	14.4	767.1	0.00	0.0	0.068	0.000	14.6	76	10.4	14.4	15.02	1.2234 701	1	100.0	30
24/06/11	22:00	14.6	15.1	14.6	67	8.5	4.8	WSW	2.41	11.3	WSW	14.6	14.1	14.1	767.4	0.00	0.0	0.078	0.000	14.1	76	9.9	13.8	15.05	1.2266 703	1	100.0	30
24/06/11	22:30	13.9	14.7	13.9	75	9.5	8.0	WSW	4.02	17.7	W	13.6	13.6	13.3	767.7	0.00	0.0	0.093	0.000	13.6	76	9.4	13.3	15.09	1.2300 702	1	100.0	30
24/06/11	23:00	12.6	13.9	12.6	85	10.2	6.4	W	3.22	12.9	WSW	12.4	12.6	12.3	767.9	0.00	0.0	0.119	0.000	12.9	76	8.8	12.6	15.14	1.2338 703	1	100.0	30
24/06/11	23:30	12.0	12.6	12.0	88	10.1	4.8	W	2.41	12.9	W	12.0	12.0	12.0	767.7	0.20	0.0	0.132	0.000	12.3	77	8.4	12.1	15.45	1.2365 702	1	100.0	30
25/06/11	00:00	11.7	12.0	11.7	91	10.3	3.2	WSW	1.61	4.8	WSW	11.7	11.8	11.8	767.8	0.00	0.0	0.138	0.000	11.9	77	8.0	11.7	15.45	1.2387 703	1	100.0	30
25/06/11	0:30	11.7	11.7	11.6	92	10.4	3.2	WSW	1.61	6.4	WSW	11.7	11.8	11.8	767.7	0.20	0.0	0.139	0.000	11.6	77	7.7	11.4	15.45	1.2400 702	1	100.0	30
25/06/11	1:00	11.6	11.7	11.6	93	10.5	1.6	WSW	0.80	4.8	WSW	11.6	11.7	11.7	767.5	0.20	0.0	0.141	0.000	11.5	77	7.6	11.3	15.45	1.2402 701	1	100.0	30
25/06/11	1:30	11.6	11.6	11.6	94	10.7	1.6	SW	0.80	6.4	SW	11.6	11.8	11.8	767.5	0.40	1.2	0.140	0.000	11.4	77	7.5	11.2	15.45	1.2408 702	1	100.0	30
25/06/11	2:00	11.6	11.6	11.6	94	10.6	3.2	SW	1.61	11.3	S	11.6	11.7	11.7	767.3	0.60	2.0	0.141	0.000	11.4	77	7.5	11.2	15.45	1.2405 702	1	100.0	30
25/06/11	2:30	11.6	11.6	11.5	94	10.6	3.2	SSW	1.61	11.3	SW	11.6	11.7	11.7	767.1	0.60	1.6	0.141	0.000	11.3	77	7.4	11.1	15.45	1.2404 702	1	100.0	30
25/06/11	3:00	11.2	11.6	11.2	93	10.1	4.8	SSW	2.41	16.1	S	11.2	11.4	11.3	766.9	0.20	1.2	0.148	0.000	11.2	77	7.3	11.1	15.45	1.2406 703	1	100.0	30
25/06/11	3:30	11.0	11.2	11.0	93	9.9	6.4	SSW	3.22	14.5	SSW	10.6	11.2	10.7	766.6	0.00	0.0	0.153	0.000	11.0	77	7.1	10.8	15.45	1.2413 701	1	100.0	30
25/06/11	4:00	11.0	11.0	10.9	93	9.9	8.0	SSW	4.02	19.3	S	10.2	11.2	10.4	766.4	0.00	0.0	0.153	0.000	10.8	78	7.1	10.7	15.75	1.2417 702	1	100.0	30
25/06/11	4:30	11.1	11.1	10.9	94	10.1	6.4	SW	3.22	17.7	SW	10.6	11.2	10.8	766.0	0.00	0.0	0.152	0.000	10.7	78	7.0	10.6	15.75	1.2417 703	1	100.0	30
25/06/11	5:00	11.7	11.7	11.1	95	10.9	8.0	S	4.02	22.5	SSE	10.9	11.8	11.1	765.7	0.40	0.8	0.139	0.000	11.0	78	7.3	10.8	15.75	1.2397 702	1	100.0	30
25/06/11	5:30	11.8	11.8	11.7	95	11.1	9.7	SSW	4.83	27.4	SSE	10.9	12.0	11.1	765.6	0.20	0.8	0.135	0.000	11.2	78	7.5	11.1	15.75	1.2384 702	1	100.0	30
25/06/11	6:00	11.9	11.9	11.8	95	11.2	11.3	SSW	5.63	33.8	SSW	10.8	12.1	10.9	765.4	0.60	1.6	0.133	0.000	11.5	78	7.8	11.3	15.75	1.2366 699	1	100.0	30
25/06/11	6:30	12.2	12.2	11.9	95	11.4	11.3	SSW	5.63	24.1	SW	11.1	12.3	11.2	765.2	1.00	3.6	0.128	0.000	11.6	78	7.9	11.4	15.75	1.2356 703	1	100.0	30
25/06/11	7:00	12.4	12.4	12.2	95	11.6	11.3	SSW	5.63	29.0	SSE	11.3	12.5	11.4	764.9	1.20	6.2	0.124	0.000	11.9	78	8.2	11.7	15.75	1.2338 701	1	100.0	30
25/06/11	7:30	12.7	12.7	12.4	96	12.0	11.3	SW	5.63	29.0	SSW	11.7	12.8	11.8	764.8	0.20	0.8	0.118	0.000	12.1	78	8.4	11.9	15.75	1.2324 701	1	100.0	30
25/06/11	8:00	12.9	12.9	12.7	96	12.3	11.3	SSW	5.63	24.1	SSW	12.0	13.1	12.1	764.6	0.00	0.0	0.112	0.000	12.4	78	8.7	12.2	15.75	1.2307 703	1	100.0	30
25/06/11	8:30	13.1	13.2	12.9	96	12.5	9.7	SW	4.83	22.5	SSW	12.4	13.2	12.5	764.7	0.00	0.0	0.109	0.000	12.7	78	9.0	12.5	15.75	1.2291 702	1	100.0	30
25/06/11	9:00	13.3	13.3	13.1	96	12.7	6.4	SW	3.22	17.7	SSW	13.2	13.4	13.3	764.8	0.00	0.0	0.104	0.000	12.9	78	9.2	12.7	15.74	1.2282 703	1	100.0	30
25/06/11	9:30	13.7	13.7	13.3	96	13.0	8.0	SW	4.02	16.1	WSW	13.3	13.8	13.4	764.7	0.00	0.0	0.097	0.000	13.2	78	9.5	13.0	15.73	1.2265 702	1	100.0	30
25/06/11	10:00	14.3	14.3	13.7	96	13.7	6.4	WSW	3.22	17.7	SW	14.3	14.5	14.5	764.6	0.00	0.0	0.083	0.000	13.7	78	9.9	13.4	15.72	1.2240 702	1	100.0	30
25/06/11	10:30	15.6	15.6	14.3	95	14.8	8.0	WSW	4.02	19.3	SSW	15.6	15.8	15.8	764.6	0.00	0.0	0.058	0.000	15.1	79	11.4	14.9	16.05	1.2164 700	1	100.0	30
25/06/11	11:00	16.4	16.4	15.6	94	15.4	9.7	WSW	4.83	17.7	WSW	16.3	16.7	16.7	764.5	0.00	0.0	0.041	0.000	16.1	78	12.2	16.0	15.67	1.2113 702	1	100.0	30
25/06/11	11:30	17.7	17.7	16.3	89	15.8	11.3	W	5.63	25.7	W	17.7	18.1	18.1	764.4	0.00	0.0	0.014	0.000	17.0	78	13.1	17.1	15.70	1.2061 703	1	100.0	30
25/06/11	12:00	18.4	18.6	17.7	86	16.1	11.3	W	5.63	25.7	SW	18.4	18.9	18.9	764.5	0.00	0.0	0.000	0.002	18.6	78	14.6	18.9	15.72	1.1980 701	1	100.0	30
25/06/11	12:30	19.3	19.3	18.4	85	16.7	9.7	W	4.83	19.3	W	19.3	19.9	19.9	764.5	0.00	0.0	0.000	0.020	19.2	77	15.0	19.6	15.23	1.1950 701	1	100.0	30
25/06/11	13:00	19.2	19.5	19.2	85	16.6	11.3	WSW	5.63	20.9	WSW	19.2	19.9	19.9	764.5	0.00	0.0	0.000	0.019	19.9	77	15.7	20.4	15.13	1.1911 682	1	99.7	30
25/06/11	13:30	19.9	19.9	19.3	84	17.2	9.7	WSW	4.83	22.5	S	19.9	20.7	20.7	764.5	0.00	0.0	0.000	0.034	20.3	77	16.1	20.9	15.07	1.1890 702	1	100.0	30
25/06/11	14:00	21.2	21.2	19.9	78	17.2	12.9	W	6.44	27.4	WNW	20.9	21.7	21.4	764.3	0.00	0.0	0.000	0.060	21.4	77	17.2	21.9	14.95	1.1827 701	1	100.0	30
25/06/11	14:30	21.5	21.9	21.1	76	17.1	14.5	W	7.24	30.6	SSW	20.7	21.9	21.2	764.4	0.00	0.0	0.000	0.066	22.4	76	18.0	23.2	14.70	1.1774 700	1	100.0	30
25/06/11	15:00	20.7	21.5	20.7	80	17.1	11.3	W	5.63	22.5	SW	20.7	21.5	21.5	764.6	0.00	0.0	0.000	0.050	22.2	75	17.6	22.8	14.41	1.1792 703	1	100.0	30
25/06/11	15:30	21.1	21.3	20.7	78	17.1	11.3	W	5.63	25.7	W	21.1	21.6	21.6	764.7	0.00	0.0	0.000	0.058	21.9	76	17.5	22.5	14.72	1.1806 676	1	98.8	30
25/06/11	16:00	21.3	21.4	21.1	78	17.3	11.3	W	5.63	25.7	W	21.3	21.8	21.8	764.7	0.00	0.0	0.000	0.061	21.8	76	17.4	22.4	14.72	1.1813 702	1	100.0	30
25/06/11	16:30	21.4	21.4	21.2	77	17.2	9.7	W	4.83	19.3	WNW	21.4	21.9	21.9	764.8	0.00	0.0	0.000	0.065	21.8	76	17.4	22.3	14.73	1.1817 702	1	100.0	30
25/06/11	17:00	21.4	21.6	21.4	78	17.4	8.0	W	4.02	19.3	WSW	21.4	22.0	22.0	764.7	0.00	0.0	0.000	0.065	21.8	76	17.4	22.4	14.72	1.1813 702	1	100.0	30
25/06/11	17:30	22.3	22.4	21.5	75	17.7	8.0	WSW	4.02	17.7	W	22.3	22.9	22.9	764.7	0.00	0.0	0.000	0.083	22.5	76	18.1	23.2	14.70				

26/06/11	0:30	18.4	18.8	18.4	84	15.7	8.0	WSW	4.02	16.1	SW	18.4	18.9	18.9	766.7	0.00	0.0	0.000	0.002	18.3	78	14.4	18.6	15.75	1.2028	702	1	100.0	30
26/06/11	1:00	18.1	18.4	18.1	85	15.5	6.4	WSW	3.22	12.9	WSW	18.1	18.5	18.5	766.7	0.00	0.0	0.005	0.000	18.1	78	14.2	18.4	15.74	1.2039	702	1	100.0	30
26/06/11	1:30	17.8	18.1	17.8	86	15.5	6.4	WSW	3.22	14.5	W	17.8	18.2	18.2	766.7	0.00	0.0	0.010	0.000	17.7	78	13.8	17.9	15.73	1.2060	702	1	100.0	30
26/06/11	2:00	17.6	17.8	17.6	86	15.2	6.4	WSW	3.22	14.5	W	17.6	17.9	17.9	766.9	0.00	0.0	0.015	0.000	17.4	78	13.6	17.6	15.72	1.2077	703	1	100.0	30
26/06/11	2:30	17.2	17.6	17.2	88	15.2	4.8	W	2.41	12.9	WSW	17.2	17.6	17.6	766.9	0.00	0.0	0.023	0.000	17.1	78	13.2	17.2	15.71	1.2096	702	1	100.0	30
26/06/11	3:00	16.5	17.2	16.5	89	14.7	3.2	WSW	1.61	8.0	W	16.5	16.7	16.7	767.0	0.00	0.0	0.038	0.000	16.5	78	12.6	16.5	15.68	1.2130	680	1	99.4	30
26/06/11	3:30	15.8	16.5	15.8	91	14.3	3.2	WSW	1.61	9.7	W	15.8	16.0	16.0	767.0	0.00	0.0	0.053	0.000	15.6	78	11.7	15.4	15.65	1.2179	702	1	100.0	30
26/06/11	4:00	15.2	15.8	15.2	93	14.1	3.2	WSW	1.61	8.0	W	15.2	15.4	15.4	767.1	0.00	0.0	0.065	0.000	14.7	79	11.1	14.6	16.05	1.2223	703	1	100.0	30
26/06/11	4:30	14.7	15.2	14.7	93	13.6	3.2	W	1.61	8.0	WSW	14.7	14.9	14.9	767.2	0.00	0.0	0.075	0.000	14.1	79	10.5	13.9	16.05	1.2257	701	1	100.0	30
26/06/11	5:00	14.4	14.7	14.4	94	13.5	3.2	W	1.61	6.4	W	14.4	14.6	14.6	767.3	0.00	0.0	0.081	0.000	13.6	79	10.0	13.4	16.05	1.2285	700	1	100.0	30
26/06/11	5:30	14.8	14.8	14.4	94	13.8	3.2	WSW	1.61	6.4	W	14.8	14.9	14.9	767.3	0.00	0.0	0.074	0.000	13.4	80	10.1	13.3	16.35	1.2292	702	1	100.0	30
26/06/11	6:00	15.4	15.4	14.8	93	14.3	4.8	WSW	2.41	9.7	WSW	15.4	15.7	15.7	767.5	0.00	0.0	0.060	0.000	13.6	80	10.2	13.4	16.35	1.2285	702	1	100.0	30
26/06/11	6:30	16.3	16.3	15.4	91	14.9	4.8	W	2.41	11.3	W	16.3	16.6	16.6	767.4	0.00	0.0	0.042	0.000	14.3	80	10.9	14.2	16.35	1.2249	702	1	100.0	30
26/06/11	7:00	17.3	17.3	16.3	88	15.3	6.4	W	3.22	12.9	W	17.3	17.6	17.6	767.5	0.00	0.0	0.022	0.000	15.4	81	12.1	15.3	16.74	1.2189	702	1	100.0	30
26/06/11	7:30	18.2	18.2	17.3	85	15.6	4.8	W	2.41	11.3	W	18.2	18.6	18.6	767.4	0.00	0.0	0.003	0.000	16.8	82	13.7	16.9	17.14	1.2112	702	1	100.0	30
26/06/11	8:00	19.1	19.1	18.2	83	16.1	3.2	W	1.61	8.0	W	19.1	19.6	19.6	767.5	0.00	0.0	0.000	0.015	18.3	82	15.2	18.7	17.25	1.2029	701	1	100.0	30
26/06/11	8:30	20.1	20.1	19.1	79	16.3	3.2	WSW	1.61	8.0	WSW	20.1	20.7	20.7	767.4	0.00	0.0	0.000	0.036	20.2	81	16.8	20.9	16.69	1.1931	703	1	100.0	30
26/06/11	9:00	20.7	20.8	20.1	77	16.5	3.2	SSW	1.61	12.9	S	20.7	21.3	21.3	767.4	0.00	0.0	0.000	0.050	21.8	79	18.0	22.4	15.73	1.1849	678	1	99.1	30
26/06/11	9:30	19.4	20.9	19.3	84	16.6	9.7	SSE	4.83	27.4	S	19.4	20.1	20.1	767.5	0.00	0.0	0.000	0.022	22.5	78	18.5	23.3	15.30	1.1813	700	1	100.0	30
26/06/11	10:00	18.8	19.7	18.5	86	16.4	12.9	SE	6.44	20.9	SE	18.4	19.3	19.0	767.4	0.00	0.0	0.000	0.009	22.5	76	18.1	23.2	14.70	1.1818	703	1	100.0	30
26/06/11	10:30	19.9	20.2	18.8	81	16.5	14.5	SSE	7.24	22.5	SE	19.1	20.6	19.8	767.5	0.00	0.0	0.000	0.032	22.4	77	18.2	23.2	14.95	1.1820	702	1	100.0	30
26/06/11	11:00	19.6	19.9	19.4	82	16.4	14.5	SSE	7.24	22.5	SE	18.8	20.2	19.5	767.4	0.00	0.0	0.000	0.025	23.0	76	18.5	23.9	14.68	1.1791	675	1	98.7	30
26/06/11	11:30	19.0	19.6	18.6	84	16.2	14.5	SSE	7.24	22.5	SE	18.3	19.6	18.8	767.4	0.00	0.0	0.000	0.014	22.7	75	18.1	23.6	14.39	1.1809	702	1	100.0	30
26/06/11	12:00	18.7	19.1	18.4	86	16.3	14.5	SSE	7.24	22.5	SSE	17.9	19.2	18.5	767.3	0.00	0.0	0.000	0.007	22.5	75	17.8	23.2	14.40	1.1819	703	1	100.0	30
26/06/11	12:30	18.6	18.7	18.3	87	16.3	14.5	SE	7.24	24.1	SE	17.8	19.1	18.3	767.2	0.00	0.0	0.000	0.005	22.2	75	17.6	22.8	14.41	1.1833	702	1	100.0	30
26/06/11	13:00	17.9	18.6	17.9	88	15.9	16.1	SSE	8.05	24.1	SSE	16.7	18.4	17.1	767.3	0.00	0.0	0.008	0.000	22.1	75	17.4	22.6	14.42	1.1844	699	1	100.0	30
26/06/11	13:30	18.2	18.3	17.9	87	16.0	16.1	SSE	8.05	24.1	SE	17.0	18.7	17.4	767.2	0.00	0.0	0.002	0.000	21.8	75	17.1	22.2	14.43	1.1857	703	1	100.0	30
26/06/11	14:00	17.9	18.4	17.9	87	15.7	16.1	SSE	8.05	24.1	SE	16.7	18.3	17.1	767.0	0.00	0.0	0.008	0.000	21.8	76	17.4	22.4	14.72	1.1849	702	1	100.0	30
26/06/11	14:30	17.5	18.1	17.4	90	15.8	16.1	SSE	8.05	22.5	SSE	16.2	17.9	16.6	767.0	0.00	0.0	0.017	0.000	21.7	76	17.3	22.2	14.73	1.1857	701	1	100.0	30
26/06/11	15:00	17.2	17.6	17.2	89	15.4	16.1	SSE	8.05	22.5	SE	15.8	17.6	16.2	766.9	0.00	0.0	0.023	0.000	21.6	77	17.4	22.1	14.95	1.1858	702	1	100.0	30
26/06/11	15:30	17.1	17.3	17.1	89	15.2	14.5	SSE	7.24	24.1	SSE	16.0	17.4	16.3	766.8	0.00	0.0	0.027	0.000	21.4	77	17.2	21.9	14.95	1.1866	681	1	99.6	30
26/06/11	16:00	16.3	17.1	16.3	91	14.9	14.5	SSE	7.24	22.5	SSE	15.2	16.6	15.4	766.7	0.00	0.0	0.042	0.000	20.6	77	16.4	21.2	15.03	1.1910	702	1	100.0	30
26/06/11	16:30	16.0	16.3	16.0	92	14.7	14.5	SE	7.24	24.1	S	14.8	16.2	15.1	766.5	0.00	0.0	0.049	0.000	19.3	77	15.1	19.7	15.21	1.1976	701	1	100.0	30
26/06/11	17:00	16.2	16.2	15.9	93	15.0	14.5	SE	7.24	24.1	SE	15.0	16.4	15.3	766.3	0.00	0.0	0.045	0.000	18.4	78	14.5	18.8	15.73	1.2015	702	1	100.0	30
26/06/11	17:30	15.9	16.2	15.8	94	14.9	14.5	SE	7.24	25.7	SE	14.7	16.1	14.9	766.2	0.00	0.0	0.051	0.000	17.8	78	13.9	18.1	15.73	1.2046	702	1	100.0	30
26/06/11	18:00	15.8	16.0	15.8	95	15.0	14.5	SE	7.24	24.1	SE	14.6	16.1	14.9	766.1	0.00	0.0	0.052	0.000	17.4	78	13.5	17.5	15.72	1.2068	703	1	100.0	30
26/06/11	18:30	15.7	15.8	15.7	95	14.9	12.9	SE	6.44	20.9	SE	14.8	15.9	15.1	766.0	0.00	0.0	0.056	0.000	17.0	79	13.3	17.1	16.15	1.2084	699	1	100.0	30
26/06/11	19:00	15.7	15.7	15.6	96	15.0	11.3	SE	5.63	19.3	SE	15.2	15.9	15.5	765.9	0.00	0.0	0.056	0.000	16.8	79	13.1	16.8	16.14	1.2094	703	1	100.0	30
26/06/11	19:30	15.6	15.7	15.6	96	15.0	9.7	ESE	4.83	14.5	ESE	15.4	15.8	15.6	765.8	0.00	0.0	0.057	0.000	16.5	79	12.8	16.6	16.12	1.2107	701	1	100.0	30
26/06/11	20:00	16.2	16.2	15.6	96	15.5	9.7	ESE	4.83	12.9	SE	16.1	16.5	16.4	765.7	0.00	0.0	0.045	0.000	16.5	79	12.8	16.6	16.12	1.2106	701	1	100.0	30
26/06/11	20:30	16.4	16.5	16.2	95	15.6	11.3	SE	5.63	20.9	SE	16.2	16.8	16.6	765.7	0.00	0.0	0.039	0.000	16.4	79	12.7	16.4	16.11	1.2112	703	1	100.0	30
26/06/11	21:00	16.6	16.6	16.4	94	15.6	14.5	SE	7.24	22.5	SE	15.4	16.9	15.8	765.5	0.00	0.0	0.037	0.000	16.2	79	12.5	16.2	16.09	1.2120	701	1	100.0	30
26/06/11	21:30	16.4	16.6	16.4	94	15.5	12.9	SE	6.44	22.5	SE	15.8	16.8	16.1	765.6	0.00	0.0	0.039	0.000	15.9	79	12.2	15.8	16.07	1.2136	702	1	100.0	30
26/06/11	22:00	16.4	16.5	16.4	95	15.6	8.0	SE	4.02	14.5	SE	16.4	16.8	16.8	765.5	0.00	0.0	0.039	0.000	15.7	79	12.1	15.7	16.06	1.2145	702	1	100.0	30
26/06/11	22:30	16.4	16.6	16.4	94	15.5	6.4	SSE	3.22	11.3	SE	16.4	16.8	16.8	765.5	0.00	0.0	0.039	0.000	15.6	79	11.9	15.4	16.05	1.2153	702	1	100.0	30
26/06/11	23:00	16.3	16.5	16.3	95	15.5	6.4	SSE	3.22	11.3	SSE	16.3	16.7	16.7	765.4	0.00	0.0	0.042	0.000	15.4	79	11.8	15.3	16.05	1.2160	7			

27/06/11	6:30	18.1	18.1	17.7	90	16.4	9.7	SE	4.83	12.9	SE	18.1	18.6	18.6	762.8	0.00	0.0	0.006	0.000	16.8	80	13.4	16.9	16.49	1.2039 701	1	100.0	30
27/06/11	7:00	18.2	18.2	18.0	90	16.6	9.7	ESE	4.83	12.9	ESE	18.2	18.8	18.8	762.7	0.00	0.0	0.002	0.000	17.4	80	14.0	17.7	16.55	1.2006 702	1	100.0	30
27/06/11	7:30	18.7	18.7	18.2	88	16.6	9.7	SE	4.83	16.1	SE	18.7	19.3	19.3	762.6	0.00	0.0	0.000	0.007	18.1	80	14.6	18.4	16.63	1.1968 702	1	100.0	30
27/06/11	8:00	18.7	18.8	18.6	89	16.9	8.0	SE	4.02	12.9	SE	18.7	19.4	19.4	762.5	0.00	0.0	0.000	0.008	18.8	80	15.3	19.3	16.56	1.1927 701	1	100.0	30
27/06/11	8:30	19.1	19.1	18.7	87	16.9	8.0	SE	4.02	12.9	SE	19.1	19.8	19.8	762.3	0.00	0.0	0.000	0.016	19.7	80	16.2	20.4	16.40	1.1877 680	1	99.4	30
27/06/11	9:00	18.7	19.1	18.3	89	16.8	9.7	SE	4.83	14.5	SE	18.7	19.3	19.3	762.2	0.00	0.0	0.000	0.007	20.2	79	16.4	20.9	15.92	1.1853 702	1	100.0	30
27/06/11	9:30	18.8	19.2	18.7	87	16.6	12.9	SE	6.44	20.9	SE	18.5	19.4	19.1	761.7	0.00	0.0	0.000	0.010	20.7	79	16.9	21.4	15.82	1.1816 702	1	100.0	30
27/06/11	10:00	19.6	19.6	18.8	86	17.2	11.3	SE	5.63	17.7	SE	19.6	20.4	20.4	761.5	0.00	0.0	0.000	0.027	21.4	79	17.6	22.0	15.74	1.1776 702	1	100.0	30
27/06/11	10:30	19.9	19.9	19.4	86	17.5	12.9	SE	6.44	20.9	SE	19.6	20.8	20.4	761.5	0.00	0.0	0.000	0.034	22.1	78	18.0	22.7	15.32	1.1743 702	1	100.0	30
27/06/11	11:00	20.8	20.8	19.9	81	17.5	9.7	SSE	4.83	19.3	SE	20.8	21.6	21.6	761.2	0.00	0.0	0.000	0.052	23.3	77	19.0	24.3	14.95	1.1675 703	1	100.0	30
27/06/11	11:30	20.8	20.8	20.6	81	17.4	11.3	SE	5.63	17.7	SSE	20.8	21.6	21.6	761.1	0.00	0.0	0.000	0.051	23.9	76	19.4	25.1	14.65	1.1642 701	1	100.0	30
27/06/11	12:00	20.6	20.9	20.5	83	17.6	11.3	SE	5.63	19.3	ESE	20.6	21.5	21.5	760.9	0.00	0.0	0.000	0.047	24.2	75	19.5	25.4	14.35	1.1628 703	1	100.0	30
27/06/11	12:30	20.7	20.9	20.5	81	17.3	11.3	SE	5.63	20.9	SSE	20.7	21.5	21.5	760.7	0.00	0.0	0.000	0.050	24.3	75	19.6	25.6	14.35	1.1619 702	1	100.0	30
27/06/11	13:00	20.8	20.9	20.4	81	17.5	11.3	SE	5.63	20.9	SE	20.8	21.6	21.6	760.9	0.00	0.0	0.000	0.052	24.3	75	19.6	25.6	14.35	1.1622 702	1	100.0	30
27/06/11	13:30	21.7	21.8	20.8	80	18.1	11.3	SE	5.63	19.3	SSE	21.7	22.4	22.4	760.8	0.00	0.0	0.000	0.071	24.7	75	20.0	26.1	14.35	1.1595 702	1	100.0	30
27/06/11	14:00	21.6	22.2	21.6	79	17.8	11.3	SSE	5.63	22.5	SSE	21.6	22.3	22.3	760.5	0.00	0.0	0.000	0.068	25.4	75	20.7	26.9	14.35	1.1551 702	1	100.0	30
27/06/11	14:30	20.9	21.6	20.6	81	17.5	11.3	SE	5.63	19.3	SE	20.9	21.6	21.6	760.3	0.00	0.0	0.000	0.053	25.1	75	20.3	26.4	14.35	1.1569 702	1	100.0	30
27/06/11	15:00	20.7	20.9	20.4	83	17.7	11.3	SE	5.63	19.3	SE	20.7	21.6	21.6	760.2	0.00	0.0	0.000	0.050	24.8	76	20.3	26.3	14.65	1.1578 701	1	100.0	30
27/06/11	15:30	21.4	21.4	20.8	81	18.0	11.3	SE	5.63	19.3	SE	21.4	22.1	22.1	760.2	0.00	0.0	0.000	0.064	25.2	76	20.7	26.7	14.65	1.1555 702	1	100.0	30
27/06/11	16:00	21.7	21.7	21.1	79	17.9	11.3	SE	5.63	20.9	SSE	21.7	22.4	22.4	760.2	0.00	0.0	0.000	0.071	25.6	76	21.1	27.2	14.65	1.1534 702	1	100.0	30
27/06/11	16:30	21.6	22.3	21.6	79	17.8	11.3	SSE	5.63	19.3	SE	21.6	22.3	22.3	760.2	0.00	0.0	0.000	0.068	26.1	76	21.5	27.8	14.65	1.1508 703	1	100.0	30
27/06/11	17:00	22.2	22.5	21.6	78	18.2	12.9	SSE	6.44	19.3	SSE	21.9	22.9	22.6	760.1	0.00	0.0	0.000	0.081	25.9	76	21.4	27.6	14.65	1.1513 702	1	100.0	30
27/06/11	17:30	20.7	22.3	20.7	82	17.5	11.3	SE	5.63	19.3	SSE	20.7	21.5	21.5	759.7	0.00	0.0	0.000	0.049	25.3	75	20.6	26.8	14.35	1.1545 703	1	100.0	30
27/06/11	18:00	20.9	20.9	20.2	81	17.6	9.7	SE	4.83	14.5	SE	20.9	21.7	21.7	760.1	0.00	0.0	0.000	0.054	24.1	77	19.8	25.4	14.95	1.1615 702	1	100.0	30
27/06/11	18:30	21.0	21.6	20.9	82	17.8	9.7	SSE	4.83	14.5	SSE	21.0	21.7	21.7	760.1	0.00	0.0	0.000	0.056	23.8	77	19.5	25.0	14.95	1.1630 702	1	100.0	30
27/06/11	19:00	20.7	20.9	20.7	83	17.7	9.7	SSE	4.83	17.7	SE	20.7	21.6	21.6	760.0	0.00	0.0	0.000	0.049	22.7	77	18.5	23.6	14.95	1.1686 703	1	100.0	30
27/06/11	19:30	20.6	21.1	20.6	83	17.6	8.0	SSE	4.02	14.5	SE	20.6	21.5	21.5	760.0	0.00	0.0	0.000	0.046	22.2	77	18.0	22.9	14.95	1.1713 701	1	100.0	30
27/06/11	20:00	21.2	21.3	20.5	83	18.2	3.2	S	1.61	11.3	SE	21.2	22.0	22.0	760.0	0.00	0.0	0.000	0.060	21.8	78	17.8	22.4	15.32	1.1731 703	1	100.0	30
27/06/11	20:30	21.2	21.2	20.8	83	18.2	1.6	SSE	0.80	9.7	SE	21.2	21.9	21.9	760.0	0.00	0.0	0.000	0.059	21.5	78	17.5	22.1	15.34	1.1750 701	1	100.0	30
27/06/11	21:00	21.5	21.5	21.1	80	17.9	3.2	S	1.61	9.7	SSE	21.5	22.2	22.2	760.1	0.00	0.0	0.000	0.066	21.1	78	17.1	21.6	15.35	1.1773 703	1	100.0	30
27/06/11	21:30	20.3	22.2	20.3	84	17.5	4.8	SW	2.41	12.9	SSE	20.3	21.2	21.2	760.3	0.00	0.0	0.000	0.041	20.8	78	16.9	21.4	15.39	1.1791 702	1	100.0	30
27/06/11	22:00	18.8	20.3	18.8	88	16.7	4.8	SE	2.41	11.3	SSE	18.8	19.4	19.4	760.2	0.00	0.0	0.000	0.009	20.0	78	16.0	20.6	15.51	1.1835 701	1	100.0	30
27/06/11	22:30	18.8	18.8	18.7	89	17.0	3.2	SE	1.61	11.3	ESE	18.8	19.5	19.5	760.2	0.00	0.0	0.000	0.010	19.2	78	15.2	19.6	15.63	1.1879 701	1	100.0	30
27/06/11	23:00	18.5	18.8	18.5	89	16.7	1.6	SE	0.80	9.7	SSE	18.5	19.1	19.1	760.2	0.00	0.0	0.000	0.003	18.7	79	15.0	19.2	16.18	1.1900 701	1	100.0	30
27/06/11	23:30	18.0	18.6	18.0	90	16.3	4.8	SE	2.41	19.3	SE	18.0	18.5	18.5	760.5	0.00	0.0	0.007	0.000	18.3	79	14.6	18.6	16.25	1.1928 701	1	100.0	30
28/06/11	00:00	18.2	18.4	18.0	89	16.4	4.8	WSW	2.41	19.3	SE	18.2	18.7	18.7	760.6	0.00	0.0	0.002	0.000	17.7	79	14.0	17.9	16.21	1.1959 701	1	100.0	30
28/06/11	0:30	17.7	18.2	17.7	90	16.1	3.2	WSW	1.61	8.0	W	17.7	18.2	18.2	760.6	0.00	0.0	0.013	0.000	17.3	79	13.6	17.4	16.17	1.1983 702	1	100.0	30
28/06/11	1:00	17.2	17.9	17.2	92	15.9	1.6	SE	0.80	12.9	SE	17.2	17.6	17.6	760.6	0.00	0.0	0.023	0.000	16.8	79	13.2	16.9	16.14	1.2007 702	1	100.0	30
28/06/11	1:30	17.3	17.4	17.2	93	16.1	0.0	SW	0.00	3.2	SW	17.3	17.7	17.7	760.5	0.00	0.0	0.022	0.000	16.4	79	12.7	16.4	16.11	1.2029 702	1	100.0	30
28/06/11	2:00	16.8	17.6	16.8	93	15.6	1.6	SE	0.80	6.4	S	16.8	17.1	17.1	760.5	0.00	0.0	0.032	0.000	16.2	79	12.5	16.2	16.09	1.2040 702	1	100.0	30
28/06/11	2:30	15.9	16.8	15.9	94	15.0	1.6	SE	0.80	4.8	S	15.9	16.2	16.2	760.5	0.00	0.0	0.050	0.000	15.6	79	12.0	15.5	16.05	1.2069 701	1	100.0	30
28/06/11	3:00	17.0	17.0	15.9	96	16.4	1.6	SSW	0.80	4.8	SSW	17.0	17.4	17.4	760.4	0.00	0.0	0.028	0.000	15.4	80	12.0	15.4	16.35	1.2075 702	1	100.0	30
28/06/11	3:30	16.3	17.6	16.3	94	15.3	1.6	SSW	0.80	4.8	SSW	16.3	16.6	16.6	760.6	0.00	0.0	0.043	0.000	15.7	80	12.3	15.7	16.37	1.2064 702	1	100.0	30
28/06/11	4:00	16.4	16.4	16.1	96	15.7	3.2	WSW	1.61	6.4	WSW	16.4	16.7	16.7	760.7	0.00	0.0	0.041	0.000	15.4	80	12.0	15.4	16.35	1.2080 702	1	100.0	30
28/06/11	4:30	17.7	17.7	16.3	96	17.1	4.8	W	2.41	8.0	W	17.7	18.3	18.3	760.7	0.00	0.0	0.013	0.000	15.6	80	12.2	15.6	16.36	1.2071 701	1	100.0	30
28/06/11	5:00	19.2	19.2	17.7	94	18.2	4.8	WNW	2.41	11.3	NNW	19.2	20.0	20.0	760.9	0.00	0.0	0.000	0.017	16.6	80	13.1	16.7	16.46	1.2021 703	1	100.0	30
28/06/11	5:30	19.6	19.6	19.2	90	17.9	3.2	NW	1.61	8.0	NNW	19.6	20.5	20.5	760.8	0.00	0.0	0.00										

28/06/11	12:30	20.6	21.2	20.3	82	17.4	9.7	NE	4.83	17.7	NE	20.6	21.4	21.4	760.1	0.00	0.0	0.000	0.046	24.6	74	19.6	25.8	14.03	1.1598	701	1	100.0	30
28/06/11	13:00	20.4	20.9	20.3	81	17.0	11.3	NE	5.63	20.9	E	20.4	21.2	21.2	760.4	0.00	0.0	0.000	0.043	24.3	75	19.6	25.6	14.35	1.1611	703	1	100.0	30
28/06/11	13:30	19.7	20.5	19.6	84	16.9	11.3	ENE	5.63	20.9	ENE	19.7	20.4	20.4	760.2	0.00	0.0	0.000	0.028	23.9	75	19.2	25.1	14.35	1.1629	701	1	100.0	30
28/06/11	14:00	20.2	20.2	19.6	84	17.4	9.7	NE	4.83	19.3	ENE	20.2	21.1	21.1	760.0	0.00	0.0	0.000	0.039	24.1	76	19.6	25.3	14.65	1.1617	703	1	100.0	30
28/06/11	14:30	20.1	20.6	20.1	82	16.9	8.0	NE	4.02	14.5	NNE	20.1	20.9	20.9	759.8	0.00	0.0	0.000	0.037	24.6	76	20.0	25.9	14.65	1.1587	702	1	100.0	30
28/06/11	15:00	17.8	20.1	17.8	88	15.8	6.4	ENE	3.22	12.9	NNE	17.8	18.2	18.2	760.7	0.00	0.0	0.010	0.000	22.6	74	17.7	23.3	14.14	1.1713	702	1	100.0	30
28/06/11	15:30	16.9	17.8	16.9	93	15.8	4.8	ENE	2.41	11.3	ENE	16.9	17.3	17.3	761.1	1.00	7.6	0.029	0.000	19.6	76	15.3	20.1	14.80	1.1875	699	1	100.0	30
28/06/11	16:00	17.9	17.9	16.9	94	17.0	3.2	NE	1.61	9.7	NE	17.9	18.5	18.5	760.7	0.00	0.0	0.008	0.000	19.1	78	15.1	19.5	15.65	1.1892	702	1	100.0	30
28/06/11	16:30	18.4	18.8	17.9	93	17.3	4.8	WNW	2.41	14.5	WNW	18.4	19.1	19.1	761.3	0.00	0.0	0.000	0.002	19.8	78	15.8	20.4	15.54	1.1864	703	1	100.0	30
28/06/11	17:00	16.8	18.4	16.8	93	15.6	9.7	WNW	4.83	22.5	NW	16.8	17.1	17.1	761.4	0.00	0.0	0.032	0.000	18.9	78	15.0	19.3	15.67	1.1912	702	1	100.0	30
28/06/11	17:30	16.3	16.8	16.3	94	15.3	6.4	NNE	3.22	17.7	NNW	16.3	16.6	16.6	762.5	0.80	56.2	0.043	0.000	17.6	78	13.7	17.8	15.72	1.1998	703	1	100.0	30
28/06/11	18:00	16.3	16.3	16.2	95	15.5	12.9	NE	6.44	25.7	ENE	15.7	16.7	16.0	760.4	5.40	81.8	0.042	0.000	16.8	79	13.1	16.8	16.14	1.2006	700	1	100.0	30
28/06/11	18:30	16.1	16.3	15.9	95	15.3	6.4	NNE	3.22	12.9	NE	16.1	16.3	16.3	761.0	0.00	0.0	0.047	0.000	16.4	79	12.7	16.4	16.11	1.2037	703	1	100.0	30
28/06/11	19:00	16.1	16.1	15.9	96	15.5	4.8	NW	2.41	12.9	NNW	16.1	16.4	16.4	760.8	0.00	0.0	0.046	0.000	16.2	80	12.8	16.2	16.42	1.2040	702	1	100.0	30
28/06/11	19:30	15.9	16.3	15.9	96	15.3	8.0	WNW	4.02	20.9	W	15.9	16.2	16.2	761.0	0.00	0.0	0.050	0.000	16.3	80	12.9	16.4	16.43	1.2038	682	1	99.7	30
28/06/11	20:00	15.3	15.9	15.3	96	14.7	9.7	WNW	4.83	24.1	NW	15.1	15.6	15.3	761.0	0.00	0.0	0.063	0.000	16.1	80	12.6	16.1	16.40	1.2052	702	1	100.0	30
28/06/11	20:30	14.8	15.3	14.8	96	14.1	9.7	WNW	4.83	24.1	WNW	14.4	15.0	14.6	761.0	0.00	0.0	0.074	0.000	15.6	80	12.1	15.5	16.35	1.2078	701	1	100.0	30
28/06/11	21:00	14.5	14.8	14.5	96	13.9	9.7	WNW	4.83	22.5	WNW	14.1	14.7	14.2	761.0	0.00	0.0	0.080	0.000	15.1	80	11.6	14.9	16.35	1.2105	703	1	100.0	30
28/06/11	21:30	14.3	14.5	14.3	96	13.6	11.3	WNW	5.63	20.9	NW	13.6	14.4	13.7	761.5	0.00	0.0	0.084	0.000	14.7	81	11.5	14.6	16.72	1.2128	702	1	100.0	30
28/06/11	22:00	14.2	14.3	14.2	97	13.7	9.7	WNW	4.83	22.5	WNW	13.7	14.3	13.8	761.9	0.00	0.0	0.087	0.000	14.4	81	11.2	14.3	16.71	1.2150	703	1	100.0	30
28/06/11	22:30	14.0	14.2	14.0	96	13.4	9.7	WNW	4.83	24.1	W	13.4	14.2	13.6	762.4	0.00	0.0	0.090	0.000	14.3	81	11.1	14.2	16.70	1.2166	702	1	100.0	30
28/06/11	23:00	14.0	14.1	14.0	96	13.4	6.4	WNW	3.22	17.7	NW	14.0	14.2	14.2	762.4	0.00	0.0	0.090	0.000	14.1	81	10.9	14.0	16.70	1.2174	702	1	100.0	30
28/06/11	23:30	14.1	14.1	14.0	96	13.5	6.4	WNW	3.22	14.5	W	14.1	14.3	14.3	762.6	0.00	0.0	0.088	0.000	14.1	81	10.9	14.0	16.70	1.2178	702	1	100.0	30
29/06/11	00:00	14.2	14.2	14.1	96	13.5	4.8	WNW	2.41	12.9	WNW	14.2	14.3	14.3	763.0	0.00	0.0	0.087	0.000	14.0	81	10.8	13.9	16.69	1.2191	701	1	100.0	30
29/06/11	0:30	14.1	14.2	14.1	96	13.5	4.8	WNW	2.41	12.9	NNW	14.1	14.3	14.3	763.4	0.00	0.0	0.088	0.000	14.0	81	10.8	13.9	16.69	1.2198	703	1	100.0	30
29/06/11	1:00	14.1	14.1	14.1	96	13.5	4.8	WNW	2.41	9.7	NW	14.1	14.3	14.3	763.7	0.00	0.0	0.088	0.000	14.0	81	10.8	13.9	16.69	1.2201	703	1	100.0	30
29/06/11	1:30	13.9	14.1	13.9	95	13.1	4.8	WNW	2.41	11.3	NW	13.9	14.0	14.0	763.6	0.00	0.0	0.093	0.000	13.9	81	10.7	13.8	16.69	1.2204	702	1	100.0	30
29/06/11	2:00	13.6	13.9	13.6	95	12.8	8.0	WNW	4.02	16.1	WNW	13.2	13.7	13.3	763.5	0.00	0.0	0.100	0.000	13.8	81	10.6	13.6	16.69	1.2210	702	1	100.0	30
29/06/11	2:30	13.6	13.6	13.5	95	12.8	6.4	WNW	3.22	14.5	W	13.5	13.7	13.6	763.4	0.00	0.0	0.100	0.000	13.4	81	10.2	13.3	16.67	1.2227	702	1	100.0	30
29/06/11	3:00	13.6	13.6	13.6	95	12.8	8.0	WNW	4.02	19.3	W	13.3	13.7	13.4	763.4	0.00	0.0	0.098	0.000	13.4	81	10.2	13.2	16.67	1.2229	701	1	100.0	30
29/06/11	3:30	13.4	13.6	13.4	94	12.5	11.3	W	5.63	20.9	WNW	12.6	13.6	12.7	763.5	0.00	0.0	0.102	0.000	13.3	81	10.1	13.1	16.67	1.2237	702	1	100.0	30
29/06/11	4:00	13.3	13.4	13.3	93	12.2	9.7	W	4.83	20.9	W	12.6	13.4	12.7	763.5	0.00	0.0	0.105	0.000	13.1	81	9.9	12.9	16.66	1.2246	702	1	100.0	30
29/06/11	4:30	13.4	13.5	13.3	93	12.3	11.3	W	5.63	20.9	WNW	12.6	13.6	12.7	763.7	0.00	0.0	0.102	0.000	13.1	82	10.1	12.9	16.96	1.2249	703	1	100.0	30
29/06/11	5:00	13.1	13.4	13.1	92	11.8	9.7	W	4.83	19.3	WNW	12.4	13.2	12.4	763.9	0.00	0.0	0.109	0.000	13.1	82	10.1	12.9	16.96	1.2253	700	1	100.0	30
29/06/11	5:30	12.4	13.1	12.4	89	10.7	11.3	W	5.63	22.5	WNW	11.4	12.5	11.4	764.3	0.00	0.0	0.123	0.000	12.7	81	9.5	12.6	16.65	1.2278	702	1	100.0	30
29/06/11	6:00	11.7	12.4	11.7	89	9.9	9.7	W	4.83	19.3	WSW	10.7	11.7	10.7	764.4	0.00	0.0	0.139	0.000	11.9	81	8.7	11.7	16.71	1.2325	700	1	100.0	30
29/06/11	6:30	11.4	11.7	11.2	89	9.7	9.7	W	4.83	17.7	W	10.4	11.5	10.4	764.6	0.00	0.0	0.144	0.000	11.1	82	8.1	11.0	17.14	1.2369	702	1	100.0	30
29/06/11	7:00	12.3	12.3	11.4	86	10.0	12.9	W	6.44	25.7	WNW	10.8	12.2	10.7	764.6	0.00	0.0	0.126	0.000	11.2	83	8.4	11.1	17.58	1.2363	703	1	100.0	30
29/06/11	7:30	12.7	12.7	12.2	84	10.0	12.9	W	6.44	22.5	W	11.3	12.6	11.2	764.8	0.00	0.0	0.118	0.000	11.8	84	9.2	11.7	17.96	1.2331	701	1	100.0	30
29/06/11	8:00	13.4	13.4	12.7	81	10.2	11.3	W	5.63	20.9	W	12.6	13.3	12.4	765.0	0.00	0.0	0.102	0.000	12.8	84	10.1	12.7	17.85	1.2282	703	1	100.0	30
29/06/11	8:30	14.2	14.2	13.4	79	10.6	11.3	W	5.63	20.9	WNW	13.4	14.0	13.3	765.3	0.00	0.0	0.087	0.000	13.9	84	11.3	13.9	17.85	1.2225	702	1	100.0	30
29/06/11	9:00	15.2	15.2	14.2	77	11.2	11.3	W	5.63	22.5	W	14.7	14.9	14.4	765.5	0.00	0.0	0.066	0.000	15.2	84	12.5	15.2	17.85	1.2160	703	1	100.0	30
29/06/11	9:30	16.1	16.1	15.2	74	11.5	9.7	W	4.83	17.7	WSW	16.0	15.9	15.8	765.7	0.00	0.0	0.046	0.000	16.8	83	13.9	16.9	17.49	1.2082	702	1	100.0	30
29/06/11	10:00	17.2	17.2	16.1	70	11.6	8.0	W	4.02	19.3	WNW	17.2	17.0	17.0	765.7	0.00	0.0	0.024	0.000	18.3	82	15.2	18.7	17.25	1.2001	702	1	100.0	30
29/06/11	10:30	17.8	17.8	17.2	67	11.6	8.0	WNW	4.02	17.7	WNW	17.8	17.6	17.6	765.8	0.00	0.0	0.012	0.000	19.9	80	16.3	20.6	16.37	1.1923	682	1	99.7	30
29/06/11	11:00	18.4	18.4	17.8	66	12.0	8.0	WNW	4.02	19.3	WNW	18.4	18.3	18.3	765.9	0.00	0.0	0.000	0.002	21.2	78	17.2	21.7	15.35	1.1858	702	1	100.0	30
2																													

29/06/11	18:30	14.6	15.0	14.6	82	11.5	8.0	E	4.02	12.9	E	14.3	14.4	14.2	767.5	0.00	0.0	0.079	0.000	15.4	81	12.1	15.3	16.74	1.2190	701	1	100.0	30
29/06/11	19:00	15.1	15.2	14.6	76	10.9	8.0	E	4.02	12.9	ESE	15.0	14.9	14.8	767.5	0.00	0.0	0.067	0.000	15.3	81	12.0	15.2	16.74	1.2196	702	1	100.0	30
29/06/11	19:30	15.1	15.1	14.9	76	10.9	8.0	ESE	4.02	12.9	ESE	14.9	14.8	14.7	767.6	0.00	0.0	0.068	0.000	14.9	81	11.7	14.8	16.73	1.2214	702	1	100.0	30
29/06/11	20:00	15.3	15.3	15.1	71	10.0	8.0	ESE	4.02	11.3	ESE	15.2	14.9	14.9	767.6	0.00	0.0	0.064	0.000	14.7	81	11.5	14.6	16.72	1.2227	702	1	100.0	30
29/06/11	20:30	15.3	15.3	15.3	77	11.3	4.8	ESE	2.41	9.7	ESE	15.3	15.1	15.1	768.0	0.00	0.0	0.064	0.000	14.7	81	11.5	14.6	16.72	1.2233	701	1	100.0	30
29/06/11	21:00	13.4	15.3	13.4	83	10.6	4.8	NW	2.41	16.1	WNW	13.4	13.3	13.3	768.3	0.20	0.0	0.103	0.000	14.0	80	10.6	13.8	16.35	1.2278	702	1	100.0	30
29/06/11	21:30	13.9	13.9	12.9	81	10.7	6.4	ENE	3.22	12.9	NE	13.9	13.7	13.7	768.3	0.00	0.0	0.093	0.000	13.2	80	9.8	13.1	16.35	1.2319	702	1	100.0	30
29/06/11	22:00	14.7	14.8	13.9	75	10.3	11.3	E	5.63	19.3	E	14.1	14.4	13.8	768.3	0.00	0.0	0.076	0.000	13.4	81	10.2	13.2	16.67	1.2310	703	1	100.0	30
29/06/11	22:30	14.6	14.7	14.6	76	10.4	11.3	E	5.63	17.7	E	13.9	14.3	13.7	768.4	0.00	0.0	0.079	0.000	13.6	81	10.4	13.4	16.68	1.2302	702	1	100.0	30
29/06/11	23:00	14.7	14.7	14.6	75	10.3	11.3	E	5.63	14.5	E	14.1	14.4	13.8	768.3	0.00	0.0	0.076	0.000	13.6	81	10.4	13.4	16.68	1.2300	701	1	100.0	30
29/06/11	23:30	14.8	14.9	14.7	74	10.2	9.7	ESE	4.83	14.5	ESE	14.4	14.6	14.2	768.2	0.00	0.0	0.073	0.000	13.6	81	10.4	13.4	16.68	1.2299	702	1	100.0	30
30/06/11	00:00	13.5	14.9	13.5	80	10.1	4.8	SE	2.41	12.9	ESE	13.5	13.3	13.3	768.3	0.00	0.0	0.101	0.000	13.4	81	10.2	13.3	16.67	1.2307	701	1	100.0	30
30/06/11	0:30	11.8	13.5	11.8	89	10.0	3.2	SE	1.61	6.4	SE	11.8	11.8	11.8	768.4	0.00	0.0	0.137	0.000	12.6	80	9.2	12.4	16.35	1.2356	701	1	100.0	30
30/06/11	1:00	11.4	11.8	11.4	91	10.0	3.2	S	1.61	6.4	S	11.4	11.6	11.6	768.2	0.00	0.0	0.144	0.000	11.7	81	8.6	11.6	16.73	1.2396	702	1	100.0	30
30/06/11	1:30	10.9	11.4	10.9	92	9.7	1.6	S	0.80	6.4	S	10.9	11.1	11.1	768.3	0.00	0.0	0.154	0.000	10.8	81	7.7	10.8	16.79	1.2444	702	1	100.0	30
30/06/11	2:00	10.4	10.9	10.4	93	9.4	3.2	S	1.61	6.4	S	10.4	10.6	10.6	768.2	0.00	0.0	0.164	0.000	9.9	81	6.8	9.9	16.85	1.2491	702	1	100.0	30
30/06/11	2:30	10.8	10.8	10.2	95	10.1	3.2	S	1.61	14.5	WNW	10.8	11.0	11.0	768.3	0.00	0.0	0.156	0.000	9.4	81	6.3	9.4	16.85	1.2516	702	1	100.0	30
30/06/11	3:00	11.3	11.3	10.8	93	10.2	6.4	W	3.22	14.5	WSW	10.8	11.4	10.9	768.3	0.00	0.0	0.147	0.000	9.7	82	6.8	9.7	17.24	1.2500	703	1	100.0	30
30/06/11	3:30	10.9	11.3	10.9	91	9.5	4.8	W	2.41	11.3	WSW	10.8	11.0	10.9	768.2	0.00	0.0	0.155	0.000	9.8	82	6.9	9.8	17.24	1.2492	702	1	100.0	30
30/06/11	4:00	10.2	10.9	10.2	92	9.0	3.2	W	1.61	6.4	W	10.2	10.4	10.4	768.1	0.00	0.0	0.169	0.000	9.4	82	6.5	9.4	17.23	1.2511	700	1	100.0	30
30/06/11	4:30	9.9	10.2	9.9	93	8.8	4.8	W	2.41	9.7	WSW	9.7	10.1	9.9	768.2	0.00	0.0	0.176	0.000	9.1	82	6.2	9.1	17.22	1.2531	700	1	100.0	30
30/06/11	5:00	10.1	10.1	9.9	92	8.8	6.4	W	3.22	11.3	W	9.4	10.3	9.7	768.3	0.00	0.0	0.172	0.000	8.8	82	5.9	8.7	17.21	1.2550	702	1	100.0	30
30/06/11	5:30	10.2	10.2	9.9	91	8.8	6.4	W	3.22	11.3	WSW	9.6	10.3	9.7	768.4	0.00	0.0	0.170	0.000	8.7	82	5.8	8.6	17.20	1.2556	701	1	100.0	30
30/06/11	6:00	10.8	10.8	10.2	89	9.0	6.4	W	3.22	9.7	WNW	10.3	10.9	10.4	768.6	0.00	0.0	0.157	0.000	8.8	82	5.9	8.7	17.21	1.2553	702	1	100.0	30
30/06/11	6:30	11.8	11.8	10.8	86	9.5	6.4	W	3.22	12.9	W	11.4	11.7	11.3	768.7	0.00	0.0	0.137	0.000	9.3	83	6.6	9.3	17.70	1.2524	703	1	100.0	30
30/06/11	7:00	12.8	12.8	11.8	82	9.8	6.4	WNW	3.22	14.5	WNW	12.6	12.7	12.4	768.8	0.00	0.0	0.116	0.000	10.4	84	7.8	10.4	18.11	1.2470	702	1	100.0	30
30/06/11	7:30	13.6	13.6	12.8	78	9.8	6.4	WNW	3.22	14.5	WNW	13.6	13.4	13.3	768.9	0.00	0.0	0.098	0.000	11.7	84	9.1	11.7	17.96	1.2401	703	1	100.0	30
30/06/11	8:00	14.5	14.5	13.6	75	10.1	6.4	WNW	3.22	16.1	NW	14.5	14.2	14.2	768.9	0.00	0.0	0.080	0.000	13.2	84	10.6	13.2	17.85	1.2321	702	1	100.0	30
30/06/11	8:30	15.0	15.0	14.5	69	9.4	8.0	WNW	4.02	14.5	W	14.9	14.6	14.4	768.9	0.00	0.0	0.069	0.000	14.7	84	12.0	14.7	17.85	1.2242	702	1	100.0	30
30/06/11	9:00	15.8	15.8	15.0	66	9.5	8.0	WNW	4.02	14.5	W	15.8	15.4	15.4	768.9	0.00	0.0	0.052	0.000	16.2	83	13.3	16.2	17.47	1.2166	703	1	100.0	30
30/06/11	9:30	16.3	16.4	15.8	60	8.5	8.0	WNW	4.02	17.7	WNW	16.3	15.7	15.7	768.8	0.00	0.0	0.042	0.000	17.6	82	14.5	17.9	17.20	1.2089	702	1	100.0	30
30/06/11	10:00	17.1	17.1	16.3	58	8.7	8.0	W	4.02	17.7	W	17.1	16.4	16.4	768.8	0.00	0.0	0.027	0.000	18.9	80	15.4	19.4	16.55	1.2025	675	1	98.7	30
30/06/11	10:30	17.6	17.6	17.1	59	9.4	9.7	W	4.83	19.3	W	17.6	16.9	16.9	768.7	0.00	0.0	0.016	0.000	20.2	79	16.4	20.9	15.92	1.1956	702	1	100.0	30
30/06/11	11:00	17.7	18.2	17.6	57	9.0	9.7	W	4.83	20.9	WNW	17.7	17.0	17.0	768.7	0.00	0.0	0.014	0.000	21.4	77	17.2	21.9	14.95	1.1897	703	1	100.0	30
30/06/11	11:30	18.0	18.3	16.9	56	9.1	9.7	W	4.83	20.9	WSW	18.0	17.3	17.3	768.6	0.00	0.0	0.007	0.000	21.3	76	16.9	21.7	14.74	1.1904	701	1	100.0	30
30/06/11	12:00	16.9	18.3	16.7	61	9.4	8.0	W	4.02	19.3	NW	16.9	16.3	16.3	768.7	0.00	0.0	0.029	0.000	20.9	74	16.1	21.3	14.25	1.1929	702	1	100.0	30
30/06/11	12:30	19.3	19.3	17.0	54	9.8	8.0	W	4.02	17.7	W	19.3	18.8	18.8	768.4	0.00	0.0	0.000	0.021	21.3	76	16.9	21.7	14.74	1.1901	702	1	100.0	30
30/06/11	13:00	17.6	19.3	17.6	57	9.0	8.0	WNW	4.02	19.3	WNW	17.6	16.9	16.9	768.4	0.00	0.0	0.015	0.000	21.9	74	17.1	22.4	14.19	1.1870	701	1	100.0	30
30/06/11	13:30	17.7	18.5	17.2	58	9.3	8.0	W	4.02	16.1	W	17.7	17.1	17.1	768.5	0.00	0.0	0.013	0.000	20.8	76	16.4	21.3	14.76	1.1925	703	1	100.0	30
30/06/11	14:00	18.0	18.2	17.6	58	9.6	9.7	W	4.83	22.5	W	18.0	17.4	17.4	768.3	0.00	0.0	0.007	0.000	20.6	76	16.2	21.2	14.77	1.1939	702	1	100.0	30
30/06/11	14:30	17.6	18.4	17.6	57	9.0	8.0	WNW	4.02	16.1	W	17.6	16.9	16.9	768.2	0.00	0.0	0.015	0.000	20.3	76	16.0	20.9	14.78	1.1948	702	1	100.0	30
30/06/11	15:00	19.1	19.4	17.6	53	9.3	6.4	W	3.22	16.1	WNW	19.1	18.4	18.4	768.1	0.00	0.0	0.000	0.015	20.3	78	16.4	21.0	15.46	1.1942	702	1	100.0	30
30/06/11	15:30	17.0	19.0	16.9	75	12.5	14.5	ENE	7.24	27.4	ENE	15.9	16.9	15.9	768.1	0.00	0.0	0.028	0.000	20.3	77	16.1	20.9	15.07	1.1947	701	1	100.0	30
30/06/11	16:00	15.7	17.1	15.7	77	11.7	17.7	E	8.85	29.0	E	13.7	15.6	13.6	768.2	0.00	0.0	0.054	0.000	18.6	76	14.2	18.8	14.84	1.2044	700	1	100.0	30
30/06/11	16:30	15.9	16.1	15.7	76	11.7	8.0	E	4.02	17.7	E	15.9	15.8	15.8	768.8	0.00	0.0	0.050	0.000	17.2	77	13.2	17.3	15.35	1.2121	701	1	100.0	30
30/06/11	17:00	14.3	15.9	14.3	84	11.6	6.4	WNW	3.22	17.7	WNW	14.3	14.2	14.2	769.0	0.00	0.0	0.084	0.000	16.1	77	12.0	15.9	15.35	1.2187	702	1	100.0	30
30/06/11	17:30	13.5	14.3	13.4	90	1																							

01/07/11	0:30	9.8	9.9	9.8	95	9.1	4.8	W	2.41	8.0	W	9.6	10.1	9.9	769.3	0.00	0.0	0.177	0.000	9.3	81	6.2	9.3	16.85	1.2539	702	1	100.0	30
01/07/11	1:00	9.8	9.8	9.8	95	9.0	4.8	W	2.41	9.7	W	9.6	10.1	9.8	769.4	0.00	0.0	0.178	0.000	9.2	81	6.1	9.1	16.85	1.2548	701	1	100.0	30
01/07/11	1:30	9.5	9.8	9.4	96	8.9	4.8	W	2.41	9.7	W	9.2	9.8	9.5	769.3	0.00	0.0	0.184	0.000	8.9	81	5.9	8.9	16.85	1.2559	702	1	100.0	30
01/07/11	2:00	9.3	9.6	9.3	95	8.6	6.4	W	3.22	12.9	W	8.6	9.6	8.9	769.2	0.00	0.0	0.188	0.000	8.8	81	5.7	8.7	16.85	1.2566	679	1	99.3	30
01/07/11	2:30	9.3	9.4	9.2	95	8.5	6.4	W	3.22	11.3	WNW	8.6	9.6	8.8	769.2	0.00	0.0	0.189	0.000	8.4	81	5.4	8.4	16.85	1.2582	701	1	100.0	30
01/07/11	3:00	9.4	9.4	9.3	94	8.5	6.4	W	3.22	12.9	WNW	8.7	9.7	8.9	769.2	0.00	0.0	0.186	0.000	8.3	81	5.2	8.2	16.85	1.2591	700	1	100.0	30
01/07/11	3:30	9.1	9.4	9.1	94	8.2	6.4	W	3.22	12.9	WNW	8.3	9.3	8.6	769.2	0.00	0.0	0.192	0.000	8.1	81	5.0	8.0	16.85	1.2601	701	1	100.0	30
01/07/11	4:00	9.1	9.1	9.1	95	8.4	6.4	W	3.22	11.3	W	8.3	9.3	8.6	769.3	0.00	0.0	0.192	0.000	7.9	81	4.9	7.8	16.85	1.2610	703	1	100.0	30
01/07/11	4:30	9.2	9.3	9.1	95	8.5	8.0	W	4.02	12.9	W	8.1	9.5	8.4	769.3	0.00	0.0	0.190	0.000	7.9	82	5.1	7.9	17.18	1.2610	700	1	100.0	30
01/07/11	5:00	9.1	9.3	9.1	94	8.2	6.4	W	3.22	12.9	W	8.3	9.3	8.6	769.5	0.00	0.0	0.192	0.000	7.9	82	5.1	7.9	17.18	1.2613	702	1	100.0	30
01/07/11	5:30	9.3	9.3	9.1	94	8.4	6.4	W	3.22	14.5	WNW	8.6	9.6	8.8	769.5	0.00	0.0	0.188	0.000	7.9	82	5.1	7.9	17.18	1.2612	701	1	100.0	30
01/07/11	6:00	9.8	9.8	9.3	93	8.7	6.4	W	3.22	14.5	WNW	9.1	10.0	9.3	769.5	0.00	0.0	0.178	0.000	8.1	82	5.2	8.1	17.18	1.2604	702	1	100.0	30
01/07/11	6:30	10.5	10.5	9.8	92	9.3	6.4	WNW	3.22	14.5	WNW	9.9	10.7	10.1	769.5	0.00	0.0	0.163	0.000	8.6	82	5.7	8.6	17.20	1.2578	703	1	100.0	30
01/07/11	7:00	11.3	11.3	10.5	90	9.8	8.0	WNW	4.02	17.7	NW	10.6	11.4	10.7	769.6	0.00	0.0	0.146	0.000	9.5	83	6.8	9.5	17.71	1.2532	702	1	100.0	30
01/07/11	7:30	12.4	12.4	11.4	88	10.5	6.4	WNW	3.22	14.5	W	12.2	12.4	12.2	769.9	0.00	0.0	0.123	0.000	10.7	84	8.1	10.7	18.07	1.2470	703	1	100.0	30
01/07/11	8:00	13.2	13.2	12.4	86	10.9	8.0	WNW	4.02	16.1	WNW	12.8	13.2	12.8	769.9	0.00	0.0	0.106	0.000	12.1	85	9.7	12.1	18.35	1.2396	702	1	100.0	30
01/07/11	8:30	14.1	14.1	13.2	83	11.2	8.0	WNW	4.02	14.5	NW	13.8	13.9	13.7	770.1	0.00	0.0	0.089	0.000	13.6	84	11.0	13.6	17.85	1.2320	703	1	100.0	30
01/07/11	9:00	14.9	14.9	14.1	80	11.5	6.4	WNW	3.22	14.5	WNW	14.9	14.8	14.8	770.1	0.00	0.0	0.071	0.000	15.3	83	12.4	15.3	17.44	1.2233	702	1	100.0	30
01/07/11	9:30	15.9	15.9	14.9	74	11.3	6.4	WNW	3.22	12.9	WNW	15.9	15.7	15.7	770.1	0.00	0.0	0.050	0.000	16.8	82	13.7	17.0	17.14	1.2151	703	1	100.0	30
01/07/11	10:00	16.8	16.8	15.9	69	11.1	6.4	WNW	3.22	14.5	WNW	16.8	16.5	16.5	770.0	0.00	0.0	0.032	0.000	18.4	81	15.1	18.9	16.93	1.2066	702	1	100.0	30
01/07/11	10:30	16.6	17.4	16.6	66	10.2	6.4	NNW	3.22	16.1	N	16.6	16.2	16.2	769.9	0.00	0.0	0.036	0.000	19.7	79	16.0	20.3	16.00	1.2000	700	1	100.0	30
01/07/11	11:00	17.3	17.6	16.6	66	10.9	4.8	NW	2.41	12.9	N	17.3	17.1	17.1	769.8	0.00	0.0	0.021	0.000	20.1	78	16.1	20.7	15.50	1.1983	702	1	100.0	30
01/07/11	11:30	16.6	18.0	16.6	67	10.4	4.8	NNW	2.41	16.1	NNW	16.6	16.2	16.2	769.7	0.00	0.0	0.037	0.000	20.4	77	16.3	21.1	15.05	1.1963	674	1	98.5	30
01/07/11	12:00	15.7	17.2	15.7	75	11.3	9.7	ENE	4.83	16.1	ENE	15.6	15.5	15.3	769.7	0.00	0.0	0.054	0.000	19.5	76	15.2	19.9	14.81	1.2017	701	1	100.0	30
01/07/11	12:30	15.5	16.9	15.5	75	11.1	11.3	ENE	5.63	17.7	E	15.1	15.3	14.8	769.8	0.00	0.0	0.059	0.000	18.6	66	12.1	18.4	12.15	1.2096	697	1	100.0	30
01/07/11	13:00	15.4	15.7	15.4	71	10.2	9.7	E	4.83	16.1	ENE	15.1	15.1	14.8	770.0	0.00	0.0	0.061	0.000	17.6	72	12.5	17.6	13.75	1.2133	703	1	100.0	30
01/07/11	13:30	15.9	16.2	15.2	71	10.6	9.7	E	4.83	17.7	E	15.7	15.6	15.4	770.0	0.00	0.0	0.051	0.000	17.4	74	12.8	17.4	14.25	1.2136	702	1	100.0	30
01/07/11	14:00	15.9	15.9	15.4	73	11.1	9.7	E	4.83	17.7	E	15.8	15.7	15.6	769.9	0.00	0.0	0.050	0.000	17.3	75	12.8	17.2	14.53	1.2142	702	1	100.0	30
01/07/11	14:30	16.2	16.6	15.9	69	10.5	9.7	E	4.83	17.7	ESE	16.1	15.8	15.7	769.9	0.00	0.0	0.045	0.000	18.1	75	13.6	18.2	14.47	1.2097	702	1	100.0	30
01/07/11	15:00	15.5	16.2	15.5	72	10.5	9.7	E	4.83	14.5	E	15.3	15.2	15.0	769.9	0.00	0.0	0.059	0.000	17.8	75	13.3	17.9	14.49	1.2112	701	1	100.0	30
01/07/11	15:30	15.7	15.7	15.4	72	10.6	9.7	E	4.83	16.1	E	15.4	15.4	15.2	769.9	0.00	0.0	0.056	0.000	17.2	76	13.0	17.2	14.89	1.2142	675	1	98.7	30
01/07/11	16:00	15.4	15.7	15.3	73	10.6	8.0	ESE	4.02	12.9	E	15.4	15.2	15.2	769.9	0.00	0.0	0.060	0.000	17.0	76	12.7	16.9	14.90	1.2153	702	1	100.0	30
01/07/11	16:30	15.8	15.8	15.3	71	10.6	8.0	ESE	4.02	14.5	ESE	15.8	15.6	15.6	769.7	0.00	0.0	0.052	0.000	16.8	76	12.6	16.8	14.90	1.2160	702	1	100.0	30
01/07/11	17:00	15.3	16.0	15.3	72	10.3	8.0	ESE	4.02	12.9	ESE	15.3	15.0	14.9	769.6	0.00	0.0	0.063	0.000	17.4	76	13.2	17.5	14.88	1.2126	702	1	100.0	30
01/07/11	17:30	15.7	15.8	15.3	71	10.5	6.4	ESE	3.22	11.3	SE	15.7	15.4	15.4	769.4	0.00	0.0	0.054	0.000	17.4	77	13.3	17.4	15.35	1.2123	702	1	100.0	30
01/07/11	18:00	15.5	15.8	15.3	69	9.8	8.0	ESE	4.02	11.3	E	15.5	15.1	15.1	769.2	0.00	0.0	0.059	0.000	17.1	77	13.0	17.1	15.35	1.2135	702	1	100.0	30
01/07/11	18:30	14.9	15.6	14.9	75	10.5	6.4	E	3.22	12.9	E	14.9	14.7	14.7	769.2	0.00	0.0	0.071	0.000	16.8	76	12.5	16.7	14.91	1.2155	702	1	100.0	30
01/07/11	19:00	15.3	15.3	14.9	75	10.9	6.4	E	3.22	11.3	E	15.3	15.0	15.0	769.2	0.00	0.0	0.064	0.000	16.3	77	12.3	16.3	15.35	1.2176	703	1	100.0	30
01/07/11	19:30	14.9	15.3	14.9	79	11.3	6.4	ENE	3.22	9.7	E	14.9	14.8	14.8	769.2	0.00	0.0	0.071	0.000	16.2	77	12.2	16.1	15.35	1.2182	701	1	100.0	30
01/07/11	20:00	14.6	14.9	14.6	77	10.6	6.4	ENE	3.22	12.9	E	14.6	14.4	14.4	769.2	0.00	0.0	0.078	0.000	15.6	77	11.5	15.4	15.35	1.2217	673	1	98.4	30
01/07/11	20:30	14.3	14.6	14.3	77	10.4	6.4	ENE	3.22	11.3	ENE	14.3	14.1	14.1	769.1	0.00	0.0	0.083	0.000	14.6	77	10.6	14.4	15.38	1.2265	702	1	100.0	30
01/07/11	21:00	13.9	14.3	13.9	78	10.2	4.8	ENE	2.41	12.9	ENE	13.9	13.7	13.7	769.1	0.00	0.0	0.091	0.000	13.6	78	9.8	13.4	15.72	1.2315	702	1	100.0	30
01/07/11	21:30	13.7	14.0	13.7	77	9.8	4.8	ENE	2.41	9.7	ENE	13.7	13.5	13.5	769.0	0.00	0.0	0.096	0.000	12.9	78	9.1	12.7	15.75	1.2352	701	1	100.0	30
01/07/11	22:00	13.3	13.7	13.3	77	9.4	3.2	ENE	1.61	8.0	E	13.3	13.1	13.1	769.1	0.00	0.0	0.104	0.000	12.1	78	8.4	11.9	15.75	1.2394	701	1	100.0	30
01/07/11	22:30	10.8	13.3	10.8	86	8.6	0.0	E	0.00	3.2	E	10.8	10.8	10.8	768.8	0.00	0.0	0.156	0.000	10.7	77	6.9	10.6	15.45	1.2464	702	1	100.0	30
01/07/11	23:00	9.6	10.8	9.6	90	8.0	1.6	E	0.80	3.2	E	9.6	9.7	9.7	768.8	0.00	0.0	0.183	0.000	9.4	78	5.8	9.3	15.73	1.2528	702	1	100.0	30
01/07/11	23:30	9.1	9.5	9.0	93	8.0	3.2	E	1.61	4.8	E	9.1	9.2	9.2	768.8	0.00	0.0	0.19											

02/07/11	6:30	11.7	11.7	10.7	92	10.4	3.2	NW	1.61	6.4	NW	11.7	11.8	11.8	767.1	0.00	0.0	0.139	0.000	8.8	81	5.7	8.8	16.85	1.2528702	1	100.0	30
02/07/11	7:00	13.1	13.1	11.7	89	11.3	3.2	NW	1.61	8.0	NW	13.1	13.1	13.1	767.0	0.00	0.0	0.110	0.000	10.2	82	7.3	10.2	17.23	1.2453703	1	100.0	30
02/07/11	7:30	14.1	14.1	13.1	80	10.7	4.8	NNW	2.41	11.3	N	14.1	13.9	13.9	767.0	0.00	0.0	0.088	0.000	11.7	82	8.7	11.6	17.06	1.2373701	1	100.0	30
02/07/11	8:00	15.3	15.3	14.1	68	9.5	3.2	NNW	1.61	11.3	N	15.3	14.9	14.9	766.8	0.00	0.0	0.063	0.000	13.2	82	10.2	13.1	16.97	1.2292702	1	100.0	30
02/07/11	8:30	16.6	16.6	15.3	67	10.5	4.8	N	2.41	11.3	NE	16.6	16.3	16.3	766.7	0.00	0.0	0.036	0.000	15.1	82	12.0	15.0	17.03	1.2193703	1	100.0	30
02/07/11	9:00	17.3	17.3	16.6	64	10.5	4.8	NE	2.41	12.9	NNE	17.3	16.9	16.9	766.6	0.00	0.0	0.021	0.000	16.9	80	13.5	17.1	16.50	1.2094701	1	100.0	30
02/07/11	9:30	17.3	17.7	17.2	63	10.2	6.4	NE	3.22	11.3	NE	17.3	16.8	16.8	766.5	0.00	0.0	0.022	0.000	18.4	79	14.7	18.8	16.23	1.2015702	1	100.0	30
02/07/11	10:00	16.7	17.4	16.7	67	10.5	8.0	ENE	4.02	16.1	ENE	16.7	16.3	16.3	766.4	0.00	0.0	0.035	0.000	19.2	77	15.0	19.6	15.23	1.1980702	1	100.0	30
02/07/11	10:30	16.2	16.9	16.2	68	10.3	9.7	ENE	4.83	16.1	ENE	16.1	15.8	15.7	766.3	0.00	0.0	0.044	0.000	19.4	76	15.1	19.9	14.81	1.1966703	1	100.0	30
02/07/11	11:00	16.4	17.1	16.2	72	11.3	11.3	ENE	5.63	17.7	E	16.2	16.2	15.9	766.3	0.00	0.0	0.041	0.000	19.6	76	15.3	20.1	14.80	1.1958700	1	100.0	30
02/07/11	11:30	17.1	17.1	16.2	71	11.8	11.3	ENE	5.63	17.7	ENE	16.9	16.9	16.8	766.3	0.00	0.0	0.027	0.000	19.8	76	15.4	20.3	14.80	1.1949702	1	100.0	30
02/07/11	12:00	16.7	17.3	16.4	67	10.6	11.3	ENE	5.63	19.3	E	16.6	16.4	16.2	766.2	0.00	0.0	0.034	0.000	20.2	75	15.6	20.7	14.45	1.1929702	1	100.0	30
02/07/11	12:30	16.4	17.2	16.2	66	10.0	11.3	ENE	5.63	19.3	ENE	16.2	16.0	15.8	766.1	0.00	0.0	0.041	0.000	20.2	74	15.4	20.7	14.25	1.1930700	1	100.0	30
02/07/11	13:00	17.2	17.6	16.4	63	10.1	12.9	ENE	6.44	19.3	ENE	16.7	16.7	16.2	766.0	0.00	0.0	0.024	0.000	20.0	75	15.4	20.5	14.45	1.1934703	1	100.0	30
02/07/11	13:30	16.2	17.2	16.2	64	9.3	11.3	ENE	5.63	20.9	ENE	15.8	15.7	15.3	765.8	0.00	0.0	0.045	0.000	20.0	75	15.4	20.5	14.45	1.1932681	1	99.6	30
02/07/11	14:00	16.3	17.2	16.1	65	9.7	12.9	ENE	6.44	20.9	ENE	15.6	15.8	15.2	765.7	0.00	0.0	0.043	0.000	19.8	75	15.2	20.2	14.45	1.1942701	1	100.0	30
02/07/11	14:30	17.2	17.4	16.2	63	10.1	12.9	ENE	6.44	19.3	E	16.7	16.8	16.3	765.5	0.00	0.0	0.023	0.000	19.7	76	15.4	20.2	14.80	1.1939702	1	100.0	30
02/07/11	15:00	16.9	17.2	16.7	63	9.8	11.3	ENE	5.63	20.9	ENE	16.8	16.4	16.3	765.4	0.00	0.0	0.030	0.000	20.3	76	15.9	20.8	14.78	1.1908702	1	100.0	30
02/07/11	15:30	16.5	17.2	16.5	63	9.4	9.7	E	4.83	17.7	E	16.4	16.0	15.9	765.3	0.00	0.0	0.038	0.000	20.6	75	16.0	21.2	14.45	1.1890702	1	100.0	30
02/07/11	16:00	16.6	16.8	16.3	65	10.0	9.7	ESE	4.83	14.5	E	16.6	16.2	16.2	765.1	0.00	0.0	0.036	0.000	20.9	76	16.6	21.4	14.76	1.1867702	1	100.0	30
02/07/11	16:30	16.0	17.1	16.0	68	10.1	9.7	ESE	4.83	17.7	SE	15.9	15.6	15.5	765.1	0.00	0.0	0.049	0.000	21.0	75	16.4	21.4	14.45	1.1867702	1	100.0	30
02/07/11	17:00	16.2	16.6	16.1	67	10.1	9.7	ESE	4.83	17.7	SE	16.1	15.8	15.7	765.0	0.00	0.0	0.044	0.000	20.4	76	16.1	21.1	14.77	1.1892701	1	100.0	30
02/07/11	17:30	16.3	16.7	16.3	65	9.7	11.3	ESE	5.63	17.7	SE	16.1	15.9	15.6	764.9	0.00	0.0	0.042	0.000	20.8	76	16.4	21.3	14.76	1.1869701	1	100.0	30
02/07/11	18:00	15.9	16.4	15.9	65	9.4	9.7	ESE	4.83	14.5	SE	15.8	15.5	15.3	764.8	0.00	0.0	0.050	0.000	20.4	75	15.9	21.0	14.45	1.1891701	1	100.0	30
02/07/11	18:30	15.5	16.1	15.5	66	9.2	9.7	E	4.83	17.7	ESE	15.3	15.1	14.8	764.7	0.00	0.0	0.059	0.000	19.7	75	15.2	20.2	14.45	1.1929702	1	100.0	30
02/07/11	19:00	15.7	15.7	15.3	65	9.2	9.7	E	4.83	14.5	ESE	15.6	15.2	15.1	764.7	0.00	0.0	0.054	0.000	18.6	76	14.2	18.8	14.84	1.1988701	1	100.0	30
02/07/11	19:30	15.4	15.7	15.4	68	9.6	8.0	E	4.02	12.9	E	15.4	15.1	15.1	764.7	0.00	0.0	0.060	0.000	18.2	76	13.9	18.3	14.86	1.2009702	1	100.0	30
02/07/11	20:00	15.1	15.4	15.1	68	9.2	6.4	E	3.22	12.9	ESE	15.1	14.6	14.6	764.8	0.00	0.0	0.068	0.000	17.3	76	13.0	17.3	14.89	1.2058703	1	100.0	30
02/07/11	20:30	14.8	15.1	14.8	69	9.1	6.4	ESE	3.22	11.3	ESE	14.8	14.3	14.3	764.8	0.00	0.0	0.074	0.000	15.6	76	11.4	15.4	14.95	1.2145701	1	100.0	30
02/07/11	21:00	14.5	14.8	14.5	71	9.3	6.4	ESE	3.22	11.3	ESE	14.5	14.1	14.1	764.8	0.00	0.0	0.080	0.000	14.2	77	10.2	13.9	15.40	1.2220703	1	100.0	30
02/07/11	21:30	14.2	14.5	14.2	71	9.0	4.8	ESE	2.41	9.7	ESE	14.2	13.8	13.8	764.9	0.00	0.0	0.086	0.000	13.2	77	9.3	12.9	15.43	1.2270701	1	100.0	30
02/07/11	22:00	11.9	14.2	11.9	80	8.6	1.6	SE	0.80	8.0	SE	11.9	11.8	11.8	764.9	0.00	0.0	0.133	0.000	11.9	77	8.0	11.7	15.45	1.2336703	1	100.0	30
02/07/11	22:30	10.3	11.9	10.3	87	8.2	1.6	SE	0.80	6.4	SE	10.3	10.3	10.3	764.9	0.00	0.0	0.168	0.000	10.4	77	6.5	10.3	15.45	1.2417701	1	100.0	30
02/07/11	23:00	9.7	10.3	9.7	90	8.1	1.6	SE	0.80	6.4	SE	9.7	9.8	9.8	764.8	0.00	0.0	0.181	0.000	9.4	78	5.8	9.3	15.73	1.2463701	1	100.0	30
02/07/11	23:30	8.9	9.7	8.9	91	7.6	3.2	SE	1.61	6.4	SE	8.9	9.1	9.1	764.7	0.00	0.0	0.196	0.000	8.7	78	5.0	8.6	15.70	1.2501702	1	100.0	30
03/07/11	00:00	8.7	8.9	8.7	92	7.5	3.2	SE	1.61	6.4	SE	8.7	8.9	8.9	764.7	0.00	0.0	0.200	0.000	8.2	78	4.6	8.0	15.68	1.2527702	1	100.0	30
03/07/11	0:30	8.2	8.7	8.1	93	7.1	3.2	S	1.61	6.4	SSE	8.2	8.3	8.3	764.7	0.00	0.0	0.212	0.000	7.8	79	4.4	7.7	16.05	1.2545702	1	100.0	30
03/07/11	1:00	8.3	8.6	8.2	93	7.3	3.2	S	1.61	4.8	S	8.3	8.5	8.5	764.5	0.00	0.0	0.208	0.000	7.4	79	4.0	7.3	16.05	1.2562702	1	100.0	30
03/07/11	1:30	8.1	8.3	8.1	94	7.2	3.2	S	1.61	4.8	S	8.1	8.3	8.3	764.6	0.00	0.0	0.213	0.000	7.1	79	3.7	7.0	16.06	1.2578702	1	100.0	30
03/07/11	2:00	7.7	8.2	7.7	94	6.8	3.2	S	1.61	4.8	S	7.7	7.9	7.9	764.5	0.00	0.0	0.221	0.000	6.9	79	3.5	6.8	16.07	1.2588702	1	100.0	30
03/07/11	2:30	7.7	7.8	7.6	94	6.8	3.2	S	1.61	6.4	S	7.7	7.8	7.8	764.3	0.00	0.0	0.222	0.000	6.7	79	3.3	6.6	16.09	1.2597703	1	100.0	30
03/07/11	3:00	7.8	7.8	7.5	95	7.0	3.2	S	1.61	4.8	S	7.8	7.9	7.9	764.1	0.00	0.0	0.220	0.000	6.6	79	3.2	6.4	16.10	1.2598701	1	100.0	30
03/07/11	3:30	7.3	7.8	7.3	94	6.4	3.2	S	1.61	4.8	S	7.3	7.4	7.4	764.0	0.00	0.0	0.230	0.000	6.5	79	3.1	6.3	16.10	1.2599680	1	99.4	30
03/07/11	4:00	6.9	7.3	6.9	94	6.0	3.2	S	1.61	4.8	S	6.9	7.1	7.1	763.9	0.00	0.0	0.237	0.000	6.2	79	2.8	6.1	16.12	1.2612702	1	100.0	30
03/07/11	4:30	7.2	7.2	6.9	95	6.5	1.6	S	0.80	3.2	S	7.2	7.3	7.3	763.7	0.00	0.0	0.231	0.000	6.1	79	2.7	5.9	16.13	1.2616703	1	100.0	30
03/07/11	5:00	7.0	7.3	7.0	95	6.3	3.2	S	1.61	4.8	S	7.0	7.1	7.1	763.7	0.00	0.0	0.236	0.000	6.0	79	2.6	5.8	16.14	1.2620701	1	100.0	30
03/07/11	5:30	7.4	7.4	7.0	95	6.6	1.6	S	0.80	3.2	S	7.4	7.5	7.5	763.7	0.00	0.0	0.228	0.000	6.0	79	2.6	5.8	16.14	1.2620702	1	100.0	30
03/07/11	6:00	8.6	8.6	7.4	96	8.0	1.6	S	0.80	4.8	S	8.6	8.8	8.8	763.9	0.00	0.0	0.204	0.000	6.4	80	3.2	6.3	16.51	1.260370			

03/07/11	12:30	18.1	18.4	18.0	73	13.1	12.9	ESE	6.44	17.7	ESE	17.7	18.1	17.7	764.0	0.00	0.0	0.006	0.000	21.5	73	16.5	21.8	13.92	1.1827	703	1	100.0	30
03/07/11	13:00	17.8	18.2	17.8	74	13.1	12.9	ESE	6.44	17.7	ESE	17.4	17.9	17.4	764.0	0.00	0.0	0.010	0.000	21.5	73	16.5	21.8	13.92	1.1827	680	1	99.4	30
03/07/11	13:30	18.2	18.3	17.9	72	13.1	12.9	ESE	6.44	19.3	ESE	17.9	18.3	17.9	764.1	0.00	0.0	0.002	0.000	21.4	73	16.3	21.7	13.93	1.1835	701	1	100.0	30
03/07/11	14:00	18.1	18.2	18.0	74	13.3	12.9	ESE	6.44	19.3	ESE	17.7	18.1	17.7	764.1	0.00	0.0	0.006	0.000	21.5	74	16.7	21.9	14.22	1.1826	703	1	100.0	30
03/07/11	14:30	18.2	18.3	17.9	75	13.7	12.9	ESE	6.44	19.3	ESE	17.8	18.3	17.9	764.1	0.00	0.0	0.003	0.000	21.6	74	16.7	21.9	14.22	1.1823	702	1	100.0	30
03/07/11	15:00	18.1	18.3	17.9	76	13.8	12.9	ESE	6.44	17.7	ESE	17.7	18.2	17.8	764.0	0.00	0.0	0.006	0.000	21.8	74	16.9	22.2	14.20	1.1810	683	1	99.9	30
03/07/11	15:30	18.4	18.4	17.9	73	13.5	12.9	ESE	6.44	19.3	SE	18.1	18.6	18.2	764.1	0.00	0.0	0.000	0.002	21.8	74	17.0	22.3	14.20	1.1808	701	1	100.0	30
03/07/11	16:00	18.1	18.4	17.8	76	13.8	12.9	ESE	6.44	19.3	ESE	17.7	18.2	17.8	764.0	0.00	0.0	0.006	0.000	21.8	74	17.0	22.3	14.20	1.1808	703	1	100.0	30
03/07/11	16:30	18.0	18.1	17.9	75	13.5	12.9	ESE	6.44	17.7	SE	17.6	18.1	17.7	764.0	0.00	0.0	0.007	0.000	21.9	75	17.3	22.4	14.42	1.1798	702	1	100.0	30
03/07/11	17:00	17.8	18.0	17.7	72	12.7	11.3	SE	5.63	17.7	SE	17.8	17.7	17.7	763.9	0.00	0.0	0.012	0.000	21.9	75	17.3	22.4	14.42	1.1797	701	1	100.0	30
03/07/11	17:30	17.6	17.9	17.6	74	12.9	11.3	SE	5.63	17.7	SE	17.6	17.6	17.6	763.9	0.00	0.0	0.015	0.000	21.8	75	17.1	22.2	14.43	1.1805	702	1	100.0	30
03/07/11	18:00	17.5	17.7	17.5	70	12.0	9.7	SE	4.83	14.5	ESE	17.5	17.4	17.4	763.9	0.00	0.0	0.017	0.000	21.5	75	16.9	21.9	14.44	1.1820	702	1	100.0	30
03/07/11	18:30	17.2	17.6	17.2	74	12.5	9.7	SE	4.83	14.5	SE	17.2	17.2	17.2	763.9	0.00	0.0	0.023	0.000	21.0	75	16.4	21.4	14.45	1.1847	703	1	100.0	30
03/07/11	19:00	17.1	17.3	17.1	73	12.2	8.0	SE	4.02	14.5	SE	17.1	17.0	17.0	763.8	0.00	0.0	0.025	0.000	20.4	75	15.9	21.0	14.45	1.1876	702	1	100.0	30
03/07/11	19:30	16.8	17.2	16.8	76	12.5	8.0	SE	4.02	11.3	SE	16.8	16.7	16.7	763.9	0.00	0.0	0.032	0.000	19.8	75	15.2	20.2	14.45	1.1913	702	1	100.0	30
03/07/11	20:00	16.6	16.8	16.6	76	12.3	6.4	SE	3.22	9.7	ESE	16.6	16.5	16.5	763.9	0.00	0.0	0.037	0.000	18.8	76	14.5	19.2	14.83	1.1961	701	1	100.0	30
03/07/11	20:30	16.3	16.6	16.3	75	11.8	4.8	SE	2.41	8.0	SSE	16.3	16.1	16.1	764.1	0.00	0.0	0.043	0.000	17.1	75	12.6	17.1	14.54	1.2058	703	1	100.0	30
03/07/11	21:00	15.9	16.3	15.9	78	12.1	4.8	ESE	2.41	9.7	E	15.9	15.8	15.8	764.2	0.00	0.0	0.051	0.000	15.6	76	11.4	15.4	14.95	1.2136	701	1	100.0	30
03/07/11	21:30	15.7	15.9	15.7	79	12.0	4.8	ESE	2.41	9.7	ESE	15.7	15.6	15.6	764.3	0.00	0.0	0.056	0.000	14.7	77	10.7	14.5	15.38	1.2181	702	1	100.0	30
03/07/11	22:00	15.6	15.8	15.6	81	12.4	6.4	ESE	3.22	11.3	ESE	15.6	15.6	15.6	764.5	0.00	0.0	0.057	0.000	14.3	77	10.3	14.1	15.40	1.2208	703	1	100.0	30
03/07/11	22:30	15.4	15.6	15.4	83	12.5	6.4	ESE	3.22	11.3	ESE	15.4	15.4	15.4	764.3	0.00	0.0	0.061	0.000	13.9	77	10.0	13.7	15.41	1.2223	701	1	100.0	30
03/07/11	23:00	15.4	15.5	15.4	78	11.6	8.0	ESE	4.02	11.3	ESE	15.3	15.3	15.2	764.3	0.00	0.0	0.061	0.000	13.8	77	9.9	13.6	15.41	1.2228	702	1	100.0	30
03/07/11	23:30	15.3	15.4	15.3	78	11.5	8.0	ESE	4.02	11.3	ESE	15.3	15.2	15.1	764.2	0.00	0.0	0.063	0.000	13.8	77	9.8	13.6	15.41	1.2230	702	1	100.0	30
04/07/11	00:00	15.1	15.4	15.1	79	11.5	6.4	ESE	3.22	9.7	ESE	15.1	15.0	15.0	764.3	0.00	0.0	0.067	0.000	13.4	77	9.5	13.2	15.43	1.2248	702	1	100.0	30
04/07/11	0:30	14.4	15.2	13.8	77	10.5	3.2	SE	1.61	11.3	ESE	14.4	14.2	14.2	764.3	0.00	0.0	0.081	0.000	12.6	77	8.7	12.4	15.45	1.2292	702	1	100.0	30
04/07/11	1:00	13.3	15.1	13.3	80	10.0	3.2	SE	1.61	11.3	SE	13.3	13.2	13.2	764.4	0.00	0.0	0.104	0.000	12.2	77	8.3	12.0	15.45	1.2313	701	1	100.0	30
04/07/11	1:30	11.5	13.3	11.5	87	9.4	1.6	SSE	0.80	6.4	SE	11.5	11.5	11.5	764.5	0.00	0.0	0.142	0.000	11.0	77	7.1	10.8	15.45	1.2379	701	1	100.0	30
04/07/11	2:00	10.1	11.4	10.1	91	8.7	3.2	SSE	1.61	6.4	SSE	10.1	10.2	10.2	764.3	0.00	0.0	0.172	0.000	9.9	77	6.0	9.8	15.45	1.2433	703	1	100.0	30
04/07/11	2:30	9.6	10.1	9.6	93	8.5	3.2	SSE	1.61	6.4	SSE	9.6	9.8	9.8	764.3	0.00	0.0	0.182	0.000	9.2	78	5.5	9.1	15.72	1.2468	701	1	100.0	30
04/07/11	3:00	9.1	9.6	9.1	94	8.2	3.2	SSE	1.61	6.4	SSE	9.1	9.3	9.3	764.1	0.00	0.0	0.192	0.000	8.7	78	5.0	8.6	15.70	1.2492	702	1	100.0	30
04/07/11	3:30	8.9	9.3	8.9	94	8.0	3.2	SSE	1.61	6.4	SSE	8.9	9.2	9.2	764.0	0.00	0.0	0.196	0.000	8.3	78	4.7	8.2	15.69	1.2510	702	1	100.0	30
04/07/11	4:00	8.8	8.9	8.7	94	7.9	3.2	SSW	1.61	6.4	SSE	8.8	8.9	8.9	763.8	0.00	0.0	0.199	0.000	7.9	78	4.3	7.8	15.68	1.2524	702	1	100.0	30
04/07/11	4:30	8.3	8.8	8.3	94	7.4	3.2	SW	1.61	4.8	SSW	8.3	8.5	8.5	764.0	0.00	0.0	0.208	0.000	7.7	79	4.3	7.6	16.05	1.2539	701	1	100.0	30
04/07/11	5:00	8.2	8.5	8.1	95	7.4	3.2	SW	1.61	4.8	SW	8.2	8.3	8.3	764.0	0.00	0.0	0.212	0.000	7.4	79	4.0	7.3	16.05	1.2551	700	1	100.0	30
04/07/11	5:30	8.8	8.8	8.2	95	8.0	3.2	SW	1.61	4.8	SW	8.8	9.0	9.0	764.0	0.00	0.0	0.199	0.000	7.4	79	4.0	7.3	16.05	1.2554	703	1	100.0	30
04/07/11	6:00	10.4	10.4	8.8	95	9.6	1.6	SW	0.80	3.2	SW	10.4	10.6	10.6	764.0	0.00	0.0	0.166	0.000	7.8	79	4.4	7.7	16.05	1.2534	702	1	100.0	30
04/07/11	6:30	12.2	12.2	10.4	95	11.4	1.6	SW	0.80	3.2	SW	12.2	12.3	12.3	764.2	0.00	0.0	0.128	0.000	9.0	80	5.7	8.9	16.39	1.2472	702	1	100.0	30
04/07/11	7:00	15.9	15.9	12.2	80	12.4	3.2	ESE	1.61	9.7	ESE	15.9	15.9	15.9	764.2	0.00	0.0	0.051	0.000	11.3	82	8.4	11.2	17.11	1.2348	701	1	100.0	30
04/07/11	7:30	17.0	17.0	15.9	72	11.9	4.8	ESE	2.41	9.7	ESE	17.0	16.8	16.8	764.4	0.00	0.0	0.028	0.000	13.8	81	10.6	13.7	16.69	1.2222	701	1	100.0	30
04/07/11	8:00	17.2	17.3	17.0	72	12.1	6.4	ESE	3.22	11.3	ESE	17.2	17.1	17.1	764.4	0.00	0.0	0.023	0.000	15.8	80	12.3	15.7	16.37	1.2122	702	1	100.0	30
04/07/11	8:30	17.6	17.6	17.2	70	12.0	8.0	ESE	4.02	11.3	ESE	17.6	17.4	17.4	764.5	0.00	0.0	0.016	0.000	17.3	79	13.6	17.4	16.17	1.2045	701	1	100.0	30
04/07/11	9:00	17.4	17.5	17.3	73	12.5	8.0	E	4.02	11.3	E	17.4	17.3	17.3	764.4	0.00	0.0	0.020	0.000	18.3	78	14.4	18.6	15.75	1.1990	703	1	100.0	30
04/07/11	9:30	17.7	17.8	17.2	74	13.0	8.0	E	4.02	12.9	ESE	17.7	17.7	17.7	764.4	0.00	0.0	0.014	0.000	19.2	77	15.0	19.6	15.23	1.1948	702	1	100.0	30
04/07/11	10:00	17.6	17.7	17.3	74	12.9	9.7	ESE	4.83	17.7	SE	17.6	17.6	17.6	764.4	0.00	0.0	0.016	0.000	19.8	76	15.4	20.3	14.80	1.1919	701	1	100.0	30
04/07/11	10:30	17.7	17.8	17.5	72	12.6	11.3	ESE	5.63	17.7	SE	17.7	17.6	17.6	764.5	0.00	0.0	0.014	0.000	20.4	75	15.9	21.0	14.45	1.1886	702	1	100.0	30
04/07/11	11:00	18.0	18.0	17.7	72	12.9	11.3	ESE	5.63	17.7	ESE	18.0	18.0	18.0	764.4	0.00	0.0	0.007	0.000	21.0	74	16.2	21.3	14.25	1.1858	703	1	100.0	30
04/07/11	11:30	18.1	18.2	17.7	71	12.8	12.9	SE	6.44	19.3	SE	17.7	18.1	17.7	764.3														

04/07/11	18:30	16.9	17.2	16.8	74	12.2	9.7	SE	4.83	17.7	SE	16.9	16.8	16.8	763.4	0.00	0.0	0.030	0.000	20.8	75	16.2	21.3	14.45	1.1849	700	1	100.0	30
04/07/11	19:00	16.6	16.9	16.6	73	11.7	9.7	SE	4.83	14.5	SE	16.6	16.4	16.4	763.4	0.00	0.0	0.036	0.000	20.0	75	15.4	20.5	14.45	1.1893	701	1	100.0	30
04/07/11	19:30	16.3	16.6	16.2	76	12.0	9.7	SE	4.83	14.5	SE	16.2	16.2	16.1	763.5	0.00	0.0	0.043	0.000	18.6	75	14.0	18.8	14.45	1.1971	703	1	100.0	30
04/07/11	20:00	16.2	16.3	16.2	77	12.1	8.0	SSE	4.02	12.9	SSE	16.2	16.1	16.1	763.4	0.00	0.0	0.045	0.000	17.9	76	13.6	18.0	14.87	1.2004	701	1	100.0	30
04/07/11	20:30	15.7	16.2	15.7	79	12.0	6.4	SSE	3.22	11.3	SSE	15.7	15.6	15.6	763.5	0.00	0.0	0.056	0.000	16.5	75	12.1	16.4	14.58	1.2081	701	1	100.0	30
04/07/11	21:00	15.2	15.7	15.2	80	11.8	4.8	S	2.41	9.7	S	15.2	15.1	15.1	763.7	0.00	0.0	0.065	0.000	14.9	76	10.7	14.7	14.99	1.2162	702	1	100.0	30
04/07/11	21:30	13.6	15.2	13.6	86	11.3	0.0	S	0.00	4.8	S	13.6	13.5	13.5	763.8	0.00	0.0	0.100	0.000	13.7	76	9.5	13.4	15.09	1.2230	702	1	100.0	30
04/07/11	22:00	12.5	13.6	12.5	90	10.9	0.0	---	0.00	0.0	---	12.5	12.6	12.6	763.7	0.00	0.0	0.122	0.000	12.4	76	8.3	12.1	15.14	1.2296	700	1	100.0	30
04/07/11	22:30	12.5	12.6	12.0	92	11.2	0.0	---	0.00	0.0	---	12.5	12.6	12.6	763.8	0.00	0.0	0.122	0.000	11.4	77	7.5	11.2	15.45	1.2346	700	1	100.0	30
04/07/11	23:00	12.6	12.7	12.5	89	10.8	0.0	SSE	0.00	6.4	SSE	12.6	12.7	12.7	763.5	0.00	0.0	0.119	0.000	10.8	77	7.0	10.7	15.45	1.2372	700	1	100.0	30
04/07/11	23:30	11.6	12.7	11.6	90	10.0	0.0	SSE	0.00	3.2	SSE	11.6	11.7	11.7	763.5	0.00	0.0	0.140	0.000	10.2	77	6.3	10.1	15.45	1.2406	702	1	100.0	30
05/07/11	00:00	11.2	11.6	11.2	92	10.0	1.6	SSE	0.80	3.2	SSE	11.2	11.3	11.3	763.5	0.00	0.0	0.148	0.000	9.8	78	6.2	9.8	15.74	1.2421	703	1	100.0	30
05/07/11	0:30	14.6	14.6	11.2	85	12.1	4.8	ESE	2.41	11.3	ESE	14.6	14.5	14.5	763.2	0.00	0.0	0.079	0.000	9.9	79	6.4	9.8	16.05	1.2412	702	1	100.0	30
05/07/11	1:00	15.1	15.1	14.6	82	12.0	8.0	E	4.02	11.3	ESE	14.9	15.0	14.9	763.0	0.00	0.0	0.068	0.000	11.5	79	8.0	11.3	16.05	1.2326	700	1	100.0	30
05/07/11	1:30	15.1	15.2	15.1	84	12.4	9.7	E	4.83	12.9	ESE	14.7	15.1	14.7	763.1	0.00	0.0	0.068	0.000	12.4	78	8.7	12.2	15.75	1.2282	700	1	100.0	30
05/07/11	2:00	15.0	15.2	15.0	84	12.3	11.3	ESE	5.63	14.5	ESE	14.4	15.0	14.4	762.9	0.00	0.0	0.069	0.000	12.9	78	9.1	12.7	15.75	1.2253	702	1	100.0	30
05/07/11	2:30	15.0	15.1	15.0	85	12.5	11.3	ESE	5.63	17.7	E	14.4	15.0	14.4	762.8	0.00	0.0	0.069	0.000	13.2	78	9.5	13.0	15.73	1.2234	701	1	100.0	30
05/07/11	3:00	15.1	15.2	15.0	86	12.8	14.5	ESE	7.24	20.9	ESE	13.7	15.2	13.8	762.6	0.00	0.0	0.067	0.000	13.4	78	9.7	13.2	15.73	1.2219	702	1	100.0	30
05/07/11	3:30	14.9	15.2	14.9	88	13.0	14.5	ESE	7.24	20.9	E	13.6	15.0	13.6	762.7	0.00	0.0	0.071	0.000	13.6	78	9.8	13.4	15.72	1.2212	702	1	100.0	30
05/07/11	4:00	15.0	15.0	14.9	89	13.2	14.5	ESE	7.24	19.3	E	13.6	15.1	13.7	762.5	0.00	0.0	0.069	0.000	13.7	78	9.9	13.4	15.72	1.2206	702	1	100.0	30
05/07/11	4:30	15.1	15.1	14.9	90	13.4	12.9	ESE	6.44	19.3	SE	14.1	15.2	14.2	762.4	0.00	0.0	0.068	0.000	13.7	78	9.9	13.4	15.72	1.2204	679	1	99.3	30
05/07/11	5:00	15.2	15.2	15.1	91	13.7	14.5	ESE	7.24	20.9	ESE	13.8	15.3	14.0	762.3	0.00	0.0	0.066	0.000	13.8	78	10.1	13.6	15.71	1.2194	703	1	100.0	30
05/07/11	5:30	15.4	15.4	15.2	91	13.9	17.7	ESE	8.85	22.5	ESE	13.3	15.6	13.5	762.1	0.00	0.0	0.061	0.000	14.2	78	10.4	14.0	15.70	1.2174	700	1	100.0	30
05/07/11	6:00	15.7	15.7	15.4	91	14.3	19.3	ESE	9.66	24.1	ESE	13.4	15.9	13.6	762.1	0.00	0.0	0.054	0.000	14.4	78	10.7	14.3	15.69	1.2158	702	1	100.0	30
05/07/11	6:30	16.0	16.1	15.7	91	14.5	17.7	ESE	8.85	24.1	ESE	14.1	16.2	14.3	762.0	0.00	0.0	0.049	0.000	14.9	78	11.1	14.7	15.67	1.2134	702	1	100.0	30
05/07/11	7:00	16.8	16.8	16.0	89	15.0	17.7	ESE	8.85	24.1	ESE	14.9	17.1	15.2	762.1	0.00	0.0	0.032	0.000	15.6	79	12.0	15.5	16.05	1.2095	701	1	100.0	30
05/07/11	7:30	17.0	17.1	16.7	87	14.8	17.7	ESE	8.85	24.1	SE	15.2	17.3	15.4	761.8	0.00	0.0	0.028	0.000	16.5	79	12.8	16.6	16.12	1.2044	702	1	100.0	30
05/07/11	8:00	17.3	17.3	17.0	87	15.1	16.1	SE	8.05	22.5	SE	15.9	17.6	16.2	761.8	0.00	0.0	0.022	0.000	17.3	79	13.6	17.4	16.17	1.2002	702	1	100.0	30
05/07/11	8:30	17.5	17.6	17.3	84	14.8	16.1	SE	8.05	22.5	ESE	16.2	17.8	16.4	761.5	0.00	0.0	0.017	0.000	18.0	78	14.1	18.2	15.74	1.1962	703	1	100.0	30
05/07/11	9:00	17.7	17.8	17.5	84	14.9	16.1	ESE	8.05	22.5	SE	16.3	18.0	16.7	761.3	0.00	0.0	0.014	0.000	18.6	78	14.7	18.9	15.71	1.1926	701	1	100.0	30
05/07/11	9:30	18.1	18.1	17.7	83	15.2	16.1	ESE	8.05	22.5	SE	16.8	18.5	17.2	761.2	0.00	0.0	0.005	0.000	19.3	78	15.4	19.8	15.61	1.1886	702	1	100.0	30
05/07/11	10:00	17.8	18.1	17.7	83	14.9	16.1	ESE	8.05	22.5	ESE	16.4	18.1	16.8	761.0	0.00	0.0	0.012	0.000	20.0	77	15.8	20.6	15.11	1.1849	661	1	96.6	30
05/07/11	10:30	18.1	18.1	17.7	84	15.3	17.7	ESE	8.85	24.1	ESE	16.4	18.4	16.8	760.9	0.00	0.0	0.006	0.000	20.3	76	16.0	20.9	14.78	1.1832	702	1	100.0	30
05/07/11	11:00	17.8	18.2	17.8	84	15.0	17.7	ESE	8.85	24.1	ESE	16.1	18.1	16.4	760.7	0.00	0.0	0.012	0.000	20.8	75	16.2	21.3	14.45	1.1805	702	1	100.0	30
05/07/11	11:30	18.1	18.2	17.7	84	15.3	17.7	ESE	8.85	24.1	ESE	16.4	18.4	16.8	760.5	0.00	0.0	0.006	0.000	20.8	75	16.2	21.3	14.45	1.1803	702	1	100.0	30
05/07/11	12:00	18.2	18.3	17.8	83	15.2	19.3	ESE	9.66	25.7	ESE	16.2	18.6	16.6	760.3	0.00	0.0	0.003	0.000	20.9	74	16.1	21.3	14.25	1.1797	703	1	100.0	30
05/07/11	12:30	18.3	18.4	18.2	84	15.6	20.9	ESE	10.46	29.0	ESE	16.1	18.8	16.6	760.0	0.00	0.0	0.000	0.000	21.0	74	16.2	21.3	14.25	1.1789	702	1	100.0	30
05/07/11	13:00	18.3	18.4	18.0	83	15.3	20.9	ESE	10.46	25.7	ESE	16.1	18.7	16.4	759.7	0.00	0.0	0.001	0.000	21.0	74	16.2	21.3	14.25	1.1785	701	1	100.0	30
05/07/11	13:30	18.1	18.6	18.1	84	15.3	20.9	ESE	10.46	30.6	ESE	15.8	18.4	16.2	759.7	0.00	0.0	0.006	0.000	21.0	75	16.4	21.4	14.45	1.1781	702	1	100.0	30
05/07/11	14:00	18.1	18.4	17.9	85	15.5	22.5	ESE	11.27	30.6	ESE	15.6	18.4	15.9	759.3	0.00	0.0	0.006	0.000	20.9	75	16.3	21.3	14.45	1.1777	702	1	100.0	30
05/07/11	14:30	18.1	18.2	18.1	85	15.5	24.1	ESE	12.07	32.2	ESE	15.4	18.4	15.8	759.0	0.00	0.0	0.006	0.000	20.7	75	16.1	21.2	14.45	1.1785	701	1	100.0	30
05/07/11	15:00	18.3	18.3	17.7	85	15.8	22.5	ESE	11.27	30.6	ESE	15.9	18.8	16.3	759.0	0.00	0.0	0.000	0.000	20.8	75	16.2	21.3	14.45	1.1779	700	1	100.0	30
05/07/11	15:30	18.4	18.5	17.8	85	15.9	19.3	ESE	9.66	25.7	ESE	16.5	18.9	16.9	758.8	0.00	0.0	0.000	0.002	20.9	75	16.3	21.3	14.45	1.1769	702	1	100.0	30
05/07/11	16:00	18.1	18.6	18.1	85	15.5	19.3	ESE	9.66	25.7	ESE	16.1	18.5	16.5	758.4	0.00	0.0	0.005	0.000	21.4	75	16.8	21.8	14.44	1.1740	701	1	100.0	30
05/07/11	16:30	17.8	18.4	17.8	85	15.3	20.9	ESE	10.46	29.0	ESE	15.5	18.2	15.8	758.3	0.00	0.0	0.010	0.000	21.0	75	16.4	21.4	14.45	1.1758	678	1	99.1	30
05/07/11	17:00	17.8	18.0	17.7	86	15.5	20.9	ESE	10.46	29.0	ESE	15.5	18.2	15.9	758.1	0.00	0.0	0.010	0.000	20.1	75	15.5	20.6	14.45	1.1806	702	1	100.0	30
05/07/11	17:30	17.9	18.2	17.																									

06/07/11	0:30	16.1	16.2	16.1	91	14.6	1.6	WSW	0.80	8.0	S	16.1	16.3	16.3	756.2	0.00	0.0	0.046	0.000	15.6	78	11.7	15.4	15.65	1.2005 701	1	100.0	30
06/07/11	1:00	16.3	16.3	16.1	89	14.5	6.4	S	3.22	12.9	S	16.3	16.5	16.5	755.8	0.20	0.0	0.043	0.000	15.4	78	11.6	15.3	15.65	1.2004 702	1	100.0	30
06/07/11	1:30	16.6	16.7	16.3	90	15.0	8.0	S	4.02	16.1	S	16.6	16.9	16.9	755.5	0.00	0.0	0.036	0.000	15.6	78	11.7	15.4	15.65	1.1994 701	1	100.0	30
06/07/11	2:00	16.4	16.7	16.4	90	14.8	8.0	S	4.02	16.1	S	16.4	16.7	16.7	755.2	0.00	0.0	0.039	0.000	15.6	78	11.8	15.5	15.65	1.1987 702	1	100.0	30
06/07/11	2:30	16.1	16.4	16.1	91	14.6	6.4	S	3.22	14.5	S	16.1	16.3	16.3	754.9	0.00	0.0	0.046	0.000	15.6	78	11.7	15.4	15.65	1.1985 703	1	100.0	30
06/07/11	3:00	15.9	16.1	15.9	92	14.6	6.4	S	3.22	12.9	S	15.9	16.2	16.2	754.7	0.00	0.0	0.050	0.000	15.4	78	11.6	15.3	15.65	1.1987 702	1	100.0	30
06/07/11	3:30	15.3	15.9	15.3	93	14.2	9.7	S	4.83	24.1	SSE	15.1	15.5	15.2	754.3	1.00	7.0	0.063	0.000	15.4	78	11.6	15.3	15.66	1.1984 701	1	100.0	30
06/07/11	4:00	14.7	15.3	14.7	95	13.9	6.4	SW	3.22	17.7	SSW	14.7	14.9	14.9	754.1	0.40	4.6	0.075	0.000	14.9	78	11.1	14.8	15.67	1.2003 703	1	100.0	30
06/07/11	4:30	14.7	14.7	14.7	95	13.9	4.8	SSW	2.41	14.5	SSE	14.7	14.9	14.9	754.1	0.60	2.4	0.075	0.000	14.7	78	10.9	14.6	15.68	1.2015 676	1	98.8	30
06/07/11	5:00	14.6	14.7	14.6	95	13.8	8.0	SW	4.02	17.7	SE	14.4	14.8	14.6	753.9	1.00	9.0	0.078	0.000	14.6	79	11.0	14.4	16.05	1.2018 703	1	100.0	30
06/07/11	5:30	14.6	14.6	14.6	96	14.0	6.4	SW	3.22	16.1	SSW	14.6	14.8	14.8	753.9	0.80	5.0	0.078	0.000	14.4	79	10.8	14.3	16.05	1.2025 701	1	100.0	30
06/07/11	6:00	14.6	14.6	14.6	96	13.9	6.4	WSW	3.22	12.9	WSW	14.6	14.7	14.7	753.9	0.40	1.4	0.079	0.000	14.3	79	10.7	14.2	16.05	1.2030 702	1	100.0	30
06/07/11	6:30	14.7	14.7	14.6	96	14.1	6.4	SW	3.22	17.7	S	14.7	14.9	14.9	753.9	0.00	0.0	0.075	0.000	14.4	79	10.8	14.3	16.05	1.2025 674	1	98.5	30
06/07/11	7:00	14.8	14.9	14.7	96	14.1	8.0	SW	4.02	20.9	SW	14.6	15.0	14.8	753.8	0.00	0.0	0.074	0.000	14.6	79	11.0	14.4	16.05	1.2015 702	1	100.0	30
06/07/11	7:30	14.6	14.9	14.6	94	13.6	8.0	SW	4.02	17.7	SW	14.3	14.7	14.5	753.9	0.00	0.0	0.079	0.000	14.8	80	11.4	14.7	16.35	1.2005 703	1	100.0	30
06/07/11	8:00	15.0	15.2	14.5	92	13.7	9.7	SW	4.83	24.1	SSW	14.7	15.2	14.8	753.9	0.00	0.0	0.069	0.000	15.2	81	12.0	15.2	16.74	1.1980 702	1	100.0	30
06/07/11	8:30	15.5	15.5	14.8	88	13.5	11.3	SW	5.63	30.6	S	15.1	15.6	15.2	754.0	0.00	0.0	0.059	0.000	16.2	81	12.9	16.2	16.79	1.1932 703	1	100.0	30
06/07/11	9:00	15.8	15.9	15.5	85	13.3	9.7	SW	4.83	24.1	WSW	15.7	15.9	15.8	753.8	0.00	0.0	0.052	0.000	17.1	81	13.8	17.3	16.86	1.1878 702	1	100.0	30
06/07/11	9:30	16.3	16.7	15.8	81	13.1	12.9	SW	6.44	32.2	WSW	15.7	16.4	15.7	753.8	0.00	0.0	0.042	0.000	18.2	80	14.7	18.5	16.63	1.1825 702	1	100.0	30
06/07/11	10:00	17.5	17.5	16.3	75	13.0	12.9	SW	6.44	35.4	S	17.1	17.5	17.1	753.6	0.00	0.0	0.017	0.000	18.3	79	14.6	18.7	16.25	1.1816 702	1	100.0	30
06/07/11	10:30	18.3	18.3	17.6	67	12.0	12.9	SW	6.44	30.6	SSW	17.9	18.2	17.8	753.7	0.00	0.0	0.001	0.000	19.7	79	16.0	20.3	16.00	1.1743 703	1	100.0	30
06/07/11	11:00	19.1	19.1	17.7	65	12.4	9.7	SW	4.83	29.0	SW	19.1	19.1	19.1	753.6	0.00	0.0	0.000	0.016	20.0	78	16.0	20.6	15.51	1.1729 702	1	100.0	30
06/07/11	11:30	18.4	19.4	18.4	70	12.9	11.3	SSW	5.63	25.7	SSW	18.4	18.4	18.4	753.5	0.00	0.0	0.000	0.002	21.4	77	17.2	21.9	14.95	1.1656 701	1	100.0	30
06/07/11	12:00	12.6	18.4	12.6	90	11.0	12.9	SSW	6.44	35.4	SSE	11.2	12.7	11.2	753.9	4.60	28.8	0.119	0.000	17.8	73	12.9	17.8	14.03	1.1861 701	1	100.0	30
06/07/11	12:30	15.5	15.5	12.6	92	14.2	9.7	SSW	4.83	20.9	SSW	15.3	15.7	15.4	754.0	0.20	3.0	0.059	0.000	16.3	78	12.5	16.3	15.68	1.1930 701	1	100.0	30
06/07/11	13:00	17.1	17.1	15.5	84	14.3	11.3	SSW	5.63	29.0	SE	16.9	17.3	17.2	753.8	0.00	0.0	0.027	0.000	18.1	78	14.2	18.4	15.74	1.1833 702	1	100.0	30
06/07/11	13:30	18.2	18.2	17.0	78	14.3	12.9	SSW	6.44	32.2	S	17.9	18.5	18.2	753.8	0.00	0.0	0.002	0.000	19.7	78	15.8	20.3	15.55	1.1748 676	1	98.8	30
06/07/11	14:00	18.7	18.7	18.2	71	13.3	14.5	S	7.24	33.8	SSE	17.9	18.8	18.1	753.8	0.00	0.0	0.000	0.007	20.6	78	16.6	21.3	15.42	1.1699 703	1	100.0	30
06/07/11	14:30	18.4	19.2	18.0	69	12.7	16.1	S	8.05	35.4	SSW	17.2	18.4	17.2	753.8	0.00	0.0	0.000	0.002	20.9	77	16.8	21.4	14.97	1.1685 700	1	100.0	30
06/07/11	15:00	19.2	19.8	18.4	65	12.4	17.7	SSW	8.85	38.6	S	17.7	19.1	17.7	753.9	0.00	0.0	0.000	0.017	21.5	78	17.5	22.1	15.34	1.1654 702	1	100.0	30
06/07/11	15:30	19.3	19.3	18.6	64	12.3	19.3	SSW	9.66	45.1	W	17.4	19.2	17.3	754.0	0.00	0.0	0.000	0.020	21.3	77	17.1	21.8	14.95	1.1671 703	1	100.0	30
06/07/11	16:00	19.3	19.4	18.9	56	10.3	16.1	SSW	8.05	38.6	S	18.2	18.8	17.7	754.2	0.00	0.0	0.000	0.021	21.2	77	17.0	21.7	14.95	1.1677 700	1	100.0	30
06/07/11	16:30	19.7	19.9	18.9	61	11.9	14.5	SSW	7.24	38.6	WSW	18.9	19.5	18.8	754.2	0.00	0.0	0.000	0.028	21.5	78	17.5	22.1	15.34	1.1658 703	1	100.0	30
06/07/11	17:00	19.1	19.6	18.6	63	11.8	14.5	SSW	7.24	32.2	SSW	18.3	18.9	18.2	754.2	0.00	0.0	0.000	0.015	21.3	77	17.1	21.8	14.95	1.1673 701	1	100.0	30
06/07/11	17:30	18.6	19.1	18.5	60	10.6	16.1	SSW	8.05	40.2	S	17.4	18.1	16.9	754.1	0.00	0.0	0.000	0.005	20.6	77	16.4	21.3	15.02	1.1707 703	1	100.0	30
06/07/11	18:00	19.3	19.3	18.6	59	11.1	17.7	SSW	8.85	37.0	S	17.8	18.9	17.5	754.2	0.00	0.0	0.000	0.020	21.0	78	17.0	21.6	15.37	1.1685 702	1	100.0	30
06/07/11	18:30	19.2	19.3	19.1	61	11.5	16.1	SSW	8.05	35.4	S	18.1	18.9	17.8	754.3	0.00	0.0	0.000	0.017	21.4	78	17.4	21.9	15.34	1.1666 701	1	100.0	30
06/07/11	19:00	19.0	19.3	18.8	57	10.3	14.5	SSW	7.24	37.0	SSW	18.3	18.5	17.8	754.4	0.00	0.0	0.000	0.014	21.2	77	17.0	21.7	14.95	1.1680 702	1	100.0	30
06/07/11	19:30	18.4	19.1	18.4	59	10.3	11.3	SW	5.63	29.0	SSW	18.4	17.9	17.9	754.6	0.00	0.0	0.000	0.002	20.8	77	16.7	21.4	14.99	1.1703 701	1	100.0	30
06/07/11	20:00	17.2	18.4	17.2	64	10.3	11.3	SSW	5.63	29.0	SSW	17.2	16.8	16.8	754.7	0.00	0.0	0.023	0.000	19.3	77	15.1	19.7	15.21	1.1788 702	1	100.0	30
06/07/11	20:30	16.4	17.2	16.4	64	9.6	8.0	SSW	4.02	20.9	SSE	16.4	16.0	16.0	754.9	0.00	0.0	0.039	0.000	17.0	77	12.9	17.0	15.35	1.1911 676	1	98.8	30
06/07/11	21:00	16.1	16.4	16.1	64	9.2	9.7	SW	4.83	20.9	SW	15.9	15.6	15.4	755.2	0.00	0.0	0.047	0.000	15.6	78	11.7	15.4	15.65	1.1989 701	1	100.0	30
06/07/11	21:30	15.5	16.1	15.5	68	9.6	8.0	SSW	4.02	20.9	S	15.5	15.1	15.1	755.3	0.00	0.0	0.059	0.000	14.6	78	10.8	14.4	15.69	1.2043 702	1	100.0	30
06/07/11	22:00	15.3	15.5	15.3	67	9.2	8.0	SSW	4.02	22.5	SSW	15.3	14.9	14.8	755.4	0.00	0.0	0.063	0.000	13.8	79	10.3	13.7	16.05	1.2081 700	1	100.0	30
06/07/11	22:30	15.1	15.3	15.1	68	9.2	8.0	SW	4.02	19.3	SW	14.9	14.6	14.5	755.4	0.00	0.0	0.068	0.000	13.4	79	9.9	13.2	16.05	1.2100 703	1	100.0	30
06/07/11	23:00	15.3	15.3	15.0	71	10.0	9.7	SSW	4.83	24.1	S	15.0	14.9	14.7	755.4	0.00	0.0	0.064	0.000	13.2	80	9.8	13.1	16.35	1.2110 701	1	100.0	30
06/07/11	23:30	15.3	15.4	15.3	75	10.9	9.7	SSW	4.83	27.4	S	15.1	15.1	14.8	755.5	0.00	0.0	0.063	0.000	13.3	80	9.9						

07/07/11	6:30	15.7	15.7	15.2	82	12.7	11.3	S	5.63	24.1	SSW	15.3	15.7	15.3	754.3	0.00	0.0	0.054	0.000	14.4	80	11.0	14.3	16.35	1.2029	702	1	100.0	30
07/07/11	7:00	16.1	16.1	15.7	81	12.8	12.9	S	6.44	27.4	SSE	15.3	16.1	15.3	754.3	0.00	0.0	0.047	0.000	15.1	80	11.6	14.9	16.35	1.1997	703	1	100.0	30
07/07/11	7:30	16.2	16.2	15.8	81	12.9	12.9	S	6.44	27.4	S	15.4	16.2	15.5	754.3	0.00	0.0	0.045	0.000	15.4	80	12.0	15.3	16.35	1.1979	702	1	100.0	30
07/07/11	8:00	16.6	16.6	16.2	80	13.1	11.3	SSW	5.63	27.4	S	16.3	16.7	16.4	754.4	0.00	0.0	0.037	0.000	15.9	80	12.4	15.9	16.39	1.1954	703	1	100.0	30
07/07/11	8:30	16.9	17.0	16.5	78	13.0	14.5	S	7.24	32.2	SSW	15.8	16.9	15.9	754.3	0.00	0.0	0.030	0.000	16.8	80	13.4	16.9	16.49	1.1904	702	1	100.0	30
07/07/11	9:00	17.7	17.8	16.8	75	13.2	12.9	SSW	6.44	32.2	SW	17.3	17.8	17.3	754.2	0.00	0.0	0.013	0.000	17.8	80	14.3	18.1	16.60	1.1850	702	1	100.0	30
07/07/11	9:30	17.1	17.7	17.1	76	12.8	12.9	SSW	6.44	30.6	SSW	16.5	17.1	16.5	754.1	0.00	0.0	0.027	0.000	18.6	79	14.8	18.9	16.21	1.1812	701	1	100.0	30
07/07/11	10:00	18.2	18.5	17.1	72	13.1	16.1	SSW	8.05	40.2	SSW	17.0	18.3	17.1	754.0	0.00	0.0	0.002	0.000	19.3	79	15.6	19.9	16.07	1.1768	702	1	100.0	30
07/07/11	10:30	18.1	18.7	18.1	74	13.3	16.1	S	8.05	37.0	SSE	16.8	18.1	16.8	754.0	0.00	0.0	0.006	0.000	20.6	78	16.6	21.3	15.42	1.1703	703	1	100.0	30
07/07/11	11:00	18.3	18.6	17.9	70	12.7	16.1	SSW	8.05	38.6	SW	17.1	18.3	17.1	754.0	0.00	0.0	0.001	0.000	20.6	77	16.4	21.3	15.02	1.1706	701	1	100.0	30
07/07/11	11:30	18.6	18.8	18.1	71	13.2	19.3	S	9.66	38.6	S	16.6	18.6	16.7	753.9	0.00	0.0	0.000	0.005	20.8	76	16.4	21.3	14.76	1.1696	703	1	100.0	30
07/07/11	12:00	18.4	18.7	18.0	76	14.1	19.3	S	9.66	38.6	SSE	16.5	18.7	16.7	754.0	0.00	0.0	0.000	0.002	20.6	76	16.2	21.2	14.77	1.1711	702	1	100.0	30
07/07/11	12:30	18.3	19.1	18.2	75	13.8	22.5	SSE	11.27	41.8	SSE	15.8	18.4	16.0	753.8	0.00	0.0	0.001	0.000	21.0	76	16.6	21.4	14.75	1.1686	702	1	100.0	30
07/07/11	13:00	18.6	18.8	17.3	73	13.6	20.9	S	10.46	41.8	SSE	16.3	18.7	16.5	753.8	0.00	0.0	0.000	0.005	19.8	76	15.4	20.3	14.80	1.1751	701	1	100.0	30
07/07/11	13:30	19.1	19.6	18.6	68	13.0	19.3	SSE	9.66	41.8	SSE	17.2	19.1	17.3	753.8	0.00	0.0	0.000	0.015	20.6	77	16.4	21.2	15.03	1.1707	702	1	100.0	30
07/07/11	14:00	19.6	19.6	18.1	67	13.3	17.7	S	8.85	41.8	S	18.2	19.7	18.3	753.8	0.00	0.0	0.000	0.027	20.6	77	16.4	21.3	15.02	1.1703	702	1	100.0	30
07/07/11	14:30	19.2	19.8	18.9	67	12.9	17.7	S	8.85	38.6	SW	17.7	19.2	17.8	753.8	0.00	0.0	0.000	0.017	21.8	76	17.4	22.3	14.73	1.1643	702	1	100.0	30
07/07/11	15:00	20.2	20.2	19.2	64	13.1	17.7	S	8.85	41.8	S	18.7	20.2	18.7	753.6	0.00	0.0	0.000	0.038	22.4	76	18.0	23.2	14.70	1.1604	703	1	100.0	30
07/07/11	15:30	19.5	20.2	19.5	66	13.0	16.1	S	8.05	37.0	SSW	18.4	19.6	18.4	753.7	0.00	0.0	0.000	0.024	23.1	75	18.4	24.1	14.38	1.1573	702	1	100.0	30
07/07/11	16:00	18.6	19.8	18.6	71	13.2	14.5	S	7.24	30.6	SW	17.9	18.7	18.0	753.6	0.00	0.0	0.000	0.006	22.2	75	17.6	22.8	14.41	1.1620	703	1	100.0	30
07/07/11	16:30	19.2	19.3	18.6	73	14.3	16.1	SSE	8.05	32.2	SE	18.1	19.5	18.4	753.5	0.00	0.0	0.000	0.019	21.1	76	16.7	21.5	14.75	1.1674	680	1	99.4	30
07/07/11	17:00	19.1	19.5	19.1	76	14.8	19.3	SSE	9.66	32.2	SSE	17.3	19.5	17.7	753.4	0.00	0.0	0.000	0.016	21.9	76	17.5	22.5	14.72	1.1628	702	1	100.0	30
07/07/11	17:30	19.1	19.2	18.9	72	13.9	19.3	SSE	9.66	35.4	S	17.3	19.3	17.5	753.3	0.00	0.0	0.000	0.016	22.2	76	17.8	22.8	14.71	1.1611	703	1	100.0	30
07/07/11	18:00	18.5	19.2	18.3	76	14.2	19.3	SSE	9.66	37.0	ESE	16.6	18.7	16.8	753.2	0.00	0.0	0.000	0.003	21.8	75	17.1	22.2	14.43	1.1636	702	1	100.0	30
07/07/11	18:30	17.8	18.7	17.8	77	13.7	16.1	SSE	8.05	32.2	S	16.4	17.9	16.6	753.3	0.00	0.0	0.012	0.000	20.9	76	16.6	21.4	14.76	1.1680	703	1	100.0	30
07/07/11	19:00	19.3	19.3	17.7	68	13.2	12.9	SSE	6.44	32.2	SSE	18.9	19.4	19.1	753.1	0.00	0.0	0.000	0.020	20.6	77	16.4	21.2	15.03	1.1694	702	1	100.0	30
07/07/11	19:30	18.4	19.5	18.4	76	14.1	12.9	SSE	6.44	30.6	S	18.1	18.6	18.3	753.1	0.00	0.0	0.000	0.001	21.0	76	16.6	21.4	14.75	1.1674	703	1	100.0	30
07/07/11	20:00	17.5	18.4	17.4	80	14.0	14.5	S	7.24	30.6	S	16.6	17.7	16.8	753.1	0.00	0.0	0.017	0.000	19.2	76	14.8	19.6	14.82	1.1771	700	1	100.0	30
07/07/11	20:30	17.6	17.7	17.5	72	12.4	9.7	S	4.83	24.1	SW	17.6	17.5	17.5	753.2	0.00	0.0	0.016	0.000	18.0	76	13.7	18.2	14.86	1.1835	701	1	100.0	30
07/07/11	21:00	17.1	17.6	17.1	75	12.6	9.7	S	4.83	20.9	SW	17.1	17.1	17.1	753.4	0.00	0.0	0.025	0.000	17.1	77	13.0	17.1	15.35	1.1882	677	1	99.0	30
07/07/11	21:30	16.6	17.1	16.6	77	12.5	8.0	SSW	4.02	20.9	SW	16.6	16.5	16.5	753.6	0.00	0.0	0.037	0.000	16.1	77	12.0	15.9	15.35	1.1940	702	1	100.0	30
07/07/11	22:00	16.3	16.6	16.3	76	12.1	8.0	S	4.02	17.7	S	16.3	16.2	16.2	753.7	0.00	0.0	0.042	0.000	15.4	77	11.4	15.3	15.35	1.1973	703	1	100.0	30
07/07/11	22:30	16.2	16.3	16.2	78	12.3	8.0	SSW	4.02	19.3	SSW	16.2	16.1	16.1	753.6	0.00	0.0	0.045	0.000	15.1	78	11.3	14.9	15.67	1.1987	702	1	100.0	30
07/07/11	23:00	16.0	16.2	16.0	82	12.9	6.4	SSW	3.22	19.3	S	16.0	16.1	16.1	753.7	0.00	0.0	0.049	0.000	14.9	78	11.1	14.7	15.67	1.1999	703	1	100.0	30
07/07/11	23:30	15.6	16.0	15.6	79	12.0	8.0	S	4.02	19.3	S	15.6	15.5	15.5	753.7	0.00	0.0	0.057	0.000	14.6	78	10.8	14.4	15.68	1.2015	701	1	100.0	30
08/07/11	00:00	15.6	15.7	15.6	81	12.3	6.4	SSW	3.22	19.3	S	15.6	15.5	15.5	753.8	0.00	0.0	0.058	0.000	14.4	78	10.7	14.3	15.69	1.2025	701	1	100.0	30
08/07/11	0:30	15.2	15.6	15.2	83	12.4	4.8	SW	2.41	14.5	S	15.2	15.2	15.2	753.8	0.00	0.0	0.065	0.000	14.3	78	10.5	14.1	15.70	1.2033	703	1	100.0	30
08/07/11	1:00	15.1	15.3	15.1	85	12.6	4.8	SSW	2.41	14.5	S	15.1	15.1	15.1	753.7	0.00	0.0	0.068	0.000	14.2	78	10.4	14.0	15.70	1.2038	703	1	100.0	30
08/07/11	1:30	14.8	15.1	14.8	86	12.5	3.2	SW	1.61	12.9	SW	14.8	14.8	14.8	753.9	0.00	0.0	0.073	0.000	14.1	78	10.3	13.9	15.70	1.2044	701	1	100.0	30
08/07/11	2:00	14.7	14.8	14.7	85	12.2	4.8	SW	2.41	12.9	SSW	14.7	14.7	14.7	754.0	0.00	0.0	0.075	0.000	14.0	78	10.2	13.8	15.71	1.2050	681	1	99.6	30
08/07/11	2:30	14.8	14.9	14.7	85	12.3	6.4	SSW	3.22	19.3	SSW	14.8	14.8	14.8	754.0	0.00	0.0	0.073	0.000	14.1	78	10.3	13.9	15.70	1.2045	701	1	100.0	30
08/07/11	3:00	14.6	14.8	14.6	87	12.5	4.8	SW	2.41	12.9	SSW	14.6	14.6	14.6	753.9	0.00	0.0	0.078	0.000	14.2	78	10.4	14.0	15.70	1.2041	701	1	100.0	30
08/07/11	3:30	13.9	14.6	13.9	92	12.6	4.8	SW	2.41	14.5	WSW	13.9	13.9	13.9	754.0	1.80	29.6	0.093	0.000	13.9	78	10.2	13.7	15.71	1.2053	702	1	100.0	30
08/07/11	4:00	13.7	13.9	13.7	93	12.6	4.8	SW	2.41	11.3	SSE	13.7	13.8	13.8	753.7	0.20	1.0	0.096	0.000	13.4	78	9.7	13.2	15.73	1.2075	700	1	100.0	30
08/07/11	4:30	13.8	13.8	13.7	92	12.5	6.4	SSW	3.22	16.1	S	13.8	13.8	13.8	753.7	0.00	0.0	0.095	0.000	13.2	78	9.5	13.0	15.73	1.2086	703	1	100.0	30
08/07/11	5:00	14.1	14.1	13.7	93	12.9	6.4	SSW	3.22	17.7	SSW	14.1	14.2	14.2	753.8	0.00	0.0	0.089	0.000	13.1	79	9.5	12.9	16.05	1.2092	702			

08/07/11	12:30	15.9	15.9	15.1	83	13.0	14.5	SSW	7.24	35.4	SSW	14.7	15.9	14.7	754.7	0.20	0.0	0.051	0.000	15.7	79	12.1	15.7	16.06	1.1971	701	1	100.0	30
08/07/11	13:00	15.5	15.8	15.4	86	13.2	12.9	SSW	6.44	37.0	SSW	14.7	15.6	14.7	754.8	0.20	0.0	0.059	0.000	15.9	79	12.2	15.8	16.07	1.1964	702	1	100.0	30
08/07/11	13:30	17.3	17.3	15.4	80	13.8	14.5	S	7.24	38.6	SSW	16.3	17.4	16.4	754.8	0.00	0.0	0.022	0.000	16.7	80	13.2	16.8	16.47	1.1920	703	1	100.0	30
08/07/11	14:00	17.2	17.4	16.8	81	13.9	16.1	SSW	8.05	45.1	SW	15.8	17.4	16.0	754.7	0.00	0.0	0.023	0.000	17.6	79	13.9	17.8	16.20	1.1871	701	1	100.0	30
08/07/11	14:30	18.6	18.6	17.2	76	14.2	16.1	SSW	8.05	43.5	SSE	17.4	18.8	17.7	754.6	0.00	0.0	0.000	0.005	19.1	79	15.3	19.6	16.12	1.1793	681	1	99.6	30
08/07/11	15:00	18.3	18.7	18.1	75	13.8	16.1	SSW	8.05	43.5	S	17.1	18.4	17.2	754.5	0.00	0.0	0.001	0.000	20.1	78	16.1	20.7	15.50	1.1741	703	1	100.0	30
08/07/11	15:30	17.8	18.4	17.8	74	13.1	16.1	SSW	8.05	35.4	SSE	16.5	17.9	16.6	754.5	0.00	0.0	0.010	0.000	19.6	78	15.7	20.2	15.57	1.1765	701	1	100.0	30
08/07/11	16:00	18.6	18.6	17.8	71	13.2	17.7	S	8.85	41.8	SSW	17.0	18.6	17.1	754.6	0.00	0.0	0.000	0.005	19.4	78	15.5	19.9	15.59	1.1774	701	1	100.0	30

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Appendix F – Ground Investigation Factual Reports

Terrestrial Surface Water Quality Monitoring Report 2013

This report contains confidential information. Therefore this document is only available on request to those who have a legitimate need to view the information

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Appendix D – Definitions of Probability and Risk

Table D.1 - Risk estimation - classification of probability

Classification	Definition of the probability of harm / pollution occurring
High Likelihood	The contaminant linkage exists and it is very likely to result in harm / pollution in the short term, and/or will almost inevitably result in harm / pollution in the long term, and/or there is current evidence of harm/pollution. Likelihood is defined as more likely than not and meets the definition of 'significant possibility' within Part 2A Contaminated Land Statutory Guidance.
Likely	The source, pathway and receptor exist for the contaminant linkage and it is probable that harm / pollution will occur. Circumstances are such that harm / pollution is not inevitable, but possible in the short term and likely over the long term. Likelihood is defined as reasonably possible and meets the definition of 'significant possibility' within Part 2A Contaminated Land Statutory Guidance.
Low Likelihood	The source, pathway and receptor exist and it is possible that harm / pollution could occur. Circumstances are such that harm/pollution is by no means certain in the long term and less likely in the short term.
Unlikely	The source, pathway and receptor exist for the contaminant linkage but it is improbable that harm / pollution will occur even in the long term.

Table D.2 - Risk estimation - classification of consequence

Classification	Definition of consequence
Human Health Receptors – Site end user or other sensitive receptor	
Severe	Acute damage to human health based on the effects on the critical human receptor. Concentrations of contaminants above appropriate site-specific assessment criteria. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Medium	Chronic damage to human health based on the effects on the critical human receptor. Concentrations of contaminants above appropriate site-specific assessment criteria. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Mild	No appreciable impact on human health based on the potential effects on the critical human receptor. Concentrations of contaminants above generic assessment criteria but below appropriate site-specific assessment criteria.
Minor	No appreciable impact on human health based on the effects on the critical human receptor. Concentrations of contaminants below appropriate generic assessment criteria.
Human Health Receptors – Site construction workers	
Severe	Exposure to hazardous substances resulting in a reportable death, major injury, 3-day injury or illness/disease under RIDDOR.
Medium	Exposure to hazardous substances resulting in a dangerous occurrence reportable under RIDDOR. Exposure to hazardous substances resulting in exceedance of a workplace exposure limit.
Mild	Exposure to hazardous substances resulting in limited effects such as headache, dizziness, nausea. Exposures below the workplace exposure limits. Not reportable under RIDDOR.

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Minor	Minor exposure to hazardous substance resulting in no appreciable ill health effects.
Controlled Water Receptors	
Severe	Pollution of a Principal Aquifer within a source protection zone or potable supply characterised by a breach of drinking water standards. Pollution of a surface water course characterised by a breach of an Environmental Quality Standard (EQS) at a statutory monitoring location or resulting in a change in General Quality Assessment (GQA) grade of river reach. Discharge of a List I or List II substance to groundwater. Pollution meets Part 2A Contaminated Land Statutory Guidance definition.
Medium	Pollution of a Principal Aquifer outside a source protection zone or a Secondary A Aquifer characterised by a breach of drinking water standards. Pollution of an industrial groundwater abstraction or irrigation supply that impairs its function. Substantial pollution but insufficient to result in a change in the GQA grade of river reach. Pollution meets Part 2A Contaminated Land Statutory Guidance definition.
Mild	Low levels of pollution of a Principal Aquifer outside a source protection zone or an industrial abstraction, or pollution of a Secondary Aquifer. Low levels of pollution insufficient to result in a change in the GQA grade of river reach, pollution of a surface water course without a quality classification.
Minor	No appreciable pollution, or pollution of a low sensitivity receptor such as a non-aquifer or a surface water course without a quality classification

Property Receptors – Buildings, Foundations and Services

Severe	Catastrophic damage to buildings, such as explosion. Catastrophic failure of foundations and services. Substantial damage to a Scheduled Monument significantly impairing the by reason of which the monument is scheduled. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Medium	Substantial damage to buildings and foundations rendering the structures unsafe. Substantial damage to services impairing their function. Significant damage to a Scheduled Monument significantly impairing the reason of which the monument is scheduled. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Mild	Significant damage to buildings and foundations but not resulting in them being unsafe for occupation. Damage to services but not sufficient to impair their function. Damage to a Scheduled Monument but no significant impairment to the reason of which the monument is scheduled.
Minor	Easily repairable damage to buildings, foundations and services.

Property Receptors – Crops and Livestock and Ecological Receptors

Severe	Substantial loss in the value of crops or domestically-grown produce. Death to livestock, domesticated animals or wild animals subject to shooting or fishing rights. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Medium	Substantial diminution in yield (over 20% reduction) of crops or domestically-grown produce. Serious disease or other serious physical damage to livestock, domesticated animals or wild animals subject to shooting or fishing rights. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Mild	Harm to crops but not resulting in a substantial loss in value or diminution in yield (less than 20% reduction). Limited harm in terms of disease or other physical

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	damage to livestock, domesticated animals or wild animals subject to shooting or fishing rights.
Minor	No appreciable harm, or harm to a low sensitivity receptor.

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Appendix E – Preliminary Conceptual Site Model

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Table E.1- Preliminary Site Conceptual Model

Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			Post Operation (temporary works areas only)		
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category
<p>ON-SITE: MCA and Offshore Area</p> <p>Former rifle range located in the centre of the MCA.</p> <p>Made Ground within the north-east of the MCA.</p> <p>Drainage and wind pumps in the north and centre of the MCA.</p> <p>Sewage treatment works located on the western boundary of the MCA.</p> <p>Made Ground and spoil disposal on the MCA associated with the construction of Sizewell B and former contractors' compound.</p> <p>Activities relating to the former contractors' compound on the MCA for Sizewell B including possible storage areas, fabrication areas, lagoons, stone washing / concrete batching area.</p> <p>Car park located on western edge of the MCA.</p> <p>Activities within the MCA associated with the operation of Sizewell B power station including the atmospheric deposition of radioactive materials and discharge of process and cooling water into the North Sea and migration of contaminated groundwater onto the MCA and offshore area..</p> <p>Former infilled sand pits located across the MCA.</p> <p>Peat and alluvial deposits indicated to be present within the eastern edge of the MCA.</p> <p>Farming activities across the entire site area including potential for unmarked farmers tips.</p> <p>Made Ground associated with the construction of roads crossing the various areas of the site as well as activities associated with their operation.</p> <p>Moderate UXO risk across the site.</p> <p><i>Risk of inorganic and organic contamination including metals and hydrocarbons, biological contaminants, PCBs, asbestos, solvents, paints, fuels, oils,</i></p>	<p>Human health: On-site</p>	<p>Pedestrians and road users using existing roads, footpaths and fields within the site</p> <p>Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.</p> <p>Inhalation of contaminants in soil, soil-derived dust and gas/vapours.</p>	Low likelihood	Mild	Low risk	Receptor not present	--	--	Receptor not present	--	--	--	--	--
		<p>Agricultural workers</p> <p>Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.</p> <p>Inhalation of contaminants in soil, soil-derived dust and vapours.</p>	Low likelihood	Medium	Medium / Low risk	Receptor not present	--	--	Receptor not present	--	--	--	--	--
		<p>Recreational site users of the SSSI, marshes and beach along the foreshore</p> <p>Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.</p> <p>Inhalation of contaminants in soil, soil-derived dust and vapours.</p>	Low likelihood	Medium	Medium / Low risk	Receptor not present	--	--	Receptor not present	--	--	--	--	--
		<p>Current Sizewell B workers using areas of the MCA</p> <p>Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.</p> <p>Inhalation of contaminants in soil, soil-derived dust and vapours.</p>	Low likelihood	Mild	Low risk	Low likelihood	Mild	Low risk	Receptor not present	--	--	--	--	--
		<p>Future site workers</p> <p>Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.</p> <p>Inhalation of contaminants in soil, soil-derived dust and vapours.</p>	Receptor not present	--	--	Receptor not present	--	--	Low likelihood	Medium	Medium / Low risk	--	--	--
		<p>Workers in adjacent Sizewell B power station</p> <p>Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated off site.</p> <p>Inhalation of windblown soil derived dust, fibres and gas/vapours which may have migrated off site.</p>	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	--	--	--
	<p>Human health: Off-site</p>	<p>Pedestrians accessing surrounding roads and footpaths</p> <p>Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated off site.</p> <p>Inhalation of windblown soil derived dust, fibres and gas/vapours which may have migrated off site.</p>	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	--	--	--
		<p>Agricultural workers</p> <p>Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated off site.</p> <p>Inhalation of windblown soil derived dust, fibres and</p>	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	--	--	--

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Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			Post Operation (temporary works areas only)			
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	
herbicides and pesticides. Ground gas generation.		gas/vapours which may have migrated off site.													
		Recreational site users of the surrounding SSSI and marshes	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	--	--	--	
	Controlled Waters	Principal Bedrock and Superficial Secondary A aquifers	Leaching / migration of contaminants in soil to groundwater in underlying aquifers.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Unlikely	Medium	Low Risk	--	--	--
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low risk	Low likelihood	Medium	Moderate / Low risk	Low likelihood	Medium	Moderate / Low risk	--	--	--
		Ponds and drains on site and within 500 m of the site	Migration of contaminated water into underlying aquifers followed by lateral migration into nearby watercourses.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Unlikely	Medium	Low Risk	--	--	--
			Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Unlikely	Medium	Low risk	Low	Medium	Moderate / Low risk	Unlikely	Medium	Low Risk	--	--	--
		North Sea	Migration of contaminated water into underlying aquifers followed by lateral migration into nearby watercourses.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Unlikely	Medium	Low Risk	--	--	--
			Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Unlikely	Medium	Low risk	Low	Medium	Moderate / Low risk	Unlikely	Medium	Low Risk	--	--	--
	Property / services	Existing on-site and off-site services and structures	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	--	--	--
			Migration of ground gas along strata and preferential pathways such as service routes or differentially permeable strata.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	--	--	--
Proposed on-site services and structures associated with the site		Direct contact of contaminants in soil and/or groundwater with existing buried service.	Receptor not present	--	--	Receptor not present	--	--	Low	Medium	Moderate / Low risk	--	--	--	
		Migration of ground gas along strata and preferential pathways such as service routes or differentially permeable strata.	Receptor not present	--	--	Receptor not present	--	--	Low	Medium	Moderate / Low risk	--	--	--	

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Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			Post Operation (temporary works areas only)				
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category		
		Crops and livestock (on-site and off-site)	Direct contact between soil and water contamination and crops and livestock.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	--	--	--	
			Contaminated surface run-off impacting upon the crops and livestock.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	--	--	--	
	Ecological	Sizewell Marshes SSSI	Direct contact between soil and water contamination and ecological receptors.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	--	--	--	
			Contaminated surface run-off impacting upon the ecological receptors.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	--	--	--	
		Minsmere-Walberswick Heaths and Marshes SSSI, RAMSAR, SAC and SPA and Suffolk Coast and Heaths AONB	Contaminated surface run-off impacting upon the ecological receptors.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	--	--	--	
	ON-SITE: TCA Former infilled sand pits located across the TCA. Grass covered mounds (suspected Made Ground) located in the north-east of the TCA. Peat and alluvial deposits indicated to be present within the eastern edge of the TCA. Farming activities across the entire site area including potential for unmarked farmers tips. Made Ground associated with the construction of roads crossing the various areas of the site as well as activities associated with their operation. Moderate UXO risk across the site. <i>Risk of inorganic and organic contamination including metals and hydrocarbons, asbestos, fuels, oils, herbicides and pesticides.</i>	Human health: On-site	Pedestrians and road users using existing roads, footpaths and fields within the site	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water. Inhalation of contaminants in soil, soil-derived dust and gas/vapours.	Low likelihood	Mild	Low risk	Receptor not present	--	--	Receptor not present	--	--	Low likelihood	Mild	Low risk
Agricultural workers			Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water. Inhalation of contaminants in soil, soil-derived dust and vapours.	Unlikely	Medium	Low risk	Receptor not present	--	--	Receptor not present	--	--	Unlikely	Medium	Low risk	
Residents within the TCA			Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water. Inhalation of contaminants in soil, soil-derived dust and vapours.	Unlikely	Medium	Low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Medium	Low risk	
		Human health: Off-site	Occupants of nearby residential, recreational and commercial properties	Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated off site. Inhalation of windblown soil derived dust, fibres and gas/vapours which may have migrated off site.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
Pedestrians accessing surrounding roads and footpaths			Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated off site. Inhalation of windblown soil derived dust, fibres and gas/vapours which may have migrated off site.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
Agricultural workers			Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated off site.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	

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Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			Post Operation (temporary works areas only)		
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category
		Inhalation of windblown soil derived dust, fibres and gas/vapours which may have migrated off site.												
	Recreational site users of the SSSI and marshes	<p>Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated off site.</p> <p>Inhalation of windblown soil derived dust, fibres and gas/vapours which may have migrated off site.</p>	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
Controlled Waters	Principal Bedrock and Superficial Secondary A aquifers	Leaching / migration of contaminants in soil to groundwater in underlying aquifers.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk
		Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Unlikely	Medium	Low Risk
	Ponds and drains on site and within 500 m of the site	Migration of contaminated water into underlying aquifers followed by lateral migration into nearby watercourses.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk
		Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Unlikely	Medium	Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Unlikely	Medium	Low Risk
Property / services	Existing on-site and off-site services and structures	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk
		Migration of ground gas along strata and preferential pathways such as service routes or differentially permeable strata.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk
	Proposed on-site services and structures associated with the site	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Receptor not present	--	--	Receptor not present	--	--	Low	Medium	Moderate / Low risk	Receptor not present	--	--
		Migration of ground gas along strata and preferential pathways such as service routes or differentially permeable strata.	Receptor not present	--	--	Receptor not present	--	--	Low	Medium	Moderate / Low risk	Receptor not present	--	--
	Crops and livestock (on-site and off-site)	Direct contact between soil and water contamination and crops and livestock.	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk
		Contaminated surface run-off impacting upon the crops and livestock.	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk
Ecological	Sizewell Marshes SSSI	Direct contact between soil and water contamination and ecological receptors.	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk

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Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			Post Operation (temporary works areas only)			
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	
		Contaminated surface run-off impacting upon the ecological receptors.	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	
	Minsmere-Walberswick Heaths and Marshes SSSI, RAMSAR, SAC and SPA and Suffolk Coast and Heaths AONB	Contaminated surface run-off impacting upon the ecological receptors.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low risk	
ON-SITE: LEEIE Fly tipping in the north-west of the LEEIE. Railway line running through the southern extent of the LEEIE and associated buildings. Farming activities across the entire site area including potential for unmarked farmers tips. Made Ground present within the southern section of the LEEIE associated with the railway line and in the northern section associated with an infilled reservoir. Electricity substation in the eastern extent of the proposed access road in the east of the LEEIE. Made Ground associated with the construction of roads crossing the various areas of the site as well as activities associated with their operation. Moderate UXO risk across the site. <i>Risk of inorganic and organic contamination including metals and hydrocarbons, asbestos, fuels, oils, PCBs, PAHs, herbicides and pesticides.</i>	Human health: On-site	Pedestrians and road users using existing roads, railway, footpaths and fields within the site	Low likelihood	Mild	Low risk	Receptor not present	--	--	Receptor not present	--	--	Low likelihood	Mild	Low risk	
		Agricultural workers	Unlikely	Mild	Very low risk	Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk	
	Human health: Off-site	Occupants of nearby residential, recreational and commercial properties	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
		Pedestrians accessing surrounding roads and footpaths	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
		Agricultural workers	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
	Controlled Waters	Principal Bedrock and Superficial Secondary A aquifers	Leaching / migration of contaminants in soil to groundwater in underlying aquifers.	Low likelihood	Mild	Low risk	Low likelihood	Mild	Low risk	Low likelihood	Mild	Low risk	Low likelihood	Mild	Low risk
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk

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Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			Post Operation (temporary works areas only)			
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	
		Ponds and drains on site and within 500 m of the site	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
		Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
	Property / services	Existing on-site and off-site services and structures	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk
			Migration of ground gas along strata and preferential pathways such as service routes or differentially permeable strata.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk
	Proposed on-site services and structures associated with the site	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Receptor not present	--	--	--	Receptor not present	--	--	Unlikely	Medium	Low risk	Receptor not present	--	--
			Migration of ground gas along strata and preferential pathways such as service routes or differentially permeable strata.	Receptor not present	--	--	Receptor not present	--	--	Unlikely	Medium	Low risk	Receptor not present	--	--
	Crops and livestock (on-site and off-site)	Direct contact between soil and water contamination and crops and livestock.	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	
			Contaminated surface run-off impacting upon the crops and livestock.	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk
	Ecological	Sizewell Marshes SSSI	Direct contact between soil and water contamination and ecological receptors.	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk
			Contaminated surface run-off impacting upon the ecological receptors.	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk	Unlikely	Medium	Low risk
	OFF-SITE: Activities associated with the operation of Sizewell A and B power stations including asbestos lined tanks and their infill, the deposition of radioactive materials on the MCA and migration of contaminated groundwater onto the MCA. Former sand pits located 250 m north-west and south-east of the MCA and 250 m to the south of the TCA which have been infilled. Former brick works, brick field and clay pit located 300 m to the west of the LEEIE which have been infilled.	Human health: On-site	Pedestrians and road users using existing roads, footpaths, railway and fields within the site	Low likelihood	Mild	Low risk	Receptor not present	--	--	Receptor not present	--	--	Low likelihood	Mild	Low risk
			Agricultural workers	Unlikely	Mild	Very low risk	Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk
			Recreational site users of the SSSI, marshes and beach along the foreshore	Low likelihood	Mild	Low risk	Receptor not present	--	--	Receptor not present	--	--	Low likelihood	Mild	Low risk

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			Post Operation (temporary works areas only)			
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	
<p>Smithy located approximately 450m south- east of the LEEIE.</p> <p>Tank and sewage works located 500 m to the south-west of the LEEIE.</p> <p>Historical landfills within 500 m of the site including refuse tip, Ogilvie at Home Farm, Leiston Landfill, Carrs Pit, Abbey Pit and Aldhurst Farm.</p> <p>Gasworks, coal yard and tanks located 40 m to the west of the LEEIE.</p> <p>Electrical substation located 100 m south-west of the LEEIE.</p> <p>Farming activities in surrounding areas including potential for unmarked farmers tips.</p> <p>Allotments adjacent to the south of the LEEIE.</p> <p>Made Ground associated with the construction of roads surrounding the site as well as activities associated with their operation.</p> <p>Works and factories within Eastlands Industrial Estate.</p> <p><i>Risk of inorganic and organic contamination including metals and hydrocarbons, asbestos, solvents, fuels, oils, PCBs, radioactive materials, coal tar, acids and alkalis, herbicides and pesticides. Ground gas generation.</i></p>	Current Sizewell B site workers using the MCA	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water. Inhalation of contaminants in soil, soil-derived dust and vapours.	Low likelihood	Mild	Low risk	Receptor not present	--	--	Receptor not present	--	--	Low likelihood	Mild	Low risk	
			Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk	--	--	--	
			Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
	Controlled Waters	Principal Bedrock and Superficial Secondary A aquifers	Leaching / migration of contaminants in soil to groundwater in underlying aquifers. Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk
				Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk
		Ponds and drains on site and within 500 m of the site	Migration of contaminated water into underlying aquifers followed by lateral migration into nearby watercourses. Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk
				Unlikely	Medium	Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk
				Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk
	Property / services	Existing on-site services and structures	Direct contact of contaminants in soil and/or groundwater with existing buried service. Migration of ground gas along strata and preferential pathways such as service routes or differentially permeable strata.	Unlikely	Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk
Unlikely				Medium	Low risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	
Proposed on-site services and structures associated with the site		Direct contact of contaminants in soil and/or groundwater with existing buried service. Migration of ground gas along strata and preferential pathways such as service routes or differentially permeable strata.	Receptor not present	--	--	Receptor not present	--	--	Low	Medium	Moderate / Low risk	Receptor not present	--	--	
			Receptor not present	--	--	Receptor not present	--	--	Low	Medium	Moderate / Low risk	Receptor not present	--	--	

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			Post Operation (temporary works areas only)			
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	
	Crops and livestock (on-site)	Direct contact between soil and water contamination and crops and livestock.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Receptor not present	--	--	
		Contaminated surface run-off impacting upon the crops and livestock.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Receptor not present	--	--	
	Ecological	Sizewell Marshes SSSI	Direct contact between soil and water contamination and ecological receptors.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Receptor not present	--	--
			Contaminated surface run-off impacting upon the ecological receptors.	Low likelihood	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Low	Medium	Moderate / Low risk	Receptor not present	--	--

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

Appendix F – Ground Investigation Factual Reports

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Appendix F – Ground Investigation Factual Reports

On-shore Investigations Phase 1 for Sizewell Site 2011

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Report No A0012-10/1

ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE

FACTUAL REPORT ON GROUND INVESTIGATION

VOLUME 1: TEXT, MONITORING AND DRAWINGS

Carried out for: NNB Generation Company Limited

August 2011

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**ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
FACTUAL REPORT ON GROUND INVESTIGATION**

VOLUME 1: TEXT, MONITORING AND DRAWINGS

Report No: A0012-10/1

Date: August 2011

Employer:

**NNB Generation Company Limited
40 Grosvenor Place
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Issue No	Date	Details
1	August 2011	Report as submitted

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REPORT STRUCTURE

VOLUME NO	TITLE	REPORT NO
1	TEXT, MONITORING AND DRAWINGS	A0012-10/1
2A	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE LOGS	A0012-10/2A
2B	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE AND TRIAL PIT LOGS 1:100 SCALE BOREHOLE LOGS SPLIT TUBE SAMPLE DESCRIPTIONS DISCONTINUITY LOGS	A0012-10/2B
3A	IN SITU TESTING: DRILLING PARAMETER RESULTS MENARD PRESSUREMETER TESTING	A0012-10/3A
3B	IN SITU TESTING: CONE PENETRATION TESTING GEOPHYSICAL TESTING PUMPING TEST	A0012-10/3B
3C	IN SITU TESTING: SELF BORING PRESSUREMETER TESTING	A0012-10/3C
4	GEOTECHNICAL LABORATORY TESTING	A0012-10/4
5	PHOTOGRAPHS	A0012-10/5
6	COMPREHENSIVE AND DATA INTEGRATION REPORT	A0012-10/6

CONTENTS

	Page
1 INTRODUCTION	3
2 THE SITE AND GEOLOGY	3
2.1 The Site	
2.2 Published Geology	
3 FIELDWORK	4
3.1 General	
3.2 Exploratory Holes	
3.3 Instrumentation and Monitoring	
3.4 In Situ Testing	
4 LABORATORY TESTING	6
REFERENCES	7
ENCLOSURES	
A EXPLORATORY HOLE SUMMARY	
B EXPLORATORY HOLE RECORDS: REPORT LOCATION SUMMARY	
C INSTALLATION SUMMARY	
D GROUNDWATER MONITORING	
E SITE LOCATION PLAN	
F EXPLORATORY HOLE LOCATION SUMMARY	
G SITE PLAN	

1 INTRODUCTION

During February 2010 Soil Mechanics (SM) were commissioned by EDF – DIN CEIDRE TEGG (EDF), on behalf of NNB Generation Company Limited (NNB), to carry out a ground investigation as part of the Onshore Investigations Phase 1 for Sizewell Site, Suffolk. The investigation was required to obtain geotechnical information for the proposed construction of the new Sizewell C Nuclear Power Station.

The scope of the investigation, which was specified by EDF, comprised cable percussion, rotary drilled and rotasonic boreholes, cone penetration tests, trial pits, in situ testing and laboratory testing. The investigation was carried out in accordance with the contract technical specification and relevant standards (see References). The fieldwork was carried out between 01 July 2010 and 15 March 2011.

This report presents the factual records of the fieldwork and laboratory testing together with a data integration report, see report structure page. The data is also presented separately in digital format following AGS (2005).

2 THE SITE AND GEOLOGY

2.1 The Site

The site is situated 3 km east of the village of Leiston, Suffolk, see Site Location Plan in Enclosure E. The centre of the site is at National Grid reference TM 473 643. Further description of the site is provided in Volume 6 of the report.

2.2 Published Geology

The published geological map covering the site, BGS Sheet 191 (1996) shows a downward sequence of Made Ground, Recent Deposits, Thames Group, Lambeth Group, Ormesby Clay Formation and Upper Chalk. Further discussion of the geology is contained in Volume 6 of the report.

3 FIELDWORK

3.1 General

The fieldwork was carried out in general accordance with BS EN 1997-2 (2007) and its related standards together with the relevant sections of BS 5930 (1999).

The exploratory hole and in situ test locations were selected by EDF. The locations were set out by SM and the co-ordinates and reduced levels surveyed to National Grid and Ordnance Datum. The exploratory hole and in situ test locations are listed in the Exploratory Hole Location Summary in Enclosure F and shown on the Site Plan in Enclosure G.

3.2 Exploratory Holes

The exploratory holes are listed in the Exploratory Hole Summary in Enclosure A and are summarised in the following table.

SUMMARY OF EXPLORATORY HOLES

TYPE	QUANTITY	MAXIMUM DEPTH (m)	REMARKS
Cable Percussion Boring	67	56.70m	
Cable Percussion Boring extended by Rotary Core Drilling	1	120.00m	
Rotary Core Drilling	19	122.90m	Rotary and rotasonic drilling
Rotary Open Hole Drilling	45	100.60m	
Rotary Core and Rotary Open Hole Drilling	2	125.80m	Rotary and rotasonic drilling
Trial Pits	69	5.00m	machine excavated

The exploratory hole records are presented in Volumes 2A and 2B and should be read in conjunction with the Key included therein. The records provide descriptions of the materials encountered, in accordance with the standards referenced on the Key, details of the samples taken, together with observations made during boring, drilling, and pitting. Photographs of the recovered cores, split U100 samples and trial pits are presented in Volume 5.

On completion of the fieldwork all geotechnical samples were transported to the Doncaster laboratory of SM for temporary retention and testing.

AMEC Earth and Environmental (UK) Limited completed geoenvironmental sampling from the GW, G, BH and TP series exploratory holes completed on site by SM during the fieldwork period. The location of these exploratory holes is shown on the site plan in Enclosure G.

3.3 Instrumentation and Monitoring

The instruments installed in the exploratory holes are shown on the logs and are detailed in Enclosure C. Records of the manual groundwater monitoring and a summary of the electronic groundwater datalogging carried out by SM during the fieldwork period are included in Enclosure D. The electronic data is also presented separately in digital format.

Records of the groundwater monitoring carried out by WJ Groundwater Limited during the Pumping Test are presented in Volume 3B. The electronic data is also presented separately in digital format.

3.4 In Situ Testing

In situ testing was carried in accordance with the relevant standards. The testing is summarised below and the results are presented in Volumes 3A, 3B and 3C.

SUMMARY OF IN SITU TESTING


TYPE	QUANTITY	REMARKS
Cone Penetration Testing (CPT)	76	SM Geocone Report: SM Report Volume 3B / Enclosure A Lankelma Report: SM Report Volume 3B / Enclosure B
Self Boring Pressuremeter Testing (SBP)	122	SM Geocone Report: SM Report Volume 3C / Enclosure A
Menard Pressuremeter Testing (MPM)	648	Fondasol Geotechnique Report: SM Report Volume 3A / Enclosure A
Borehole Geophysical Logging Survey	18	European Geophysical Services Report: SM Report Volume 3B / Enclosure C
Borehole Verticality Logging Survey	5	European Geophysical Services Report: SM Report Volume 3B / Enclosure C
Borehole Imaging Survey	7	European Geophysical Services Report: SM Report Volume 3B / Enclosure C
Cross Hole Geophysical Survey	1	SM Pelorus Report: SM Report Volume 3B / Enclosure E
Surface Geophysical Survey	1	SM Pelorus Report: SM Report Volume 3B / Enclosure D
Pumping Test	1	WJ Groundwater Limited Report: SM Report Volume 3B / Enclosure F

4 LABORATORY TESTING

A laboratory testing schedule was prepared by SM and approved by EDF. Testing was carried out at the SM Doncaster laboratory in accordance with BS 1377 (1990) and ISRM (1981) and ISRM (1985) unless otherwise stated. The testing is summarised below and the results are presented in Volume 4.

SUMMARY OF GEOTECHNICAL LABORATORY TESTING

TYPE	REMARKS
Moisture Content Determination	
Atterberg Limit Determination	
Particle Size Distribution Analysis	
Minimum and Maximum Dry Density Analysis	
Unconsolidated Undrained Triaxial Compression test	
Shear-box Test – small box	
Consolidated Drained Triaxial Compression test	
One Dimensional Consolidation test – Oedometer	
Falling Head Permeability test	
Triaxial Permeability test	
pH, Water Soluble Sulphate, Carbonate and organic matter Content of Soils	Test methods are BS 1377 or others recognised in BRE Special Digest 1 (2005)
Methylene Blue Value test	BS EN 933-9 : 1999 Testing carried out by Celtest Limited
XRD Analysis	Testing carried out by Analytical Services Laboratory – University of Greenwich
Cyclic Triaxial test	Testing carried out by Fugro Geoconsulting Limited in accordance with Method Statement L-M-306a1 (see report Volume 4 / Enclosure A)
Resonant Column test	Testing carried out in accordance with Method Statement ISO RCA (see report Volume 4 / Enclosure A)
Unconfined Compression test	
Saturated Moisture Content of Chalk test	
Point Load Test	

Prepared By	M Taylor MGeol (Hons) FGS
Reviewed By	P Hepton BSc (Hons) PhD
Approved for Issue By	

REFERENCES

- AGS : 2005 : Electronic transfer of geotechnical and geoenvironmental data (Edition 3.1 including addendum May 2005). Association of Geotechnical and Geoenvironmental Specialists.
- BGS England and Wales Sheet 191 : 1996 : Saxmundham. 1:50000 geological map (solid & drift). British Geological Survey
- BRE Special Digest 1 : 2005 : Concrete in aggressive ground. Building Research Establishment.
- BS 1377 : 1990 : Methods of test for soils for civil engineering purposes. British Standards Institution.
- BS 5930 : 1999 : Code of practice for site investigations. British Standards Institution.
- BS EN ISO 1997-2 : 2007 : Eurocode 7 - Geotechnical design - Part 2 - Ground investigation and testing. British Standards Institution.
- ISRM : 1981 : Rock Characterisation, Testing and Monitoring - ISRM Suggested Methods (Ed E T Brown). Commission on Testing Methods, International Society for Rock Mechanics, Pergamon Press.
- ISRM : 1985 : Suggested method for determining point load strength. Commission on Testing Methods, International Society for Rock Mechanics, International Journal of Rock Mechanics, Mining Sciences and Geomechanics Abstracts, Vol 22.

ENCLOSURE A
EXPLORATORY HOLE SUMMARY

Exploratory Hole Summary

Table A1 to A8

Exploratory Hole Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Construction Method	Sampling Method	In Situ Testing								
				Drilling Instrumentation	Menard Pressuremeter Testing	Self Boring Pressuremeter Testing	Geologging Survey	Verticality Survey	SPT Testing	Cone Penetration Testing	Cross-Hole Seismic Survey	
CBH 2009_1	120.00	RC	Coring				Yes					
CBH 2009_1U	1.35	CP	U100									
CBH 2009_1UA	47.15	CP	U100									
CBH 2009_2	122.90	RC	Coring				Yes	Yes				
CBH 2009_2U	4.00	CP	U100									
CBH 2009_2UA	44.65	CP	U100									
CBH 2009_3	58.50	RC	Coring				Yes					
CBH 2009_4	55.15	RC	Coring				Yes					
CBH 2009_4U	45.65	CP	U100									
CBH 2009_5	55.20	RC	Coring				Yes					
CBH 2009_5U	1.80	CP	U100									
CBH 2009_5UA	2.45	CP	U100									
CBH 2009_5UB	45.15	CP	U100									
CBH 2009_6	55.50	RC	Coring				Yes					
CBH 2009_6U	43.85	CP	U100									
CBH 2009_7	55.45	RC	Coring				Yes					
CBH 2009_7U	48.15	CP	U100									
CBH 2009_8U	120.00	CP+RC	U100+C				Yes					
CBH 2009_9U	55.10	CP	U100				Yes					
CBH 2009_10	55.40	RC	Coring				Yes					
CBH 2009_11U	56.70	CP	U100				Yes					
SD 2010_01	120.50	RC	Coring				Yes	Yes				
SD 2010_03	120.50	RC	Coring				Yes	Yes				
DBH 2009_1	120.50	RC	Coring				Yes	Yes				Yes
DBH 2009_2	121.50	RC	Coring				Yes	Yes				Yes
DBH 2009_3	35.00	RO		Yes								
DBH 2009_4	20.50	RO		Yes								
DBH 2009_5	20.50	RO		Yes								
DBH 2009_6	20.00	RO		Yes								
DBH 2009_7	20.00	RO		Yes								
DBH 2009_8	35.00	RO		Yes								
DBH 2009_9	35.00	RO		Yes								
DBH 2009_10	35.00	RO		Yes								
DBH 2009_11	20.00	RO		Yes								
DBH 2009_12	35.00	RO		Yes								
DBH 2009_13	20.00	RO		Yes								

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Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table **A1**

Exploratory Hole Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Construction Method	Sampling Method	In Situ Testing							
				Drilling Instrumentation	Menard Pressuremeter Testing	Self Boring Pressuremeter Testing	Geologging Survey	Verticality Survey	SPT Testing	Cone Penetration Testing	Cross-Hole Seismic Survey
DBH 2009_14	20.00	RO		Yes							
DBH 2009_15	20.00	RO		Yes							
DBH 2009_20	48.00	RO		Yes							
MPM 2009_1	100.50	RO		Yes	Yes						
MPM 2009_2	100.50	RO		Yes	Yes						
MPM 2009_3	49.00	RO		Yes	Yes						
MPM 2009_4A	50.40	RO									
MPM 2009_4	50.00	RO		Yes	Yes		Yes				
MPM 2009_5	49.00	RO		Yes	Yes						
MPM 2009_6	49.00	RO		Yes	Yes						
MPM 2009_7	50.00	RO		Yes	Yes		Yes				
MPM 2009_7A	48.00	RO	Coring								
MPM 2009_8	50.00	RO		Yes	Yes						
MPM 2009_9	52.00	RO		Yes	Yes						
MPM 2009_10	49.00	RO		Yes	Yes						
MPM 2009_11	49.00	RO		Yes	Yes						
MPM 2009_12	49.00	RO		Yes	Yes						
MPM 2009_13	100.60	RO		Yes	Yes						
SBP 2009_1	81.90	RO				Yes					
SBP 2009_2	125.80	RO+RC	Coring			Yes	Yes	Yes			Yes
SBP 2009_3	84.70	RO				Yes					
SBP 2009_4	84.10	RO+RC	Coring			Yes					
SPT 2009_1	45.65	RO							Yes		
SPT 2009_2	45.65	RO							Yes		
SPT 2009_3	45.95	RO							Yes		
SPT 2009_4	48.05	RO							Yes		
SPT 2009_5	48.05	RO							Yes		
SPT 2009_6	48.85	RO							Yes		
SPT 2009_7	48.85	RO							Yes		
SPT 2009_8	49.65	RO							Yes		
SPT 2009_9	49.65	RO							Yes		
SPT 2009_10	45.65	RO							Yes		
SPT 2009_11	45.64	RO							Yes		
SPT 2009_12	47.25	RO							Yes		
CPT 2009_1	11.01	SCP								Yes	
CPT 2009_2	2.64	SCP								Yes	

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Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table

A2

Exploratory Hole Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Construction Method	Sampling Method	In Situ Testing								
				Drilling Instrumentation	Menard Pressuremeter Testing	Self Boring Pressuremeter Testing	Geologging Survey	Verticality Survey	SPT Testing	Cone Penetration Testing	Cross-Hole Seismic Survey	
CPT 2009_2A	15.19	SCP									Yes	
CPT 2009_3	16.82	SCP									Yes	
CPT 2009_4	15.35	SCP									Yes	
CPT 2009_6 RO	3.40	RO										
CPT 2009_6A RO	2.90	RO										
CPT 2009_8	12.13	SCP									Yes	
CPT 2009_9	15.37	SCP									Yes	
CPT 2009_10	11.29	SCP									Yes	
CPT 2009_11	8.86	SCP									Yes	
CPT 2009_12	8.25	SCP									Yes	
CPT 2009_13	4.58	SCP									Yes	
CPT 2009_13A	4.27	SCP									Yes	
CPT 2009_14	1.53	SCP									Yes	
CPT 2009_14A	7.73	SCP									Yes	
CPT 2009_15	7.55	SCP									Yes	
CPT 2009_16	15.92	SCP									Yes	
CPT 2009_17	14.09	SCP									Yes	
CPT 2009_18	14.21	SCP									Yes	
CPT 2009_19	1.52	SCP									Yes	
CPT19	1.63	SCP									Yes	
CPT19A	1.64	SCP									Yes	
CPT 2009_19 RC	12.00	RC	Coring									
CPT19B	17.20	SCP									Yes	
CPT 2009_20	13.15	SCP									Yes	
CPT 2009_21 RC	12.00	RC	Coring									
CPT21	16.28	SCP									Yes	
CPT 2009_22	12.60	SCP									Yes	
CPT 2009_23	15.30	SCP									Yes	
CPT 2009_24	15.13	SCP									Yes	
CPT 2009_25	16.16	SCP									Yes	
CPT 2009_26A	5.72	SCP									Yes	
CPT 2009_26B	16.39	SCP									Yes	
CPT 2009_28	6.01	SCP									Yes	
CPT 2009_29	12.91	SCP									Yes	
CPT 2009_31	8.85	SCP									Yes	
CPT 2009_32	8.22	SCP									Yes	

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Project

ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE

Table

Project No.
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A0012-10
NNB Generation Company Limited

A3

Exploratory Hole Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Construction Method	Sampling Method	In Situ Testing							
				Drilling Instrumentation	Menard Pressuremeter Testing	Self Boring Pressuremeter Testing	Geologging Survey	Verticality Survey	SPT Testing	Cone Penetration Testing	Cross-Hole Seismic Survey
CPT 2009_33	0.44	SCP								Yes	
CPT 2009_33A	0.71	SCP								Yes	
CPT 2009_33B	9.67	SCP								Yes	
CPT 2009_34	13.19	SCP								Yes	
CPT 2009_35	14.65	SCP								Yes	
CPT 2009_36	13.94	SCP								Yes	
CPT 2009_37	16.81	SCP								Yes	
CPT 2009_38	1.72	SCP								Yes	
CPT 2009_38 RC	15.00	RC	Coring								
CPT38	17.93	SCP								Yes	
CPT 2009_39	15.36	SCP								Yes	
CPT 2009_40	15.62	SCP								Yes	
CPT 2009_41	16.04	SCP								Yes	
CPT 2009_42	14.35	SCP								Yes	
GEO1_CPT1 RC	9.00	RC	Coring								
GEO1_CPT1A	1.22	SCP								Yes	
GEO1_CPT1B	1.77	SCP								Yes	
GEO1_CPT1	0.96	SCP								Yes	
GEO1_CPT1C	13.30	SCP								Yes	
GEO1_CPT2	0.78	SCP								Yes	
GEO1_CPT2A	17.66	SCP								Yes	
GEO1_CPT3	16.15	SCP								Yes	
GEO1_CPT4	15.22	SCP								Yes	
GEO1_CPT5	15.26	SCP								Yes	
GEO1_CPT6	15.36	SCP								Yes	
GEO2_CPT1	1.51	SCP								Yes	
GEO2_CPT1A	15.06	SCP								Yes	
GEO2_CPT2	14.90	SCP								Yes	
GEO2_CPT3	15.09	SCP								Yes	
GEO2_CPT4	18.78	SCP								Yes	
GEO2_CPT5	17.97	SCP								Yes	
GEO2_CPT6	18.52	SCP								Yes	
GEO3 BH1	20.45	CP									
GEO3 BH2	20.45	CP									
GEO4_CPT1	16.81	SCP								Yes	
GEO4_CPT2	16.27	SCP								Yes	

Notes: Prepared: 16/02/2011 13:55

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Table

A4

Exploratory Hole Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Construction Method	Sampling Method	In Situ Testing							
				Drilling Instrumentation	Menard Pressuremeter Testing	Self Boring Pressuremeter Testing	Geologging Survey	Verticality Survey	SPT Testing	Cone Penetration Testing	Cross-Hole Seismic Survey
GEO4_CPT3	17.02	SCP								Yes	
GEO4_CPT4	3.49	SCP								Yes	
GEO4_CPT4A	3.29	SCP								Yes	
GEO4_CPT4B	3.70	SCP								Yes	
GEO4_CPT4 RC	15.00	RC	Coring								
GEO4_CPT5	3.68	SCP								Yes	
GEO4_CPT5B	3.78	SCP								Yes	
GEO4_CPT5A	3.80	SCP								Yes	
GEO4_CPT5 RC	13.50	RC	Coring								
GEO4_CPT6	2.90	SCP								Yes	
GEO4_CPT6A	2.77	SCP								Yes	
GEO4_CPT6B	2.68	SCP								Yes	
GEO4_CPT6 RC	13.50	RC	Coring								
GW1S	4.00	CP									
GW1D	16.00	CP									
GW2	16.00	CP									
GW3	14.00	CP									
GW4	10.70	CP									
GW5	20.00	CP									
GW5A	11.50	CP									
GW6S	5.00	CP									
GW6D	1.20	CP									
GW6DA	20.00	CP									
GW7	10.50	CP									
GW8	15.70	CP									
GW9S	6.20	CP									
GW9D	20.00	CP									
GW10	10.00	CP									
GW11S	10.00	CP									
GW11S1	6.00	CP									
GW11D	21.00	CP									
GW12	12.70	CP									
GW13	10.00	CP									
GW15	22.40	CP									
GW16D	20.00	CP									
GW17	11.00	CP									
GW18	12.20	CP									
GW19	12.00	CP									

Notes: Prepared: 16/02/2011 13:55

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table

A5

Exploratory Hole Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Construction Method	Sampling Method	In Situ Testing							
				Drilling Instrumentation	Menard Pressuremeter Testing	Self Boring Pressuremeter Testing	Geologging Survey	Verticality Survey	SPT Testing	Cone Penetration Testing	Cross-Hole Seismic Survey
GW20	10.00	CP									
GW21	13.00	CP									
GW22	10.00	CP									
GW23	10.00	CP									
GW24S	4.70	CP									
GW24D	16.20	CP									
G1	1.50	CP									
G1A	1.20	CP									
G1B	15.00	CP									
G2	9.60	CP									
G2A	7.80	CP									
G3	0.80	CP									
G3A	0.90	CP									
G3B	9.20	CP									
G4	10.60	CP									
G5	10.00	CP									
G6	10.00	CP									
BH1	10.00	CP									
BH2	10.00	CP									
BH4	10.00	CP									
BH6	15.00	CP									
BH7	17.00	CP									
TP1	4.00	TP	G								
TP2	1.00	TP	G								
TP3	4.20	TP	G								
TP4	4.00	TP	G								
TP6	1.30	TP	G								
TP7	4.50	TP	G								
TP8	4.50	TP	G								
TP9	2.80	TP	G								
TP11	0.90	TP									
TP12	1.80	TP									
TP13	0.80	TP									
TP14	2.70	TP	G								
TP15	4.00	TP	G								
TP17	1.50	TP									

Notes: Prepared: 16/02/2011 13:55

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table

A6

Exploratory Hole Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Construction Method	Sampling Method	In Situ Testing							
				Drilling Instrumentation	Menard Pressuremeter Testing	Self Boring Pressuremeter Testing	Geologging Survey	Verticality Survey	SPT Testing	Cone Penetration Testing	Cross-Hole Seismic Survey
TP18	1.50	TP									
TP19	1.40	TP									
TP20	0.90	TP									
TP21	2.30	TP	G								
TP22	3.00	TP	G								
TP23	5.00	TP	G								
TP25	1.90	TP									
TP26	1.50	TP									
TP27	1.70	TP	G								
TP28	3.00	TP	G								
TP29	1.30	TP	G								
TP30	1.50	TP	G								
TP32(BH)	4.50	CP									
TP33	1.40	TP									
TP34	2.60	TP									
TP35	2.90	TP									
TP37(BH)	4.00	CP	G								
TP38	4.00	TP	G								
TP39	1.50	TP	G								
TP40	3.20	TP									
TP41	1.30	TP									
TP42	4.00	TP									
TP43	2.60	TP									
TP44	4.00	TP									
TP45	2.00	TP									
TP45A	3.00	TP									
TP46	4.00	TP									
TP47	4.20	TP									
TP48	2.80	TP									
TP50(BH)	5.00	TP	G								
TP51	3.50	TP									
TP52	4.20	TP									
TP53	3.00	TP	G								
TP54(BH)	5.00	TP	G								
TP55	1.30	TP	G								
TP55A	2.70	TP									
TP56	2.60	TP									
TP57	4.20	TP									

Notes: Prepared: 16/02/2011 13:55

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Table

A7

Exploratory Hole Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Construction Method	Sampling Method	In Situ Testing							
				Drilling Instrumentation	Menard Pressuremeter Testing	Self Boring Pressuremeter Testing	Geologging Survey	Verticality Survey	SPT Testing	Cone Penetration Testing	Cross-Hole Seismic Survey
TP58	3.20	TP	G								
TP60(BH)	5.00	TP	G								
TP62(BH)	6.00	TP	G								
TP65	3.20	TP									
TP66	1.70	TP									
TP67	2.00	TP									
TP68	3.60	TP									
TP69	2.40	TP	G								
TP70	2.10	TP									
TP71	1.50	TP									
TP72	4.30	TP	G								
TP73	3.60	TP	G								
TP74	2.60	TP									
TP75	3.60	TP									
TP76	2.50	TP									
TP 2009_14	1.60	TP	G								
TP 2009_15	4.50	TP	G								
TP 2009_16	4.50	TP	G								
TP 2009_17	2.70	TP	G								
TPN1	2.50	TP									
TPN2	0.70	TP									
TPN3	2.50	TP									
TPN4	2.50	TP									

Notes: Prepared: 16/02/2011 13:55

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table

A8

ENCLOSURE B
EXPLORATORY HOLE RECORDS: REPORT LOCATION SUMMARY

Exploratory Hole Records: Report Location Summary

Table B1 to B8

Exploratory Hole Records: Report Location Summary

Hole ID	Hole Depth, (m)	Hole Type	Report location
CBH 2009_1	120.00	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_1U	1.35	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_1UA	47.15	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_2	122.90	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_2U	4.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_2UA	44.65	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_3	58.50	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_4	55.15	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_4U	45.65	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_5	55.20	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_5U	1.80	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_5UA	2.45	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_5UB	45.15	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_6	55.50	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_6U	43.85	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_7	55.45	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_7U	48.15	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_8U	120.00	CP+RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_9U	55.10	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_10	55.40	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CBH 2009_11U	56.70	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
DBH 2009_1	120.50	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
DBH 2009_2	121.50	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
DBH 2009_20	48.00	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
MPM 2009_4A	50.40	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
MPM 2009_7A	48.00	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SBP 2009_1	81.90	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SBP 2009_2	125.80	RO+RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SBP 2009_3	84.70	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SBP 2009_4	84.10	RO+RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SD 2010_01	120.50	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SD 2010_03	120.50	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_1	45.65	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_2	45.65	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_3	45.95	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_4	48.05	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_5	48.05	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS

Notes: Prepared: 09/02/2011 13:48

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table

B1

Exploratory Hole Records: Report Location Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Type	Report location
SPT 2009_6	48.85	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_7	48.85	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_8	49.65	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_9	49.65	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_10	45.65	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_11	45.64	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
SPT 2009_12	47.25	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CPT 2009_6 RO	3.40	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CPT 2009_6A RO	2.90	RO	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CPT 2009_19 RC	12.00	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CPT 2009_21 RC	12.00	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
CPT 2009_38 RC	15.00	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GEO1_CPT1 RC	9.00	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GEO4_CPT4 RC	15.00	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GEO4_CPT5 RC	13.50	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GEO4_CPT6 RC	13.50	RC	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GEO3 BH1	20.45	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GEO3 BH2	20.45	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW1S	4.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW1D	16.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW2	16.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW3	14.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW4	10.70	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW5	20.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW5A	11.50	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW6S	5.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW6D	1.20	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW6DA	20.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW7	10.50	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW8	15.70	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW9S	6.20	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW9D	20.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW10	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW11S	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW11S1	6.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW11D	21.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW12	12.70	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS

Notes: Prepared: 09/02/2011 13:48

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table

B2

Exploratory Hole Records: Report Location Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Type	Report location
GW13	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW15	22.40	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW16D	20.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW17	11.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW18	12.20	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW19	12.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW20	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW21	13.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW22	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW23	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW24S	4.70	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
GW24D	16.20	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G1	1.50	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G1A	1.20	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G1B	15.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G2	9.60	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G2A	7.80	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G3	0.80	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G3A	0.90	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G3B	9.20	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G4	10.60	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G5	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
G6	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
BH1	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
BH2	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
BH4	10.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
BH6	15.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
BH7	17.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP1	4.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP2	1.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP3	4.20	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP4	4.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP6	1.30	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP7	4.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP8	4.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP9	2.80	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP11	0.90	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP12	1.80	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP13	0.80	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS

Notes: Prepared: 09/02/2011 13:48	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Table B3
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Exploratory Hole Records: Report Location Summary

Hole ID	Hole Depth, (m)	Hole Type	Report location
TP14	2.70	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP15	4.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP17	1.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP18	1.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP19	1.40	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP20	0.90	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP21	2.30	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP22	3.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP23	5.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP25	1.90	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP26	1.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP27	1.70	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP28	3.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP29	1.30	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP30	1.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP32(BH)	4.50	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP33	1.40	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP34	2.60	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP35	2.90	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP37(BH)	4.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP38	4.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP39	1.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP40	3.20	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP41	1.30	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP42	4.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP43	2.60	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP44	4.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP45	2.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP45A	3.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP46	4.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP47	4.20	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP48	2.80	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP50(BH)	5.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP51	3.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP52	4.20	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP53	3.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP54(BH)	5.00	CP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP55	1.30	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP55A	2.70	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS

Notes: Prepared: 09/02/2011 13:48	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Table B4
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Exploratory Hole Records: Report Location Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Type	Report location
TP56	2.60	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP57	4.20	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP58	3.20	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP60(BH)	5.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP62(BH)	5.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP65	3.20	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP66	1.70	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP67	2.00	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP68	3.60	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP69	2.40	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP70	2.10	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP71	1.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP72	4.30	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP73	3.60	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP74	2.60	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP75	3.60	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP76	2.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TPN1	2.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TPN2	0.70	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TPN3	2.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TPN4	2.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP 2009_14	1.60	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP 2009_15	4.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP 2009_16	4.50	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
TP 2009_17	2.70	TP	SM Report Volume 2A / 2B - EXPLORATORY HOLE RECORDS
MPM 2009_1	100.50	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_2	100.50	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_3	49.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_4	50.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_5	49.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_6	49.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_7	50.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_8	50.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_9	52.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_10	49.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_11	49.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_12	49.00	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
MPM 2009_13	100.60	RO	Fondasol Report Appendice A3 - MENARD PRESSUREMETER LOGS
DBH 2009_3	35.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS

Notes: Prepared: 09/02/2011 13:48	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Table B5
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Exploratory Hole Records: Report Location Summary



Hole ID	Hole Depth, (m)	Hole Type	Report location
DBH 2009_4	20.50	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_5	20.50	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_6	20.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_7	20.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_8	35.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_9	35.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_10	35.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_11	20.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_12	35.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_13	20.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_14	20.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
DBH 2009_15	20.00	RO	Fondasol Report Appendice A4 - DESTRUCTIVE BOREHOLE LOGS
CPT 2009_1	11.01	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_2	2.64	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_2A	15.19	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_3	16.82	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_4	15.35	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_8	12.13	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_9	15.37	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_10	11.29	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_11	8.86	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_12	8.25	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_13	4.58	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_13A	4.27	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_14	1.53	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_14A	7.73	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_15	7.55	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_16	15.92	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_17	14.09	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_18	14.21	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_19	1.52	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT19A	1.64	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
CPT19B	17.20	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
CPT19	1.63	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
CPT 2009_20	13.15	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT21	16.28	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
CPT 2009_22	12.60	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS

Notes: Prepared: 09/02/2011 13:48	Project Project No. Carried out for	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 NNB Generation Company Limited	Table B6
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Exploratory Hole Records: Report Location Summary



Hole ID	Hole Depth, (m)	Hole Type	Report location
CPT 2009_23	15.30	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_24	15.13	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_25	16.16	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_26A	5.72	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_26B	16.39	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_28	6.01	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_29	12.91	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_31	8.85	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_32	8.22	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_33	0.44	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_33A	0.71	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_33B	9.67	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_34	13.19	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_35	14.65	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_36	13.94	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_37	16.81	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_38	1.72	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT38	17.93	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
CPT 2009_39	15.36	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_40	15.62	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_41	16.04	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
CPT 2009_42	14.35	SCP	Geocone Report Enclosure A - CONE PENETRATION TEST RESULTS
GEO1_CPT1	0.96	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT1A	1.22	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT1B	1.77	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT1C	13.30	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT2	0.78	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT2A	17.66	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT3	16.15	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT4	15.22	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT5	15.26	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO1_CPT6	15.36	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO2_CPT1	1.51	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO2_CPT1A	15.06	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO2_CPT2	14.90	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO2_CPT3	15.09	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO2_CPT4	18.78	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS

Notes: Prepared: 09/02/2011 13:48

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table

B7

Exploratory Hole Records: Report Location Summary



Hole ID	Hole Depth, (m)	Hole Type	Report location
GEO2_CPT5	17.97	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO2_CPT6	18.52	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT1	16.81	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT2	16.27	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT3	17.02	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT4	3.49	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT4A	3.29	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT4B	0.00	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT5	0.00	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT5B	0.00	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT5A	0.00	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT6	0.00	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT6A	0.00	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS
GEO4_CPT6B	0.00	SCP	Lankelma Report Appendix B - CONE PENETRATION TEST RESULTS

Notes: Prepared: 09/02/2011 13:48

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Table

B8

**ENCLOSURE C
INSTALLATION SUMMARY**

Installation Summary

Table C1 to C4

Groundwater Installation Details



Soil Mechanics

Hole No	Installation Type	Date of Installation	Reference depth (mBGL)	Piezometer Diameter (mm)	Top of response zone (mBGL)	Base of response zone (mBGL)	Top of slotted pipe zone (mBGL)	Base of slotted pipe zone (mBGL)	Tubing Completion Details	Headworks	Remarks
CBH 2009_1	EPIE	29 Sep 2010	115.00	19	100.00	115.00	NA	NA	None	Raised cover	Pz2009_22
CBH 2009_5	SP	20 Jul 2010	0.00	74	12.00	40.00	12.00	40.00	Gas tap	Raised cover	Pz2009_15
CBH 2009_7	SP	21 Aug 2010	0.00	74	11.00	55.20	11.00	52.20	Gas tap	Raised cover	Pz2009_16
DBH 2009_1	SP	14 Jan 2011	120.50	74	NA	NA	NA	NA	Open	None	X-hole receiver liner
DBH 2009_2	SP	4 Feb 2011	120.80	74	NA	NA	NA	NA	Open	None	X-hole receiver liner
DBH 2009_3	SP	26 Oct 2010	0.00	74	13.00	35.00	13.50	35.00	Gas tap	Raised cover	Pz2009_1
DBH 2009_4	SP	4 Oct 2010	0.00	74	10.50	20.50	11.00	20.50	Gas tap	Raised cover	Pz2009_4
DBH 2009_5	SP	29 Sep 2010	0.00	74	11.00	20.50	11.50	20.50	Gas tap	Raised cover	Pz2009_5
DBH 2009_6	SP	12 Oct 2010	0.00	74	11.20	20.00	11.50	20.00	Gas tap	Raised cover	Pz2009_6
DBH 2009_7	SP	11 Oct 2010	0.00	74	13.50	20.00	14.00	20.00	Gas tap	Raised cover	Pz2009_7
DBH 2009_8	SP	30 Nov 2010	0.00	74	17.50	35.00	17.50	35.00	Gas tap	Raised cover	Pz2009_8
DBH 2009_9	SP	7 Dec 2010	0.00	74	18.00	35.00	18.50	35.00	Gas tap	Raised cover	Pz2009_9

Notes: Type: SP - Standpipe, SPIE - Standpipe Piezometer, HPIE - Hydraulic Piezometer, PPIE - Pneumatic Piezometer, EPIE - Electronic Piezometer Prepared: 28/03/2011 10:56

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Table **C1**

Groundwater Installation Details



Soil Mechanics

Hole No	Installation Type	Date of Installation	Reference depth (mBGL)	Piezometer Diameter (mm)	Top of response zone (mBGL)	Base of response zone (mBGL)	Top of slotted pipe zone (mBGL)	Base of slotted pipe zone (mBGL)	Tubing Completion Details	Headworks	Remarks	
DBH 2009_10	SP	29 Nov 2010	0.00	74	16.00	35.00	16.50	35.00	Gas tap	Raised cover	Pz2009_10	
DBH 2009_11	SP	16 Oct 2010	0.00	74	15.50	20.00	15.70	19.70	Gas tap	Raised cover	Pz2009_11	
DBH 2009_12	SP	1 Apr 2007	0.00	74	13.50	35.00	14.00	35.00	Gas tap	Raised cover	Pz2009_12	
DBH 2009_13	SP	6 Oct 2010	0.00	74	9.40	20.00	10.00	20.00	Gas tap	Raised cover	Pz2009_13	
DBH 2009_14	SP	14 Oct 2010	0.00	74	9.50	20.00	10.00	20.00	Gas tap	Raised cover	Pz2009_14	
DBH 2009_15	SP	22 Sep 2010	0.00	74	10.00	20.00	10.00	20.00	Gas tap	Raised cover	Pz2009_17	
DBH 2009_20	SP	23 Jul 2010	0.00	300	15.00	40.00	15.00	40.00	None	None	Pumping well	
MPM 2009_2	EPIE	3 Oct 2010	95.00	19	85.00	95.00	NA	NA	None	Raised cover	Pz2009_23	
MPM 2009_4A	SP	14 Dec 2010	0.00	74	10.60	49.65	11.00	44.00	Gas tap	Raised cover	Pz2009_3	
MPM 2009_7A	SP	6 Jan 2011	0.00	74	12.50	48.00	13.00	43.00	Gas tap	Raised cover	Pz2009_2	
SBP 2009_2	SP	27 Jan 2011	120.70	90	NA	NA	NA	NA	None	None	X-hole source liner	
GW1D	SP	12 Oct 2010	0.00	74	8.80	16.00	9.00	16.00	Gas tap	Raised cover		
GW1S	SP	13 Oct 2010	0.00	74	0.80	3.50	1.00	3.40	Gas tap	Raised cover		
Notes: Type: SP - Standpipe, SPIE - Standpipe Piezometer, HPIE - Hydraulic Piezometer, PPIE - Pneumatic Piezometer, EPIE - Electronic Piezometer Prepared: 28/03/2011 10:56			Project Project No. A0012-10 Carried out for NNB Generation Company Limited					Table C2				

Groundwater Installation Details



Soil Mechanics

Hole No	Installation Type	Date of Installation	Reference depth (mBGL)	Piezometer Diameter (mm)	Top of response zone (mBGL)	Base of response zone (mBGL)	Top of slotted pipe zone (mBGL)	Base of slotted pipe zone (mBGL)	Tubing Completion Details	Headworks	Remarks
GW2	SP	16 Oct 2010	0.00	74	8.80	16.00	9.00	16.00	Gas tap	Raised cover	
GW3	SP	4 Oct 2010	0.00	74	6.90	13.90	6.90	13.90	Gas tap	Raised cover	
GW4	SP	20 Oct 2010	0.00	74	3.50	10.70	3.70	10.70	Gas tap	Raised cover	Pz2009_20
GW5A	SP	30 Sep 2010	0.00	74	4.10	11.30	4.30	11.30	Gas tap	Raised cover	Pz2009_19
GW6DA	SP	2 Oct 2010	0.00	74	7.30	13.70	7.50	13.50	Gas tap	Raised cover	Pz2009_18
GW6S	SP	7 Oct 2010	0.00	74	0.60	4.70	1.00	4.70	Gas tap	Raised cover	
GW7	SP	28 Jul 2010	0.00	74	0.40	7.00	0.60	6.80	Gas tap	Raised cover	
GW8	SP	14 Dec 2010	0.00	74	4.30	10.30	4.30	10.00	Gas tap	Raised cover	
GW9D	SP	4 Sep 2010	0.00	74	12.00	18.50	12.30	18.30	Gas tap	Raised cover	
GW9S	SP	5 Sep 2010	0.00	74	1.00	6.00	1.20	5.80	Gas tap	Raised cover	
GW10	SP	29 Jul 2010	0.00	74	0.40	5.00	0.60	4.80	Gas tap	Raised cover	
GW11D	SP	24 Jul 2010	0.00	74	6.00	20.00	10.50	19.70	Gas tap	Raised cover	
GW11S	SP	20 Jul 2010	0.00	74	6.00	9.00	6.30	8.70	Gas tap	Raised cover	
GW11S1	SP	25 Jul 2010	0.00	74	0.40	5.00	0.50	4.70	Gas tap	Raised cover	
GW12	SP	7 Dec 2010	0.00	74	5.40	12.60	5.60	12.60	Gas tap	Raised cover	
GW13	SP	10 Sep 2010	0.00	74	1.00	6.50	1.20	6.30	Gas tap	Raised cover	
GW15	SP	9 Aug 2010	0.00	74	0.60	4.20	0.80	4.00	Gas tap	Raised cover	
GW16D	SP	19 Aug 2010	0.00	74	3.80	10.30	4.00	10.00	Gas tap	Raised cover	
GW17	SP	29 Oct 2010	0.00	74	3.20	10.40	3.40	10.40	Gas tap	Raised cover	
GW18	SP	15 Mar 2011	0.00	74	4.80	12.20	5.00	12.00	Gas tap	Raised cover	

Notes: Type: SP - Standpipe, SPIE - Standpipe Piezometer, HPIE - Hydraulic Piezometer, PPIE - Pneumatic Piezometer, EPIE - Electronic Piezometer Prepared: 28/03/2011 10:56

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Table **C3**

Groundwater Installation Details



Soil Mechanics

Hole No	Installation Type	Date of Installation	Reference depth (mBGL)	Piezometer Diameter (mm)	Top of response zone (mBGL)	Base of response zone (mBGL)	Top of slotted pipe zone (mBGL)	Base of slotted pipe zone (mBGL)	Tubing Completion Details	Headworks	Remarks
GW19	SP	10 Mar 2011	0.00	74	3.60	10.50	3.80	10.30	Gas tap	Raised cover	Pz2009_21
GW20	SP	19 Oct 2010	0.00	74	0.80	7.00	1.00	7.00	Gas tap	Raised cover	
GW21	SP	26 Aug 2010	0.00	74	5.40	12.70	5.70	12.70	Gas tap	Raised cover	
GW22	SP	1 Sep 2010	0.00	74	0.80	8.20	1.00	8.00	Gas tap	Raised cover	
GW23	SP	21 Oct 2010	0.00	74	0.80	7.20	1.00	7.00	Gas tap	Raised cover	
GW24D	SP	28 Oct 2010	0.00	74	10.00	16.20	10.20	16.20	Gas tap	Raised cover	
GW24S	SP	29 Oct 2010	0.00	74	0.60	4.50	1.00	4.30	Gas tap	Raised cover	
G1B	SP	22 Nov 2010	0.00	74	0.80	7.40	1.20	7.20	Gas tap	Raised cover	
G2A	SP	7 Aug 2010	0.00	74	4.40	7.60	4.60	7.60	Gas tap	Raised cover	
G3B	SP	24 Aug 2010	0.00	74	4.10	7.00	4.30	6.80	Gas tap	Raised cover	
G4	SP	18 Aug 2010	0.00	74	5.90	8.90	5.40	8.80	Gas tap	Raised cover	
G5	SP	13 Oct 2010	0.00	74	1.30	5.60	1.50	5.50	Gas tap	Raised cover	
G6	SP	1 Apr 2007	0.00	74	0.80	5.50	1.00	5.30	Gas tap	Raised cover	

Notes: Type: SP - Standpipe, SPIE - Standpipe Piezometer, HPIE - Hydraulic Piezometer, PPIE - Pneumatic Piezometer, EPIE - Electronic Piezometer Prepared: 28/03/2011 10:56

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Table

C4

ENCLOSURE D
GROUNDWATER MONITORING

Manual Groundwater Monitoring	D1.1 to D1.4
Barometric Correction Summary	D2
Groundwater Level Data Summary (mbgl)	D3
Groundwater Level Data Summary (Reduced Level)	D4

Manual Groundwater Monitoring



Soil Mechanics

Hole ID	Instrument Type	Base of Instrument (mBGL)	Borehole Elevation (m)	Headworks elevation (m)	Reading		
					Date	Time (hhmmss)	Remarks
CBH 2009_5	SP	40.00	1.28	2.27	20 Aug 2010	120000	Pz2009_15
CBH 2009_5	SP	40.00	1.28	2.27	14 Sep 2010	133000	Pz2009_15
CBH 2009_5	SP	40.00	1.28	2.27	12 Oct 2010	113000	Pz2009_15
CBH 2009_5	SP	40.00	1.28	2.27	22 Nov 2010	130000	Pz2009_15
CBH 2009_5	SP	40.00	1.28	2.27	15 Dec 2010	100000	Pz2009_15
CBH 2009_5	SP	40.00	1.28	2.27	9 Feb 2011	060500	Pz2009_15
CBH 2009_5	SP	40.00	1.28	2.27	8 Mar 2011	161000	Pz2009_15
CBH 2009_7	SP	55.20	3.58	4.58	10 Nov 2010	160000	Pz2009_16
CBH 2009_7	SP	55.20	3.58	4.58	15 Dec 2010	110000	Pz2009_16
CBH 2009_7	SP	55.20	3.58	4.58	8 Feb 2011	200000	Pz2009_16
CBH 2009_7	SP	55.20	3.58	4.58	8 Mar 2011	163000	Pz2009_16
DBH 2009_3	SP	35.00	1.68	2.76	10 Mar 2011	170000	Pz2009_1
DBH 2009_4	SP	20.50	1.47	2.55	23 Nov 2010	093000	Pz2009_4
DBH 2009_4	SP	20.50	1.47	2.55	13 Dec 2010	130000	Pz2009_4
DBH 2009_4	SP	20.50	1.47	2.55	8 Feb 2011	170000	Pz2009_4
DBH 2009_4	SP	20.50	1.47	2.55	9 Mar 2011	170000	Pz2009_4
DBH 2009_5	SP	20.50	1.41	2.43	23 Nov 2010	093000	Pz2009_5
DBH 2009_5	SP	20.50	1.41	2.43	13 Dec 2010	130000	Pz2009_5
DBH 2009_5	SP	20.50	1.41	2.43	10 Mar 2011	163000	Pz2009_5
DBH 2009_6	SP	20.00	1.51	2.59	22 Nov 2010	123000	Pz2009_6
DBH 2009_6	SP	20.00	1.51	2.59	15 Dec 2010	100000	Pz2009_6
DBH 2009_6	SP	20.00	1.51	2.59	9 Mar 2011	163000	Pz2009_6
DBH 2009_7	SP	20.00	1.69	2.51	22 Nov 2010	153000	Pz2009_7
DBH 2009_7	SP	20.00	1.69	2.51	15 Dec 2010	093000	Pz2009_7
DBH 2009_7	SP	20.00	1.69	2.51	9 Mar 2011	160000	Pz2009_7
DBH 2009_8	SP	35.00	1.67	2.69	10 Mar 2011	170000	Pz2009_8
DBH 2009_9	SP	35.00	1.84	2.78	9 Mar 2011	163000	Pz2009_9
DBH 2009_10	SP	35.00	1.78	2.83	9 Mar 2011	170000	Pz2009_10
DBH 2009_10	SP	35.00	1.78	2.83	31 Mar 2011	113000	Pz2009_10
DBH 2009_11	SP	20.00	3.25	4.38	29 Mar 2011	133000	Pz2009_11
DBH 2009_12	SP	35.00	1.57	2.70	9 Mar 2011	163000	Pz2009_12
DBH 2009_13	SP	20.00	2.05	2.83	23 Nov 2010	103000	Pz2009_13
DBH 2009_13	SP	20.00	2.05	2.83	15 Dec 2010	103000	Pz2009_13
DBH 2009_13	SP	20.00	2.05	2.83	10 Mar 2011	170000	Pz2009_13
DBH 2009_14	SP	20.00	6.27	7.35	23 Nov 2010	103000	Pz2009_14
DBH 2009_14	SP	20.00	6.27	7.35	15 Dec 2010	103000	Pz2009_14
DBH 2009_14	SP	20.00	6.27	7.35	10 Mar 2011	170000	Pz2009_14
DBH 2009_15	SP	20.00	6.04	7.08	14 Oct 2010	143000	Pz2009_17
DBH 2009_15	SP	20.00	6.04	7.08	8 Nov 2010	120000	Pz2009_17
DBH 2009_15	SP	20.00	6.04	7.08	11 Dec 2010	150000	Pz2009_17
DBH 2009_15	SP	20.00	6.04	7.08	8 Feb 2011	100000	Pz2009_17
DBH 2009_15	SP	20.00	6.04	7.08	11 Mar 2011	140000	Pz2009_17

Notes: Type: SP - Standpipe, SPIE - Standpipe Piezometer, HPIE - Hydraulic Piezometer, PPIE - Pneumatic Piezometer, EPIE - Vibrating Wire Piezometer, PWEL - Pumping Well

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

D1.1

Manual Groundwater Monitoring



Soil Mechanics

Hole ID	Instrument Type	Base of Instrument (mBGL)	Borehole Elevation (m)	Headworks elevation (m)	Reading		
					Date	Time (hhmmss)	Remarks
GW11S1	SP	4.70	1.50	2.52	6 Aug 2010	143000	
GW11S1	SP	4.70	1.50	2.52	14 Sep 2010	130000	
GW11S1	SP	4.70	1.50	2.52	12 Oct 2010	090000	
GW11S1	SP	4.70	1.50	2.52	22 Nov 2010	153000	
GW11S1	SP	4.70	1.50	2.52	15 Dec 2010	093000	
GW11S1	SP	4.70	1.50	2.52	8 Feb 2011	030000	
GW11S1	SP	4.70	1.50	2.52	7 Mar 2011	113000	
GW1D	SP	16.00	13.19	14.35	15 Dec 2010	110000	
GW1D	SP	16.00	13.19	14.35	8 Feb 2011	103000	
GW1D	SP	16.00	13.19	14.35	11 Mar 2011	133000	
GW2	SP	16.00	13.07	13.87	15 Dec 2010	110000	
GW2	SP	16.00	13.07	13.87	8 Feb 2011	103000	
GW2	SP	16.00	13.07	13.87	11 Mar 2011	133000	
GW3	SP	13.90	10.51	11.59	14 Oct 2010	144500	
GW3	SP	13.90	10.51	11.59	11 Dec 2010	150000	
GW3	SP	13.90	10.51	11.59	8 Feb 2011	093000	
GW3	SP	13.90	10.51	11.59	11 Mar 2011	140000	
GW4	SP	10.70	7.17	8.13	11 Dec 2010	150000	Pz2009_20
GW4	SP	10.70	7.17	8.13	8 Feb 2011	100000	Pz2009_20
GW4	SP	10.70	7.17	8.13	11 Mar 2011	163000	Pz2009_20
GW5A	SP	11.30	7.00	8.13	14 Oct 2010	150000	Pz2009_19
GW5A	SP	11.30	7.00	8.13	8 Nov 2010	120000	Pz2009_19
GW5A	SP	11.30	7.00	8.13	11 Dec 2010	150000	Pz2009_19
GW5A	SP	11.30	7.00	8.13	8 Feb 2011	100000	Pz2009_19
GW5A	SP	11.30	7.00	8.13	11 Mar 2011	140000	Pz2009_19
GW6DA	SP	13.50	0.71	1.84	25 Mar 2011	130000	Pz2009_18
GW6DA	SP	13.50	0.71	1.84	24 Nov 2011	143000	Pz2009_18
GW6DA	SP	13.50	0.71	1.84	15 Dec 2011	100000	Pz2009_18
GW6S	SP	4.70	0.70	1.77	24 Nov 2010	143000	
GW6S	SP	4.70	0.70	1.77	15 Dec 2010	100000	
GW6S	SP	4.70	0.70	1.77	25 Mar 2011	130000	
GW7	SP	6.80	1.89	2.94	20 Aug 2010	123000	
GW7	SP	6.80	1.89	2.94	22 Aug 2010	090000	
GW7	SP	6.80	1.89	2.94	14 Sep 2010	133000	
GW7	SP	6.80	1.89	2.94	12 Oct 2010	093000	
GW7	SP	6.80	1.89	2.94	24 Nov 2010	143000	
GW7	SP	6.80	1.89	2.94	15 Dec 2010	100000	
GW7	SP	6.80	1.89	2.94	8 Feb 2011	050000	
GW7	SP	6.80	1.89	2.94	7 Mar 2011	123000	
GW8	SP	10.00	7.27	8.36	8 Feb 2011	030000	
GW8	SP	10.00	7.27	8.36	7 Mar 2011	133000	
GW9D	SP	18.30	3.06	4.05	8 Nov 2010	110000	

Notes: Type: SP - Standpipe, SPIE - Standpipe Piezometer, HPIE - Hydraulic Piezometer, PPIE - Pneumatic Piezometer, EPIE - Vibrating Wire Piezometer, PWEL - Pumping Well

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

D1.2

Manual Groundwater Monitoring



Soil Mechanics

Hole ID	Instrument Type	Base of Instrument (mBGL)	Borehole Elevation (m)	Headworks elevation (m)	Reading		
					Date	Time (hhmmss)	Remarks
GW9D	SP	18.30	3.06	4.05	13 Dec 2010	103000	
GW9D	SP	18.30	3.06	4.05	8 Feb 2011	023000	
GW9D	SP	18.30	3.06	4.05	13 Mar 2011	130000	
GW9S	SP	5.80	3.05	4.03	12 Oct 2010	113000	
GW9S	SP	5.80	3.05	4.03	8 Nov 2010	110000	
GW9S	SP	5.80	3.05	4.03	13 Dec 2010	103000	
GW9S	SP	5.80	3.05	4.03	8 Feb 2011	023000	
GW9S	SP	5.80	3.05	4.03	13 Mar 2011	130000	
GW10	SP	4.80	1.76	2.93	20 Aug 2010	123000	
GW10	SP	4.80	1.76	2.93	22 Aug 2010	093000	
GW10	SP	4.80	1.76	2.93	12 Oct 2010	093000	
GW10	SP	4.80	1.76	2.93	23 Nov 2010	093000	
GW10	SP	4.80	1.76	2.93	15 Dec 2010	100000	
GW10	SP	4.80	1.76	2.93	8 Feb 2011	023000	
GW10	SP	4.80	1.76	2.93	7 Mar 2011	133000	
GW11S	SP	8.70	1.48	2.57	6 Aug 2010	110000	
GW11S	SP	8.70	1.48	2.57	19 Aug 2010	150000	
GW11S	SP	8.70	1.48	2.57	14 Sep 2010	130000	
GW11S	SP	8.70	1.48	2.57	12 Oct 2010	090000	
GW11S	SP	8.70	1.48	2.57	22 Nov 2010	153000	
GW11S	SP	8.70	1.48	2.57	15 Dec 2010	093000	
GW11S	SP	8.70	1.48	2.57	8 Feb 2011	030000	
GW11S	SP	8.70	1.48	2.57	7 Mar 2011	113000	
GW11D	SP	19.70	1.48	2.58	6 Aug 2010	110000	
GW11D	SP	19.70	1.48	2.58	19 Aug 2010	150000	
GW11D	SP	19.70	1.48	2.58	14 Sep 2010	130000	
GW11D	SP	19.70	1.48	2.58	12 Oct 2010	090000	
GW11D	SP	19.70	1.48	2.58	22 Nov 2010	153000	
GW11D	SP	19.70	1.48	2.58	15 Dec 2010	093000	
GW11D	SP	19.70	1.48	2.58	8 Feb 2011	030000	
GW11D	SP	19.70	1.48	2.58	7 Mar 2011	113000	
GW12	SP	12.60	8.58	9.54	8 Feb 2011	023000	
GW12	SP	12.60	8.58	9.54	13 Mar 2011	133000	
GW13	SP	6.30	3.19	4.23	12 Oct 2010	120000	
GW13	SP	6.30	3.19	4.23	8 Nov 2010	110000	
GW13	SP	6.30	3.19	4.23	13 Dec 2010	110000	
GW13	SP	6.30	3.19	4.23	8 Feb 2011	020000	
GW13	SP	6.30	3.19	4.23	29 Mar 2011	133000	
GW15	SP	4.00	1.58	2.56	14 Sep 2010	143000	
GW15	SP	4.00	1.58	2.56	12 Oct 2010	100000	
GW15	SP	4.00	1.58	2.56	23 Nov 2010	100000	
GW15	SP	4.00	1.58	2.56	15 Dec 2010	103000	

Notes: Type: SP - Standpipe, SPIE - Standpipe Piezometer, HPIE - Hydraulic Piezometer, PPIE - Pneumatic Piezometer, EPIE - Vibrating Wire Piezometer, PWEL - Pumping Well

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

D1.3

Manual Groundwater Monitoring



Soil Mechanics

Hole ID	Instrument Type	Base of Instrument (mBGL)	Borehole Elevation (m)	Headworks elevation (m)	Reading		
					Date	Time (hhmmss)	Remarks
GW15	SP	4.00	1.58	2.56	8 Feb 2011	020000	
GW15	SP	4.00	1.58	2.56	7 Mar 2011	140000	
GW16D	SP	10.00	6.48	7.36	12 Oct 2010	120000	
GW16D	SP	10.00	6.48	7.36	23 Nov 2010	100000	
GW16D	SP	10.00	6.48	7.36	15 Dec 2010	103000	
GW16D	SP	10.00	6.48	7.36	8 Feb 2011	020000	
GW16D	SP	10.00	6.48	7.36	8 Mar 2011	110000	
GW20	SP	7.00	2.72	3.74	11 Dec 2010	140000	
GW20	SP	7.00	2.72	3.74	15 Dec 2010	113000	
GW20	SP	7.00	2.72	3.74	8 Feb 2011	110000	
GW20	SP	7.00	2.72	3.74	8 Mar 2011	120000	
GW21	SP	12.70	8.73	9.94	14 Oct 2010	150000	
GW21	SP	12.70	8.73	9.94	8 Nov 2010	123000	
GW21	SP	12.70	8.73	9.94	11 Dec 2010	143000	
GW21	SP	12.70	8.73	9.94	8 Feb 2011	110000	
GW21	SP	12.70	8.73	9.94	8 Mar 2011	130000	
GW22	SP	8.00	3.22	4.41	14 Oct 2010	150000	
GW22	SP	8.00	3.22	4.41	8 Nov 2010	123000	
GW22	SP	8.00	3.22	4.41	11 Dec 2010	143000	
GW22	SP	8.00	3.22	4.41	8 Feb 2011	110000	
GW22	SP	8.00	3.22	4.41	8 Mar 2011	123000	
GW23	SP	7.00	2.21	3.27	11 Dec 2010	143000	
GW23	SP	7.00	2.21	3.27	15 Dec 2010	113000	
GW23	SP	7.00	2.21	3.27	8 Feb 2011	110000	
GW23	SP	7.00	2.21	3.27	8 Mar 2011	123000	
GW24D	SP	16.20	1.44	2.49	10 Nov 2010	153000	
GW24D	SP	16.20	1.44	2.49	15 Dec 2010	093000	
GW24D	SP	16.20	1.44	2.49	9 Mar 2011	160000	
GW24S	SP	4.30	1.52	2.50	10 Nov 2010	153000	
GW24S	SP	4.30	1.52	2.50	15 Dec 2010	093000	
GW24S	SP	4.30	1.52	2.50	9 Mar 2011	160000	
G2A	SP	7.60	1.53	2.58	20 Aug 2010	113000	
G2A	SP	7.60	1.53	2.58	14 Sep 2010	130000	
G2A	SP	7.60	1.53	2.58	12 Oct 2010	090000	
G2A	SP	7.60	1.53	2.58	24 Nov 2010	143000	
G3B	SP	6.80	1.58	2.72	12 Oct 2010	113000	
G3B	SP	6.80	1.58	2.72	22 Nov 2010	130000	
G4	SP	8.90	2.01	2.97	12 Oct 2010	100000	
G4	SP	8.90	2.01	2.97	23 Nov 2010	100000	

Notes: Type: SP - Standpipe, SPIE - Standpipe Piezometer, HPIE - Hydraulic Piezometer, PPIE - Pneumatic Piezometer, EPIE - Vibrating Wire Piezometer, PWEL - Pumping Well

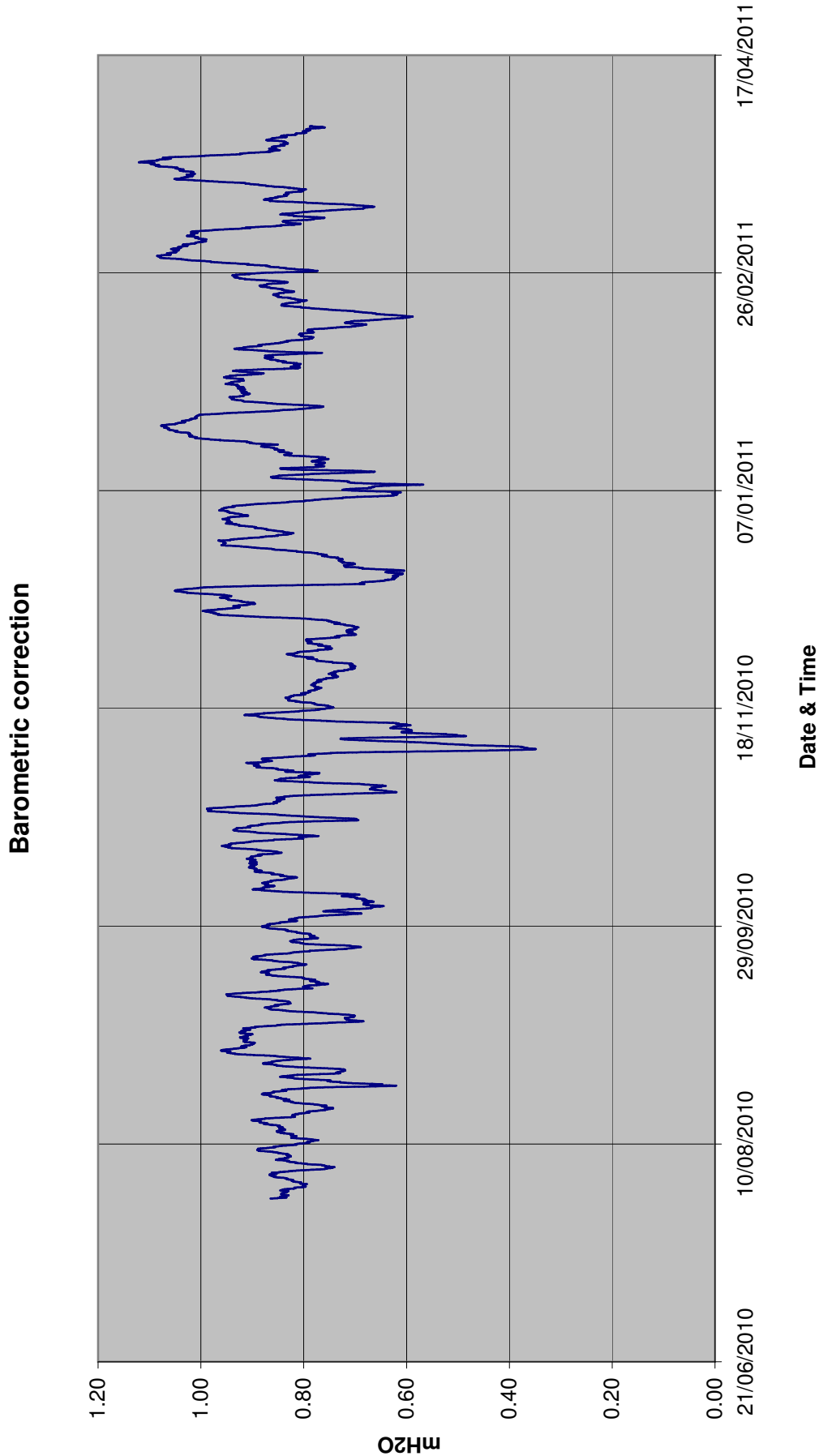
Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

D1.4

Barometric Correction Summary



Soil Mechanics



Notes:

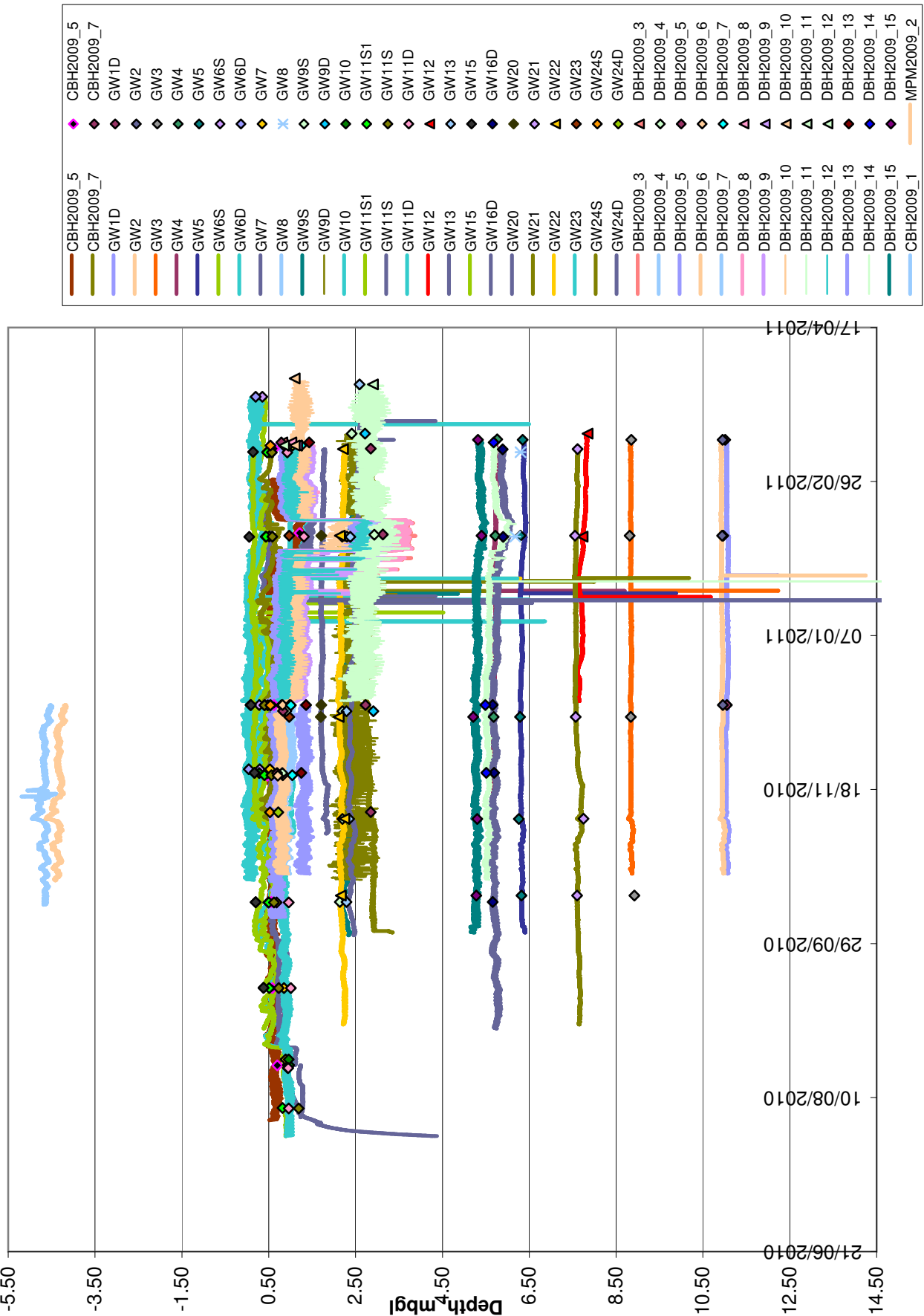
Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

D2

Groundwater Level Data Summary (mbgl)



Soil Mechanics



Notes: Data spikes indicate removal / addition of instrumentation from borehole installations

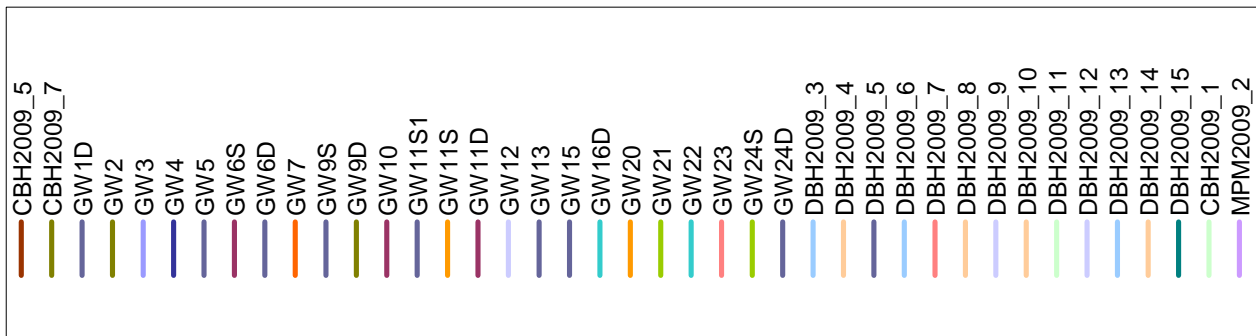
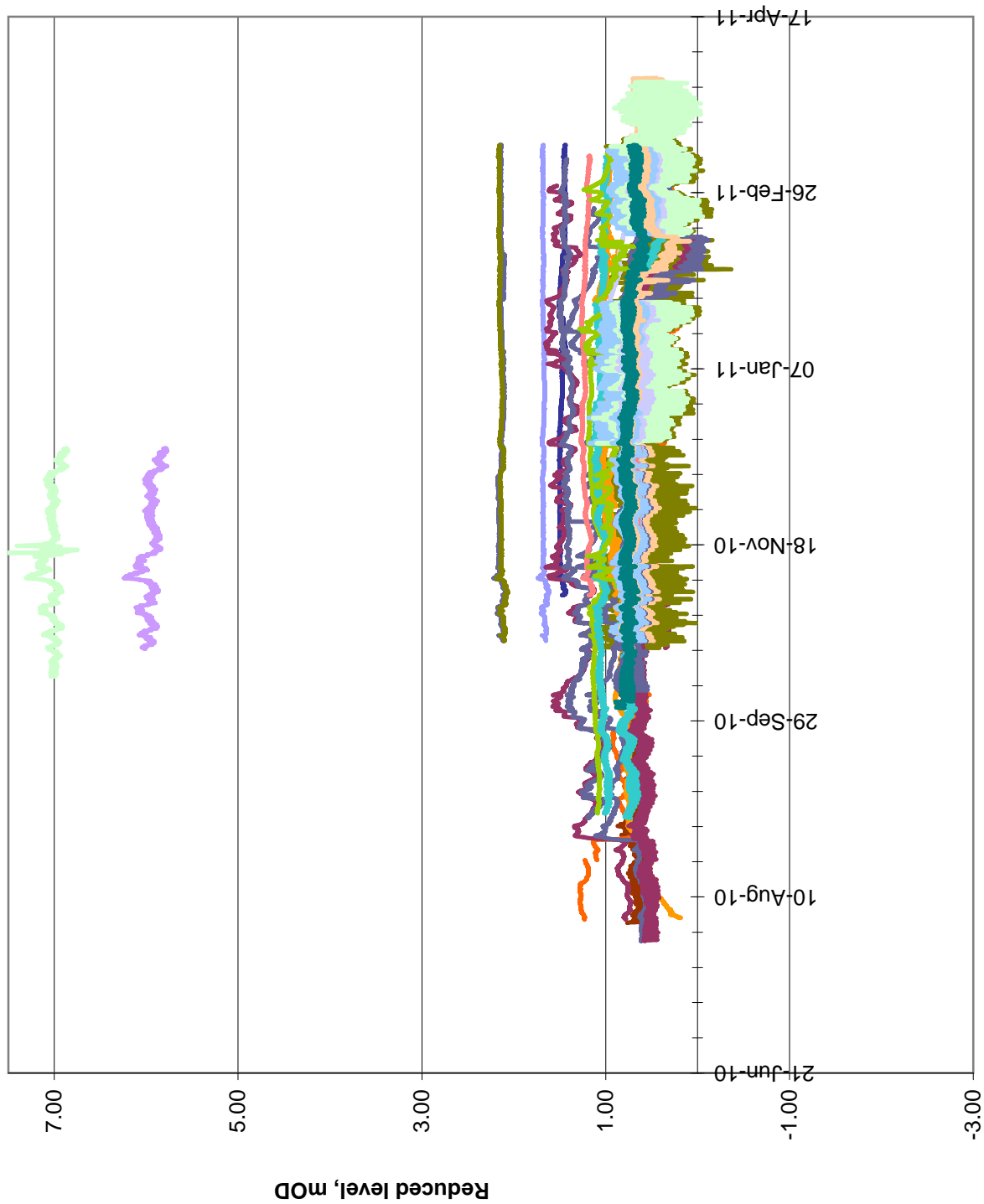
Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

D3

Groundwater Level Data Summary (Reduced Level)



Soil Mechanics



Notes: Data edited to remove spikes relating to removal / addition of instrumentation from borehole installations

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

D4

ENCLOSURE E
SITE LOCATION PLAN

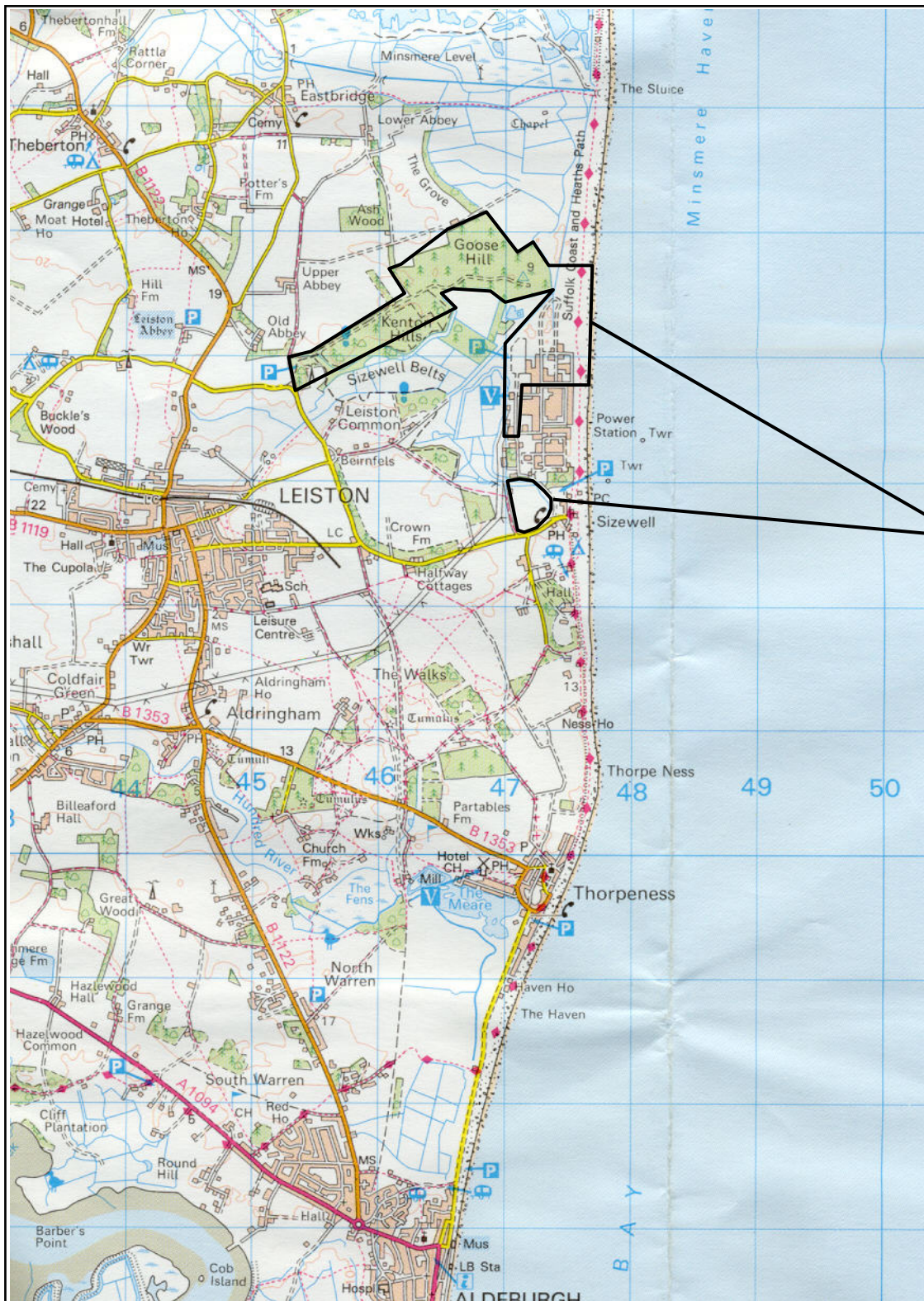
Site Location Plan

E1

Site Location Plan



Soil Mechanics



**THE
SITE**

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Notes:
Scale 1:50 000

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Figure

E1

ENCLOSURE F
EXPLORATORY HOLE LOCATION SUMMARY

Exploratory Hole Location Summary

Table F1 to F5

Exploratory Hole Location Summary



	Location	Easting	Northing	Elevation (GL)	
	BH1	645996.945	264351.592	11.125	
	BH2	646522.426	264630.366	7.894	
	BH4	647170.971	264496.805	2.108	
	BH6	647529.127	264215.302	8.552	
	BH7	647538.229	263997.569	8.290	
	CBH2009_1U	647216.153	263968.283	2.361	
	CBH2009_1UA	647213.634	263960.154	2.538	
	CBH2009_1	647219.707	263971.35	2.351	
	CBH2009_2	647217.852	264201.454	1.592	
	CBH2009_2U	647219.888	264196.132	1.624	
	CBH2009_2UA	647220.742	264197.424	1.580	
	CBH2009_3	647427.003	264409.602	11.837	
	CBH2009_4	647220.134	264306.218	1.787	
	CBH2009_4U	647222.055	264306.964	1.808	
	CBH2009_5U	647186.766	264183.999	1.307	
	CBH2009_5UA	647188.276	264184.670	1.293	
	CBH2009_5UB	647189.957	264185.321	1.334	
	CBH2009_5	647191.084	264180.505	1.281	
	CBH2009_6	647062.259	264089.733	1.636	
	CBH2009_6U	647065.668	264093.409	1.673	
	CBH2009_7U	647056.510	263869.577	3.751	
	CBH2009_7	647059.023	263871.802	3.583	
	CBH2009_8U	647594.391	264210.926	3.472	
	CBH2009_9U	647021.038	264605.602	9.809	
	CBH2009_10	647088.455	263719.626	6.115	
	CBH2009_11U	647126.221	262801.232	8.715	
	CPT2009_1	647122.842	264470.936	1.921	
	CPT2009_2	647218.773	264231.870	1.638	
	CPT2009_2A	647217.059	264233.117	1.614	
	CPT2009_3	647043.634	264087.000	1.705	
	CPT2009_4	647044.267	263930.392	2.946	
	CPT2009_6	647088.912	263724.506	6.143	
	CPT2009_6A	647088.964	263726.985	6.146	
	CPT2009_8	646922.850	264542.456	3.262	
	CPT2009_9	646803.396	264605.709	7.238	
	CPT2009_10	646678.839	264750.582	5.599	
	CPT2009_11	647128.072	264528.961	5.694	
	CPT2009_12	646952.166	264782.416	8.485	
	CPT2009_13	646435.985	264585.340	1.951	
	CPT2009_13A	646434.410	264586.101	1.880	
	CPT2009_14	646009.813	264337.056	11.051	
	CPT2009_14A	646010.520	264337.763	11.044	
	CPT2009_15	645590.906	264084.800	6.703	
	CPT2009_16	645309.286	263829.963	12.558	
	CPT2009_17	647041.111	264623.266	10.515	
	CPT2009_18	647100.838	264734.061	6.465	
	CPT2009_19B	647359.219	264330.761	7.444	
	CPT2009_20	647125.484	264625.877	8.616	
	CPT2009_21	647442.631	264377.492	7.319	
	CPT2009_22	647284.061	264372.479	1.459	
	CPT2009_23	647218.113	264181.267	1.636	
	CPT2009_24	647100.613	264164.656	1.556	
	CPT2009_25	647106.989	263989.828	3.512	
	CPT2009_26	647100.605	263896.549	2.693	
	CPT2009_26A	647100.612	263896.366	2.694	
	CPT2009_26B	647100.675	263896.717	2.695	
	CPT2009_28	647172.809	263810.920	3.148	
	CPT2009_29	647249.462	263818.292	6.423	
	CPT2009_29A	647261.616	263806.385	6.261	
	CPT2009_29B	647260.276	263806.506	6.251	
	CPT2009_31	647408.173	263804.995	6.397	
	CPT2009_32	647472.783	263807.747	6.401	
Notes	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE			Figure	
	Project No A0012-10			F1	
	Carried out for NNB Generation Company Limited				

Exploratory Hole Location Summary



	Location	Easting	Northing	Elevation (GL)
	CPT2009_33	647472.817	263899.568	6.509
	CPT2009_33A	647473.843	263899.633	6.508
	CPT2009_33B	647475.332	263899.446	6.541
	CPT2009_34	647465.559	263996.115	2.001
	CPT2009_35	647475.321	264118.171	3.857
	CPT2009_36	647474.249	264231.422	2.042
	CPT2009_37	647468.790	264291.335	2.423
	CPT2009_38	647473.581	264377.898	8.479
	CPT2009_39	647331.642	264109.626	1.666
	CPT2009_40	647365.291	264105.910	1.705
	CPT2009_41	647348.542	264095.049	1.772
	CPT2009_42	647334.455	264082.721	1.609
	DBH2009_1	647206.181	264198.575	1.500
	DBH2009_2	647201.848	264198.655	1.548
	DBH2009_3	647330.260	264100.008	1.684
	DBH2009_4	647320.940	264094.595	1.468
	DBH2009_5	647304.502	264094.429	1.414
	DBH2009_6	647248.606	264095.262	1.513
	DBH2009_7	647087.879	264094.451	1.694
	DBH2009_8	647339.203	264094.842	1.674
	DBH2009_9	647357.017	264095.023	1.839
	DBH2009_10	647411.130	264094.980	1.784
	DBH2009_11	647559.581	264095.188	3.253
	DBH2009_12	647329.983	264069.761	1.572
	DBH2009_13	647329.628	263969.385	2.052
	DBH2009_14	647330.173	263846.450	6.270
	DBH2009_15	647156.156	264673.542	6.036
	DBH2009_20	647329.976	264094.779	1.886
	G1	647333.731	264325.219	7.095
	G1_A	647332.633	264325.651	7.097
	G1_B	647331.905	264325.670	7.138
	G2	647152.735	264251.806	1.458
	G2_A	647154.027	264250.768	1.534
	G3	647255.253	264165.645	1.578
	G3_A	647256.279	264166.962	1.596
	G3_B	647256.773	264168.253	1.582
	G4	647416.580	263987.343	2.007
	G5	647361.777	263891.503	6.150
	G6	647529.357	263829.261	10.249
	GEO1_CPT1	647235.804	263940.997	2.525
	GEO1_CPT1A	647234.401	263941.484	2.537
	GEO1_CPT1B	647235.202	263941.021	2.659
	GEO1_CPT2	647228.070	263979.938	2.121
	GEO1_CPT2A	647228.172	263976.872	2.156
	GEO1_CPT3	647229.794	264020.355	1.641
	GEO1_CPT4	647229.465	264086.636	1.496
	GEO1_CPT5	647229.982	264119.493	1.606
	GEO1_CPT6	647230.307	264169.961	1.609
	GEO2_CPT1	647377.544	263966.549	2.890
	GEO2_CPT1A	647235.804	263940.997	2.525
	GEO2_CPT2	647387.929	264022.283	1.932
	GEO2_CPT3	647404.211	264099.032	1.762
	GEO2_CPT4	647411.746	264130.038	1.711
	GEO2_CPT5	647418.908	264164.105	1.835
	GEO2_CPT6	647427.754	264206.541	1.918
	GEO3_BH1	647313.422	264214.659	1.319
	GEO3_BH2	647395.310	264077.399	1.669
	GEO4_CPT1	647569.208	264040.208	3.186
	GEO4_CPT2	647568.555	264090.043	3.284
	GEO4_CPT3	647573.053	264139.143	3.215
	GEO4_CPT4	647577.098	264186.972	3.269
	GEO4_CPT4A	647577.131	264185.818	3.309
	GEO4_CPT4B	647577.146	264188.163	3.245
	GEO4_CPT5	647578.791	264238.068	3.236
	GEO4_CPT5A	647578.872	264259.380	3.296
	GEO4_CPT5B	647578.865	264239.419	3.294
	GEO4_CPT6	647581.808	264292.794	3.067
	GEO4_CPT6A	647581.680	264293.593	3.090
	GEO4_CPT6B	647581.652	264294.527	3.099

Notes

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No A0012-10
 Carried out for NNB Generation Company Limited

Figure
F2

Exploratory Hole Location Summary



Location	Easting	Northing	Elevation (GL)
GW1D	645203.710	263711.176	13.185
GW1S	645203.791	263772.719	13.080
GW2	645268.799	263831.029	13.869
GW3	645663.756	264143.463	10.512
GW4	646261.555	264492.188	7.171
GW5	646845.739	264688.382	7.035
GW5A	646845.285	264689.718	6.996
GW6D	647288.932	264397.440	0.749
GW6D_A	647288.218	264396.091	0.713
GW6S	647287.824	264395.338	0.704
GW7	647244.932	264293.316	1.894
GW8	647469.720	264355.195	7.273
GW9D	647592.492	264455.957	3.063
GW9S	647592.369	264454.946	3.049
GW10	647394.006	264177.999	1.763
GW11D	647149.253	264094.926	1.482
GW11S	647150.021	264095.034	1.480
GW12	647508.003	264090.703	8.578
GW13	647574.540	264084.998	3.192
GW15	647316.697	264003.734	1.578
GW16_D	647439.227	263800.298	6.481
GW17	647280.950	263801.020	6.341
GW18	647118.990	263702.950	6.340
GW19	647073.948	263591.096	6.387
GW20	647078.655	262945.067	2.724
GW21	647056.197	262796.545	8.734
GW22	647261.339	262800.611	3.219
GW23	647128.209	262666.334	2.213
GW24D	647157.133	264254.467	1.441
GW24S	647158.403	264256.128	1.523
GW11S_1	647151.534	264095.472	1.502
05	647419.268	264234.936	1.616
06	647320.945	264235.511	1.378
07	647153.415	264253.632	1.484
08	647467.386	264183.625	2.137
12	647461.136	264099.294	1.913
13	647322.834	264126.067	1.547
15	647468.976	264079.349	2.054
23	647484.710	264046.912	2.203
25	647268.492	263981.935	1.843
30	647479.854	263787.568	6.504
36	647279.328	264380.791	0.923
37	647208.359	264296.199	1.704
38	647134.345	264215.148	1.649
39	647057.068	264123.143	1.610
SM01	647424.387	264030.021	1.663
SM02	647318.442	264031.123	1.531
YG205	647047.585	264016.016	3.985
YH02	647116.985	263903.440	2.801
YH03	647117.826	263994.681	3.474
MPM2009_1	647234.306	263988.615	2.010
MPM2009_2	647233.918	264200.837	1.604
MPM2009_3	647455.301	264246.464	1.854
MPM2009_4	647352.024	264217.613	1.567
MPM2009_4A	647351.538	264215.601	1.564
MPM2009_5	647359.119	263993.193	2.031
MPM2009_6	647474.999	264002.810	2.038
MPM2009_7	647330.016	264120.061	1.808
MPM2009_7A	647345.888	264112.079	1.759
MPM2009_8	647474.301	264117.599	3.718
MPM2009_9	647349.716	263880.263	6.117
MPM2009_10	647090.812	264167.209	1.415
MPM2009_11	646811.963	264648.257	8.139
MPM2009_12	647124.194	262795.276	8.792
MPM2009_13	647595.912	264219.911	3.336
SBP2009_1	647241.753	263985.756	2.017
SBP2009_2	647210.226	264198.792	1.538
SBP2009_3	647474.292	264067.063	2.088
SBP2009_4	647463.165	264201.912	1.920

Notes	Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Figure F3
	Project No	A0012-10	
	Carried out for	NNB Generation Company Limited	

Exploratory Hole Location Summary



	Location	Easting	Northing	Elevation (GL)
	SD2010_1	647203.738	263966.584	2.579
	SD2010_3	647590.402	264214.328	3.399
	SPT2009_1	647245.284	264996.415	1.737
	SPT2009_2	647243.578	264230.094	1.649
	SPT2009_3	647255.267	264115.931	1.552
	SPT2009_4	647593.748	264275.611	3.512
	SPT2009_5	647585.774	264227.707	2.536
	SPT2009_6	647581.242	264158.667	3.433
	SPT2009_7	647575.075	264068.461	3.153
	SPT2009_8	647575.829	264008.517	3.324
	SPT2009_9	637576.885	263924.798	3.438
	SPT2009_10	647394.864	264120.461	1.737
	SPT2009_11	647458.599	264207.260	1.906
	SPT2009_12	647466.603	264065.735	2.086
	TP1	647534.993	264478.694	7.805
	TP2	647380.069	264419.052	11.439
	TP3	647450.873	264397.745	10.397
	TP4	647519.174	264421.105	12.043
	TP6	647266.377	264346.408	2.015
	TP7	647388.102	264323.860	4.351
	TP8	647470.576	264311.077	3.288
	TP9	647540.796	264328.445	8.031
	TP11	647199.561	264238.558	1.427
	TP12	647301.476	264262.927	1.857
	TP13	647382.866	264255.127	1.614
	TP14	647470.367	264263.919	2.241
	TP15	647530.280	264269.726	6.967
	TP17	647139.802	264200.086	1.507
	TP18	647219.139	264187.630	1.566
	TP19	647300.648	264208.471	1.398
	TP20	647371.609	264169.004	1.584
	TP21	647441.733	264224.481	1.767
	TP22	647472.615	264177.289	2.341
	TP23	647530.031	264170.108	9.826
	TP25	647079.237	264110.266	1.740
	TP26	647149.543	264130.151	1.554
	TP27	647271.698	264131.304	1.505
	TP28	647550.364	264119.498	4.004
	TP29	647132.236	264066.604	1.709
	TP30	647336.081	264058.808	1.411
	TP32 (BH)	647121.202	264009.381	3.669
	TP33	647215.818	264020.547	1.735
	TP34	647471.752	264010.368	1.969
	TP35	647531.154	264030.402	6.974
	TP37 (BH)	647109.153	263911.974	2.930
	TP38	647185.423	263925.256	2.622
	TP39	647229.095	263976.584	2.163
	TP40	647240.803	263907.179	2.828
	TP41	647310.646	263939.849	2.433
	TP42	647400.088	263928.790	5.101
	TP43	647450.379	263958.808	2.434
	TP44	647252.765	263879.820	5.418
	TP45	647293.320	263871.803	6.211
	TP45A	647296.956	263872.165	6.138
	TP46	647320.747	263895.480	6.229
	TP47	647476.840	263894.621	6.486
	TP48	647540.270	263890.530	8.118
	TP50 (BH)	647142.880	263833.960	3.130
	TP51	647304.558	263836.927	6.274
	TP52	647419.215	263865.109	6.500
	TP53	647468.853	263838.135	6.439
	TP54 (BH)	647068.540	263812.540	4.490
	TP55	647210.988	263818.935	6.356
	TP55A	647207.177	263818.864	6.285
	TP56	647249.463	263818.289	6.423
	TP57	647371.762	263809.514	6.474
	TP58	647497.533	263790.319	6.507
	TP60 (BH)	647067.060	263772.940	5.790
	TP62 (BH)	647051.090	263708.090	4.590
	TP65	647010.729	263998.129	1.105
	TP66	647044.268	262890.335	5.102

Notes

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No A0012-10
 Carried out for NNB Generation Company Limited

Figure
F4

Exploratory Hole Location Summary



Location	Easting	Northing	Elevation (GL)
TP67	647059.401	262885.035	5.998
TP68	647137.325	262927.466	3.807
TP69	647178.886	262886.778	4.833
TP70	647109.047	262862.504	8.208
TP71	647162.589	262801.352	6.783
TP72	647111.068	262740.079	8.644
TP73	647134.464	262726.464	8.110
TP74	647243.730	262744.744	3.061
TP75	647108.763	262691.074	4.242
TP76	647167.792	262657.121	1.820
TP2009_14	647172.417	264271.927	1.494
TP2009_15	647272.290	264568.322	4.025
TP2009_16	647135.166	264697.185	5.997
TP2009_17	646924.273	264545.571	3.564
TPN1	646558.020	264613.550	4.241
TPN2	646564.471	264594.243	1.413
TPN3	646706.804	264597.628	2.532
TPN4	646720.878	264576.701	3.764

Notes

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No A0012-10
 Carried out for NNB Generation Company Limited

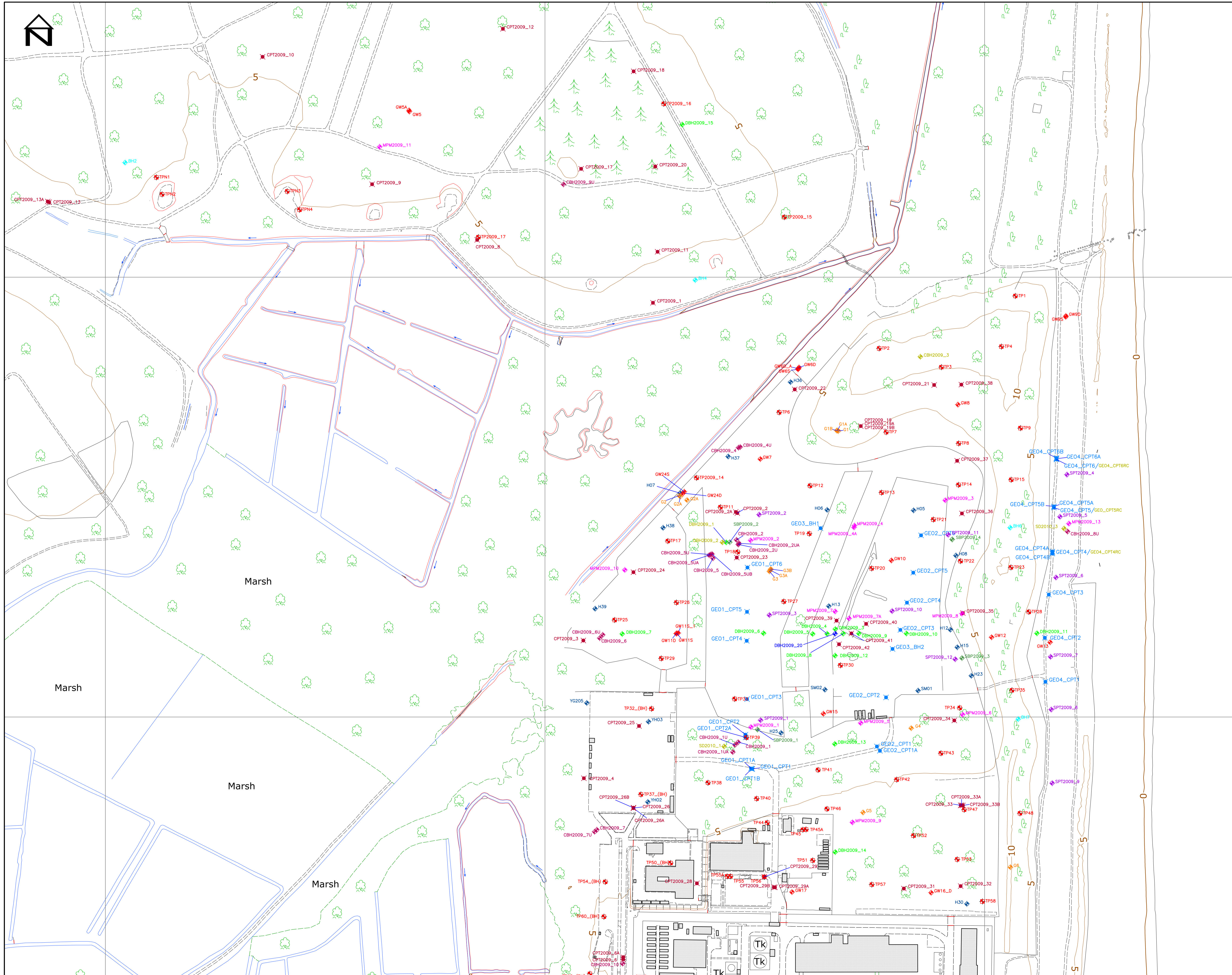
Figure

F5

ENCLOSURE G
SITE PLAN

Site Plan

Drawings G1 to G3



GENERAL NOTES

Note: Co-ordinates and levels related to Ordnance Survey National Grid and Datum using Leica's System 1200 dual frequency geodetic GPS receiver and SmartNet RTK correction. WGS84 position transformed using the Ordnance Survey OSTN/OSGM02 definitive transformation for the United Kingdom.

LEGEND TO SYMBOLS

- CBH (Rotary Cored Borehole)
- SD (Sonic Rotary Cored Borehole)
- SPT (Standard Penetration Testing Borehole)
- DBH (Rotary Open Hole Borehole)
- SBP (Self Boring Pressuremeter Testing Borehole)
- MPM (Menard Pressuremeter Testing Borehole)
- CPT (Cone Penetration Test)
- GEO_CPT (Cone Penetration Test)
- GW (Cable Percussion Borehole)
- G (Cable Percussion Borehole)
- BH (Cable Percussion Borehole)
- TP (Machine Excavated Trial Pit)
- Historical Borehole Location

Scale: 1:2000
 0 20m 40 80 120 160

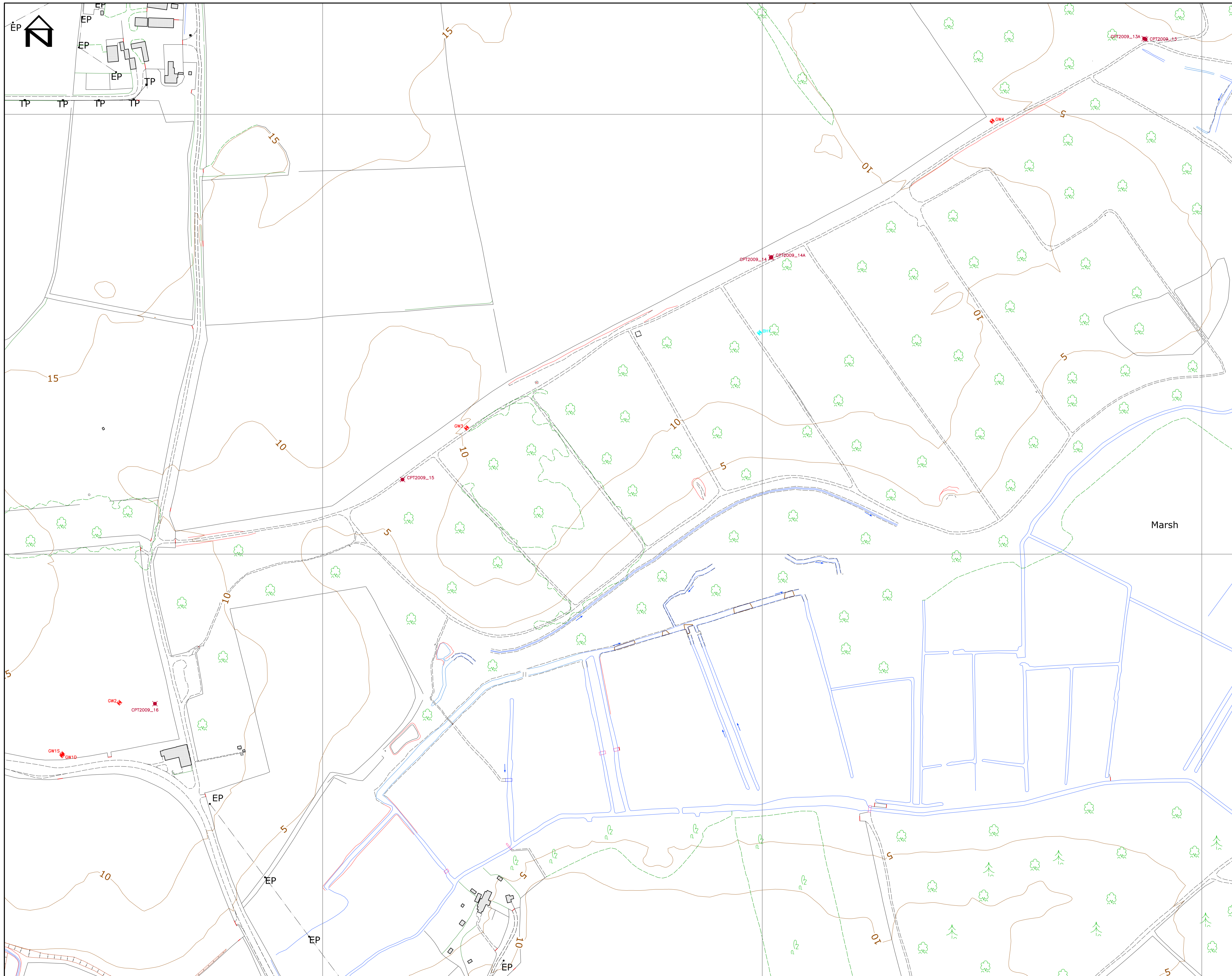
SITE PLAN

Project: **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**

Client: **NNB Generation Company Limited**

Soil Mechanics

Date	Drawn By	Approv. By
28.01.11	AW	MT
Sheet Size	Scale	Project No
A1	1:2000	A0012-10
Drawing No	Rev	
G1	0	



GENERAL NOTES

Note: Co-ordinates and levels related to Ordnance Survey National Grid and Datum using Leica's System 1200 dual frequency geodetic GPS receiver and SmartNet RTK correction. WGS84 position transformed using the Ordnance Survey OSTN/OSGM02 definitive transformation for the United Kingdom.

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Scale: 1:2000
 0 20m 40 80 120 160

SITE PLAN

Project
**ONSHORE INVESTIGATIONS
 PHASE 1 FOR SIZEWELL SITE**

Client
 NNB Generation Company Limited

Soil Mechanics

Date 28.01.11	Drawn By AW	Approv. By MT
Sheet Size A1	Scale 1:2000	Project No A0012-10
Drawing No G2	Rev 0	



GENERAL NOTES

Note: Co-ordinates and levels related to Ordnance Survey National Grid and Datum using Leica's System 1200 dual frequency geodetic GPS receiver and SmartNet RTK correction. WGS84 position transformed using the Ordnance Survey OSTN/OSGM02 definitive transformation for the United Kingdom.

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Scale: 1:2000
 0 20m 40 80 120 160

SITE PLAN

Project: **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**

Client: **NNB Generation Company Limited**

Soil Mechanics

Date	28.01.11	Drawn By	AW	Approved By	MT
Sheet Size	A1	Scale	1:2000	Project No	A0012-10
Drawing No	G3			Rev	0

Report No A0012-10/2A

ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE

FACTUAL REPORT ON GROUND INVESTIGATION

VOLUME 2A : EXPLORATORY HOLE RECORDS

1:25 SCALE BOREHOLE LOGS

Carried out for: NNB Generation Company Limited

August 2011

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Soil Mechanics part of Environmental Scientifics Group

**ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
FACTUAL REPORT ON GROUND INVESTIGATION**

**VOLUME 2A : EXPLORATORY HOLE RECORDS
1:25 SCALE BOREHOLE LOGS**

Report No: A0012-10/2A

Date: August 2011

Employer:

**NNB Generation Company Limited
40 Grosvenor Place
Victoria
London
SW1X 7EN**

Issue No	Date	Details
1	August 2011	Report as submitted

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REPORT STRUCTURE

VOLUME NO	TITLE	REPORT NO
1	TEXT, MONITORING AND DRAWINGS	A0012-10/1
2A	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE LOGS	A0012-10/2A
2B	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE AND TRIAL PIT LOGS 1:100 SCALE BOREHOLE LOGS SPLIT TUBE SAMPLE DESCRIPTIONS DISCONTINUITY LOGS	A0012-10/2B
3A	IN SITU TESTING: DRILLING PARAMETER RESULTS MENARD PRESSUREMETER TESTING	A0012-10/3A
3B	IN SITU TESTING: CONE PENETRATION TESTING GEOPHYSICAL TESTING PUMPING TEST	A0012-10/3B
3C	IN SITU TESTING: SELF BORING PRESSUREMETER TESTING	A0012-10/3C
4	GEOTECHNICAL LABORATORY TESTING	A0012-10/4
5	PHOTOGRAPHS	A0012-10/5
6	COMPREHENSIVE AND DATA INTEGRATION REPORT	A0012-10/6

CONTENTS

ENCLOSURE A

A EXPLORATORY HOLE RECORDS

ENCLOSURE A
EXPLORATORY HOLE RECORDS

Key to Exploratory Hole Records
Exploratory Hole Records: Volume 2A Summary
Borehole Logs

Key
Table 1 and 2
1:25 Scale

Key to Exploratory Hole Records



SAMPLES

Undisturbed

U	Driven tube sample	} nominally 100 mm diameter and full recovery unless otherwise stated
TW	Pushed thin wall tube sample	
P	Pushed piston sample	
L	Liner sample (from Windowless or similar sampler), full recovery unless otherwise stated	
CBR	CBR mould sample	
BLK	Block sample	
CS	Core sample (from rotary core) taken for laboratory testing	
AMAL	Amalgamated sample	

Disturbed

D	Small sample
B	Bulk sample

Other

W	Water sample
G	Gas sample

ES	Environmental chemistry samples (in more than one container where appropriate)
EW	Soil sample
	Water sample

Comments

Sample reference numbers are assigned to every sample taken. A sample reference of 'NR' indicates that attempt was made to take a tube sample, however, there was no recovery.

Monitoring samples taken after completion of hole construction are not shown on the exploratory hole logs.

TESTS

SPT S or SPT C Standard Penetration Test, open shoe (S) or solid cone (C)

The Standard Penetration Test is defined in BS EN ISO 22476-3 (2005). The incremental blow counts are given in the Field Records column; each increment is 75 mm unless stated otherwise and any penetration under self weight in mm (SW) is noted. Where the full 300 mm test drive is achieved the total number of blows for the test drive is presented as N = ** in the Test column. Where the test drive blows reach 50 the total blow count beyond the seating drive is given (without the N = prefix).

IV	<i>in situ</i> Vane shear strength, peak (p) and remoulded (r)
HV	Hand vane shear strength, peak (p) and remoulded (r)
PP	Pocket penetrometer test, converted to shear strength
KFH, KRH, KPI	Permeability tests (KFH = falling head, KRH = rising head; KPI = packer inflow); results provided in Field Records column (one value per stage for packer tests)

DRILLING RECORDS

The mechanical indices (TCR/SCR/RQD & If) are defined in BS 5930 with Amendment 1(1999/2007)

TCR	Total Core Recovery, %
SCR	Solid Core Recovery, %
RQD	Rock Quality Designation, %
If	Fracture spacing, mm. Minimum, typical and maximum spacings are presented. The term non-intact (NI) is used where the core is fragmented.

Flush returns, estimated percentage with colour where relevant, are given in the Records column

CRF	Core recovered (length in m) in the following run
AZCL	Assessed zone of core loss
NR	Not recovered

GROUNDWATER

▼	Groundwater strike
▽	Groundwater level after standing period

Notes:

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Key

Key to Exploratory Hole Records



Soil Mechanics

INSTALLATION

Standpipe/ piezometer

Details of standpipe/piezometer installations are given on the Record. Legend column shows installed instrument depths including slotted pipe section or tip depth, response zone filter material type and layers of backfill.

SP
SPIE
PIIE
EPIE



The type of instrument installed is indicated by a code in the Legend column at the depth of the response zone:
Standpipe
Standpipe piezometer
Pneumatic piezometer
Electronic piezometer

Inclinometer or Slip Indicator

The installation of vertical profiling instruments is indicated on the Record. The base of tubing is shown in the Legend column.

ICE
ICM
SLIP



The type of instrument installed is indicated by a code in the Legend column at the base of the tubing:
Biaxial inclinometer
Inclinometer tubing for use with probe
Slip indicator

Settlement Points or Pressure Cells

The installation of single point instruments is indicated on the Record. The location of the measuring device is shown in the Legend column.

ESET
ETM
EPCE
PPCE

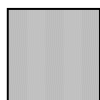


The type of instrument installed is indicated by a code in the Legend column:
Electronic settlement cell/gauge
Magnetic extensometer settlement point
Electronic embedment pressure cell
Electronic push in pressure cell

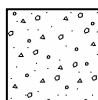
INSTALLATION LEGENDS

A legend describing the installation is shown in the rightmost column. Legends additional to BS5930 are used to describe the backfill materials as indicated below.

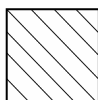
Arisings



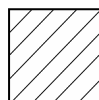
Concrete



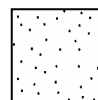
Grout



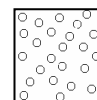
Bentonite



Sand



Gravel



Macadam



NOTES

- 1 Soils and rocks are described in accordance with BS EN ISO 14688-1 (2002), 14688-2 (2004), 14689-1 (2003) and BS 5930 with Amendment 1 (1999/2007) as clarified by Baldwin et al (2007).
- 2 Strata legends are in accordance with BS 5930 with Amendment 1 (1999/2007).
- 3 Water level observations of discernible entries during the advancing of the exploratory hole are given at the foot of the log and in the Legend column. The term "none observed" is used where no discrete entries are identified although this does not necessarily indicate that the hole has not been advanced below groundwater level. Under certain conditions groundwater cannot be observed, for instance, drilling with water flush or overwater, or boring at a rate much faster than water can make its way into the borehole (ref BS5930 : 1999, Clause 47.2.7). In addition, where appropriate, water levels in the hole at the time of recovering individual samples or carrying out in situ tests and at shift changes are given in the Records column.
- 4 Evidence of the occurrence of very coarse particles (cobbles and boulders) is presented on the logs, however, because of their size in relation to the exploratory hole these records may not be fully representative of their size and frequency in the ground mass.
- 5 The borehole logs present the results of Standard Penetration Tests recorded in the field without correction or interpretation. However, in certain ground conditions (eg high hydraulic head or where very coarse particles are present) some judgement may be necessary in considering whether the results are representative of in situ mass conditions.
- 6 The declination of bedding and joints is given with respect to the normal to the core axis. Thus in a vertical borehole this will be the dip.
- 7 The assessment of SCR, RQD and Fracture Spacing excludes artificial fractures

Notes:

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
Project No. **A0012-10**
Carried out for **NNB Generation Company Limited**

Key

Sheet 2 of 3

Key to Exploratory Hole Records



Soil Mechanics

REFERENCES

Baldwin M, Gosling R C and Brownlie N : 2007 : Soil and rock descriptions - a practical guide to the implementation of BS EN ISO 14688 and 14689. Ground Engineering, Vol 40 No 7 July.

BS EN ISO 14688-1 : 2002 : Geotechnical investigation and testing - Identification and classification of soil - Part 1 Identification and description. British Standards Institution.

BS EN ISO 14688-2 : 2004 : Geotechnical investigation and testing - Identification and classification of soil - Part 2 Principles for a classification. British Standards Institution.

BS EN ISO 14689-1 : 2003 : Geotechnical investigation and testing - Identification and classification of rock - Part 1 Identification and description. British Standards Institution.

BS EN ISO 22476-3 : 2005 : Geotechnical investigation and testing - Field testing - Part 3 Standard penetration test. British Standards Institution.

BS 5930 with Amendment 1 : 1999/2007 : Code of Practice for site investigations. British Standards Institution

Updated July 2009

Notes:

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
Project No. **A0012-10**
Carried out for **NNB Generation Company Limited**

Key

Sheet 3 of 3

Exploratory Hole Records: Volume 2A Summary

Hole ID	Hole Depth, (m)	Hole Type	Remarks
CBH 2009_1	120.00	RC	1:25 Scale Borehole Log
CBH 2009_1U	1.35	CP	1:25 Scale Borehole Log
CBH 2009_1UA	47.15	CP	1:25 Scale Borehole Log
CBH 2009_2	122.90	RC	1:25 Scale Borehole Log
CBH 2009_2U	4.00	CP	1:25 Scale Borehole Log
CBH 2009_2UA	44.65	CP	1:25 Scale Borehole Log
CBH 2009_3	58.50	RC	1:25 Scale Borehole Log
CBH 2009_4	55.15	RC	1:25 Scale Borehole Log
CBH 2009_4U	45.65	CP	1:25 Scale Borehole Log
CBH 2009_5	55.20	RC	1:25 Scale Borehole Log
CBH 2009_5U	1.80	CP	1:25 Scale Borehole Log
CBH 2009_5UA	2.45	CP	1:25 Scale Borehole Log
CBH 2009_5UB	45.15	CP	1:25 Scale Borehole Log
CBH 2009_6	55.50	RC	1:25 Scale Borehole Log
CBH 2009_6U	43.85	CP	1:25 Scale Borehole Log
CBH 2009_7	55.45	RC	1:25 Scale Borehole Log
CBH 2009_7U	48.15	CP	1:25 Scale Borehole Log
CBH 2009_8U	120.00	CP+RC	1:25 Scale Borehole Log
CBH 2009_9U	55.10	CP	1:25 Scale Borehole Log
CBH 2009_10	55.40	RC	1:25 Scale Borehole Log
CBH 2009_11U	56.70	CP	1:25 Scale Borehole Log
DBH 2009_1	120.50	RC	1:25 Scale Borehole Log
DBH 2009_2	121.50	RC	1:25 Scale Borehole Log
DBH 2009_20	48.00	RO	1:25 Scale Borehole Log
MPM 2009_4A	50.40	RO	1:25 Scale Borehole Log
MPM 2009_7A	48.00	RO	1:25 Scale Borehole Log
SBP 2009_1	81.90	RO	1:25 Scale Borehole Log
SBP 2009_2	125.80	RO+RC	1:25 Scale Borehole Log
SBP 2009_3	84.70	RO	1:25 Scale Borehole Log
SBP 2009_4	84.10	RO+RC	1:25 Scale Borehole Log
SD 2010_01	120.50	RC	1:25 Scale Borehole Log
SD 2010_03	120.50	RC	1:25 Scale Borehole Log
SPT 2009_1	45.65	RO	1:25 Scale Borehole Log
SPT 2009_2	45.65	RO	1:25 Scale Borehole Log
SPT 2009_3	45.95	RO	1:25 Scale Borehole Log
SPT 2009_4	48.05	RO	1:25 Scale Borehole Log
SPT 2009_5	48.05	RO	1:25 Scale Borehole Log

Notes: Prepared: 09/02/2011 13:48	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Table
	Project No. A0012-10	1
	Carried out for NNB Generation Company Limited	

Exploratory Hole Records: Volume 2A Summary

Hole ID	Hole Depth, (m)	Hole Type	Remarks
SPT 2009_6	48.85	RO	1:25 Scale Borehole Log
SPT 2009_7	48.85	RO	1:25 Scale Borehole Log
SPT 2009_8	49.65	RO	1:25 Scale Borehole Log
SPT 2009_9	49.65	RO	1:25 Scale Borehole Log
SPT 2009_10	45.65	RO	1:25 Scale Borehole Log
SPT 2009_11	45.64	RO	1:25 Scale Borehole Log
SPT 2009_12	47.25	RO	1:25 Scale Borehole Log

Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 120.00m 146mm 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.00-0.40 0.00-0.40	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with frequent roots and rootlets. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(0.40)		
0.40-1.00 0.40-1.00	D 3 B 4				Greyish pink slightly sandy GRAVEL of angular to subangular fine to coarse granite and basalt. (MADE GROUND)	0.40 +1.95		
					0.50 m black geotextile sheet 0.70 m black geotextile sheet			
1.20-1.90	57 N/A N/A				1.20-1.50 m NO RECOVERY 1.70 m black geotextile sheet	(1.55)		
1.90-2.60	100 N/A N/A				ZONE OF CORE LOSS. Foreman reports sandy gravelly fill. (Possibly MADE GROUND)	1.95 +0.40		
2.60-3.30	0 N/A N/A				1.95-2.60 m PARTIAL CORE RECOVERY. Orangish brown and greenish brown slightly clayey slightly gravelly fine to medium sand with occasional fine to coarse gravel size shell fragments. Gravel is subangular medium to coarse of claystone and rare subrounded flint (MADE GROUND)			
3.30-3.70		Flush: 1.20-5.50 CS 5 mud/water, 100 %			3.30-4.00 m PARTIAL CORE RECOVERY. Orangish brown clayey slightly gravelly sand with occasional fine to coarse gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of claystone and flint (MADE GROUND)			
3.30-4.00	100 N/A N/A		19/08/2010	4.00 0.78				
4.00-4.75	21 N/A N/A		20/08/2010	0800 4.00 1.00				
					4.59-4.75 m PARTIAL CORE RECOVERY. Orangish brown clayey slightly gravelly fine to medium sand with occasional			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 9.00 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 11.50 Geobor S long nose pilot bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 13:52:32	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1 Sheet 1 of 24
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
4.75-5.50	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sandy gravelly fill. (Possibly MADE GROUND)			
5.50-6.25	15 N/A N/A								
6.25-7.00	0 N/A N/A					6.14-6.25 m PARTIAL CORE RECOVERY. Orangish brown clayey slightly gravelly fine to medium sand. Gravel is subrounded of flint (MADE GROUND)			
7.00-7.75	0 N/A N/A								
7.75-8.50	0 N/A N/A								
8.50-9.00	0 N/A N/A		Flush: 5.50-11.50 mud/water, 50 %						
9.00-10.00	100 N/A N/A					Spongy becoming firm from 9.35m dark brown and dark reddish brown amorphous, locally pseudo-fibrous, PEAT with rare very soft grey silty clay bands. (RECENT DEPOSITS)	9.00	-6.65	
9.60-10.00					CS 6	9.19-9.23 m very soft grey silty clay horizon			
Stratum continues to 11.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
10.00-10.75	0 N/A N/A					Spongy becoming firm from 9.35m dark brown and dark reddish brown amorphous, locally pseudo-fibrous, PEAT with rare very soft grey silty clay bands. (RECENT DEPOSITS)	(2.50)			
10.75-11.50	15 N/A N/A			20/08/2010 10.50			11.37-11.50 m PARTIAL CORE RECOVERY			
11.50-12.25	0 N/A N/A			21/08/2010 10.50	0800 0.00	(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	11.50 -9.15			
12.25-13.00	29 N/A N/A									
13.00-13.75	27 N/A N/A						12.78-13.75 m PARTIAL CORE RECOVERY Brown slightly clayey sand with frequent fine to medium gravel size shell fragments (CRAG DEPOSITS)			
13.75-14.50	0 N/A N/A									
14.75-15.25	73 N/A N/A		CS 7				14.90-15.25 m PARTIAL CORE			
Stratum continues to 34.00 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 11.50 12.25 Geobor S short nose pilot bit used. 12.25 20.50 Geobor 7 step surface set bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1 Sheet 3 of 24
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
15.25-16.00	0 N/A N/A					(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)			
16.00-16.75	20 N/A N/A						16.60-16.75 m PARTIAL CORE RECOVERY.		
16.75-17.50	0 N/A N/A						RECOVERY. Dark grey slightly silty sand with occasional very thin soft grey silty clay laminae (CRAG DEPOSITS)		
17.50-18.00	30 N/A N/A						16.60-17.50 m PARTIAL CORE RECOVERY. Dark grey slightly silty sand (CRAG DEPOSITS)		
18.00-18.50	0 N/A N/A						17.85-18.00 m PARTIAL CORE RECOVERY. Dark grey slightly silty sand with frequent very thin silty clay laminae (CRAG DEPOSITS)		
18.50-19.00	0 N/A N/A								
19.00-19.50	0 N/A N/A								
						Stratum continues to 34.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
None observed (see Key Sheet)		



Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
19.50-20.50	0 N/A N/A			21/08/2010 20.50	1.42	(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)			
				22/08/2010 20.50	0800 0.23				
20.50-21.25	0 N/A N/A								
21.25-22.00	0 N/A N/A								
22.00-22.75	0 N/A N/A								
22.75-23.50	0 N/A N/A								
23.50-24.25	0 N/A N/A					(22.50)			
24.25-25.00	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 34.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 20.50 31.00 Geobor S PCD clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 120.00m 146mm 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata						
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
25.00-25.75	0 N/A N/A					(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)						
25.75-26.50	0 N/A N/A											
26.50-27.25	11 N/A N/A											
27.25-28.00	0 N/A N/A								27.17-27.25 m [PARTIAL CORE RECOVERY. Grey sand with frequent fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
28.00-28.75	0 N/A N/A											
28.75-29.50	0 N/A N/A											
29.50-30.25	0 N/A N/A											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 34.00 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
30.25-31.00	0 N/A N/A			22/08/2010		(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)			
				30.25	0.68				
31.00-31.75	4 N/A N/A			23/08/2010	0800				
				30.25	0.93				
31.75-32.50	0 N/A N/A					31.72-31.75 m PARTIAL CORE RECOVERY. Weak dark grey mudstone (CRAG DEPOSITS)			
32.50-33.25	12 N/A N/A								
33.25-34.00	0 N/A N/A					33.16-33.25 m PARTIAL CORE RECOVERY. Grey sand with occasional fine to medium gravel size shell fragments (CRAG DEPOSITS)			
34.35-34.75 34.00-34.75	100 N/A N/A		CS 8			Grey and brownish grey slightly silty fine to medium SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	34.00 -31.65 (0.75)		
						ZONE OF CORE LOSS. Foreman reports sand and shells.	34.75 -32.40		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 45.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 31.00 43.00 Geobor S short nose pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 120.00m 146mm 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
34.75-35.50	0 N/A N/A					(Probably CRAG DEPOSITS)			
35.50-36.25	0 N/A N/A								
36.25-37.00	0 N/A N/A								
37.00-37.75	0 N/A N/A								
37.75-38.50	0 N/A N/A								
38.50-39.25	0 N/A N/A								
39.25-40.00	0 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water		Stratum continues to 45.65 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.00-40.75	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)	(10.90)		
40.75-41.50	0 N/A N/A								
41.50-42.25	0 N/A N/A								
42.25-43.00	0 N/A N/A								
43.00-43.75	0 N/A N/A								
43.75-44.50	9 N/A N/A								
						44.43-44.50 m PARTIAL CORE RECOVERY. Grey fine to medium sand with rare fine to medium gravel size shell fragments (CRAG DEPOSITS)			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 45.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 43.00 49.00 Geobor S PCD clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m to 120.00m 146mm	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)					
44.50-46.00	21 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)					
			Flush: 11.50-79.80 mud/water, 100 %								
				23/08/2010 46.00	1.87	Stiff dark grey with dark blueish grey bands silty CLAY with occasional very thin silt laminae. (LONDON CLAY - A3ii)			45.65	-43.30	
				24/08/2010 46.00	0800 1.80	46.00-46.45 m NO RECOVERY					
46.50-46.55			CS 10			46.50-46.55 m					
46.60-46.71			CS 11			weak dark blueish grey mudstone horizon 46.60-46.71 m weak dark grey mudstone horizon					
46.00-47.50	63 N/A N/A										
47.10-47.50			CS 9								
						47.50-48.20 m NO RECOVERY					
47.50-49.00	53 N/A N/A								(4.85)		
				24/08/2010 49.00	1.70						
				01/09/2010 49.00	0800 0.72	49.00-49.85 m NO RECOVERY					
49.00-50.50	43 N/A N/A										
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 50.50 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 49.00 65.50 Geobor S 7 step surface set bit used.	Chiselling Depths (m)	Time	Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1 Sheet 10 of 24
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
55.00-56.00	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports clay with sand bands. (Probably LONDON CLAY)			
56.00-56.50	0 N/A N/A								
56.50-57.00	0 N/A N/A								
57.00-58.00	5 N/A N/A								
58.00-58.36 58.00			SPT S 50 (12,13/ 18,16,16 for 60mm) CS 12	02/09/2010 58.00	0.20			57.95-58.00 m	
58.00-58.75	0 N/A N/A			03/09/2010 58.00	0800 0.20	(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports fine soft sand. (probably LAMBETH GROUP - SAND)	58.00 -55.65		
58.75-59.50	0 N/A N/A								
59.50-59.73 59.50			SPT S 7 (6,4/4,3 for 2mm) CS 13	59.50	0.20		59.50 m Dark brownish grey very clayey fine to medium sand.		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 62.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 58.00 67.50 Foreman reports blowing sand.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 12)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
59.50-61.00	0 N/A N/A					(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports fine soft sand. (probably LAMBETH GROUP - SAND)	(4.50)		
61.00-61.45 61.00			SPT S N=21 (10,10/9,6,4,2) CS 13a	61.00	0.20	61.00 m Dark brownish grey very clayey slightly gravelly fine to medium sand. Gravel is rounded medium to coarse of flint			
61.00-62.50	7 N/A N/A			03/09/2010 62.50	0.00	62.40-62.50 m PARTIAL CORE RECOVERY. Slightly clayey sandy gravel of angular coarse siltstone 62.50-63.35 m NO RECOVERY	62.50 -60.15		
62.50-64.00	43 N/A N/A			04/09/2010 62.50	0800 0.20	Brownish grey clayey slightly gravelly fine to medium SAND. Gravel is rounded medium to coarse of flint. (LAMBETH GROUP - SAND)			
64.20-64.80 64.00-64.75	100 N/A N/A		CS 22			64.65-64.75 m frequent thin laminae of firm to stiff blueish grey silty clay			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 67.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
64.75-65.50	0 N/A N/A			04/09/2010 65.50	0.00	Brownish grey clayey slightly gravelly fine to medium SAND. Gravel is rounded medium to coarse of flint. (LAMBETH GROUP - SAND)	(5.00)		
				06/09/2010 65.50	0800 1.80		65.50-66.40 m NO RECOVERY		
65.50-67.00 66.35-66.75	40 N/A N/A		CS 14	06/09/2010 65.50	0800 0.00	Stiff dark grey and dark brownish grey thinly laminated extremely closely fissured CLAY with frequent grey and light grey silt laminae. (LAMBETH GROUP - CLAY)	67.50 -65.15		
				08/09/2010 65.50	0800 1.00		67.80 m lignite nodule present 20x10x2mm in size		
67.00-67.74	100 N/A N/A			08/09/2010 67.74	0.00	Very stiff black and dark grey silty lignitic CLAY with occasional fine to medium lignite fragments. (LAMBETH GROUP - CLAY)	68.20 -65.85		
				09/09/2010 67.74	0800 0.00		(0.70)		
67.74-68.50	99 N/A N/A			09/09/2010 68.50	0.00	Stiff to very stiff greyish green mottled red and light brown silty CLAY locally tending to clayey silt. (LAMBETH GROUP - CLAY)	68.50 -66.15		
				13/09/2010 68.50	0800 0.30		68.50-68.75 m NO RECOVERY		
68.75-69.20			CS 15						
68.50-70.00	83 N/A N/A								
Stratum continues to 73.00 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m) 65.50	Depth Related Remarks * From to (m) 65.50 120.00 Geobor S PCD clam bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 13:52:43	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1 Sheet 14 of 24
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR RQD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
70.00-71.50	20 N/A N/A					Stiff to very stiff greyish green mottled red and light brown silty CLAY locally tending to clayey silt. (LAMBETH GROUP - CLAY)	70.00-71.20 m NO RECOVERY	(4.50)		
						71.20-73.00 m occasional light brown mottling				
						71.50-72.26 m NO RECOVERY				
71.50-73.00	51 N/A N/A			13/09/2010 72.00						
73.00-73.75	100 N/A N/A			14/09/2010 72.00	0800 0.30	Very stiff dark grey thinly laminated CLAY, locally tending to extremely weak mudstone with occasional silt linings and rare dark green glauconite staining. (LAMBETH GROUP - CLAY)	73.00 -70.65			
						73.75-74.15 m NO RECOVERY				
73.75-74.50	49 N/A N/A					74.15-74.25 m vertical planar smooth clean shear surface				
74.50-74.80			TCR 100, SCR NR, RQD NR							
Stratum continues to 81.85 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 15)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
75.24-75.64			CS 16			Very stiff dark grey thinly laminated CLAY, locally tending to extremely weak mudstone with occasional silt linings and rare dark green glauconite staining. (LAMBETH GROUP - CLAY) 75.15-75.24 m subvertical planar smooth clean shear surface 75.75-76.00 m Occasional glauconite pockets less than 40mm in thickness 76.00-76.15 m NO RECOVERY 76.45-76.70 m subvertical to vertical planar smooth clean shear surface 77.25-79.00 m NO RECOVERY.	(8.85)			
74.80-76.00	100 N/A N/A									
76.00-77.25	88 N/A N/A									
77.25-78.60	0 N/A N/A									
78.60-79.00	0 N/A N/A			14/09/2010	79.00 0.00					
79.00-79.80	100 N/A N/A			15/09/2010	0800 79.00 0.30					
Depth TCR SCR ROD If Records/Samples Date Casing Time Water						Stratum continues to 81.85 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 13:52:44	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1 Sheet 16 of 24
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR RQD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 16)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
80.10-80.50 79.80-80.50	100 N/A N/A		CS 17			Very stiff dark grey thinly laminated CLAY, locally tending to extremely weak mudstone with occasional silt linings and rare dark green glauconite staining. (LAMBETH GROUP - CLAY)			
						80.40-80.50 m pocket of dark green glauconite 80.50-81.85 m NO RECOVERY			
80.50-82.00	10 N/A N/A								
							81.85		
						Hard thinly laminated dark reddish brown CLAY. (LAMBETH GROUP - CLAY)	-79.50		
						82.00-84.05 m NO RECOVERY			
82.00-83.50	0 N/A N/A								
							(2.90)		
83.50-84.75	56 N/A N/A								
84.35-84.75			CS 18						
84.75-85.00			TCR 0, SCR 0, RQD 0			(Boundary uncertain) ZONE OF CORE LOSS.	84.75		
						84.75 m foreman reports flint	-82.40		
Depth	TCR RQD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 89.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 17)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
85.00-85.75	0 0 0					Foreman reports grey SILT. (Probably CHALK)	85.00 m foreman reports flint				
85.75-86.50	0 0 0										
86.50-87.25	0 0 0							(4.75)			
87.25-88.00	0 0 0										
88.00-88.75	0 0 0										
88.75-89.50	0 0 0										
89.50-90.25	0 0 0					ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)		89.50 -87.15			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 18)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
90.25-91.00	0 0 0			15/09/2010 91.00	0800 0.00	ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)			
91.00-92.50	0 0 0			16/09/2010 91.00	0800 1.20				
92.50-93.25	0 0 0								
93.25-94.00	0 0 0								
94.00-94.75	0 0 0								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 19)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
94.75-95.50	0 0 0					ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK) 95.50 m friable greenish grey gravelly clay. Gravel is angular to subrounded fine to medium of flint and chalk				
95.50			D 19							
95.50-96.25	0 0 0									
96.25-97.00	0 0 0									
97.00-97.75	0 0 0									
97.75-98.50	0 0 0									
98.50-99.25	0 0 0									
99.25-100.00	0 0 0									
			Flush: 79.80-120.00 mud/water, 80 %							
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water		Stratum continues to 120.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 13:52:47	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1 Sheet 20 of 24
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 120.00m 146mm 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 20)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
100.00-100.75	0 0 0			16/09/2010 100.75	4.60	ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)			
100.75-101.50	0 0 0			17/09/2010 100.75	0800 0.50				
101.50-102.25	0 0 0								
102.25-103.00	0 0 0								
103.00			D 20				103.00 m light grey sandy silt. Sand is fine (probably chalk)		
103.00-103.75	0 0 0								
103.75-104.50	0 0 0						(30.50)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 120.00m 146mm 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 21)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
104.50-106.00	0 0 0					ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)			
106.00-106.75	0 0 0								
106.75-107.50	0 0 0								
107.50-108.25	0 0 0								
108.25-109.00	0 0 0								
109.00-110.50	0 0 0								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests					Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 22)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
				17/09/2010		ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)			
				110.00	0.50				
				18/09/2010	0800	112.00 m very soft white gravelly clay. Gravel is angular to rounded fine to medium of flint (probably chalk)			
110.50-112.00	0 0 0			110.00	0.50				
112.00			D 21						
112.00-113.50	0 0 0								
113.50-114.25	0 0 0								
114.25-115.00	0 0 0								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 13:52:49	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1 Sheet 23 of 24
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Borehole Log



Soil Mechanics

Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 23)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
115.00-115.75	0 0 0					ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)			
115.75-116.50	0 0 0			18/09/2010 116.00	0.00				
116.50-118.00	0 0 0			21/09/2010 116.00	0800 0.75				
118.00-119.50	0 0 0								
119.50-120.00	0 0 0			21/09/2010 116.00	0.00				
Depth TCR SCR ROD If Records/Samples Date Casing Time Water						EXPLORATORY HOLE ENDS AT 120.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 13:52:50	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1 Sheet 24 of 24
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Borehole Log



Soil Mechanics

Drilled DC Logged ST Checked MT		Start 02/10/2010 End 02/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 1.35m Diameter 200mm Casing Depth		Ground Level +2.36 mOD Coordinates E 647216.15 National Grid N 263968.28 Chainage				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
0.10 0.10-0.60	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	(0.30)		1				
0.45 0.60	W 4 D 3		02/10/2010		Purple sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including sandstone and granite. Sand is fine to coarse. (MADE GROUND)	0.30 +2.06 (1.05)		1				
					EXPLORATORY HOLE ENDS AT 1.35 m	1.35 +1.01						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries							
					No.	Struck (m)	Post strike behaviour	Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
					1	0.45	Rose to 0.40 m after 20 minutes.	-	1.35 Borehole terminated due to concrete obstruction.	1.20 -1.30 1.30 -1.35	90 mins 90 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole	
Scale 1:25					Project No.	A0012-10					CBH 2009_1U	
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Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 9.60m 9.60m 27.60m 27.60m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	D 1	* 0.00-1.20 m Hand excavated inspection pit.			Orangish brown silty, locally very silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)			
0.80	D 2							
1.20-1.65	U 3	40 blows 390 mm rec	1.20	dry		(2.35)		
1.65-1.85	D 4							
1.90-2.35	U 5	20 blows 360 mm rec	1.90	0.50				
2.35-3.55	D 6				Orangish brown silty slightly gravelly SAND with low cobble content and occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine to coarse of flint. Cobbles are subangular of flint. (MADE GROUND)	2.35 +0.19		
2.60-2.80 2.60-3.10	U NR B 7	100 blows No recovery	2.60	1.50		(0.65)		2.60-3.10 m foreman reports concrete
3.10-3.55	U 8	25 blows 250 mm rec	3.00	2.10	Orangish brown silty, locally very silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)	3.00 -0.46		
3.55-3.75	D 9					(1.25)		
3.80-4.25 3.80-4.50	U 10 B 12	70 blows 150 mm rec	3.80	0.00				
4.25-4.45	D 11				Orangish brown silty, locally very silty, gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine to coarse of flint. (MADE GROUND)	4.25 -1.71		
4.50-4.95 4.50-5.20	U NR B 13	75 blows No recovery	4.50	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 5.90 m			

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 47.15 2 No. U100 Hammer weights used. 1.30 24.75 Water added to assist boring.	Chiselling Depths (m) Time Tools used 2.60 -3.00 60 mins
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1UA Sheet 1 of 10
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Scale 1:25

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Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.20-5.90 5.25-5.65	B 14 U NR	35 blows No recovery	5.20	0.00	Orangish brown silty, locally very silty, gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine to coarse of flint. (MADE GROUND)	(1.65)		
5.90-6.35	U 15	6 blows 400 mm rec	5.90	3.50	Firm, locally spongy, dark brown clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	5.90 -3.36		
6.35-6.55	D 16							
6.60-7.05	U 17	7 blows	6.50	4.80				
7.05-7.25	D 18							
7.30-7.75	U 19	6 blows	6.70	dry				
7.75-7.95	D 20							
8.00-8.45	U 21	7 blows	6.70	dry				
8.45-8.65	D 22							
8.70-9.15	U 23	8 blows 400 mm rec	6.70	dry				
9.15-9.35	D 24							
9.40-9.85	U 25	8 blows	6.70	dry				
9.85-10.05	D 26					(4.10)		

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used
1	10.00	Rose to 3.40 m after 20 minutes.	-				

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1UA Sheet 2 of 10
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Scale 1:25

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408.24 18/02/2011 11:31:24



Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)									
10.10-10.55	U 27	15 blows 400 mm rec	10.10	dry	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		10.00	-7.46						
10.55-10.75	D 28													
10.80-11.25	U 29	20 blows 350 mm rec	10.80	0.00										
11.25-11.45	D 30		03/10/2010 11.45	0.00										
11.50-11.95	U 31	30 blows	11.50 04/10/2010 11.45	0.00 0800 3.50										
11.95-12.15	D 32													
12.20-12.65	U 33	40 blows 360 mm rec	12.90	0.00										
12.65-12.85	D 34													
12.90-13.35	U 35	40 blows 400 mm rec	12.90	0.00										
13.35-13.55	D 36													
13.60-14.05	U 37	40 blows 290 mm rec	13.60	0.00										
14.05-14.25	D 38													
14.30-14.75	U 39	40 blows 410 mm rec	14.30	0.00										
14.75-14.95	D 40													
Depth	Type & No	Records	Date Casing	Time Water			Stratum continues to 45.30 m							

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used
1	10.00	Rose to 3.40 m after 20 minutes.	-	11.45			Water added to assist boring.

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_1UA
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 11:31:27	Project No. A0012-10	Sheet 3 of 10
	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.00-15.45	U 41	45 blows 300 mm rec	15.00	0.00	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' marks]	[Symbol: Diagonal lines]
15.45-15.65	D 42							
15.70-16.15	U 43	50 blows 420 mm rec	15.70	0.00				
16.15-16.35	D 44							
16.40-16.85	U 45	50 blows	16.40	0.00				
16.85-17.05	D 46							
17.10-17.55	U 47	50 blows	17.10	0.00				
17.55-17.75	D 48							
17.80-18.25	U 49	50 blows	17.80	0.00				
18.25	D 50							
18.50-18.95	U 51	40 blows	18.50	0.00				
18.95-19.15	D 52							
19.20-19.65	U 53	35 blows 400 mm rec	19.20	0.00				
19.65-19.85	D 54							
19.90-20.35	U 55	32 blows 420 mm rec	19.90	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.30 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling	
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time Tools used

Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
20.35-20.55	D 56				Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
20.60-21.05 20.60-21.30	U NR B 57	40 blows No recovery	20.60	0.00						
21.30-21.75	U 58	40 blows 350 mm rec	21.30	0.00						
21.75-21.95	D 59									
22.00-22.45	U 60	45 blows 250 mm rec	22.00	0.00						
22.45-22.65	D 61									
22.70-23.15	U 62	40 blows 410 mm rec	22.70	0.00						
23.15-23.35	D 63									
23.40-23.85 23.40-24.10	U NR B 64	42 blows No recovery	23.40	0.00						
24.10-24.55	U 65	40 blows 310 mm rec	24.10	0.00						
24.55-24.75	D 66		04/10/2010 24.10	0.00						
24.80-25.50 24.80-25.25	B 67 U NR	55 blows No recovery	24.80 05/10/2010	0.00 0800						
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 45.30 m				

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m	Depth from 9.60m to 27.60m Diameter 200mm Casing Depth 27.60m	Depth from 27.60m to 47.15m Diameter 150mm Casing Depth 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
			24.10	0.00	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)								
25.50-25.95 25.50-26.20	U NR B 68	50 blows No recovery	25.50	0.00									
26.20-26.65 26.20-26.90	U NR B 69	50 blows No recovery	26.20	0.00									
26.90-27.35	U 70	50 blows 410 mm rec	26.90	0.00									
27.35-27.55	D 71												
27.60-28.05	U 72	50 blows 220 mm rec	27.60	0.00					(35.30)				
28.05-28.25	D 73												
28.30-28.75	U 74	50 blows 280 mm rec	28.30	0.00									
28.75-28.95	D 75												
29.00-29.45	U 76	60 blows 250 mm rec	29.00	0.00									
29.45-29.65	D 77												
29.70-30.15	U 78	60 blows 260 mm rec	29.70	0.00									
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 45.30 m							

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.15-30.35	D 79				Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: x]	[Symbol: /]
30.40-30.85	U 80	70 blows 360 mm rec	30.40	0.00				
30.85-31.05	D 81							
31.10-31.55	U 82	60 blows 400 mm rec	31.10	0.00				
31.55-31.75	D 83							
31.80-32.25 31.80-32.50	U NR B 84	60 blows No recovery	31.80	0.00				
32.50-32.95	U 85	75 blows 230 mm rec	32.50	0.00				
32.95-33.15	D 86							
33.20-33.65 33.20-33.90	U NR B 87	55 blows No recovery	33.20	0.00				
33.90-34.35 33.90-34.60	U NR B 88	50 blows No recovery	33.90	0.00				
34.60-35.05	U 89	65 blows 260 mm rec	34.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.30 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_1UA
Scale 1:25	Project No. A0012-10	Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
35.05-35.25	D 90				Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
35.30-35.75	U 91	60 blows 240 mm rec	35.30	0.00						
35.75-35.95	D 92		05/10/2010 35.30	-0.20						
36.00-36.70 36.00-36.45	B 93 U NR	100 blows No recovery	36.00 06/10/2010 35.30	0.00 0800 1.08						
36.70-37.15	U 94	70 blows 350 mm rec	36.70	0.00						
37.15-37.35	D 95									
37.40-37.85	U 96	65 blows 360 mm rec	37.40	0.00						
37.85-38.05	D 97									
38.10-38.55	U 98	70 blows 270 mm rec	38.10	0.00						
38.55-38.75	D 99									
38.80-39.25	U 100	80 blows 400 mm rec	38.80	0.00						
39.25-39.45	D 101									
39.50-39.95 39.50-40.20	U NR B 102	75 blows No recovery	39.50	0.00						
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 45.30 m				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
40.20-40.65	U 103	80 blows 270 mm rec	40.20	0.00	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)						
40.65-40.85	D 104										
40.90-41.35 40.90-41.60	U NR B 105	80 blows No recovery	40.90	0.00							
41.60-42.05	U 106	75 blows 310 mm rec	41.60	0.00							
42.05-42.25	D 107										
42.30-42.75	U 108	65 blows 250 mm rec	42.30	0.00							
42.75-42.95	D 109										
43.00-43.45 43.00-43.70	U NR B 110	75 blows No recovery	43.00	0.00							
43.70-44.15	U 111	75 blows 400 mm rec	43.70	0.00							
44.15-44.35	D 112										
44.40-44.85 44.40-45.10	U NR B 113	70 blows No recovery	44.40	0.00							
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 45.30 m					

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 27.60m 200mm 150mm 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.10-45.55	U 114	60 blows 350 mm rec	45.10	0.00	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS) Very stiff brown slightly sandy CLAY. (LONDON CLAY A3ii)	45.30 -42.76		
45.55-45.75	D 115					(1.85)		
45.80-46.25	U 116	50 blows	45.50	6.30				
46.25-46.45	D 117							
46.50-46.95	U 118	50 blows 290 mm rec	45.50	8.90				
46.95-47.15	D 119		06/10/2010 45.50	9.20				
EXPLORATORY HOLE ENDS AT 47.15 m						47.15 -44.61		

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
		0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.49			
					Yellowish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint with occasional fine to medium gravel size shell fragments. (MADE GROUND)	(0.50)			
					Grey, locally dark grey, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint, concrete, brick and stainless steel. (MADE GROUND)	0.60 +0.99			
					ZONE OF CORE LOSS. Foreman reports soft sand and clay. (Probably MADE GROUND)	(0.60)			
1.20-2.90	3 N/A N/A					1.20 +0.39			
2.90-4.40	0 N/A N/A	Flush: 1.20-7.40 Mud, 100 %				(5.85)			
					2.85-2.90 m stainless steel fragments (100x50x11mm in size) 2.90-4.40 m foreman reports timber				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 7.05 m			

Groundwater Entries No. 1 Struck (m) 1.10 Post strike behaviour -	Depth sealed (m) -	Depth Related Remarks * From 1.20 to (m) 46.40 Geobor S extended pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
4.40-5.90	13 N/A N/A					ZONE OF CORE LOSS. Foreman reports soft sand and clay. (Probably MADE GROUND)			
5.70-5.90						5.70-5.90 m yellowish brown clay with fragments of brick and cardboard recovered			
5.90-7.40	23 N/A N/A								
7.05-7.40			CS 5	21/07/2010 7.40	0800 0.00	ZONE OF CORE LOSS. Foreman reports clay and peat. Stratum base depth uncertain. (Probably RECENT DEPOSITS)	7.05 -5.46		
7.40-8.90	23 N/A N/A		Flush: 7.40-8.90 Mud, 0 %	22/07/2010 7.40	0800 1.50				
8.90-9.65	27 N/A N/A					7.05-7.40 m PARTIAL CORE RECOVERY. Plastic, locally firm, dark brown and black slightly clayey amorphous, locally pseudo-fibrous PEAT with rare pockets of very soft greenish grey clay. Slight organic odour. (RECENT DEPOSITS) 8.55-8.63 m PARTIAL CORE RECOVERY. Very soft greenish grey clay with occasional plant material. 8.63-8.90 m PARTIAL CORE RECOVERY. Plastic, locally firm, dark brown and black slightly clayey amorphous, locally pseudo-fibrous PEAT with rare pockets of very soft greenish grey clay. Slight organic odour. (RECENT DEPOSITS) 9.45-9.65 m concrete and brick, probable	(4.85)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 11.90 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)					
9.65-10.40	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports clay and peat. Stratum base depth uncertain. (Probably RECENT DEPOSITS)					
10.40-11.15	0 N/A N/A										
11.15-11.90	0 N/A N/A										
11.90-12.65	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. Stratum boundary uncertain. (Probably CRAG DEPOSITS)			11.90	-10.31	
12.65-13.40	0 N/A N/A										
13.40-14.15	0 N/A N/A										
14.15-14.90	40 N/A N/A										
14.60-14.90			CS 6			14.60-14.90 m PARTIAL CORE RECOVERY. Grey, locally brownish grey, fine to coarse SAND with frequent fine					
Depth TCR SCR ROD If Records/Samples Date Casing Time Water						Stratum continues to 30.20 m					

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
14.90-15.65	91 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. Stratum boundary uncertain. (Probably CRAG DEPOSITS)			
15.65-16.40	0 N/A N/A								
16.40-17.15 16.78-17.15	49 N/A N/A		CS 7				16.78-17.15 m PARTIAL CORE RECOVERY (CRAG DEPOSITS)		
17.15-17.90	0 N/A N/A								
17.90-19.40	17 N/A N/A								
19.40-20.15	0 N/A N/A			22/07/2010 19.40	0.30	19.15-19.40 m PARTIAL CORE RECOVERY. Greenish grey slightly clayey sand with occasional brown staining			
				23/07/2010 19.40	0.50				
Stratum continues to 30.20 m									

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.15-20.90	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. Stratum boundary uncertain. (Probably CRAG DEPOSITS)	(18.30)		
20.90-21.65	33 N/A N/A		CS 8						
21.40-21.65						21.40-21.65 m PARTIAL CORE RECOVERY (CRAG DEPOSITS)			
21.65-22.40	0 N/A N/A								
22.40-23.15	0 N/A N/A								
23.15-23.90	0 N/A N/A								
23.90-24.65	100 N/A N/A		CS 9			23.90-24.45 m PARTIAL CORE RECOVERY. Grey locally brownish grey fine to coarse sand with frequent fine to medium gravel size shell fragments (CRAG DEPOSITS) 24.13-24.17 m claystone horizon 24.45-24.65 m PARTIAL CORE RECOVERY grey silty sand with occasional shell			
Stratum continues to 30.20 m									

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
24.65-25.40	93 N/A N/A			23/07/2010 25.40	0.45	ZONE OF CORE LOSS. Foreman reports sand. Stratum boundary uncertain. (Probably CRAG DEPOSITS)			
				26/07/2010 25.40	0800 0.00				
25.40-26.90	67 N/A N/A					25.90-26.90 m PARTIAL CORE RECOVERY. Greenish grey slightly silty fine to medium sand with very stiff grey clay horizons. (CRAG DEPOSITS)			
26.25-26.40			CS 13						
26.50-26.90			CS 10						
26.90-28.40	11 N/A N/A					28.23-28.40 m PARTIAL CORE RECOVERY. Greenish grey fine to medium sand (CRAG DEPOSITS)			
28.40-29.15	20 N/A N/A								
29.15-29.90	0 N/A N/A					29.00-29.15 m PARTIAL CORE RECOVERY. Greenish grey fine to medium sand (CRAG DEPOSITS)			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 30.20 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m 46.40m	to 9.00m 46.40m 122.90m	Diameter 250mm 200mm 146mm	Casing Depth 9.00m 46.40m 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
30.20-30.65 29.90-30.65	60 N/A N/A		CS 11			ZONE OF CORE LOSS. Foreman reports sand. Stratum boundary uncertain. (Probably CRAG DEPOSITS)			30.20 -28.61		
30.65-31.40	67 N/A N/A					Grey fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional greenish grey clayey bands. (CRAG DEPOSITS)			30.65-31.15 m NO RECOVERY		
31.40-32.15	87 N/A N/A					31.12-31.15 m greenish grey slightly clayey fine to medium sand horizon 31.40-31.50 m NO RECOVERY					
32.15-32.90	37 N/A N/A					32.15-32.62 m NO RECOVERY					
32.90-33.65	20 N/A N/A					32.88 m claystone horizon (less than 20mm in thickness) 32.90-33.50 m NO RECOVERY					
33.65-34.40	13 N/A N/A					33.65-34.30 m NO RECOVERY					
34.40-35.15	0 N/A N/A					34.40-35.45 m NO RECOVERY					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.40 m					

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
35.45-35.90 35.15-35.90	60 N/A N/A		CS 12			Grey fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional greenish grey clayey bands. (CRAG DEPOSITS)			
							35.90-36.31 m NO RECOVERY		
35.90-36.65	45 N/A N/A						36.31-36.65 m greenish grey silty fine to medium sand with frequent shell fragments		
							36.95 m silty fine to coarse sand pockets. (less than 5mm in size)	(13.20)	
36.65-37.40	100 N/A N/A						37.40-37.52 m NO RECOVERY		
37.40-38.15	84 N/A N/A						37.85-38.04 m occasional horizons of greenish grey clayey fine to medium sand 38.15-38.30 m NO RECOVERY		
38.15-38.90	80 N/A N/A			26/07/2010			38.75-38.90 m slightly clayey fine to coarse shelly sand		
				38.90	1.25				
				27/07/2010	0800				
39.25-39.65 38.90-39.65	100 N/A N/A		CS 14	38.90	2.50				
							39.65-40.87 m NO RECOVERY		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.40 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			Groundwater				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
39.65-40.40	0 N/A N/A					Grey fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional greenish grey clayey bands. (CRAG DEPOSITS)							
			Flush: 8 90-71.90 Mud, 100 %										
40.40-41.15	37 N/A N/A												
							41.15-41.54 m NO RECOVERY						
41.15-41.90	48 N/A N/A												
							41.90-42.41 m NO RECOVERY						
41.90-42.65	32 N/A N/A												
							42.65-43.20 m NO RECOVERY						
42.65-43.40	27 N/A N/A												
							43.20-43.40 m greenish grey and grey slightly clayey fine to coarse sand						
43.40-43.80			CS 15			Very stiff locally stiff dark brownish grey and grey, thinly laminated CLAY with occasional thin horizons of dark blueish grey claystone and occasional silt laminae. (London CLAY, A3ii)	43.40 -41.81						
43.40-44.15	100 N/A N/A						43.80-43.90 m vertical shear surface						
							44.22 m dark grey silt laminae 44.25-45.60 m occasional thin dark blueish grey claystone horizons						
44.15-44.90	100 N/A N/A												
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 51.90 m							

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m	Depth from 9.00m to 46.40m Diameter 200mm Casing Depth 46.40m	Depth from 46.40m to 122.90m Diameter 146mm Casing Depth 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
44.90-46.40	100 N/A N/A			27/07/2010 46.40	1.40	Very stiff locally stiff dark brownish grey and grey, thinly laminated CLAY with occasional thin horizons of dark blueish grey claystone and occasional silt laminae. (London CLAY, A3ii)	45.65-46.40 m few dark grey silt laminations	x		
46.40-47.90	10 N/A N/A			30/07/2010 46.40	0800 0.00		46.40-47.75 m NO RECOVERY (claystones)	x		
47.90-48.65	0 N/A N/A						47.75-47.90 m medium strong dark blueish grey mudstone/claystone 47.90-49.25 m NO RECOVERY (claystones)	x		
48.65-49.40	20 N/A N/A						49.25-49.40 m of very weak dark blueish grey claystone (<30mm)	x		
49.75-50.15 49.40-50.15	53 N/A N/A		CS 16				49.40-49.75 m NO RECOVERY (claystones)	x		
						Stratum continues to 51.90 m	(8.50)			

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m) 46.40 122.90 Geobor S clam bit used.	Chiselling Depths (m)	Time	Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_2 Sheet 10 of 25
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata		Groundwater		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
50.20-50.30			CS 19			Very stiff locally stiff dark brownish grey and grey, thinly laminated CLAY with occasional thin horizons of dark blueish grey claystone and occasional silt laminae. (London CLAY, A3ii)				
50.15-50.90	100 N/A N/A				50.25-50.33 m medium strong dark blueish grey claystone 50.47 m dark grey silty lamina 50.60-50.62 m dark grey silty sand 50.65-50.90 m planar, smooth, clean shear surface					
50.90-52.40	100 N/A N/A				51.59-51.62 m extremely weak dark blueish grey claystone					
51.80-52.20			CS 17							
						Very stiff dark greyish brown thinly laminated, extremely closely fissured CLAY with occasional very thin silty laminations. Locally grading to silty clay. (London CLAY, A2)	51.90 -50.31			
					52.34 m lignite nodule (11x8x5mm in size) 52.35 m dark grey silt lamination (less than 3mm in thickness) 52.40-52.45 m NO RECOVERY 52.71 m lignite nodule (9x6x4mm in size) 52.77 m extremely weak dark grey claystone 52.85-53.70 m becoming silty clay					
52.40-53.90	97 N/A N/A				53.80 m silt lamina 53.90 m lignite nodule (20x6x5mm in size)		(4.05)			
53.90-54.30	100 N/A N/A				54.20-54.30 m planar, smooth, clean shear surface					
54.80-55.20 54.30-55.40	100 N/A N/A		CS 18			54.70-54.80 m planar, smooth, clean shear surface				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 55.95 m				

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
55.40-56.90	100 N/A N/A			30/07/2010	2.80	Very stiff dark greyish brown thinly laminated, extremely closely fissured CLAY with occasional very thin silty laminations. Locally grading to silty clay. (London CLAY, A2)	55.37 m dark grey silt lamina (less than 4mm in thickness)			
				02/08/2010	0800					
56.90-58.40	63 N/A N/A					Stiff, locally very stiff light brownish grey mottled grey silty CLAY. (London CLAY, A1)	55.95 m occasional subrounded to rounded fine to medium gravel size flint		55.95 -54.36	(0.95)
58.50-58.90	100 N/A N/A		CS 20			Stiff, locally firm, greyish brown mottled grey thinly laminated silty CLAY interlaminated with occasional clay bands. Occasional cross lamination structures visible. (LAMBETH GROUP - CLAY)	58.25 m subangular medium to coarse gravel of claystone		56.90 -55.31	(4.60)
58.90-59.90	100 N/A N/A						59.90-60.46 m NO RECOVERY			
Stratum continues to 61.50 m										

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 12)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
59.90-61.40	63 N/A N/A					Stiff, locally firm, greyish brown mottled grey thinly laminated silty CLAY interlaminated with occasional clay bands. Occasional cross lamination structures visible. (LAMBETH GROUP - CLAY)					
61.75-62.15 61.40-62.15	100 N/A N/A		CS 21			Very stiff, locally stiff, thinly laminated brownish grey occasionally mottled blueish grey extremely closely fissured CLAY. (LAMBETH GROUP - CLAY)	61.50 -59.91				
62.15-62.90	100 N/A N/A						(1.40)				
62.90-64.40	60 N/A N/A					Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)	62.90 -61.31				
						62.70-62.90 m few nodules of lignite (30x10x5mm in size) 62.90-63.50 m NO RECOVERY					
						63.77 m lignite horizon (less than 3mm in thickness)	(3.00)				
						64.40-64.80 m NO RECOVERY					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 65.90 m					

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_2 Sheet 13 of 25
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			Groundwater Entries											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No.	Struck (m)	Post strike behaviour	Depth sealed (m)	Depth Related Remarks *	From	to (m)	Chiselling Depths (m)	Time	Tools used	
65.10-65.50 64.40-65.90	73 N/A N/A		CS 22			Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)														
						65.60 m lignite horizon (less than 2mm in thickness)														
65.90-66.65	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports soft grey sand. (Probably LAMBETH GROUP - SAND)	65.90 -64.31													
66.65-67.40	32 N/A N/A					67.16-67.40 m PARTIAL CORE RECOVERY. Light grey thinly laminated slightly silty fine to medium sand	(3.25)													
67.40-68.15	17 N/A N/A					68.02-68.15 m PARTIAL CORE RECOVERY. Light grey thinly laminated slightly silty fine to medium sand														
68.15-68.90	0 N/A N/A																			
68.90-69.65	67 N/A N/A					Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)	69.15 -67.56													
						69.50 m few pockets of greenish grey silty clay (less than 12mm in size)														
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 72.15 m														

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 13:59:17	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_2 Sheet 14 of 25
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
69.65-70.40	100 N/A N/A			02/08/2010 70.40	1.90	Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND) 70.40 m few nodules of lignite (less than 2mm in size)	(3.00)		
70.90-71.30			03/08/2010 70.40	0800 1.90	CS 23				
70.40-71.90	100 N/A N/A								
71.90-73.40	100 N/A N/A		Flush: 71.90-73.40 Mud, 50 %			Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY) 72.65-72.85 m pockets of white fine sand (less than 30mm in size) 73.45 m white fine sand pocket (less than 35mm in size) 73.90-74.00 m 1 No. 40-50 deg planar, smooth, clean fracture 74.90-76.40 m becoming silty	72.15 -70.56		
74.00-74.40					CS 24				
73.40-74.90	100 N/A N/A		Flush: 73.40-74.90 Mud, 70 %						
Stratum continues to 81.00 m									

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 15)				
74.90-76.40	53 N/A N/A		Flush: 74.90-76.40 Mud, 80 %			Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY)			(8.85)	
					76.60-76.85 m planar, smooth, clean vertical fracture					
77.10-77.50 76.40-77.90	100 N/A N/A		CS 25		76.85-77.10 m becoming silty					
					78.05-78.25 m planar, smooth, clean, vertical fracture					
77.90-79.40	100 N/A N/A		Flush: 76.40-80.90 Mud, 90 %		78.35-78.60 m becoming silty					
						79.40-79.82 m NO RECOVERY				
						79.82-80.75 m becoming reddish brown				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 81.00 m				

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 16)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
79.40-80.90 80.20-80.60	73 N/A N/A		CS 26	03/08/2010 80.90	3.50	Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY)					
80.90-82.40	100 83 83			04/08/2010 80.90	0800 3.10	Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)	81.00 -79.41				
82.40-83.90 83.20-83.60	83 77 73	70 240 340	CS 27				81.90 m fossil 38mm in size				
83.90-85.40	100 79 52						82.40-82.65 m AZCL				
Stratum continues to 101.40 m											

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 17)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
85.40-86.90	13 6 0					Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)	85.30-85.40 m Drilling induced non-intact 85.40 m extremely weak, low density 85.40-86.70 m AZCL		
86.90-87.65	0 N/A N/A		Flush: 80.90-93.65 Mud, 80 %				86.70-86.81 m drilling induced non-intact		
87.65-88.40 88.05-88.40	47 N/A N/A				CS 28				
88.40-89.90	33 10 0						88.40-89.40 m AZCL		
							89.40-89.59 m coarse gravel sized partially rinded to rinded flint with NI chalk matrix 89.58-90.65 m AZCL		
Stratum continues to 101.40 m									

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 18)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
89.90-90.65	91 81 81					Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)			
90.65-91.40	0 N/A N/A						90.54-90.58 m drilling induced non-intact		
91.40-92.15	0 N/A N/A								
92.15-92.90	40 5 0						92.15-92.60 m AZCL		
92.90-93.65	59 17 17		CS 29				92.60 m partially rinded flint 92.66-92.74 m drilling induced non-intact 92.75 m partially rinded flint cobble		
93.35-93.65							93.34-93.65 m AZCL		
93.65-94.40	100 93 75								
94.80-95.20			CS 30						
Stratum continues to 101.40 m									

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 46.40m 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 19)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
94.40-95.90	100 41 0					Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)			
		50 200 360							
							95.90-96.01 m core overdrill 96.01-96.24 m drilling induced non-intact		
95.90-97.40	23 0 0								
97.40-98.15	0 N/A N/A								
							98.15-98.70 m AZCL		
98.15-98.90	27 N/A N/A								
							98.70-98.83 m drilling induced non-intact with coarse gravel size partially rinded flint 98.83-98.90 m partially rinded flint cobble 99.05-99.27 m over cored 99.27-99.51 m AZCL		
98.90-100.40	84 10 0								
							99.70-99.88 m fine to medium rinded flint gravel chalk stained grey		
99.90-100.30			CS 31						
Stratum continues to 101.40 m									

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 20)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
100.40-101.90	29 N/A N/A			04/08/2010 100.40	2.90	Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)	100.40-100.60 m AZCL 100.60-101.90 m over cored. Drilling induced non-intact sections		
				05/08/2010 100.40	0800 2.80				
101.90-103.40	96 95 85					Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)	101.90-101.95 m AZCL	01.40	-99.81
103.54-103.95			CS 32						
103.40-104.90	95 60 40								
Stratum continues to 122.90 m									

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 21)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
104.90-106.40	0 N/A N/A					Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)			
106.40-107.15	0 N/A N/A								
107.50-107.90 107.15-107.90	100 13 13		CS 33				107.15-107.20 m drilling induced non-intact 107.20 m partially rinded flint cobble 107.35 m partially rinded flint cobble		
107.90-109.40	100 99 89		Flush: 93.65-122.90 Mud, 90 %				109.40-109.51 m AZCL		
Stratum continues to 122.90 m									

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 22)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
109.40-110.90	93 63 32					Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)			
110.50-110.90			CS 34						
110.90-112.40	13 8 0						110.90-112.20 m AZCL		
			240 930 1450					(21.50)	
112.40-113.50	0 N/A N/A								
113.50-113.90	73 38 38						113.50-113.53 m AZCL		
114.25-114.65 113.90-114.65	53 N/A N/A		CS 35				113.90-114.25 m AZCL		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 122.90 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 23)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
114.65-115.40	0 N/A N/A					Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)			
115.40-116.15	0 N/A N/A								
116.15-116.90	25 13 13			05/08/2010 116.90	2.40		116.15-116.71 m AZCL		
116.90-117.65	77 77 77			06/08/2010 116.90	0800 2.40				
117.97-118.40 117.65-118.40	57 N/A N/A		CS 36						
118.40-119.90	50 49 41								
							119.90-120.55 m AZCL		
Depth TCR SCR ROD If Records/Samples Date Casing Time Water						Stratum continues to 122.90 m			

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 24)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
120.48-120.90			CS 37			Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)			
119.90-121.40	57 28 28								
121.40-122.90	100 91 90			06/08/2010 122.90	2.40				
						EXPLORATORY HOLE ENDS AT 122.90 m	22.90 -121.31		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT		Start 13/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 4.00m Diameter 250mm Casing Depth 3.00m		Ground Level +1.62 mOD Coordinates E 647219.89 National Grid N 264196.13 Chainage					
Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
0.10 0.10-0.40	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.10 +1.52							
0.40 0.40-1.00	D 3 B 4				Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular fine to medium of chalk and flint. (MADE GROUND) 0.40 m cobble size pockets of coarse grey sand								
1.00	W 11												
1.20-1.65	U 5	23 blows		0.80		(2.50)							
1.65-1.85	D 6												
1.90-2.53	U 7	50 blows 370 mm rec	1.90	1.60									
2.35	D 8												
2.60-2.70 2.60-3.00	U NR B 9	100 blows No recovery	2.60	1.50	Greyish brown slightly silty gravelly SAND. Gravel is angular to subangular fine to coarse of concrete with rare wood and metal. (MADE GROUND)	2.60 -0.98							
3.00-3.20 3.00-3.60	U NR B 10	100 blows No recovery	3.00	2.00		(1.40)							
			13/10/2010 3.00	2.00									
					EXPLORATORY HOLE ENDS AT 4.00 m	4.00 -2.38							
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *		Chiselling Depths (m) Time Tools used				
					No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)				
					1	1.00	Rose to 0.80 m after 20 minutes.	-	1.20 3.20	1 No U100 Hammer weight used.	3.60 -4.00	60 mins	
									4.00	Borehole terminated due to concrete obstruction.			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 11:45:09					Project No. A0012-10					CBH 2009_2U			
AGS					Carried out for NNB Generation Company Limited					Sheet 1 of 1			

Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description) Orangish brown slightly silty SAND. (MADE GROUND)	0.10 +1.48 (0.50)	[Cross-hatched pattern]	[Diagonal lines pattern]			
0.60	D 2				Greyish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint, chalk and sandstone. (MADE GROUND)	0.60 +0.98					
1.30	D 3										
2.30	D 4										
3.50	D 5										
4.50	D 6										
			13/10/2010	5.00	3.50						
Depth	Type & No	Records	Date Casing	Time Water							

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m) 5.00 18.50 1 No U100 Hammer weight used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments						
5.00-5.45 5.00	U 8 D 7	* 26 blows 410 mm rec	5.00 14/10/2010	3.50 0800	Spongy black slightly sandy clayey pseudo-fibrous PEAT with occasional horizons of soft grey slightly sandy clay. (RECENT DEPOSITS)	5.00 -3.42								
5.45-5.65	D 9													
5.70-6.15	U 10	23 blows 300 mm rec	5.60	dry										
6.15-6.35	D 11													
6.40-6.85	U 12	30 blows	6.50	dry					(3.20)					
6.85-7.05	D 13													
7.10-7.55	U 14	30 blows	6.30	dry										
7.55-7.75	D 15													
7.80-8.25	U 16	35 blows 420 mm rec	6.30	dry										
8.20 8.25-8.45	W 18 D 17					Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			8.20 -6.62					
8.70-9.15	U 19	60 blows	8.70	0.00										
9.15-9.35	D 20													
9.40-9.85	U 21	55 blows	9.40	0.00										
9.85-10.05	D 22													
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m									

Groundwater Entries No. Struck Post strike behaviour 1 8.20 Rose to 4.50 m after 20 minutes.			Depth sealed (m) -	Depth Related Remarks * From to (m) 5.00 18.50 1 No U100 Hammer weight used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
10.10-10.55	U 23	60 blows	10.00	0.00	Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' marks]	[Symbol: Diagonal lines]		
10.55-10.75	D 24									
10.80-11.25	U 25	60 blows	10.80	0.00						
11.25-11.45	D 26									
11.50-11.95	U 27	70 blows 300 mm rec	11.50	0.00						
11.95-12.15	D 28									
12.20-12.65	U 29	50 blows 380 mm rec	12.20	0.00						
12.65-12.85	D 30									
12.90-13.35	U 31	70 blows	12.90	0.00						
13.35-13.55	D 32									
13.60-14.05	U 33	70 blows 370 mm rec	13.60	0.00						
14.05-14.25	D 34									
14.30-14.75	U 35	65 blows	14.30	0.00						
14.75-14.95	D 36									
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 43.30 m				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.00-15.45	U 37	75 blows 300 mm rec	15.00	0.00	Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
15.45-15.65	D 38							
15.70-16.15	U 39	50 blows 390 mm rec	15.70	0.00				
16.15-16.35	D 40							
16.40-16.85	U 41	50 blows 400 mm rec	16.40	0.00		16.40 m occasional pockets of soft brown sandy clay		
16.85-17.05	D 42					16.85-17.05 m locally grading to a sandy silt		
17.10-17.55	U 43	70 blows 400 mm rec	17.10	0.00				
17.55-17.75	D 44							
17.80-18.25	U 45	70 blows 380 mm rec	17.80	0.00				
18.25-18.45	D 46		14/10/2010					
18.50-18.95	U 47	70 blows 400 mm rec	18.50 15/10/2010	0.00 0800				
18.95-19.15	D 48							
19.20-19.65	U 49	50 blows	19.20	0.00				
19.65-19.85	D 50							
19.90-20.35	U 51	60 blows 420 mm rec	19.90	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m) 18.50 44.65 2 No U100 Hammer weights used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_2UA Sheet 4 of 9
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Scale 1:25

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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.00-20.55	D 52				Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
20.60-21.05	U 53	60 blows	20.60	0.00				
21.05-21.25	D 54							
21.30-22.00 21.30-22.00	U NR B 55	60 blows No recovery	21.30	0.00				
22.00-22.45 22.00-22.70	U NR B 56	70 blows No recovery	22.00	0.00				
22.70-23.15 22.70-23.40	U NR B 57	75 blows No recovery	22.70	0.00				
23.40-23.85	U 58	80 blows 390 mm rec	23.40	0.00				
23.85-24.05	B 59							
24.10-24.55	U 60	85 blows 350 mm rec	24.10	0.00				
24.55-24.75	D 61							
24.80-25.25 24.80-25.50	U NR B 62	75 blows No recovery	24.80	0.00				
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 43.30 m		

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
25.50-25.95	U 63	200 blows 300 mm rec	25.50	0.00	Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(35.10)			
25.95-26.15	D 64								
26.20-26.65 26.20-26.90	U NR B 65	90 blows No recovery	26.20	0.00					25.95 m very thin horizon of soft grey very sandy clay 25.95-26.15 m horizon of grey very sandy silt
26.90-27.35 26.90-27.60	U NR B 66	95 blows No recovery	26.90	0.00					
			15/10/2010						
27.60-28.05	U 67	80 blows 250 mm rec	27.60	0.20					
			16/10/2010	0800					
			27.60	0.90					
28.05-28.25	B 68								
28.30-28.75	U 69	90 blows 350 mm rec	28.30	0.00					
28.75-28.95	D 70								
29.00-29.45	U 71	100 blows 400 mm rec	29.00	0.00					
29.45-29.65	D 72								
29.70-30.15	U 73	120 blows 360 mm rec	29.70	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m) 27.60 35.25 Water added.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.15-30.35	D 74				Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: x]	[Symbol: /]
30.40-30.85 30.40-31.10	U NR B 75	100 blows No recovery	30.40	0.00				
31.10-31.55 31.10-31.80	U NR B 76	130 blows No recovery	31.10	0.00				
31.80-32.25	U 77	120 blows 300 mm rec	31.80	0.00				
32.25-35.45	D 78							
32.50-32.95 32.50-33.20	U NR B 79	130 blows No recovery	32.50	0.00				
33.20-33.65	U 80	130 blows 320 mm rec	33.20	0.00				
33.65-33.85	D 81							
33.90-34.35 33.90-34.60	U NR B 82	130 blows No recovery	33.90	0.00				
34.60-35.05	U 83	130 blows 300 mm rec	34.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_2UA Sheet 7 of 9
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.05-35.25	D 84		16/10/2010		Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Pattern]	[Hatched]
			35.25	1.30				
35.30-35.75	U 85	90 blows 400 mm rec	35.30 17/10/2010	0.00 0800				
			35.25	0.90				
35.75-35.95	D 86							
36.00-36.45	U NR	90 blows No recovery	36.00	0.00				
36.70-37.15 36.70	U 88 B 87	100 blows 300 mm rec	36.70	0.00				
37.15-37.35	D 89							
37.40-37.85	U 90	100 blows 300 mm rec	37.40	0.00				
37.85-38.05	D 91							
38.10-38.55	U 92	110 blows 350 mm rec	38.10	0.00				
38.55-38.75	D 93							
38.80-39.25	U 94	120 blows 320 mm rec	38.80	0.00				
39.25-39.45	D 95							
39.50-39.95	U 96	110 blows 350 mm rec	39.50	0.00				
39.95-40.15	D 97							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.20-40.65	U 98	100 blows 380 mm rec	40.20	0.00	Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: x]	[Symbol: /]
40.65-40.85	D 99							
40.90-41.35 40.90-41.60	U NR B 100	100 blows No recovery	40.90	0.00				
41.60-42.05	U 101	110 blows 320 mm rec	41.60	0.00				
42.05-42.25	D 102							
42.30-42.75 42.30-43.00	U NR B 103	115 blows No recovery	42.30	0.00				
43.00-43.30 43.00-43.30	U NR B 104	200 blows No recovery	43.00	0.00				
43.30-43.75 43.30	U 106 D 105	70 blows	43.30	0.00		43.30 -41.72		
43.75-43.95	D 107					(1.35)		
44.00-44.45	U 108	70 blows 250 mm rec	43.60	2.30				
44.45-44.65	D 109		17/10/2010 43.60	2.50		44.65 -43.07		
					EXPLORATORY HOLE ENDS AT 44.65 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used



Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT		Start 12/11/2010 End 18/11/2010		Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.		Depth from 0.00m to 5.00m 5.00m to 18.00m 18.00m to 54.00m 54.00m to 58.50m		Diameter 228mm 194mm 140mm 86mm		Casing Depth 5.00m 18.00m 54.00m		Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage		
Samples and Tests						Strata								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description				Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.00-2.00	75 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)				0.00-0.50 m NO RECOVERY (2.00)				
2.00-3.00	52 N/A N/A			12/11/2010 3.00	1800	SAND. (Foreman's description) (MADE GROUND)				2.00-2.48 m NO RECOVERY (0.48)				
				13/11/2010 3.00	0800	Yellowish brown slightly silty gravelly SAND with occasional fine to coarse gravel size shell fragments. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)				2.48-+9.36 (0.92)				
3.00-4.50	100 N/A N/A					Brown silty slightly gravelly SAND with rare fine to coarse gravel size shell fragments. Gravel is subrounded of flint. (MADE GROUND)				3.40-3.51 m dark brown fine to coarse sand (0.80)				
						Orangish brown silty gravelly, locally very gravelly, SAND with rare fine to coarse gravel size shell fragments. Gravel is subangular to rounded fine to medium of flint. (MADE GROUND)				3.94-4.03 m dark brown fine to coarse sand (0.80)				
										4.20-+7.64 (0.80)				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water									
Groundwater Entries				Depth sealed (m)		Depth Related Remarks *				Chiselling Depths (m) Time Tools used				
No. Struck Post strike behaviour (m)						From to (m)								
None observed (see Key Sheet)						3.00 22.50 Water added to assist boring.								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for						Borehole CBH 2009_3 Sheet 1 of 12		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:05:44						AGS								

Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m 5.00m 18.00m 54.00m	to 5.00m 18.00m 54.00m	Diameter 228mm 194mm 140mm 86mm	Casing Depth 5.00m 18.00m 54.00m	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
4.50-6.00	52 N/A N/A					Reddish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	5.00 +6.84 (0.28)		
						SAND. (Foreman's description) (MADE GROUND)	5.28 +6.56 (0.72)		
6.00-7.50	100 N/A N/A					Yellowish brown gravelly SAND with rare fine to coarse gravel size shell fragments. Gravel is subangular fine to medium of flint. (MADE GROUND)	6.00 +5.84 (1.27)		
						Orangish brown slightly silty gravelly SAND with rare wood fragments up to 20mm in size. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	7.27 +4.57 7.50 +4.34		
7.50-9.00	47 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	(0.80)		
						Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	8.30 +3.54 8.55 +3.29		
9.00-10.50	63 N/A N/A					Orangish brown slightly silty gravelly SAND with frequent fine to coarse gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	(0.45)		
						SAND. (Foreman's description) (MADE GROUND)	9.00 +2.84 (0.55)		
						Orangish brown slightly silty slightly gravelly SAND with frequent fine to coarse gravel size shell fragments. Gravel is subangular to subrounded fine and medium of flint.	9.55 +2.29		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 10.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m 18.00m 18.00m 54.00m 54.00m 86mm	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
						(Possible MADE GROUND) 10.04-10.06 m light grey clay	(1.10)		
10.50-12.00	100 N/A N/A					Brown slightly silty SAND with rare fine to coarse gravel size shell fragments and rare rootlets. (Possible RECENT DEPOSITS) 11.07-11.22 m occasional wood fragments 11.43-11.60 m dark grey brown	10.65 +1.19 (1.05)		
						Brown clayey gravelly SAND with frequent fragments of wood. Gravel is subangular to subrounded fine to coarse of flint. (Possible RECENT DEPOSITS) 12.00-12.05 m NO RECOVERY	11.70 +0.14 (0.70)		
12.00-13.50	97 N/A N/A					Grey silty SAND with frequent fine to coarse gravel size shell fragments. (Possible RECENT DEPOSITS) 13.50-13.84 m rare shell fragments 13.84-13.95 m grey siltstone cobble	12.40 -0.56 (1.55)		
13.50-15.00	30 N/A N/A					SAND and COBBLES. (Foreman's description) (Possible RECENT DEPOSITS) 13.95-15.00 m NO RECOVERY	13.95 -2.11 (1.05)		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
15.00-16.50	100 N/A N/A					Greyish brown silty SAND with frequent fine to coarse gravel size shell fragments. (Possible RECENT DEPOSITS)	15.00 -3.16 (0.65)				
						Firm dark brown and black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	15.74-15.90 m brown fine and medium sand (0.68)				
16.50-18.00	100 N/A N/A					Soft grey CLAY. (RECENT DEPOSITS)	16.33 -4.49 (0.97)				
						Firm dark brown and black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	17.30 -5.46 (0.70)				
						SAND. (Foreman's description) (RECENT DEPOSITS)	18.00-18.50 m NO RECOVERY (0.50)				
18.00-19.50	67 N/A N/A					Plastic dark brown and black amorphous PEAT. (RECENT DEPOSITS)	18.50 -6.66 (1.00)				
						Blue grey slightly silty SAND. (Possible RECENT DEPOSITS)	19.50 -7.66 (0.80)				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.30 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m 18.00m 18.00m 54.00m 54.00m 140mm 86mm	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
19.50-21.00	100 N/A N/A					Blue grey slightly silty SAND. (Possible RECENT DEPOSITS)			
						Brown slightly silty SAND with occasional fine to coarse gravel size shell fragments. (Possible CRAG DEPOSITS)	20.30 -8.46 (0.70)		
						20.74-20.77 m red brown laminated clay 20.77-20.93 m dark brown			
						SAND. (Foreman's description) (Possible CRAG DEPOSITS)	21.00 -9.16 (0.40)		
						Brown slightly silty SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	21.40 -9.56 (0.30)		
21.00-22.50	73 N/A N/A			13/11/2010 22.50	1800	Orangish brown SAND. (CRAG DEPOSITS)	21.70 -9.86 (1.40)		
				14/11/2010 22.50	0800	22.50-22.65 m NO RECOVERY			
22.50-24.00	90 N/A N/A					Orangish brown SAND with occasional fine to coarse gravel size shell fragments and occasional pockets of dark orangish brown laminated clay. (CRAG DEPOSITS)	23.10 -11.26 (1.00)		
24.00-25.50	100 N/A N/A					Brown becoming greyish brown SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	24.10 -12.26 (1.25)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 25.35 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m 5.00m 18.00m 54.00m	to 5.00m 18.00m 54.00m 58.50m	Diameter 228mm 194mm 140mm 86mm	Casing Depth 5.00m 18.00m 54.00m	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
25.50-27.00	100 N/A N/A			14/11/2010	1800	Brown becoming greyish brown SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	25.35 -13.51		
				24.00		Greyish brown SAND. (CRAG DEPOSITS)	(1.40)		
27.00-28.50	100 N/A N/A			15/11/2010	0800		26.15-26.40 m dark orange brown		
				24.00			26.40-26.50 m occasional fine to coarse gravel size shell fragments		
28.50-30.00	23 N/A N/A			15/11/2010	1800	Brown SAND with rare fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	26.75 -14.91		
				27.00			(0.55)		
28.50-30.00	23 N/A N/A			16/11/2010	0800	Greyish brown SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	27.30 -15.46		
				27.00			(1.20)		
28.50-30.00	23 N/A N/A			16/11/2010	0800	SAND with shells. (Foreman's description) (CRAG DEPOSITS)	28.50 -16.66		
				27.00			(1.15)		
28.50-30.00	23 N/A N/A						28.50-29.65 m NO RECOVERY		
28.50-30.00	23 N/A N/A					Brown SAND. (CRAG DEPOSITS)	29.65 -17.81		
							(0.35)		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
30.00-31.50	0 N/A N/A					SAND with shells. (Foreman's description) (CRAG DEPOSITS)	30.00 -18.16 (1.50)				
31.50-33.00	100 N/A N/A					Grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	31.50 -19.66 (1.50)				
33.00-34.50	100 N/A N/A					Grey SAND with rare fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	33.00 -21.16 (1.50)				
						SAND with shells. (Foreman's description) (CRAG DEPOSITS)	34.50 -22.66 (0.50)				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
34.50-36.00	67 N/A N/A					Grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	35.00 -23.16		
36.00-37.50	100 N/A N/A			16/11/2010 37.50	1800	36.80-36.84 m grey fine sand			
37.50-39.00	100 N/A N/A			17/11/2010 37.50	0800	37.23-37.25 m brown grey clay 37.35-37.50 m occasional pockets of brown grey clay	(5.20)		
39.00-40.50	100 N/A N/A					38.85-38.87 m grey clay 39.33-39.36 m laminated claystone horizon			
Stratum continues to 40.20 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m 18.00m 54.00m 140mm 86mm	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
						Grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	40.20 -28.36		
						Grey SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)			
40.50-42.00	87 N/A N/A					40.50-40.70 m NO RECOVERY			
						41.60-42.00 m slightly clayey			
42.00-43.50	100 N/A N/A						(4.80)		
43.50-45.00	100 N/A N/A								
						44.60-45.00 m slightly silty			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 5.00m Diameter 228mm Casing Depth 5.00m 18.00m 18.00m 54.00m 54.00m 86mm	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.00-46.50	0 N/A N/A					Clayey SAND with shells. (Foreman's description) (CRAG DEPOSITS)	45.00 -33.16 (1.50)		
46.50-48.00	100 N/A N/A					Grey SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	46.50 -34.66 (3.00)		
48.00-49.50	100 N/A N/A					49.07-49.09 m grey fine and medium sand			
						49.50-50.10 m Clayey SAND with shells. (Foreman's description) (CRAG DEPOSITS)	49.50 -37.66 (0.60)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 50.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m 18.00m 54.00m 140mm 54.00m 54.00m 58.50m 86mm	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
49.50-51.00	60 N/A N/A			17/11/2010	1800	Clayey SAND with shells. (Foreman's description) (CRAG DEPOSITS) Grey slightly silty SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	50.10 -38.26 (0.90)				
51.00-52.50	37 N/A N/A			18/11/2010	0800	Clayey SAND with shells. (Foreman's description) (CRAG DEPOSITS)	51.00 -39.16 (0.95)				
52.50-54.00	100 N/A N/A					Grey silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	51.95 -40.11 (0.55)				
54.00-55.50	100 N/A N/A					Grey SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	52.50 -40.66 (2.65)				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 55.15 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
						Grey SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	55.15 -43.31		
						Grey slightly silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(0.35)		
						Stiff grey brown slightly silty CLAY. (LONDON CLAY A3ii)	55.50 -43.66		
55.50-58.50	98 N/A N/A			18/11/2010	1800 54.00	55.50-55.55 m NO RECOVERY	(3.00)		
						EXPLORATORY HOLE ENDS AT 58.50 m	58.50 -46.66		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.20-0.50 0.20-0.50	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.	07/07/2010 1.20	dry	Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.10	+1.69	1	
0.50-1.00 0.50-1.00	D 3 B 4					(2.10)			
1.20-2.20 1.81-2.20	39 N/A N/A	CS 5	08/07/2010 1.20	0800 dry	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	1.20-1.81 m no recovery			
2.20-2.60	0 N/A N/A					2.20	-0.41		
2.60-3.60	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports soft sands. (MADE GROUND/RECENT DEPOSITS)				
3.60-4.00	0 N/A N/A								
4.00-5.00	0 N/A N/A	Flush: 1.20-7.00 Water/mud, 100 %				(4.30)			
Stratum continues to 6.50 m									

Groundwater Entries No. 1 Struck (m) 1.00 Post strike behaviour 20	Depth sealed (m) -	Depth Related Remarks * From 1.20 to 37.00 (m) Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.00-6.50	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports soft sands. (MADE GROUND/RECENT DEPOSITS)			
6.50-7.00	100 N/A N/A			08/07/2010 7.00	0.00	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	6.50 -4.71		
			Flush: 7.00-7.50 Water/mud, 50 %	09/07/2010 7.00	0800 0.60	Plastic dark brown clayey amorphous PEAT. (Stratum base depth uncertain). (RECENT DEPOSITS)	6.75 -4.96		
7.00-8.50	43 N/A N/A						(1.75)		
8.10-8.50			CS 6	09/07/2010 8.00	0.20				
8.50-9.25	0 N/A N/A			10/07/2010 8.00	0800 0.35	ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	8.50 -6.71		
9.25-10.00	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 25.15 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used



Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.00-11.00	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)			
11.00-11.50	0 N/A N/A				11.00-12.00 m foreman reports sand and small gravel				
11.50-12.00	0 N/A N/A								
12.00-12.50	0 N/A N/A				12.00-13.50 m foreman reports sands				
12.50-13.00	0 N/A N/A								
13.00-13.50	0 N/A N/A								
13.50-14.00	0 N/A N/A				13.50-14.50 m foreman reports sand and gravel bands				
14.00-14.50	0 N/A N/A								
14.50-15.00	0 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 25.15 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.00-15.50	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)			
15.50-16.00	0 N/A N/A				15.00-17.50 m foreman reports sand and shells				
16.00-16.50	0 N/A N/A								
16.50-17.00	0 N/A N/A								
17.00-17.50	0 N/A N/A								
17.50-18.00	0 N/A N/A				17.50-18.50 m foreman reports light brown sand				
18.00-18.50	0 N/A N/A								
18.50-19.00	0 N/A N/A								
19.00-19.50	0 N/A N/A								
19.50-20.00	0 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 25.15 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.00-21.50	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)			
21.50-22.00	0 N/A N/A			10/07/2010 22.00	0.45				
22.00-22.75	0 N/A N/A			11/07/2010 22.00	0800 0.40				
22.75-23.50	0 N/A N/A								
23.50-24.25	0 N/A N/A								
24.25-25.00	0 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 25.15 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.00-25.75	77 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	25.15 -23.36		
25.85-26.25			CS 7			Grey fine to coarse SAND with frequent shell fragments (less than 25mm in size) (CRAG DEPOSITS)	(1.35)		
25.75-26.50	80 N/A N/A					25.75-25.90 m NO RECOVERY 26.30-26.40 m silt horizon			
26.50-27.25	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)	26.50 -24.71		
27.25-28.00	0 N/A N/A								
28.00-28.75	40 N/A N/A					28.45-28.75 m partial core recovery, grey fine to coarse sand with frequent shell fragments (less than 25mm in size)			
28.75-29.50	0 N/A N/A								
29.50-30.25	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 41.10 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_4 Sheet 6 of 12
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Scale 1:25

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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick trol, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
30.25-31.00	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
31.00-31.75	0 N/A N/A		Flush: 7.50-55.15 Water/mud, 100 %						
31.75-32.50	0 N/A N/A								
32.50-33.25	67 N/A N/A				32.65-33.25 m partial core recovery, grey fine to coarse sand with frequent shell fragments (less than 25mm in size)				
33.25-34.00	0 N/A N/A						(14.60)		
34.00-34.75	0 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 41.10 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
34.75-35.50	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
35.50-36.25	0 N/A N/A								
36.25-37.00	0 N/A N/A			11/07/2010 37.00	0.00				
37.00-37.75	0 N/A N/A			13/07/2010 37.00	0800 0.30				
37.75-38.50	0 N/A N/A								
38.50-39.25	0 N/A N/A								
39.25-40.00	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 41.10 m			

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m) 37.00 55.15 Geobor S surface set 7 step bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.00-40.75	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
40.75-41.50	53 N/A N/A					Grey fine to coarse SAND with frequent shell fragments (less than 25mm in size). (CRAG DEPOSITS)	41.10 -39.31 41.50-41.55 m NO RECOVERY (1.40)		
41.50-43.00	97 N/A N/A					Very stiff, locally stiff, grey and dark grey thinly laminated extremely closely fissured CLAY with occasional thin laminae of silt. (LONDON CLAY A3)	42.50 -40.71 43.00-44.15 m NO RECOVERY		
43.00-44.50	23 N/A N/A								
44.15-44.50			CS 8						
44.50-45.25	80 N/A N/A					44.50-44.65 m NO RECOVERY 44.85 m dark grey lamina of silt			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 52.40 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.25-45.80	100 N/A N/A					Very stiff, locally stiff, grey and dark grey thinly laminated extremely closely fissured CLAY with occasional thin laminae of silt. (LONDON CLAY A3)			
45.80-45.95			CS 10		45.68-46.00 m medium strong dark blueish grey claystone				
45.80-47.30	100 N/A N/A				46.80 m claystone horizon (less than 15mm in thickness)				
47.55-47.95			CS 9		(9.90)				
48.00-48.20 47.30-48.80	100 N/A N/A		CS 11		48.00-48.20 m weak dark blueish grey claystone				
				13/07/2010 48.00	0.00				
				14/07/2010 48.00	0800 0.65	48.80-49.10 m NO RECOVERY			
48.80-50.30	80 N/A N/A					49.35 m occasional light grey silt lamina			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 52.40 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used



Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
50.30-50.75			CS 12			Very stiff, locally stiff, grey and dark grey thinly laminated extremely closely fissured CLAY with occasional thin laminae of silt. (LONDON CLAY A3)			
50.30-51.65	100 N/A N/A					50.25-50.30 m weak dark blueish grey claystone			
51.65-53.15	100 N/A N/A					51.30-51.34 m light brownish grey cross bedded laminae of silt			
53.15-54.65	100 N/A N/A					51.90-52.40 m planar smooth vertical fissure slight silt infill			
53.50-53.90			CS 13			Very stiff grey thinly laminated extremely closely fissured CLAY with frequent thin laminae of light brownish grey silt. (LONDON CLAY A2)	52.40 -50.61		
54.65-55.15	100 N/A N/A			14/07/2010		52.45 m lignite nodule (50x10x10mm in size)			
						52.70-52.80 m planar smooth clean shear surface			
						54.10 m pyrite nodule (10x8x5mm in size)	(2.75)		
Stratum continues to 55.15 m									

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_4 Sheet 11 of 12
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Borehole Log



Soil Mechanics

Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests					Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
				54.50	0.00	Very stiff grey thinly laminated extremely closely fissured CLAY with frequent thin laminae of light brownish grey silt. (LONDON CLAY A2)	55.15 -53.36			
						55.09-55.15 m silty slightly sandy clay parting				
						EXPLORATORY HOLE ENDS AT 55.15 m				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water					

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 25.50m 45.65m 150mm 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10-0.50	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)		0.10 +1.71		
0.50-1.00	D 2				Orange brown becoming yellowish brown slightly gravelly, locally slightly silty fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of various lithologies including flint and claystone. (MADE GROUND)				
1.00-1.20	D 3								
1.20-1.65	U 4	13 blows		1.00					
1.65-1.85	D 5								
1.85-2.30	U 6	11 blows	1.80	1.00					
2.30-2.50	D 7								
2.50-2.95	U 8	12 blows	2.45	0.90					
2.95-3.15	D 9						(5.30)		
3.15-3.60	U 10	13 blows	3.05	1.10					
3.60-3.80	D 11								
3.80-4.25	U 12	14 blows	3.75	1.10					
4.25-4.45	D 13		02/09/2010						
4.45-4.90	U 14	40 blows	4.45	1.00					
			03/09/2010	0800					
			4.45	1.00					
4.90	D 15								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 5.40 m				

Groundwater Entries No. 1 Struck (m) 1.00 Post strike behaviour Remained at 1.00 m after 20 minutes.			Depth sealed (m) -	Depth Related Remarks * From 0.00 to (m) 9.50 1 No U100 Hammer weight used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m	to 25.50m Diameter 200mm Casing Depth 25.50m	to 45.65m Diameter 150mm Casing Depth 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.10-5.28	U 16	54 blows	5.00	0.45	Orange brown becoming yellowish brown slightly gravelly, locally slightly silty fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of various lithologies including flint and claystone. (MADE GROUND)	5.40 -3.59		
5.30	D 17							
5.40-5.85	U 18	44 blows	5.30	0.25	Firm dark brown pseudo-fibrous PEAT. (RECENT DEPOSITS)	(2.00)		
5.90	D 19							
6.00-6.45	U 20	39 blows	5.90	0.40				
6.50-6.95 6.50	U 22 D 21	38 blows	5.45	0.35	Greyish brown fine to coarse SAND. (CRAG DEPOSITS)	7.40 -5.59		
7.00-7.45 7.00	U 24 D 23	47 blows	6.90	0.40				
7.50	D 25							
8.00-8.45	U 26	21 blows	7.80	0.60				
8.50 8.55-9.00	D 27 U 28	65 blows	8.40	0.45	Stratum continues to 17.40 m			
9.10-9.55 9.10	U 30 D 29	77 blows	9.00	0.40				
9.60 9.65-10.10	D 31 U 32	54 blows	03/09/2010 9.00	1.00				
			9.50 04/09/2010	0.00 0800				
			9.00	1.00				

Groundwater Entries		Depth Related Remarks *		Chiselling	
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)
				9.50	45.65
				2. No U100 Hammer weights used.	
				7.50	7.90
				45 mins	
				Tools used	

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_4U
Scale 1:25	Project No. A0012-10	Sheet 2 of 10
(c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 11:54:39	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m Dando 9.60m 25.50m	to 9.60m 25.50m 45.65m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 25.50m 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.15 10.20-10.65	D 33 D 34		10.00	0.00	Greyish brown fine to coarse SAND. (CRAG DEPOSITS)			
10.70 10.75-11.20	D 35 U 36	37 blows	10.50	0.00				
11.30 11.35-11.80	D 37 U 38	38 blows	11.00	0.00		11.30 m pockets of soft brown sandy clay		
11.85 11.90-12.35	D 39 U 40	42 blows	11.70	0.00				
12.40 12.45-12.90	D 41 U 42	41 blows	12.20	0.00			(10.00)	
12.95 13.00-13.45	D 43 U 44	48 blows	12.70	0.00		12.95 m occasional shelly		
13.50 13.55-14.00	D 45 U 46	46 blows	13.20	0.00				
14.05 14.10-14.55	D 47 U NR	49 blows No recovery	13.90	0.00				
14.55-15.00	U 48	47 blows	14.25	0.00				
			04/09/2010					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 17.40 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_4U
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 11:54:44	Project No. A0012-10	Sheet 3 of 10
	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 9.60m 25.50m	to 9.60m 25.50m 45.65m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 25.50m 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.10	D 49		15.10	0.40	Greyish brown fine to coarse SAND. (CRAG DEPOSITS)			
15.20-15.65	U 50	50 blows	05/09/2010	0800				
			15.10	1.00				
15.70	D 51		15.60	0.00	Orangish brown locally slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	17.40	-15.59	
15.75-16.20	U 52	52 blows						
16.30	D 53							
16.90-17.35	U 54	51 blows	16.70	0.00				
17.40	D 55		17.30	0.00				
17.45-17.90	U 56	47 blows						
17.95	D 57		17.70	0.00				
18.00-18.45	U 58	46 blows						
18.50	D 59		18.40	0.00				
18.60-19.05	U 60	44 blows						
19.10	D 61		19.00	0.00				
19.20-19.65	U 62	46 blows						
19.70	D 63		19.60	0.00				
19.75-20.20	U 64	47 blows						
					Stratum continues to 21.50 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used

Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 9.60m 25.50m	to 9.60m 25.50m 45.65m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 25.50m 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.25 20.30-20.75	D 65 U 66	49 blows	20.15	0.00	Orangish brown locally slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
20.80-21.30 20.80	U NR D 67	52 blows No recovery	20.60	0.00				
			05/09/2010					
			21.30	0.65				
21.35 21.45-21.90	D 68 U 69	53 blows	06/09/2010	0800	Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)	21.50	-19.69	
			21.35	0.30				
			21.30	1.00				
21.95 22.00-22.45	D 70 U 71	76 blows	21.90	0.30				
22.50	D 72							
22.65-23.10	U 73	86 blows	22.50	0.00				
23.15 23.20-23.65	D 74 U 75	84 blows	23.00	0.00				
			06/09/2010					
			22.20	0.80				
23.70 23.75-24.20	D 76 U 77	130 blows	23.50	0.00				
			07/09/2010	0800				
			22.20	1.00				
24.25 24.30-24.75	D 78 U 79	160 blows	24.00	0.00				
24.80 24.85-25.30	D 80 U 81	185 blows	24.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.90 m			

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 23.75 -24.20 60 mins 24.20 -24.30 30 mins
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_4U Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 9.60m 25.50m	to 9.60m 25.50m 45.65m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 25.50m 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.35 25.40-25.85	D 82 U 83	130 blows	07/09/2010 23.50 25.20	0.00	Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)		[Pattern]	[Hatched]
			08/09/2010 23.50	0800 1.00				
25.90 25.95-26.40	D 84 U 85	136 blows	25.65	0.00				
26.45 26.50-26.95	D 86 U 87	140 blows	26.30	0.00				
27.00 27.05-27.50	D 88 U 89	131 blows	26.80	0.00				
27.55 27.60-28.05	D 90 U 91	135 blows	27.40	0.00				
28.10 28.20-28.65	D 92 U 93	140 blows	28.00	0.00				
28.70 28.85-29.20	D 94 U 95	147 blows	28.60	0.30				
29.25	D 96							
29.90-30.35	U NR	140 blows No recovery	29.60	0.30				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.90 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
							25.35 -25.50	30 mins	

Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 9.60m 25.50m	to 9.60m 25.50m 45.65m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 25.50m 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.50-30.95	U 97	143 blows	08/09/2010 30.10	0.00	Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)	(22.40)	[Symbol: x]	[Symbol: /]
31.00	D 98		09/09/2010 30.10	0800 1.00				
31.25-31.70	U 99	137 blows	31.00	0.00				
31.75	D 100							
32.00-32.35	U 101	172 blows	31.80	0.00				
32.40	D 102							
32.55-33.00	U NR	166 blows No recovery	32.30	0.00				
33.20-33.65	U 103	157 blows	33.20	0.00				
33.70	D 104							
33.80-34.25	U 105	152 blows	33.60	0.00				
34.30	D 106							
34.40-34.85	U NR	144 blows No recovery	34.30	0.00				
			09/09/2010 35.00	1.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.90 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
No.	Struck (m)	Post strike behaviour							

Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 9.60m 25.50m	to 9.60m 25.50m 45.65m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 25.50m 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.00-35.45	U 107	132 blows	34.80	0.00	Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)			
			10/09/2010	0800				
			35.00	1.00				
35.50	D 108							
35.75-36.20	U NR	124 blows No recovery	35.55	0.00				
36.45-36.90	U 109	111 blows	36.30	0.00				
			10/09/2010					
			37.00	0.35				
37.00-37.45 37.00	U NR D 110	84 blows No recovery	36.70	0.00				
			13/09/2010	0800				
			37.00	1.00				
37.70-38.15	U 111	86 blows	37.40	0.00				
38.20	D 112							
38.40-38.85 38.40-39.00	U NR B 113	80 blows No recovery	38.20	0.00				
39.00-39.45 39.00-40.00	U NR B 114	88 blows No recovery	38.70	0.00				
39.55-40.00	U NR	82 blows No recovery	39.30	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.90 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used

Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 9.60m 9.60m 25.50m	to 9.60m 25.50m 45.65m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 25.50m 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)						
40.00-41.00	B 115				Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)	40.00-41.00 m locally weakly cemented					
40.20-40.65	U NR	85 blows No recovery	39.90 13/09/2010 40.50	0.00 0.45							
40.65-41.10	U NR	82 blows No recovery	14/09/2010 40.40 40.50	0800 0.00 1.00							
41.00-42.00	B 116										
41.10-41.55	U NR	80 blows No recovery	40.80	0.00							
41.55-42.00	U NR	91 blows No recovery	41.10	0.00							
42.00-43.00 42.05-42.50	B 117 U NR	76 blows No recovery	41.90	0.00							
42.55-43.00	U NR	80 blows No recovery	42.10	0.00							
43.05-43.50	U 118	78 blows	42.70	0.00							
43.90-44.35	U 119	80 blows	43.70	0.00							
44.40	D 120										
44.55-45.00	U 121	114 blows	44.10	0.00							
							Dark grey thinly laminated silty CLAY. (LONDON CLAY A3ii)	43.90	-42.09		
									(1.75)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.65 m						

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 25.50m 45.65m 150mm 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
			14/09/2010		Dark grey thinly laminated silty CLAY. (LONDON CLAY A3ii)					
-45.65	D-122		44.10	0.45		45.65 -43.84				
					EXPLORATORY HOLE ENDS AT 45.65 m					

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT		Start 02/07/2010 End 13/07/2010		Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).		Depth from 0.00m to 15.60m		Diameter 200mm		Casing Depth 15.60m to 55.20m		Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage	
Samples and Tests						Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
0.10-0.20 0.10-0.20	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	0.10 +1.18	[Cross-hatched pattern]	1					
0.40-0.65 0.40-0.65	D 3 B 4				Yellowish brown, locally grey, slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine of mixed lithologies including flint. (MADE GROUND)	0.40 +0.88							
			02/07/2010		Grey slightly silty fine to coarse SAND. (MADE GROUND)	(0.80)							
			05/07/2010	0800	ZONE OF CORE LOSS. Foreman reports concrete and sand. (MADE GROUND)	1.20 +0.08							
1.20-2.70	20 N/A N/A	Flush: 1.20-4.20 Mud, 100 %			2.40-2.70 m PARTIAL CORE RECOVERY. Brown slightly clayey gravelly fine to medium SAND with a low cobble content. Gravel and cobbles are angular to subrounded fine to coarse of flint, concrete and rebar.	(3.00)	[Cross-hatched pattern]						
2.70-4.20	20 N/A N/A												
3.90-4.20		CS 5			3.90-4.20 m PARTIAL CORE RECOVERY. Brown slightly clayey gravelly fine to medium SAND with a low cobble content. Gravel and cobbles are angular to subrounded fine to coarse of flint, concrete and rebar.								
					ZONE OF CORE LOSS. Foreman reports very soft sand, concrete and timber. (MADE GROUND)	4.20 -2.92							
4.20-5.70	0 N/A N/A	Flush: 4.20-5.70 Mud, 0 %											
Depth	ICR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 7.20 m							
Groundwater Entries					Depth Related Remarks *					Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)			From	to (m)			Depths (m)	Time	Tools used	
1	0.65	20	-			0.65	1.20	Inspection pit collapsed.					
						1.20	5.70	Geobor S surface set 7 step bit used.					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole			
Scale 1:25					Project No. A0012-10					CBH 2009_5			
(c) Soil Mechanics www.soil-mechanics.com					Carried out for NNB Generation Company Limited					Sheet 1 of 12			
408.24 18/02/2011 11:58:31					AGS								

Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m to 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.70-7.20	9 N/A N/A		Flush: 5.70-7.20 Mud, 50 %	05/07/2010 5.70	0800 1.20	ZONE OF CORE LOSS. Foreman reports very soft sand, concrete and timber. (MADE GROUND)	(3.00)		
7.20-8.70	30 N/A N/A		Flush: 7.20-8.70 Mud, 20 %			7.06-7.20 m 2 No cobbles of concrete encountered Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports peat and clay. (RECENT DEPOSITS)	7.20 -5.92		
8.40-8.70			CS 6			8.25-8.70 m Plastic dark brown clayey amorphous, locally pseudo-fibrous peat. (RECENT DEPOSITS)	(2.75)		
8.70-10.20	27 N/A N/A		Flush: 8.70-10.20 Mud, 0 %			9.80-10.00 m Plastic dark brown clayey amorphous, locally pseudo-fibrous	9.95 -8.67		
Stratum continues to 10.30 m									

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m) 5.70 20.00 Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_5 Sheet 2 of 12
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Scale 1:25

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Borehole Log



Soil Mechanics

Drilled JS		Start 02/07/2010		Equipment, Methods and Remarks			Depth from 0.00m to 15.60m		Diameter 200mm		Casing Depth 15.60m		Ground Level +1.28 mOD		
Logged ST/GA		End 13/07/2010		Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).			15.60m 55.20m		146mm		55.20m		Coordinates E 647191.08		
Checked MT													National Grid N 264180.51		
Samples and Tests													Strata		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)						Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
						Grey slightly clayey gravelly fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint. (RECENT DEPOSITS)						(0.35)			
10.65-11.05			CS 7			10.20-10.30 m becoming very clayey with frequent plant material						10.30 -9.02			
10.20-11.70	100 N/A N/A					Plastic dark brown clayey amorphous PEAT with rare pockets of greyish brown fine sand (less than 50mm in thickness). (RECENT DEPOSITS)						(1.40)			
11.70-13.20	77 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)						11.70 -10.42			
13.20-13.95	0 N/A N/A					13.04-13.20 m Brown and greyish brown silty gravelly fine and medium SAND with occasional shell fragments. Gravel is subangular to subrounded fine to coarse of flint. (CRAG DEPOSITS)						(3.75)			
13.95-14.70	0 N/A N/A														
Depth						Stratum continues to 15.45 m									
Groundwater Entries				Depth sealed (m)		Depth Related Remarks *				Chiselling Depths (m) Time Tools used					
No.	Struck (m)	Post strike behaviour				From to (m)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE						Borehole CBH 2009_5			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 11:56:39						Project No. A0012-10						Sheet 3 of 12			
AGS						Carried out for NNB Generation Company Limited									

Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
14.70-15.45	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)			
15.45-16.20 15.90-16.20	100 N/A N/A		CS 8	06/07/2010 16.20	0800 2.50	Brown, becoming grey (from 16.00m) fine to coarse SAND with frequent fine to coarse gravel size shell fragments and rare thin clay laminae. (Probably CRAG DEPOSITS)	15.45 -14.17 (0.75)		
16.20-17.70	0 N/A N/A			07/07/2010 16.20	0800 2.20	ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)	16.20 -14.92		
17.70-18.45	0 N/A N/A								
18.45-19.20	0 N/A N/A								
19.20-20.00	0 N/A N/A			07/07/2010 20.00					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.85 m			

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m) 20.00 35.70 Geobor S surface set 7 step bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_5 Sheet 4 of 12
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m to 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.00-20.70	63 N/A N/A		*	08/07/2010	0800	ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS) 20.56-20.70 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments. Gravel is subangular of flint. 22.78-22.95 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.			
20.70-21.45	0 N/A N/A			20.00	2.20				
21.45-22.20	0 N/A N/A								
22.20-22.95	23 N/A N/A								
22.95-23.70	0 N/A N/A								
23.70-24.45	0 N/A N/A								
24.45-25.20	16 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.85 m			

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m) 20.00 35.70 Geobor S surface set 7 step bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_5 Sheet 5 of 12
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.20-26.70	20 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)			
26.70-27.45	0 N/A N/A				25.08-25.20 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.				
27.45-28.20	24 N/A N/A				26.40-26.70 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments.				
28.20-28.95	0 N/A N/A				28.02-28.20 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments.				
28.95-29.70	0 N/A N/A						(26.65)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.85 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m to 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
29.70-30.45 30.12-30.45	44 N/A N/A		CS 9			ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)			
30.45-31.20	0 N/A N/A				30.12-30.45 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.				
31.20-31.95	60 N/A N/A				31.50-31.95 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.				
31.95-32.70	0 N/A N/A								
32.70-33.45	0 N/A N/A				Flush: 10.20-55.20 Mud, 100 %				
33.81-34.20 33.45-34.20	71 N/A N/A		CS 10		33.67-34.20 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.				
34.20-34.95	24 N/A N/A					34.75-34.95 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.85 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
34.95-35.70	0 N/A N/A			08/07/2010 35.70		ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)			
35.70-36.45	60 N/A N/A			09/07/2010 35.70	0800 2.20	36.00-36.45 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.			
36.45-37.20	0 N/A N/A								
37.20-37.95	0 N/A N/A								
37.95-38.70	87 N/A N/A					38.05-38.70 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments. Gravel is subangular fine to medium of flint.			
38.70-39.45	67 N/A N/A					38.95-39.45 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments. Gravel is subangular fine to medium of flint.			
39.45-40.20 39.87-40.20	44 N/A N/A		CS 11			39.87-40.20 m PARTIAL CORE RECOVERY. Grey			
Stratum continues to 42.85 m									

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m) 35.70 55.20 Geobor S clay bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_5 Sheet 8 of 12
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m 146mm 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
40.20-40.95	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)					
40.95-41.70	60 N/A N/A				41.25-41.70 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments and occasional firm pockets of clay (less than 70mm in thickness) Gravel is subangular fine to medium of flint.						
41.70-42.45	0 N/A N/A										
42.45-43.20	73 N/A N/A					42.65-42.85 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments. Gravel is subangular fine to medium of flint.	42.85 -41.57				
43.80-44.20	100 N/A N/A		CS 12			Stiff, locally very stiff, fissured thinly laminated dark grey CLAY. (LONDON CLAY A3)					
43.20-44.70						43.05-43.13 m brownish grey fine to coarse sand with frequent shell fragments (possible CRAG DEPOSITS)					
						44.53-44.59 m extremely weak dark blueish grey claystone					
						44.80-44.95 m laminae of very stiff dark greenish grey slightly sandy clay					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 52.05 m					

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
44.70-46.20	100 N/A N/A					Stiff, locally very stiff, fissured thinly laminated dark grey CLAY. (LONDON CLAY A3)	45.20 m sand laminae		
							45.60-45.63 m sand laminae		
							45.75-46.20 m vertical fissure with silt infill		
							45.80 m claystone horizon (less than 50mm in thickness)		
46.80-47.20			CS 13				46.30-46.50 m vertical fissure		
46.20-47.70	100 N/A N/A						46.50-46.75 m medium strong dark grey claystone planar rough and clean vertical fractures		
				09/07/2010 47.70			47.35 m 5mm silt laminae	(9.20)	
				13/07/2010 47.70	0800 3.00		47.70-47.75 m NO RECOVERY		
47.70-49.20	97 N/A N/A						48.45-48.50 m claystone horizon		
49.70-50.10			CS 14				49.30-49.40 m frequent silt laminae		
49.20-50.70	100 N/A N/A					49.50-49.58 m claystone band			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 52.05 m			

Groundwater Entries			Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
No.	Struck (m)	Post strike behaviour		From to (m)			

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_5 Sheet 10 of 12
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 15.60m Diameter 200mm Casing Depth 15.60m to 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
50.70-52.20	100 N/A N/A					Stiff, locally very stiff, fissured thinly laminated dark grey CLAY. (LONDON CLAY A3)			
						50.65-50.75 m weathered claystone horizon			
						51.60 m silt laminae			
52.80-53.20			CS 15			Very stiff fissured thinly laminated dark grey silty CLAY with frequent thin laminae of silt. (LONDON CLAY A3)	52.05 -50.77		
52.20-53.70	87 N/A N/A					52.20-52.40 m NO RECOVERY			
						53.60 m claystone horizon	(3.15)		
						54.20 m laminae of silt			
53.70-55.20	100 N/A N/A					54.65 m fissure with black fine sand infill			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 55.20 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled JS Logged ST/GA Checked MT	Start 02/07/2010 End 13/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m 15.60m	to 15.60m 55.20m	Diameter 200mm 146mm	Casing Depth 15.60m 55.20m	Ground Level +1.28 mOD Coordinates E 647191.08 National Grid N 264180.51 Chainage		
Samples and Tests				Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description <i>(Continued from Sheet 11)</i>	Depth, Level/ Thickness	Legend	Backfill/ Instruments
				13/07/2010 55.20	0.00	Very stiff fissured thinly laminated dark grey silty CLAY with frequent thin laminae of silt. (LONDON CLAY A3) EXPLORATORY HOLE ENDS AT 55.20 m	55.20 -53.92	x x x	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water				
Groundwater Entries						Depth Related Remarks *		Chiselling	
No.	Struck (m)	Post strike behaviour		Depth sealed (m)			Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE			Borehole	
				Project No.	A0012-10			CBH 2009_5	
				Carried out for	NNB Generation Company Limited			Sheet 12 of 12	



Borehole Log



Soil Mechanics

Drilled DC Logged ST/EM Checked MT		Start 24/09/2010 End 24/09/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 1.80m Diameter 250mm Casing Depth		Ground Level +1.31 mOD Coordinates E 647186.77 National Grid N 264184.00 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments						
0.10 0.10-0.50	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.21			1					
0.60 0.60	W 3 D 4			Orangish brown becoming brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm orangish brown clay and occasional shell fragments. Gravel is angular to rounded fine to various lithologies including flint. (MADE GROUND)	(1.70)									
1.20-1.45	U 5	200 blows 200 mm rec		0.50										
1.45-1.65	D 6		24/09/2010											
					1.65-1.80 m obstruction	1.80 -0.49	EXPLORATORY HOLE ENDS AT 1.80 m							
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
					No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Chiselling Depths (m)	Time	Tools used	
					1	0.60	Rose to 0.50 m after 20 minutes.	-	1.80		1.60 -1.80	60 mins		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole CBH 2009_5U				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 12:08:57					Project No. A0012-10					Sheet 1 of 1				
					Carried out for NNB Generation Company Limited									

Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 27/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 2.45m Diameter 250mm Casing Depth 1.80m	Ground Level +1.29 mOD Coordinates E 647188.28 National Grid N 264184.67 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.10 0.10-0.60	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.19			
0.60 0.60	W 3 D 4			Orangish brown becoming brown silty slightly gravelly fine to coarse SAND with rare fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of various lithologies including claystone and concrete. (MADE GROUND)	(2.35)				
1.80-2.25 1.80-2.45	U 5 B 7	140 blows 130 mm rec	1.70	dry	1.80-2.45 m cobbles of angular concrete				
2.25-2.45	D 6		27/09/2010 1.80						
EXPLORATORY HOLE ENDS AT 2.45 m						2.45 -1.16			

Groundwater Entries No. 1 Struck (m) 0.60 Post strike behaviour Rose to 0.50 m after 20 minutes.	Depth sealed (m) -	Depth Related Remarks * From 2.45 to (m) Borehole terminated due to obstruction.	Chiselling Depths (m) 1.80-2.10 Time 60 mins Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 250mm Casing Depth 10.00m 28.60m 45.15m 150mm 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.23		
0.40	D 2				Orangish brown silty fine to coarse SAND. (MADE GROUND)			
2.00-2.20 2.00-2.70	U NR B 3	100 blows No recovery	2.00	dry		(2.20)		
2.30	D 4				2.20-2.30 m angular cobble sized fragments of concrete Brown silty fine to medium SAND with rare plant debris. (Possibly MADE GROUND)	2.30 -0.97		
2.70-3.15	U 5	12 blows 410 mm rec	2.70	dry		(1.10)		
3.15-3.35	D 6							
3.40-3.85 3.40-4.10	U 7 B 9	8 blows 120 mm rec	3.00	1.10	Soft greyish brown slightly silty organic CLAY. (RECENT DEPOSITS)	3.40 -2.07		
3.85-4.05	D 8							
4.10-4.55 4.10-4.80	U 10 B 12	6 blows 180 mm rec	4.00	1.40				
4.55-4.75	D 11							
4.80	U 13	6 blows	4.60	1.80				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 7.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 8.60 2 No U100 Hammer weights used. 1.50 45.15 Water added to assist boring.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_5UB Sheet 1 of 10
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.25-5.45	D 14				Soft greyish brown slightly silty organic CLAY. (RECENT DEPOSITS)			
5.50-5.95	U 15	7 blows 380 mm rec	5.10	2.10		(4.20)		
5.95-6.15	D 16							
6.20-6.65	U 17	12 blows	6.00	2.50				
6.65-6.85	D 18							
6.90-7.35	U 19	13 blows 330 mm rec	6.90	3.10				
7.35-7.95	D 20		27/09/2010 6.90	3.10				
7.60-8.05	U 20A	12 blows 220 mm rec	6.90	3.80		7.60 -6.27		
8.05-8.25	D 21					(1.00)		
8.30-8.75	U 22	14 blows 400 mm rec	8.30	2.50				
8.75-8.95	D 23				8.60 -9.70 m greyish brown			
9.00-9.45	U 24	40 blows 200 mm rec	9.00	0.00	Firm dark brown locally black fibrous locally amorphous clayey PEAT. (RECENT DEPOSITS)			
9.00-9.70	B 26							
9.45-9.65	D 25							
9.70-10.15	U 27	40 blows	9.70	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 8.60 45.15 3 No U100 Hammer weights used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
10.15-10.35	D 28				Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)				
10.40-10.85	U 29	30 blows 180 mm rec	10.40	0.00		10.40-11.75 m Slightly gravelly. Gravel is angular to subrounded fine to medium of flint and quartzite			
10.40-11.10	B 31								
10.85-11.05	D 30								
11.10-11.50	U 32	47 blows 310 mm rec	11.10	0.00					
11.50-11.75	D 33								
11.80-12.25	U 34	38 blows 340 mm rec	11.80	0.00					
12.25-12.45	D 35					12.25-12.45 m pocket of soft grey silty clay			
12.50-12.95	U 36	35 blows 350 mm rec	12.50	0.00					
12.95-13.15	D 37								
13.20-13.65	U 38	38 blows	13.20	0.00					
13.65-13.85	D 39								
13.90-14.35	U 40	55 blows 420 mm rec	13.90	0.00					
14.35-14.55	D 41								
14.60-15.05	U 42	40 blows 320 mm rec	14.60	0.00					
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 43.00 m			

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments						
15.05-15.25	D 43				Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)	15.05-15.25 m Slightly gravelly, gravel is subangular fine of claystone								
15.30-15.75	U 44	40 blows 400 mm rec	15.30	0.00										
15.75-15.95	D 45													
16.00-16.45	U 46	30 blows 360 mm rec	16.00	0.00										
16.45-16.65	D 47													
16.70-17.15	U 48	40 blows 360 mm rec	16.70	0.00										
17.15-17.35	D 49													
17.40-17.85	U 50	45 blows 370 mm rec	17.40	0.00										
17.85-18.05	D 51													
18.10-18.55	U 52	50 blows 410 mm rec	18.10	0.00										
18.55-18.75	D 53													
18.80-19.25	U 54	55 blows 400 mm rec	18.80	0.00										
19.25-19.45	D 55													
19.50-19.95	U 56	55 blows 210 mm rec	19.50	0.00										
19.95-20.15	D 57													
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 43.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
20.20-20.65	U 58	50 blows 390 mm rec	28/09/2010 20.20	0.20	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)		[Pattern]	[Pattern]			
			29/09/2010 20.20	0.80 1.30							
20.65-20.85	D 59										
20.90-21.35	U 60	35 blows 180 mm rec	20.90	0.00							
21.35-21.55	D 61										
21.60-22.05	U 62	70 blows 410 mm rec	21.60	0.00							
22.05-22.25	D 63										
22.30-22.75	U 64	55 blows 320 mm rec	22.30	0.00							
22.75-22.95	D 65										
23.00-23.45	U 66	80 blows	23.00	0.00							
23.45-23.65	D 67										
23.70-24.15	U 68	40 blows 410 mm rec	23.70	0.00							
24.15	D 69										
24.40-24.85 24.40-25.10	U NR B 70	100 blows No recovery	24.40	0.00							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.00 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.10-25.55	U 71	65 blows	25.10	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)	(34.40)		
25.55-25.75	D 72							
25.80-26.25	U 73	45 blows 350 mm rec	25.80	0.00				
26.25-26.45	D 74							
26.50-26.95 26.50-27.20	U NR B 75	40 blows No recovery	26.50	0.00				
27.20-27.65	U 76	80 blows 350 mm rec	27.20	0.00				
27.65-27.85	D 77							
27.90-28.35 27.90-28.60	U NR B 78	80 blows No recovery	27.90	0.00				
			29/09/2010					
			28.60	-0.10				
28.60-29.05	U 79	80 blows 320 mm rec	28.60	0.00				
			30/09/2010	0800				
			28.60	1.00				
29.05-29.25	D 80							
29.30-29.75	U 81	60 blows 370 mm rec	29.30	0.00				
29.75-29.95	D 82							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) 27.60 -28.00 Time 90 mins Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_5UB Sheet 6 of 10
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Scale 1:25

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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-30.45	U NR	65 blows No recovery	30.00	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)		[Symbol: x]	[Symbol: /]
30.70-31.15 30.70 30.70-31.40	U NR B 83 B 84	80 blows No recovery	30.70	0.00				
31.40 31.40-31.90	U NR B 85	100 blows No recovery	31.40	0.00				
31.90-32.60	B 86							
32.60-33.05 32.60-33.30	U NR B 87	70 blows No recovery	32.60	0.00				
33.30-34.00	B 88							
34.00-34.45 34.00-34.70	U NR B 89	60 blows No recovery	34.00	0.00				
34.70-35.15	U 90	60 blows 340 mm rec	34.70	0.00				
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 43.00 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 30.60 -31.20 120 mins 33.10 -34.00 120 mins
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.15-35.35	D 91				Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)			
35.40-35.85	U 92	60 blows 200 mm rec	35.40	0.00				
35.85-36.05	D 93							
36.10-36.55	U 94	60 blows 330 mm rec	36.10	0.00				
36.55-36.75	D 95							
36.80-37.25 36.80-37.50	U NR B 96	70 blows No recovery	36.80	0.00				
			30/09/2010					
37.50-37.95 37.50-38.20	U NR B 97	70 blows No recovery	37.50	0.00				
			37.50	0.00				
38.20-38.90 38.20-38.90	U NR B 98	70 blows No recovery	38.20	0.00				
38.90-39.35	U 99	65 blows 360 mm rec	38.90	0.00				
39.35-39.55	D 100							
39.60-40.05	U 101	74 blows 330 mm rec	39.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
40.05-40.25	D 102				Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)		[Symbol: x]	[Symbol: /]	
40.30-40.75	U 103	68 blows 230 mm rec	40.30	0.00					
40.75-40.95	D 104								
41.00-41.45 41.00-41.70	U NR B 105	70 blows No recovery	41.00	0.00					
41.70-42.15	U 106	75 blows 310 mm rec	41.70	0.00					
42.15-42.35	D 107								
42.40-42.85	U 108	60 blows 230 mm rec	42.40	0.00					
42.85-43.05	D 109								
43.00	D 110								
43.10-43.55	U 111	50 blows	43.10	2.60		Very stiff silty brown fissured CLAY. (LONDON CLAY A3ii)			43.00 -41.67
43.55-43.75	D 112								
43.80-44.25	U 113	60 blows	43.50	4.80					
44.25-44.45	D 114								
44.50-44.95	U 115	60 blows	43.50	5.20					
44.95-45.15	D 116								
Stratum continues to 45.15 m							(2.15)		

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)							

Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 28.60m	to 10.00m 28.60m 45.15m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 28.60m 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage		
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
					Very stiff silty brown fissured CLAY. (LONDON CLAY A3ii) EXPLORATORY HOLE ENDS AT 45.15 m	45.15 -43.82	x x x		
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited			Borehole CBH 2009_5UB Sheet 10 of 10	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 12:09:47									

Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests				Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.20-0.40 0.20-0.40	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly SAND with frequent rootlets. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND)	0.10 +1.54		
1.00-1.20 1.00-1.20	D 3 B 4		02/07/2010 1.20		Yellowish brown slightly gravelly fine to coarse SAND with occasional pockets of brown and light grey clay (less than 30mm in size). Gravel is subangular to rounded fine of mixed lithologies including flint. (MADE GROUND)	(1.10)		
1.20-2.00	0 N/A N/A		05/07/2010 1.20	0800 dry	ZONE OF CORE LOSS. Foreman reports sand, gravel and cobbles. Stratum base depth uncertain. (Probably MADE GROUND)	1.20 +0.44		
2.00-3.50	7 N/A N/A							
3.50-5.00	10 N/A N/A	Flush: 1.20-6.20 Water, 90 %				(5.00)		
					3.40-3.50 m PARTIAL CORE RECOVERY. Yellowish brown slightly gravelly fine to coarse SAND. Gravel is subangular to rounded fine of various lithologies including flint.			
					4.85-5.00 m PARTIAL CORE RECOVERY.			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 6.20 m		

Groundwater Entries			Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
No.	Struck (m)	Post strike behaviour		From to (m)			
1	1.00	Damp	-	1.20 55.20	Geobor S clam bit used.		

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 12:10:14	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_6 Sheet 1 of 12
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m 146mm 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.00-6.20	0 N/A N/A			05/07/2010 4.23	2.00	ZONE OF CORE LOSS. Foreman reports sand, gravel and cobbles. Stratum base depth uncertain. (Probably MADE GROUND) Yellowish brown slightly gravelly fine to coarse SAND. Gravel is subangular to rounded fine of various lithologies including flint.			
6.20-7.70	10 N/A N/A		Flush: 6.20-7.70 Water, 10 %	06/07/2010 4.23	0800 1.80	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports soft peat and cobbles. (Probably RECENT DEPOSITS)	6.20 -4.56		
7.70-8.80	0 N/A N/A					7.55-7.70 m PARTIAL CORE RECOVERY. Plastic dark brown clayey gravelly amorphous PEAT. Gravel is angular to subangular fine to coarse of flint.	(2.60)		
8.80-9.20							8.80 -7.16		
8.80-9.40	100 N/A N/A					Firm dark grey pseudo-fibrous, locally amorphous, PEAT. (RECENT DEPOSITS)			
						9.40-9.80 m NO RECOVERY	(2.10)		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 10.90 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
9.40-10.90	73 N/A N/A					Firm dark grey pseudo-fibrous, locally amorphous, PEAT. (RECENT DEPOSITS)			
10.90-12.40	7 N/A N/A			06/07/2010 12.40	2.20	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	10.90 -9.26		
12.40-13.00	0 N/A N/A			07/07/2010 12.40	0800 5.80	12.30-12.40 m PARTIAL CORE RECOVERY. Grey clayey slightly gravelly fine SAND. Gravel is angular to subangular fine to coarse of flint.			
13.10-13.50			CS 6			13.10-13.50 m PARTIAL CORE RECOVERY. Brown, locally dark brown, fine to coarse SAND with frequent shell fragments.			
13.00-13.50	80 N/A N/A								
13.50-14.25	0 N/A N/A								
14.25-15.00	0 N/A N/A						(7.85)		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 18.75 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
15.00-15.75	13 N/A N/A					Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)				
15.65-15.75 m					15.65-15.75 m PARTIAL CORE RECOVERY. Brown fine to coarse sand with frequent shell fragments.					
15.75-16.50	33 N/A N/A		Flush: 7.70-24.75 Water, 99 %				16.25-16.45 m PARTIAL CORE RECOVERY. Brown fine to coarse SAND with frequent shell fragments. 16.45 m claystone horizon			
16.50-17.25	0 N/A N/A									
17.25-18.00	13 N/A N/A			07/07/2010 12.40			17.90-18.00 m PARTIAL CORE RECOVERY. Brown fine to coarse SAND with frequent shell fragments.			
18.00-18.75	53 N/A N/A			08/07/2010 12.40	0800 1.50		18.35-18.75 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to subangular fine to medium of flint.			18.75 -17.11
18.97-19.32			CS 7			18.75-18.80 m NO RECOVERY 18.85 m Cemented sand horizon				
18.75-19.50	93 N/A N/A					19.50-20.45 m rare dark grey silt laminae	(1.70)			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.45 m				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
19.50-20.50	100 N/A N/A					Dark brown and greyish brown slightly gravelly fine to medium SAND. Gravel is angular fine to coarse of flint. (CRAG DEPOSITS)			
20.50-21.00	70 N/A N/A					20.35 m Claystone horizon (less than 4mm in thickness) ZONE OF CORE LOSS. Foreman reports stiff sand. (CRAG DEPOSITS) 20.45-20.65 m NO RECOVERY 20.65-21.00 m PARTIAL CORE RECOVERY. Dark brown cemented SAND with occasional laminae of silt.	20.45 -18.81		
21.00-22.50	7 N/A N/A								
22.50-24.00	23 N/A N/A						(5.80)		
24.00-24.75	0 N/A N/A			08/07/2010 12.40					
				10/07/2010 12.40	0800 1.10				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 26.25 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
24.75-25.50	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports stiff sand. (CRAG DEPOSITS)					
25.50-26.25	0 N/A N/A										
26.25-27.00	16 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand and clay. (CRAG DEPOSITS)	26.25 -24.61				
27.00-27.75	0 N/A N/A		Flush: 24.75-30.00 Water, 90 %								
27.75-28.50	0 N/A N/A										
28.50-29.25	0 N/A N/A										
29.25-30.00	29 N/A N/A			10/07/2010 30.00	2.30						
						26.86-27.00 m PARTIAL CORE RECOVERY. Firm grey fissured silty clay.					
						29.76-30.00 m PARTIAL CORE RECOVERY. Grey gravelly SAND. Gravel is angular to					
Stratum continues to 42.88 m											

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used



Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-30.75	0 N/A N/A			11/07/2010	0800	ZONE OF CORE LOSS. Foreman reports gravelly sand and clay. (CRAG DEPOSITS)			
30.75-31.50	0 N/A N/A			30.00	1.10		subangular fine to coarse of mudstone.		
31.50-32.25	0 N/A N/A								
32.25-33.00	0 N/A N/A								
33.00-33.75	0 N/A N/A								
33.75-34.50	17 N/A N/A								
34.50-35.25	0 N/A N/A					34.37-34.50 m PARTIAL CORE RECOVERY. Grey slightly gravelly SAND with frequent shell fragments. Gravel is angular to subangular fine of mudstone.	(16.63)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.88 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.25-36.00	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand and clay. (CRAG DEPOSITS)			
36.00-36.75	0 N/A N/A								
36.75-37.50	0 N/A N/A		Flush: 30.00-43.50 Water, 85 %						
37.50-39.00	5 N/A N/A								
39.00-39.75	0 N/A N/A								
						38.92-39.00 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.88 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
39.75-40.50	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand and clay. (CRAG DEPOSITS)			
40.50-41.25	0 N/A N/A								
41.25-42.00	17 N/A N/A								
42.00-43.00 42.50-42.88	50 N/A N/A		CS 8		41.88-42.00 m PARTIAL CORE RECOVERY. Grey fine to medium SAND with occasional shell fragments.				
43.00-43.40 43.00-43.50	100 N/A N/A		CS 9	11/07/2010 43.50 2.10 12/07/2010 0800 43.50 1.20	42.50-42.88 m PARTIAL CORE RECOVERY. Grey fine to medium SAND with occasional shell fragments.				
43.50-45.00	93 N/A N/A				Very stiff dark grey fissured CLAY. Occasional thin laminae of silt and occasional claystone bands present. Occasional fissure surfaces with silt infill. (LONDON CLAY A3)	42.88 -41.24			
						43.50-43.60 m NO RECOVERY			
						44.10-44.14 m Claystone horizon 44.20-44.28 m Claystone horizon 44.56 m thin laminae of silt 44.70-45.00 m planar smooth and clean vertical fissure			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 55.50 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m to 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.42-45.76			CS 10			Very stiff dark grey fissured CLAY. Occasional thin laminae of silt and occasional claystone bands present. Occasional fissure surfaces with silt infill. (LONDON CLAY A3)			
45.00-46.20	100 N/A N/A						45.37-45.40 m claystone horizon		
46.20-47.70	17 N/A N/A						46.20-47.45 m NO RECOVERY		
47.70-49.20	97 N/A N/A						47.45-47.70 m Medium strong fine grained sandstone horizon		
49.20-50.10 49.70-50.10	100 N/A N/A						47.70-47.75 m NO RECOVERY		
			Flush: 43.50-55.50 Water, 90 %				49.05 m thin laminae of silt	(12.62)	
			CS 11						
Stratum continues to 55.50 m									

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m to 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
50.10-51.00	39 N/A N/A					Very stiff dark grey fissured CLAY. Occasional thin laminae of silt and occasional claystone bands present. Occasional fissure surfaces with silt infill. (LONDON CLAY A3)	50.10-50.65 m NO RECOVERY		
51.00-52.50	93 N/A N/A						50.75-50.85 m Medium strong dark grey claystone horizon 50.95-51.00 m silt laminae		
52.70-53.09			CS 12	12/07/2010 52.50	0800 2.40				
52.50-53.60	100 N/A N/A						52.61-52.64 m Extremely weak dark blueish grey claystone		
53.60-54.00	100 N/A N/A						53.36-53.39 m Extremely weak dark blueish grey claystone		
54.00-55.50	100 N/A N/A						54.00-55.10 m Frequent fissures with light grey silt infill.		
							54.90 m Fragment of wood (60x20x3mm)		
Stratum continues to 55.50 m									

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged GA/EM Checked MT		Start 19/09/2010 End 23/09/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m 11.00m		to 11.00m 43.85m		Diameter 250mm 200mm		Casing Depth 11.00m 43.10m		Ground Level Coordinates National Grid Chainage		+1.67 mOD E 647065.67 N 264093.41								
Samples and Tests					Strata																			
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments												
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty SAND with frequent rootlets. (MADE GROUND)					0.10	+1.57													
0.20-0.60	B 2									Orangish brown SAND with rare fine to medium gravel size shell fragments. (MADE GROUND)														
1.20	W 3																							
1.20-1.65	U 4	27 blows 260 mm rec		1.10																				
1.65-1.85	D 5																							
1.90-2.35	U 6	25 blows 410 mm rec	1.90	0.00																				
2.35-3.55	D 7																							
2.60-3.05	U 8	20 blows 290 mm rec	2.50	0.50																				
3.05-3.25	D 9		19/09/2010																					
3.30-3.75	U 10	45 blows 300 mm rec	3.25	1.10																				
3.75-3.95	D 11																							
4.00-4.45	U 12	50 blows	3.90	1.00																				
4.45-4.65	D 13																							
4.70-5.15	U 14	40 blows 365 mm rec	4.70	1.20																				
Depth					Type & No										Records					Date Casing		Time Water		Stratum continues to 6.50 m
Groundwater Entries					Depth Related Remarks *					Chiselling														
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From to (m)					Depths (m)					Time Tools used									
1	1.20	Rose to 1.10 m after 20 minutes.	-		0.00 43.85 2 No U100 Hammer weights used.																			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project					Borehole														
Scale 1:25					(c) Soil Mechanics www.soil-mechanics.com					AGS					Project					ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL				
408.24 04/08/2011 14:08:32					Project No.					SITE					A0012-10					CBH 2009_6U				
					Carried out for					NNB Generation Company Limited										Sheet 1 of 9				

Borehole Log



Soil Mechanics

Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 43.85m 200mm 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
10.30	W 30		6.90		Firm dark brown and black amorphous, locally pseudo-fibrous PEAT. (RECENT DEPOSITS)				
10.30-10.75	U 31	35 blows		4.60	Brown locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		10.30-10.75 m brownish grey		
10.75-10.95	D 32								
11.00-11.45	U NR	120 blows No recovery	11.00	0.00			11.00-11.65 m Slightly gravelly. Gravel is angular fine to coarse of flint		
11.00-11.65	B 33								
11.70-12.15	U 34	50 blows 415 mm rec	11.60	0.00					
12.15-12.35	D 35								
12.40-12.85	U 36	65 blows	12.30	0.00					
12.85-13.05	D 37								
13.10-13.55	U 38	60 blows	13.00	0.00					
13.55-13.75	D 39								
13.80-14.25	U 40	100 blows	13.80	0.00					
14.25-14.45	D 41								
14.50-14.95	U 42	90 blows	14.50	0.00					
14.95-15.15	D 43						14.95-15.15 m		
Stratum continues to 24.05 m									

Groundwater Entries No. Struck Post strike behaviour 2 10.30 Rose to 4.50 m after 20 minutes.			Depth sealed (m) -	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged GA/EM Checked MT		Start 19/09/2010 End 23/09/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m 11.00m		to 11.00m 43.85m		Diameter 250mm 200mm		Casing Depth 11.00m 43.10m		Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage					
Samples and Tests					Strata														
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments							
15.20-15.65	U 44	90 blows	15.20	0.00	Brown locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)														
15.65-15.85	D 45		20/09/2010	15.85	0.40	15.65-15.85 m Clayey gravelly sand. Gravel is angular fine to coarse of claystone													
15.90-16.35	U 46	* 100 blows 300 mm rec	15.85	0.40	21/09/2010									0800					
16.35-16.55	D 47																		
16.60-17.05 16.60-17.30	U 48 B 50	100 blows 240 mm rec	16.60	0.00	17.30-17.75 m yellowish brown horizon					(13.75)									
17.05-17.25	D 49																		
17.30-17.75	U 51	100 blows 410 mm rec	17.30	0.00	17.30-17.75 m yellowish brown horizon														
17.75-17.95	D 52																		
18.00-18.45	U 53	100 blows 335 mm rec	18.00	0.20	Stratum continues to 24.05 m														
18.45-18.65	D 54																		
18.70-19.15	U 55	75 blows	18.70	0.00	Stratum continues to 24.05 m														
19.15-19.35	D 56																		
19.40-19.85	U 57	70 blows 420 mm rec	19.40	0.00	Stratum continues to 24.05 m														
19.85-20.05	D 58																		
Groundwater Entries		No. Struck (m)		Post strike behaviour		Depth sealed (m)		Depth Related Remarks *		From to (m)		Chiselling Depths (m)		Time Tools used					
								15.85 29.15 Water added to assist boring.											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole									
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:08:34					Project No. A0012-10					SITE A0012-10					CBH 2009_6U				
AGS					Carried out for NNB Generation Company Limited										Sheet 4 of 9				

Borehole Log



Soil Mechanics

Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)					
20.10-20.55	U 59	100 blows	20.00	0.20	Brown locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
20.55-20.75	D 60									
20.80-21.25	U 61	120 blows 275 mm rec	20.80	0.40	20.80 m dark brown					
21.25-21.45	D 62									
21.50-21.95	U 63	100 blows	21.50	0.10						
21.95-22.15	D 64									
22.20-22.65	U 65	90 blows	22.10	0.10	22.20-22.85 m orangish brown horizon					
22.65-22.85	D 66									
22.90-23.35	U 67	120 blows 390 mm rec	22.90	0.50						
23.35-23.55	D 68									
23.60-24.05	U 69	120 blows	23.50	0.40	23.35-23.55 m rare nodules of claystone					
24.05-24.25	D 70									
24.30-24.75 24.30-24.45	U NR D 71	100 blows No recovery	24.30	0.30	Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			24.05 -22.38		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.90 m					

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used



Borehole Log



Soil Mechanics

Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 43.85m 200mm 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)				
25.00-25.45	U 72	80 blows 365 mm rec	25.00	0.50	Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
25.45-25.65	D 73								
25.70-26.15	U 74	65 blows 405 mm rec	25.60	0.20					
26.15-26.35	D 75								
26.40-26.85	U 76	100 blows	26.40	0.60					
26.85-27.05	D 77								
27.10-27.55	U 78	110 blows 405 mm rec	27.00	0.30					
27.55-27.75	D 79								
27.80-28.25	U 80	110 blows 370 mm rec	27.80	0.70					
28.25-28.45	D 81								
28.50-28.95	U 82	120 blows 395 mm rec	21/09/2010 28.60 28.50	0.20					
28.95-29.15	D 83		22/09/2010 28.60	0.00					28.95-29.15 m rare pockets of soft grey silty clay up to 40mm in size
29.20-29.65	U 84	120 blows 380 mm rec	29.20	0.00					
29.65-29.85	D 85								
29.90-30.35	U 86	120 blows 385 mm rec	29.90	0.00					
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 42.90 m

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 43.85m 200mm 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)						
30.35-30.55	D 87				Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		(18.85)				
30.60-31.05	U 88	100 blows	30.60	0.00							
31.05-31.25	D 89										
31.40-31.85	U 90	100 blows 310 mm rec	31.30	0.00							
31.85-31.95	D 91									31.85-31.95 m Slightly gravelly. Gravel is angular fine to coarse of claystone	
32.00-32.45	U 92	110 blows	32.00	0.00							
32.45-32.65	D 93										
32.70-33.15	U 94	120 blows 340 mm rec	32.70	0.00							
33.15-33.75	D 95										
33.40-33.85 33.40-34.05	U 96 B 98	120 blows 205 mm rec	33.40	0.00							
33.85-34.05	D 97										
34.10-34.55	U 99	120 blows 330 mm rec	34.10	0.00							
34.55-34.75	D 100										
34.80-35.25	U 101	100 blows 245 mm rec	34.80	0.00							
Depth	Type & No	Records	Date Casing	Time Water						Stratum continues to 42.90 m	

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 43.85m 200mm 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)				
35.25-35.45	D 102				Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
35.50-35.95	U 103	120 blows	35.50	0.00		35.50-35.95 m light grey horizon			
35.95-36.15	D 104								
36.20-36.65	U 105	120 blows 345 mm rec	36.20	0.00		36.20-36.65 m brownish grey horizon			
36.65-36.85	D 106								
36.90-37.55 36.90-37.35	D 107 U NR	120 blows No recovery	36.90	0.00					
37.60-38.05	U 108	120 blows 390 mm rec	37.60	0.00					
38.05-38.25	D 109					38.05-38.25 m greenish grey horizon			
38.30-38.75	U 110	120 blows 290 mm rec	38.30	0.00					
38.75-38.95	D 111								
39.00-39.45	U 112	120 blows 385 mm rec	39.00	0.00		39.00-39.45 m brownish grey horizon			
39.45-39.65	D 113								
39.70-40.15	U 114	120 blows 345 mm rec	39.70	0.00					
			22/09/2010 40.05	0.20					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.90 m				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)				
40.15-40.35	D 115		23/09/2010	0800	Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
			40.05	0.00					
40.40-40.85	U 116	130 blows 400 mm rec	40.40	0.00					
40.85-41.05	D 117								
41.10-41.55 41.10-41.75	U 118 B 120	130 blows 200 mm rec	41.10	0.00					
41.55-42.25	U 121	140 blows 440 mm rec	41.80	0.00					
42.25-42.45	D 122								
42.50-42.95	U 123	120 blows	42.50	0.00	42.50-42.59 m Slightly gravelly. Gravel is subrounded medium to coarse of flint				
42.95-43.15	D 124				Brown silty CLAY. (LONDON CLAY A3ii)		42.90	-41.23	
43.20-43.65	U 125	80 blows	43.10	1.50					
43.60-43.85	D 126		23/09/2010 41.10	1.50					
					EXPLORATORY HOLE ENDS AT 43.85 m		43.85	-42.18	

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used



Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests				Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			Greyish brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	(0.40)		
					Yellowish brown slightly gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments and occasional pockets of soft clay present. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.40 +3.18		
1.20-2.10	37 N/A N/A					1.20-1.77 m NO RECOVERY		
2.25-2.85		CS 7				2.10-2.25 m NO RECOVERY		
2.10-2.85	80 N/A N/A						(3.95)	
2.85-3.60	40 N/A N/A					2.85-3.30 m NO RECOVERY		
3.60-4.35	8 N/A N/A					3.60-4.29 m NO RECOVERY		
4.35-5.10	13 N/A N/A					4.35-4.95 m NO RECOVERY	4.35 -0.77	
					Grey slightly sandy GRAVEL of subangular to rounded fine to coarse of quartz and flint. (MADE GROUND)			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 6.20 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 32.00 Geobor S extended pilot bit used..	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.10-5.85	16 N/A N/A					Grey slightly sandy GRAVEL of subangular to rounded fine to coarse of quartz and flint. (MADE GROUND)	(1.85)		
5.85-6.60	93 N/A N/A					5.10-5.73 m NO RECOVERY 5.80-5.85 m greyish brown fine to medium sand pocket 5.85-5.90 m NO RECOVERY 5.90-6.20 m greyish brown fine to medium sand	6.20 -2.62 (0.40)		
6.60-7.00			CS 8			Firm dark brown and grey fibrous PEAT. (RECENT DEPOSITS)	6.60 -3.02 (0.95)		
6.60-8.10	100 N/A N/A					Soft grey thinly laminated extremely closely fissured CLAY with frequent plant material present. Slight organic odour. (RECENT DEPOSITS)	7.55 -3.97		
8.10-9.60	63 N/A N/A			06/08/2010 2.58	1.90	Firm dark brown and black fibrous, locally pseudo-fibrous, PEAT. (RECENT DEPOSITS)	(2.05)		
				07/08/2010 2.58	0800 1.80	8.10-8.65 m NO RECOVERY 8.70 m 3 No. angular medium flint gravels			
						9.40-9.60 m very sandy peat			
9.60-10.35	19 N/A N/A					Yellowish grey and blueish grey slightly clayey fine to medium SAND with few fine to medium gravel size shell fragments. (RECENT DEPOSITS)	9.60 -6.02 (0.75)		
9.60-10.35						Flush: 1.20-17.85 Water, 95 %			
9.60-10.35						Stratum continues to 10.35 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:10:52	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_7 Sheet 2 of 12
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.35-11.10	13 N/A N/A					Yellowish grey and blueish grey slightly clayey fine to medium SAND with few fine to medium gravel size shell fragments. (RECENT DEPOSITS)	10.35 -6.77		
11.10-11.85	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	(1.87)		
12.22-12.60 11.85-12.60	51 N/A N/A		CS 9			11.00-11.10 m PARTIAL CORE RECOVERY. Yellowish grey fine to coarse sand with occasional shell fragments (CRAG DEPOSITS)	12.22 -8.64		
12.60-13.35	100 N/A N/A					Yellowish grey and grey fine to coarse SAND with occasional laminae of firm orangish brown silty clay and frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.88)		
13.35-14.10	71 N/A N/A					13.35-13.57 m NO RECOVERY			
14.10-14.85	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	14.10 -10.52		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
14.85-15.60	13 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)			
15.60-16.35	0 N/A N/A					15.50-15.55 m PARTIAL CORE RECOVERY. Yellowish grey fine to coarse sand (CRAG DEPOSITS)			
16.35-17.10	0 N/A N/A					15.55-15.60 m claystone horizon 15.60-16.35 m foreman reports claystone	(6.00)		
17.10-17.85	33 N/A N/A			07/08/2010					
				17.85	1.70	17.60-17.85 m PARTIAL CORE RECOVERY. Grey fine to medium sand with occasional fine to medium gravel size shell fragments and 2 No. subrounded medium quartz gravels (CRAG DEPOSITS)			
17.85-18.60	31 N/A N/A			08/08/2010	0800				
				17.85	1.10	18.37-18.60 m PARTIAL CORE RECOVERY. Yellowish grey fine to coarse sand with frequent shell fragments (CRAG DEPOSITS)			
18.60-19.35	7 N/A N/A								
19.60-20.10			CS 10						
19.35-20.10	67 N/A N/A					19.30-19.35 m PARTIAL CORE RECOVERY. Grey fine to coarse sand with occasional fine to medium gravel size shell fragments (CRAG DEPOSITS). 19.60-20.10 m PARTIAL CORE			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:10:53	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_7 Sheet 4 of 12
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.10-20.85	100 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS) Grey and brownish grey fine to coarse SAND with occasional very thin firm grey clay laminae and occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	20.10 -16.52		
20.85-21.60	24 N/A N/A					RECOVERY. Yellowish grey fine to medium sand with frequent fine to medium gravel size shell fragments (CRAG DEPOSITS)			
21.60-22.35	100 N/A N/A					20.85-21.42 m NO RECOVERY			
22.35-23.10	33 N/A N/A					22.35-22.85 m NO RECOVERY			
23.10-23.85	53 N/A N/A		CS 11			22.85-22.95 m weak to medium strong fine grained sandstone 22.95-23.10 m slightly clayey fine to medium sand with frequent very thin clay horizons 23.10-23.45 m NO RECOVERY	(5.85)		
23.85-24.60	21 N/A N/A					23.85-24.44 m NO RECOVERY			
24.60-25.35	36 N/A N/A					24.60-25.08 m NO RECOVERY			
Stratum continues to 25.95 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
25.35-26.10	57 N/A N/A					Grey and brownish grey fine to coarse SAND with occasional very thin firm grey clay laminae and occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS) 25.35-25.67 m NO RECOVERY 25.67-25.95 m slightly silty	25.95 -22.37		
26.10-26.85	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
26.85-27.60	27 N/A N/A								
27.83-28.35	69 N/A N/A		CS 12			27.40-27.60 m PARTIAL CORE RECOVERY. Grey silty fine to medium sand with few soft silty clay laminae and few fine to medium gravel size shell fragments (CRAG DEPOSITS)	(3.90)		
27.60-28.35						27.78-28.35 m PARTIAL CORE RECOVERY. Brownish grey silty fine to medium sand with few medium to coarse gravel size shell fragments (CRAG DEPOSITS)			
28.35-29.10	60 N/A N/A			08/08/2010	1.50				
				09/08/2010	0800				
29.10-29.85	7 N/A N/A			29.10	1.15	28.65-29.10 m PARTIAL CORE RECOVERY. Grey silty fine to medium sand with few soft silty clay laminae and few fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
						29.80-29.85 m PARTIAL CORE RECOVERY. Grey silty fine to	29.85 -26.27		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 31.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
29.85-30.60	100 N/A N/A					Grey and brownish grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments and few very thin soft grey clay laminae. (CRAG DEPOSITS) medium sand (CRAG DEPOSITS)			
31.03-31.45	64 N/A N/A		CS 13				30.60-31.00 m NO RECOVERY	(1.85)	
31.70-32.00			TCR 0, SCR NR, RQD NR			ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)	31.70 -28.12		
32.00-33.10	77 N/A N/A						32.15-33.10 m PARTIAL CORE RECOVERY. Grey fine to coarse sand with frequent fine to coarse gravel size shell fragments (CRAG DEPOSITS)		
33.10-34.60	5 N/A N/A								
34.64-35.04			CS 14				34.53-34.60 m PARTIAL CORE RECOVERY. Grey fine to coarse sand with frequent fine to coarse gravel size shell fragments		
34.60-35.35	91 N/A N/A								
Depth TCR SCR ROD If Records/Samples Date Casing Time Water						Stratum continues to 46.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 32.00 47.35 Geobor S hexagonal short nosed pilot bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:10:56	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_7 Sheet 7 of 12
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
35.35-36.10	11 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
36.10-36.85	0 N/A N/A		Flush: 17.85-55.20 Water, 90 %	09/08/2010 37.60	1.60	:: 34.53m - (CRAG DEPOSITS) :: 34.67m - 34.67-35.35 m PARTIAL CORE RECOVERY. Grey and brownish grey silty fine to coarse sand with frequent fine to coarse gravel size shell fragments and few soft grey clay laminae (CRAG DEPOSITS) 36.02-36.10 m PARTIAL CORE RECOVERY. Grey fine to coarse sand with occasional fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
36.85-37.60	0 N/A N/A			10/08/2010 37.60	0800 1.20	37.53-37.60 m PARTIAL CORE RECOVERY. Grey and brownish grey fine to coarse sand with frequent fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
37.60-38.35	13 N/A N/A					38.25-38.35 m PARTIAL CORE RECOVERY. Brownish grey fine to coarse sand with occasional fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
38.35-39.10	11 N/A N/A					39.02-39.10 m PARTIAL CORE RECOVERY. Grey silty fine to coarse sand with occasional fine to coarse gravel size shell fragments (CRAG DEPOSITS)	(15.10)		
39.10-39.85	0 N/A N/A								
Stratum continues to 46.80 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
39.85-40.60	7 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
40.60-41.35	0 N/A N/A					40.55-40.60 m PARTIAL CORE RECOVERY. Grey fine to coarse sand with occasional fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
41.35-42.10	0 N/A N/A								
42.10-42.85	0 N/A N/A								
42.85-43.60	5 N/A N/A								
43.60-44.35	13 N/A N/A					43.56-43.60 m PARTIAL CORE RECOVERY. Brownish grey fine to coarse sand with frequent fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
44.35-45.10	0 N/A N/A					44.25-44.35 m PARTIAL CORE RECOVERY. Brownish grey fine to coarse sand with frequent fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
Depth TCR SCR ROD If Records/Samples Date Casing Time Water						Stratum continues to 46.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
45.10-45.85	13 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
45.85-46.60	11 N/A N/A					45.75-45.85 m PARTIAL CORE RECOVERY. Brown cemented fine to coarse sand with occasional fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
46.60-47.35	0 N/A N/A			10/08/2010 47.35	2.00	46.52-46.72 m PARTIAL CORE RECOVERY. Brownish grey fine to coarse sand with frequent fine to coarse gravel size shell fragments (CRAG DEPOSITS)	46.80 -43.22		
47.35-48.05	0 N/A N/A			11/08/2010 47.35	0800 1.90	ZONE OF CORE LOSS Boundary uncertain. (Possible LONDON CLAY)	(1.70)		
48.40-48.80 48.05-48.80	100 N/A N/A		CS 15			Very stiff dark grey, locally blueish grey, CLAY, locally tending to extremely weak mudstone. (LONDON CLAY A3ii)	48.50 -44.92		
49.20-49.30 48.80-49.75	100 N/A N/A		CS 18			49.05-49.35 m medium strong dark blue siltstone horizon			
Stratum continues to 55.30 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 47.35 55.20 Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m to 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			Groundwater		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
49.75-50.85	100 N/A N/A					Very stiff dark grey, locally blueish grey, CLAY, locally tending to extremely weak mudstone. (LONDON CLAY A3ii)	50.00-50.15 m occasional silt laminae and silty				
50.85-51.95	100 N/A N/A						50.50-51.50 m silty				
51.50-51.60			CS 19				51.50-51.60 m medium strong dark blueish grey mudstone horizon				
51.60-51.95			CS 16								
51.95-52.85	100 N/A N/A						52.10-52.25 m vertical planar smooth clean shear surface				
							52.40 m very thin silt lamina				
53.10-53.25			CS 20				53.10-53.25 m medium strong dark blueish grey mudstone horizon				
52.85-53.60	100 N/A N/A										
53.60-54.35	100 N/A N/A						53.60-55.30 m silty				
54.35-54.75			CS 17								
54.35-55.45	100 N/A N/A						54.90 m dark grey silt lamina				
						Stratum continues to 55.30 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests					Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
				11/08/2010		Very stiff dark grey, locally blueish grey, CLAY, locally tending to extremely weak mudstone. (LONDON CLAY A3ii)				
				55.20	1.60		Very stiff dark grey extremely closely fissured CLAY. (LONDON CLAY A2)	55.30 -51.72		
						55.30-55.45 m rare white tubular silt linings EXPLORATORY HOLE ENDS AT 55.45 m	55.45 -51.87			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 48.15m 200mm 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty slightly gravelly SAND with rare rootlets. Gravel is subangular to subrounded fine to coarse of chalk, sandstone and flint. (MADE GROUND)	0.10 +3.65		
0.30	D 2							
0.50-1.00	B 3				Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of grey clay. Gravel is subangular to subrounded fine to coarse of chalk, sandstone and flint. (MADE GROUND)			
1.20-1.65	U 4	27 blows 300 mm rec		dry				
1.65-1.85	D 5							
1.90-2.35	U 6	85 blows 350 mm rec	1.90	dry		(3.90)		
2.35-2.55	D 7							
2.60-3.05	U 8	70 blows	2.60	dry				
3.05-3.25	D 9				3.05-3.25 m locally grading to soft sandy clay			
3.30-3.75	U 10	85 blows 200 mm rec	3.00	dry				
3.75-3.95	D 11							
4.00-4.45	U 12	100 blows 320 mm rec	3.90	dry	Brown slightly silty gravelly SAND. Gravel is subangular fine to coarse of chalk, flint and sandstone. (Possibly MADE GROUND)	4.00 -0.25		
4.45-4.65	D 13							
4.70-5.15	U 14	70 blows 290 mm rec	4.50	dry				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 6.55 m			

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From (m) to (m) 1.20 20.10 1 No. U100 Hammer weight used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 48.15m 200mm 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.15-5.35	D 15		18/10/2010		Brown slightly silty gravelly SAND. Gravel is subangular fine to coarse of chalk, flint and sandstone. (Possibly MADE GROUND)	(2.55)		
5.40-5.85	U 16	85 blows 300 mm rec	4.50 19/10/2010	2.50 0800				
5.85-6.05	D 17							
6.10-6.55	U 18	23 blows	6.00	dry				
6.55-6.75	D 19				Firm brown black clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	6.55 -2.80		
6.80-7.25	U 20	20 blows	6.70	dry				
7.25-7.45	D 21					(1.40)		
7.50-7.95	U 22	9 blows	6.70	dry	7.50-7.95 m occasional pockets of soft grey clay			
7.95-8.15	D 23				Plastic black, pseudo-fibrous PEAT. (RECENT DEPOSITS)	7.95 -4.20		
8.20-8.65	U 24	20 blows	6.70	dry				
8.65-8.85	D 25					(1.40)		
8.90-9.35	U 26	13 blows	6.70	dry				
9.35-9.55	D 27				Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	9.35 -5.60		
9.60-10.05	U 28	17 blows 390 mm rec	9.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 46.10 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
1	9.30	Rose to 7.40 m after 20 minutes.	-					

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_7U Sheet 2 of 10
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Scale 1:25

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408.24 18/02/2011 16:52:39



Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 48.15m 200mm 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
10.05-10.25	D 29				Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
10.30-10.75	U 30	45 blows 350 mm rec	10.30	0.00						
10.75-10.95	D 31									
11.00-11.45	U 32	70 blows 410 mm rec	11.00	0.00		11.00 m light greyish brown horizon				
11.45-11.65	D 33									
11.70-12.15	U 34	35 blows 420 mm rec	11.70	0.00						
12.15-12.35	D 35									
12.40-12.85	U 36	60 blows	12.40	0.00						
12.85-13.05	D 37									
13.10-13.55	U 38	50 blows	13.10	0.00						
13.55-13.75	D 39									
13.80-14.25	U 40	60 blows 400 mm rec	13.80	0.00						
14.25-14.45	D 41									
14.50-14.95	U 42	60 blows 410 mm rec	14.50	0.00						
14.95-15.15	D 43									
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 46.10 m				

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_7U Sheet 3 of 10
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.20-15.65	U 44	70 blows 400 mm rec	15.20	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: x]	[Symbol: /]
15.65-15.85	D 45							
15.90-16.35	U 46	70 blows 360 mm rec	15.90	0.00				
16.35-16.55	D 47							
16.60-17.05	U 48	65 blows 350 mm rec	16.60	0.00				
17.05-17.25	D 49							
17.30-17.75	U 50	80 blows 210 mm rec	17.30	0.00				
17.75-17.95	D 51							
18.00-18.45	U 52	65 blows	18.00	0.00				
18.45-18.65	D 53							
18.70-19.15	U 54	60 blows 420 mm rec	18.70	0.00				
19.15-19.35	D 55							
19.40-19.85 19.40-20.10	U 56 B 58	100 blows 170 mm rec	18.40	0.00				
19.85-20.05	D 57		19/10/2010					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 46.10 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_7U
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:52:46	Project No. A0012-10	Sheet 4 of 10
	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 48.15m 200mm 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
20.10-20.55 20.10-20.80	U NR B 59	• 100 blows No recovery	20.10 20.10 20.10/2010 20.10	0.00 0.00 0800 3.70	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
20.80-21.25	U 60	60 blows 320 mm rec	20.80	0.00						
21.25-21.45	D 61									
21.50-21.95	U 62	100 blows 290 mm rec	21.50	0.00						
21.95-22.15	D 63									
22.20-22.65 22.20-22.90	U 64 B 66	100 blows 200 mm rec	22.20	0.00						
22.65-22.85	D 65									
22.90-23.35 22.90-23.60	U 67 B 69	100 blows 200 mm rec	22.90	0.00						
23.35-33.55	D 68									
23.60-24.50	U 70	70 blows 430 mm rec	23.60	0.00						
24.05-24.25	D 71									
24.30-24.75	U 72	80 blows 400 mm rec	24.30	0.00						
24.45-25.65	D 75									
24.75-24.95	D 73									
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 46.10 m				

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m) 20.10 48.15 2 No. U100 Hammer weights used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_7U Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 48.15m 200mm 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.00-25.45	U 74	80 blows 380 mm rec	25.00	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(36.75)	[Symbol: x]	[Symbol: /]
25.70-26.15	U 76	65 blows 400 mm rec	25.70	0.00				
26.15-26.35	D 77							
26.40-26.85	U 78	70 blows 230 mm rec	26.40	0.00				
26.85-27.05	D 79							
27.10-27.55	U 80	70 blows 250 mm rec	27.10	0.00				
27.55-27.75	D 81							
27.80-28.25 27.80-28.50	U NR B 82	70 blows No recovery	27.80	0.00				
28.50-28.95	U 83	85 blows 400 mm rec	28.50	0.00				
28.95-29.15	D 84							
29.20-29.65	U 85	75 blows 400 mm rec	29.20	0.00				
29.65-29.85	D 86							
29.90-30.35	U 87	90 blows 400 mm rec	29.90	0.00				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.35-30.55	D 88				Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: x]	[Symbol: /]
30.60-31.05	U 89	95 blows 380 mm rec	30.60	0.00				
31.05-31.25	D 90							
31.30-31.75	U 91	90 blows 400 mm rec	31.30	0.00				
31.75-31.95	D 92							
32.00-32.45	U 93	110 blows 310 mm rec	32.00	0.00				
32.45-32.65	D 94							
32.70-33.15	U 95	95 blows 350 mm rec	32.70	0.00				
33.15-33.35	D 96							
33.35-33.85	U 97	120 blows 350 mm rec	33.40	0.00				
33.85-34.05	D 98							
34.10-34.55	U 99	140 blows 230 mm rec	34.10	0.00				
34.55-34.75	D 100							
34.80-35.25	U 101	130 blows 300 mm rec	34.80	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 46.10 m			

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used

Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 48.15m 200mm 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.25-35.45	D 102		20/10/2010		Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' marks]	[Symbol: Diagonal lines]
35.45-38.35	D 110			0.00				
35.60-36.05	U 103	90 blows 340 mm rec	21/10/2010	0800				
			35.60	0.00				
			34.80	3.50				
36.05-36.25	D 104							
36.30-36.75	U 105	100 blows 300 mm rec	36.30	0.00				
36.75-36.95	D 106							
37.00-37.45	U 107	120 blows 390 mm rec	37.00	0.00				
37.45	D 108							
37.70-38.15	U 109	120 blows 300 mm rec	37.70	0.00				
38.40-38.85	U 111	100 blows 350 mm rec	38.40	0.00				
38.85-39.05	D 112							
39.10-39.55	U 113	110 blows 360 mm rec	39.10	0.00				
39.55-39.75	D 114							
39.80-40.25	U 115	120 blows 300 mm rec	38.80	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 46.10 m			

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:52:57	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_7U Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 48.15m 200mm 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.25-40.45	D 116				Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
40.50-40.95	U 117	115 blows 390 mm rec	40.50	0.00				
40.95-41.15	D 118							
41.20-41.65	U 119	130 blows 390 mm rec	41.20	0.00				
41.65-41.85	D 120							
41.90-42.35	U 121	120 blows 300 mm rec	41.90	0.00				
42.35-42.55	D 122							
42.60-43.05	U 123	120 blows 380 mm rec	42.60	0.00				
43.05-43.25	D 124							
43.30-43.75	U 125	105 blows 380 mm rec	43.30	0.00				
43.75-43.95	D 126							
44.00-44.45	U NR	120 blows No recovery	44.00	0.00				
44.45-44.70	D 127							
44.70-45.15	U 128	130 blows 370 mm rec	44.70	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 46.10 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m	9.60m 48.15m	Diameter 250mm	Casing Depth 9.60m 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
45.15-45.35	D 129				Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
45.40-45.85 45.40-46.10	U NR B 130	120 blows No recovery	45.40	0.00					
46.10-46.55 46.10	U 132 D 131	70 blows 300 mm rec	46.10	0.00	Stiff greyish brown slightly sandy CLAY. (LONDON CLAY - A3ii)	46.10			
46.55-46.75	D 133		21/10/2010 46.40	4.90					
46.80-47.25	U 134	60 blows	46.40 25/10/2010 46.40	6.30 0800 4.50					
47.25-47.45	D 135								
47.50-47.99	U 136	70 blows 450 mm rec	46.40	7.40					
47.99-48.15	D 137		25/10/2010 46.40	7.40		(2.05)			
EXPLORATORY HOLE ENDS AT 48.15 m						48.15	-44.40		

Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries	Depth Related Remarks *	Chiselling	
					No. Struck (m) Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m) Time Tools used

Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT		Start 16/09/2010 End 12/10/2010		Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)		Depth from 0.00m 12.70m 28.55m 48.40m		to 12.70m 28.55m 48.40m 120.00m		Diameter 300mm 250mm 200mm 146mm		Casing Depth 12.75m 28.55m 48.40m 120.00m		Ground Level Coordinates National Grid Chainage	
														+3.47 mOD E 647594.39 N 264210.93	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
0.20-0.50 0.20-0.50	B 1A D 2A	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly silty SAND with frequent rootlets. (MADE GROUND)					0.10 +3.37					
0.60-1.20 0.60-1.20	B 3A D 4A				Yellow slightly gravelly SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Possibly RECENT DEPOSITS)					(1.10)					
1.20-1.70 1.20-1.65	B 1 U NR	24 blows No recovery	1.00	0.00	Multicoloured sandy angular to rounded fine to coarse GRAVEL of various lithologies including flint. (Possibly RECENT DEPOSITS)					1.20 +2.27					
1.75-2.20 1.75-2.20	B 2 U NR	28 blows No recovery	1.60	0.70						(1.00)					
2.30-2.75	U 3	31 blows 300 mm rec	2.20	1.00	Light grey SAND. (RECENT DEPOSITS)					2.20 +1.27					
2.80-3.25	U 4	27 blows 250 mm rec	2.70	0.40											
3.30-3.75	U 5	32 blows 300 mm rec	3.20	0.00											
3.80-4.25	U 6	33 blows 350 mm rec	3.70	0.00						(2.80)					
4.35-4.80	U 7	41 blows 200 mm rec	4.10	0.00											
			16/09/2010 5.00	2.80	4.70 m slightly gravelly. Gravel is angular to rounded fine to medium flint										
Depth	Type & No	Records	Date Casing	Time Water											
Groundwater Entries				Depth Related Remarks *					Chiselling						
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)					Depths (m)	Time	Tools used				
1	2.80	-	2.80	0.00 48.40 2 No U100 Hammer weights used.					5.00-6.00	120 mins					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Project No. Carried out for			ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 NNB Generation Company Limited					Borehole CBH 2009_8U Sheet 1 of 24				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:48:23			AGS												

Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT		Start 16/09/2010 End 12/10/2010		Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)		Depth from 0.00m 12.70m 28.55m 48.40m		to 12.70m 28.55m 48.40m 120.00m		Diameter 300mm 250mm 200mm 146mm		Casing Depth 12.75m 28.55m 48.40m 120.00m		Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level (Thickness)	Legend	Backfill/ Instruments			
5.00-6.00	B 8		17/09/2010	0800	Grey, light grey and brown slightly sandy slightly gravelly angular to subrounded COBBLES of flint. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of various lithologies including flint. (RECENT DEPOSITS)					5.00	-1.53				
			5.00	2.80						(1.20)					
6.20-6.80 6.20-6.65	B 11 U 9	21 blows	6.00	1.10	Soft to firm, locally thinly laminated, blueish grey mottled black CLAY. (RECENT DEPOSITS)					6.20	-2.73				
6.65-7.10 6.80-7.10	U 10 B 12	19 blows 350 mm rec	6.40	4.20						6.65 m slightly sandy. Sand is fine 6.80 m peaty with organic odour					
7.10-7.55	U 13	17 blows	7.00	5.75	Very soft dark grey silty CLAY. (RECENT DEPOSITS)										
7.60 7.65-8.10	D 14 U 15	11 blows	7.00	6.10									(2.80)		
8.15 8.20-8.65	D 16 U 17	11 blows 410 mm rec	7.00	7.20	9.85 m rare fine gravel size shell fragments										
8.70 8.75-9.20	D 18 U 19	10 blows	7.00	8.15									9.00	-5.53	
9.30 9.35-9.80	D 20 U 21	10 blows 370 mm rec	7.00	8.10	Stratum continues to 12.20 m										
9.85	D 22														
Groundwater Entries		No. Struck Post strike behaviour		Depth sealed (m)		Depth Related Remarks *		From to (m)		Chiselling Depths (m)		Time		Tools used	
										5.00 - 6.00		120 mins			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for					Borehole CBH 2009_8U Sheet 2 of 24					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:48:24					AGS										

Borehole Log



Soil Mechanics

Drilled AD/PS	Start 16/09/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m	to 12.70m	Diameter 300mm	Casing Depth 12.75m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
Logged GA/ST	End 12/10/2010		12.70m	28.55m	250mm	28.55m	
Checked MT			28.55m	48.40m	200mm	48.40m	

Samples and Tests					Strata		Depth, Level / (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
10.00-10.45	U 23	8 blows	7.00	9.20	Very soft dark grey silty CLAY. (RECENT DEPOSITS)				
10.50 10.55-11.00	D 24 U 25	7 blows	7.00	9.10			(3.20)		
11.05 11.10-11.55	D 26 U 27	15 blows	17/09/2010 7.00	8.40					
11.60 11.65-12.10	D 28 U 29	14 blows	18/09/2010 7.00	0800 2.80	11.60-12.15 m occasional thin bands of white material (possibly wood)				
12.15 12.20-12.65	D 30 U 31	14 blows	7.00	0.00	Firm dark grey clayey amorphous PEAT. (RECENT DEPOSITS)		12.20 -8.73		
12.70 12.75-13.20 12.80	D 32 U 33 D 34	31 blows 220 mm rec	12.50	1.00	12.70-12.75 m grey clayey silt horizon		(0.90)		
13.00-13.45	U 35	40 blows 420 mm rec	12.70	0.30	Grey silty fine to medium SAND. (Possibly CRAG DEPOSITS)		13.10 -9.63		
13.50 13.55-14.00	D 36 U 37	42 blows 370 mm rec	13.20	0.45					
14.05-14.50	U 38	43 blows 300 mm rec	14.00	0.00					
14.55 14.55-15.00	D 39 U 40	44 blows 300 mm rec	14.10 18/09/2010 14.10	0.00 1.31			(3.75)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 16.85 m				

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used



Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
15.05	D 41				Grey silty fine to medium SAND. (Possibly CRAG DEPOSITS)		[Symbol]	[Symbol]	
15.20-15.65	U 42	61 blows 330 mm rec	19/09/2010 0800 15.00 1.10 14.10 2.80	15.20-16.00 m occasional fine to medium gravel size shell fragments					
15.70 15.75-16.20	D 43 U 44	66 blows	15.50 0.90						
16.25	D 45				Soft thinly laminated grey silty CLAY. (Possibly CRAG DEPOSITS)	16.85 -13.38	[Symbol]	[Symbol]	
16.35-16.80	U 46	62 blows 390 mm rec	16.00 1.30						
16.85	D 47				Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	17.00 -13.53	[Symbol]	[Symbol]	
17.00-17.45	U 48	63 blows 400 mm rec	16.80 0.00						
17.50 17.55-18.00	D 49 U 50	59 blows	17.30 0.00				[Symbol]	[Symbol]	
18.05 18.10-18.55	D 51 U 52	64 blows	17.90 0.00				[Symbol]	[Symbol]	
18.60	D 53						[Symbol]	[Symbol]	
18.70-19.15	U 54	84 blows	18.60 1.00				[Symbol]	[Symbol]	
19.20	D 55						[Symbol]	[Symbol]	
19.40-19.85	U 56	72 blows 400 mm rec	19.20 1.00				[Symbol]	[Symbol]	
19.90	D 57						[Symbol]	[Symbol]	
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.00 m				

Groundwater Entries	Chiselling
No. Struck (m) Post strike behaviour	Depths (m) Time Tools used
Depth sealed (m)	Depth Related Remarks * From to (m)



Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT		Start 16/09/2010 End 12/10/2010		Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)		Depth from 0.00m 12.70m 28.55m 48.40m		to 12.70m 28.55m 48.40m 120.00m		Diameter 300mm 250mm 200mm 146mm		Casing Depth 12.75m 28.55m 48.40m 120.00m		Ground Level Coordinates National Grid Chainage	
														+3.47 mOD E 647594.39 N 264210.93	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)					Depth, Level (Thickness)	Legend	Backfill/ Instruments			
20.00-20.45	U 58	82 blows 425 mm rec	19.70	0.75	Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)										
20.50	D 59									20.45 m pocket of soft grey clay					
20.65-21.10	U NR	80 blows 370 mm rec	20.00	1.10											
21.10-21.55	U 61	80 blows 370 mm rec	21.00	0.60											
			19/09/2010												
21.60	D 62		21.50	2.80											
21.70-22.15	U 63	79 blows 380 mm rec	20/09/2010	0800											
			21.50	3.15											
22.20	D 64														
22.30-22.75	U 65	82 blows 360 mm rec	22.00	1.95											
22.90-23.35	U 66	81 blows 380 mm rec	22.70	0.40											
23.40-23.85	U 67	77 blows 390 mm rec	23.00	0.35											
24.00-24.45	U 68	88 blows	23.60	0.60											
24.50	D 69		24.30	1.10											
24.55-25.00	U 70	82 blows 380 mm rec													
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.00 m										
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *					Chiselling					
No.	Struck (m)	Post strike behaviour			From to (m)					Depths (m)	Time	Tools used			
										25.00 -25.50	60 mins				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole					
Scale 1:25			Project No.		A0012-10					CBH 2009_8U					
(c) Soil Mechanics www.soil-mechanics.com			Carried out for		NNB Generation Company Limited					Sheet 5 of 24					
408.24 04/08/2011 14:48:26															

Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)				
25.00-25.50	B 71				Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		25.00-25.50 m greyish brown angular coarse GRAVEL of claystone		
25.50-26.00 25.50-25.95	B 72 U NR	77 blows No recovery	25.30	2.10					
26.00-26.45	U 73	84 blows	25.70	1.35					
26.50 26.55-27.00	D 74 U 75	91 blows 420 mm rec	26.30	4.10					
27.05-27.25	U 76	94 blows	26.50	3.70					
27.55-28.00	U 77	101 blows 345 mm rec	27.10	4.20					
28.05-28.50	U 78	107 blows 410 mm rec	27.70	0.00					
			20/09/2010 27.50	3.15					
28.55-29.00	U 79	84 blows	28.00 21/09/2010 27.50	0.00 0800 2.80					
29.05 29.05-29.50	D 80 U 81	91 blows	28.70	0.00	29.05 m rare soft grey silty clay pockets				
29.55 29.60-30.05	D 82 U NR	92 blows No recovery	29.00	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.00 m				

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
						25.00 -25.50	60 mins	

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_8U Sheet 6 of 24
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Scale 1:25

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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)				
30.10-30.55	U 83	84 blows	29.70	0.00	Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		(30.00)	[Symbol]	[Symbol]
30.60	D 84								
30.70-31.15	U 85	79 blows	30.50	1.10					
31.20	D 86								
31.30-31.75	U 87	82 blows 300 mm rec	31.00	0.70					
31.50	D 88								
32.00-32.45	U 89	94 blows 350 mm rec	31.70	1.00					
32.55-33.00	U 90	95 blows 405 mm rec	32.00	0.75					
33.05-33.50	U 91	97 blows 310 mm rec	32.70	0.80					
33.55-34.00	U 92	89 blows 260 mm rec	33.00	0.90					
34.05-34.50 34.05-34.50	U NR B 93	97 blows No recovery	33.70	0.40					
			21/09/2010 34.00	0.65					
34.55-35.00	U 94	96 blows 320 mm rec	34.00 22/09/2010 34.00	0.00 0800 2.80					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.00 m				

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks * From to (m)	



Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT		Start 16/09/2010 End 12/10/2010		Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)		Depth from 0.00m 12.70m 28.55m 48.40m		to 12.70m 28.55m 48.40m 120.00m		Diameter 300mm 250mm 200mm 146mm		Casing Depth 12.75m 28.55m 48.40m 120.00m		Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)					Depth, Level (Thickness)	Legend	Backfill/ Instruments			
35.05-35.50	U 95	92 blows 210 mm rec	34.00	0.00	Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)										
35.55-36.00 35.55-36.00	U NR B 96	87 blows No recovery	35.00	0.00											
36.05-36.50	U 97	110 blows 220 mm rec	35.70	0.00											
36.70-37.15	U 98	120 blows 280 mm rec	36.10	0.00											
37.35-37.80	U 99	118 blows 210 mm rec	37.00	0.00											
37.85-38.30 37.85-38.30	U NR B 100	111 blows No recovery	37.00	0.00						37.85-38.30 m slightly gravelly of subrounded fine to medium claystone					
38.55-39.00	U 101	117 blows 400 mm rec	38.00	0.00											
39.10 39.15-39.60	D 102 U 103	114 blows 370 mm rec	38.80	0.80											
39.70 39.80-40.25	D 104 U 105	111 blows 420 mm rec	39.40	0.75											
Depth	Type & No	Records	Date Casing	Time Water						Stratum continues to 47.00 m					
Groundwater Entries No. Struck Post strike behaviour			Depth sealed (m)	Depth Related Remarks *					Chiselling Depths (m)	Time	Tools used				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole CBH 2009_8U Sheet 8 of 24										

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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
40.35	D 106				Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' in a square]	[Symbol: Diagonal lines]		
40.45-40.90	U 107	98 blows 390 mm rec	40.00	0.00						
41.00-41.45 41.00-41.50	U NR B 108	110 blows No recovery	40.50	0.00						
41.50-42.00 41.55-42.00	U NR B 109	107 blows No recovery	41.00	0.00						
42.05-42.50	U 110	98 blows 110 mm rec	41.70	0.20						
42.55-43.00	U 111	115 blows 300 mm rec	42.00	0.00						
43.05-43.50	B 112									
			22/09/2010							
43.50	U NR	113 blows No recovery	43.00	0.75						
43.55-44.00	U 113	111 blows 270 mm rec	43.30	0.00						
			23/09/2010	0800						
			43.00	2.80						
44.15-44.60 44.15-44.60	U NR B 114	98 blows No recovery	44.00	0.00						
44.80-45.25 44.80-45.25	U NR B 115	84 blows No recovery	44.20	0.00						
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 47.00 m				

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks *	
From to (m)	

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_8U Sheet 9 of 24
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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT		Start 16/09/2010 End 12/10/2010		Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)		Depth from 0.00m 12.70m 28.55m 48.40m		to 12.70m 28.55m 48.40m 120.00m		Diameter 300mm 250mm 200mm 146mm		Casing Depth 12.75m 28.55m 48.40m 120.00m		Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
45.45-45.90 45.45-45.90	U NR B 116	86 blows No recovery	45.00	0.00	Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)										
46.00-46.45 46.00-46.45	U NR B 117	82 blows No recovery	45.60	0.00											
46.56-47.00	U 118	72 blows 100 mm rec	46.00	0.00											
					Stiff greyish brown slightly sandy CLAY. (LONDON CLAY A3ii)					47.00 -43.53					
47.90-48.35	U 119	88 blows 400 mm rec	47.70	0.00	Firm to stiff greyish brown sandy to very sandy fissured CLAY. Fissures are subhorizontal closely spaced. (LONDON CLAY A3ii)					(1.40)					
			23/09/2010												
48.40	D 120		48.40	1.10	Stratum continues to 61.72 m					48.40 -44.93					
48.77-49.32		CS 121	01/10/2010	0800											
48.40-49.72	98 N/A N/A		48.40	1.66											
		Flush: 48.40-51.22 mud, 80 %													
Depth	ICR ROD	If	Records/Samples	Date Casing	Time Water										
Groundwater Entries				Depth sealed (m)		Depth Related Remarks *				Chiselling					
No.	Struck (m)	Post strike behaviour				From to (m)				Depths (m)	Time	Tools used			
						48.40 98.62 Geobor S PCD Clam bit used.									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for				Borehole CBH 2009_8U Sheet 10 of 24							
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:48:29															

Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
49.72-51.22	93 N/A N/A					Firm to stiff greyish brown sandy to very sandy fissured CLAY. Fissures are subhorizontal closely spaced. (LONDON CLAY A3ii)			
							50.79-51.06 m 1 No 70 degree smooth fissure		
							51.12-51.22 m NO RECOVERY		
51.36-51.56			CS 122						
							51.56-51.81 m very strong black lignite horizons		
51.69-51.81			CS 123						
							51.81-52.72 m NO RECOVERY. Foreman reports clay.		
51.22-52.72	41 N/A N/A								
52.99-53.42			CS 134						
52.72-54.22	100 N/A N/A		Flush: 51.22-55.72 mud, 70 %						
							54.22-54.38 m NO RECOVERY		
54.52-54.72			CS 124						
54.22-55.72	89 N/A N/A								
						Stratum continues to 61.72 m			

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used

Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m Diameter 300mm Casing Depth 12.75m 28.55m 250mm 28.55m 48.40m 200mm 48.40m 120.00m 146mm 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
						Firm to stiff greyish brown sandy to very sandy fissured CLAY. Fissures are subhorizontal closely spaced. (LONDON CLAY A3ii)	(13.32)		
56.14-56.53			CS 135						
55.72-57.22	86 N/A N/A								
57.54-58.23			CS 136			55.37-55.41 m extremely weak black lignite nodule			
57.22-58.72	100 N/A N/A								
58.23-58.72			CS 125			57.40 m widely spaced fissure			
58.72-59.23			CS 137			Flush: 55.72-61.72 mud, 65 %			
59.23-59.84			CS 138						
58.72-60.22	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 61.72 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD/PS	Start 16/09/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m	to 12.70m	Diameter 300mm	Casing Depth 12.75m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
Logged GA/ST	End 12/10/2010		12.70m	28.55m	250mm	28.55m	
Checked MT			28.55m	48.40m	200mm	48.40m	

Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 12)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
60.22-61.72	67 N/A N/A					Firm to stiff greyish brown sandy to very sandy fissured CLAY. Fissures are subhorizontal closely spaced. (LONDON CLAY A3ii)			
61.32-61.72			CS 126						
61.72-63.22	30 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)	61.72 -58.25		
				01/10/2010	63.22	0.00	62.68-63.18 m PARTIAL CORE RECOVERY. brown sandy silt.	(2.25)	
63.22-63.97	0 N/A N/A			02/10/2010	63.22	0800	63.18-63.22 m PARTIAL CORE RECOVERY. very strong dark grey siltstone		
63.97-64.72	31 25 17		Flush: 61.72-66.97 mud, 60 %			ZONE OF CORE LOSS. Foreman reports siltstone. (Probably LAMBETH GROUP)	63.97 -60.50		
64.49-64.67			CS 127				(0.75)		
						64.49-64.72 m PARTIAL CORE RECOVERY. moderately strong brown fine grained sandstone	64.72 -61.25		
						ZONE OF CORE LOSS. Foreman reports sand.			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 67.13 m			

Groundwater Entries			Depth Related Remarks *			Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used	



Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	to 12.70m 28.55m 48.40m 120.00m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			Groundwater		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
64.72-65.47	21 N/A N/A					(Probably LAMBETH GROUP - SAND)					
65.47-66.22	0 N/A N/A						65.31-65.47 m PARTIAL CORE RECOVERY. brown silty sand	(2.41)			
66.22-66.97	17 N/A N/A						66.84-66.87 m PARTIAL CORE RECOVERY. brown silty sand				
66.97-67.72 67.41-67.69	79 N/A N/A		CS 128			Brown silty SAND with horizons of grey fine grained sandstone up to 70mm in thickness. (LAMBETH GROUP - SAND)	67.13 -63.66	(0.59)			
67.72-68.47	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)	67.72 -64.25				
68.47-69.22	48 N/A N/A				Flush: 66.97-69.97 mud, 50 %		68.86-69.22 m PARTIAL CORE RECOVERY. brown silty sand	(3.41)			
69.22-69.97	0 N/A N/A										
						Stratum continues to 71.13 m					

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks *	
From to (m)	



Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m Diameter 300mm Casing Depth 12.75m 28.55m 250mm 28.55m 48.40m 200mm 48.40m 120.00m 146mm 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
69.97-70.72	0 N/A N/A		Flush: 69.97-70.72 mud, 40 %	02/10/2010 70.72	0.00	ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)			
				03/10/2010 70.72	0800 1.82				
70.72-71.57	52 N/A N/A		Flush: 70.72-71.57 mud, 65 %			Brown silty fine to medium SAND. (LAMBETH GROUP - SAND)	71.13 -67.66		
71.57-72.22	100 N/A N/A		CS 129						
72.00-72.10									
							72.22-72.50 m NO RECOVERY		
72.22-72.97	63 N/A N/A								
							72.97-73.10 m NO RECOVERY	(3.75)	
72.97-73.72	83 N/A N/A								
							73.72-73.82 m NO RECOVERY		
73.72-74.47	87 N/A N/A								
							74.47-74.56 m NO RECOVERY		
74.60-75.22			CS 130						
74.47-75.22	88 N/A N/A		Flush: 71.57-78.04 mud, 60 %						
							74.88 -71.41		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 79.79 m			

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 15)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
75.22-76.72	22 N/A N/A					Stiff grey CLAY. (LAMBETH GROUP - CLAY)	75.22-76.39 m NO RECOVERY		
							76.39 m brown		
76.72-77.29	88 N/A N/A						76.69-76.72 m NO RECOVERY		
77.29-78.04	79 N/A N/A						77.29-77.45 m NO RECOVERY	(4.91)	
78.05-78.50			CS 131	03/10/2010 78.04	0.00				
78.04-78.90	100 N/A N/A			04/10/2010 78.04	0800 1.82				
78.90-79.79	100 N/A N/A								
						Very stiff greyish brown slightly sandy	79.79 -76.32		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 85.95 m			

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks *	
From to (m)	

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_8U Sheet 16 of 24
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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	<table border="1"> <tr> <th>Depth from</th> <th>to</th> <th>Diameter</th> <th>Casing Depth</th> </tr> <tr> <td>0.00m</td> <td>12.70m</td> <td>300mm</td> <td>12.75m</td> </tr> <tr> <td>12.70m</td> <td>28.55m</td> <td>250mm</td> <td>28.55m</td> </tr> <tr> <td>28.55m</td> <td>48.40m</td> <td>200mm</td> <td>48.40m</td> </tr> <tr> <td>48.40m</td> <td>120.00m</td> <td>146mm</td> <td>120.00m</td> </tr> </table>	Depth from	to	Diameter	Casing Depth	0.00m	12.70m	300mm	12.75m	12.70m	28.55m	250mm	28.55m	28.55m	48.40m	200mm	48.40m	48.40m	120.00m	146mm	120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
Depth from	to	Diameter	Casing Depth																					
0.00m	12.70m	300mm	12.75m																					
12.70m	28.55m	250mm	28.55m																					
28.55m	48.40m	200mm	48.40m																					
48.40m	120.00m	146mm	120.00m																					

Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 16)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
79.79-81.12	98 N/A N/A					fissured CLAY. Fissures are subhorizontal closely to widely spaced. (LAMBETH GROUP - CLAY)			
81.12-81.60			CS 132						
81.12-82.62	100 N/A N/A						81.52-81.57 m 1 No 70 degree smooth planar fissure		
			Flush: 78.04-87.12 mud, 70 %					(6.16)	
83.23-83.55			CS 139						
82.62-84.12	100 N/A N/A								
83.70-84.05			CS 140						
84.12-84.60			CS 133				84.25 m light greyish brown horizon		
84.12-85.65	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water		Stratum continues to 85.95 m		

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m Diameter 300mm Casing Depth 12.75m 28.55m 28.55m 250mm 28.55m 48.40m 48.40m 200mm 48.40m 48.40m 120.00m 146mm 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 17)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
						Very stiff greyish brown slightly sandy fissured CLAY. Fissures are subhorizontal closely to widely spaced. (LAMBETH GROUP - CLAY)			
						85.40-85.52 m 1 No 80 degree smooth planar fissure 85.52-85.70 m 1 No subvertical fissure			
85.65-87.12	20 0 0			04/10/2010 87.12	0.00	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK)	85.95 -82.48		
87.12-87.87	0 0 0			05/10/2010 87.12	0800 0.33				
87.87-88.62	0 0 0								
88.62-89.37	0 0 0								
89.37-90.12	0 0 0								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 108.47 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 18)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
90.12-90.87	0 0 0					Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK)			
90.87-91.62	0 0 0		Flush: 87.12-95.37 mud, 80 %						
91.62-92.37	0 0 0								
92.37-93.12	0 0 0								
93.12-93.87	0 0 0						93.12-95.37 m foreman reports green/grey returns		
93.87-94.62	0 0 0								
94.62-95.37	0 0 0					Stratum continues to 108.47 m			

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks *	
From to (m)	



Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 19)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
95.37-96.12	0 0 0					Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK)	(22.52)		
96.12-96.87	0 0 0		Flush: 95.37-97.62 mud, 60 %						
96.87-97.62	0 0 0								
97.62-98.62	0 0 0		Flush: 97.37-98.62 mud, 50 %	05/10/2010 98.62	0.00				
98.62-99.37	0 0 0			06/10/2010 98.62	0800 0.23				
99.37-100.12	0 0 0		Flush: 98.62-100.12 mud, 75 %	06/10/2010					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 108.47 m			

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks *	
98.62 120.00 Geobor S surface set 7 step bit used.	



Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 20)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
100.12-100.57			SPT S N=122 (5,12/34,28,28,32) SW= 880	100.12	0.00	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK)			
				07/10/2010	0800				
				100.12	0.12				
100.12-101.62	0 0 0								
101.62-102.62	0 0 0						101.62-102.17 m shelby sample attempted. (NO RECOVERY)		
102.62-103.62	0 0 0						102.62-103.17 m shelby sample attempted. (NO RECOVERY)		
103.62-105.12	0 0 0						103.62-104.52 m PARTIAL CORE RECOVERY. U70 - structureless chalk composed of greyish white slightly sandy slightly gravelly SILT. Gravel is extremely weak of fine grained chalk		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 108.47 m			

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck (m) Post strike behaviour	Depth sealed (m) From to (m)	Depths (m) Time Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_8U Sheet 21 of 24
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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 21)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
105.12-106.62	0 0 0			07/10/2010 106.62	0.35	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK) 105.12-105.76 m PARTIAL RECOVERY. U70 - structureless chalk, composed of greyish white sandy clay				
				08/10/2010 106.62	0800 1.14	106.62-107.26 m PARTIAL CORE RECOVERY. U70 - structureless chalk composed of greyish white sandy silt				
				08/10/2010 106.62	0.00					
106.62-108.12	0 0 0			11/10/2010 106.62	0800 0.46	107.20 m 1 No partially rinded flint 80mm in size				
108.12-108.87	53 17 0					108.47-108.72 m recovered as sandy slightly gravelly clay. Gravel is partially rinded flint up to 60mm in size	08.47 -105.00			
108.87-109.62	61 28 0					109.00-109.12 m drilling induced NI 109.23-109.33 m drilling induced NI 109.33-110.50 m AZCL				
109.62-110.37	0 0 0									
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 113.37 m				

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks *	
From to (m)	



Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m Diameter 300mm Casing Depth 12.75m 28.55m 28.55m 250mm 28.55m 48.40m 48.40m 200mm 48.40m 120.00m 120.00m 146mm 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests				Strata			Groundwater		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 22)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
110.37-111.12	91 59 0		Flush: 100.12-120.00 mud, 80 %			Weak, low to medium density greyish white CHALK. Fractures are subhorizontal, closely spaced, clean. (WHITE CHALK A3)	(4.90)		
111.12-111.87	35 0 0				111.00-111.12 m drilling induced NI 111.12-111.38 m drilling induced de-structured containing partially rounded flint up to 50mm in size 111.39-112.98 m AZCL				
111.87-112.62	0 0 0								
112.62-113.37	52 0 0				112.98-113.19 m drilling induced de-structured with partially rounded flints up to 40mm in size 113.19-113.37 m AZCL				
113.37-114.87	0 0 0				ZONE OF CORE LOSS. Foreman reports chalk. (Probably CHALK) 1 No subvertically undulose, clean fracture				
Stratum continues to 116.45 m							(3.08)		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests				Strata			Groundwater		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 23)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
114.87-115.62	17 5 0					ZONE OF CORE LOSS. Foreman reports chalk. (Probably CHALK)			
115.62-116.37	0 0 0								
116.37-117.12	89 89 75					Weak, medium density white CHALK. Fractures are subhorizontal, closely spaced, clean. (WHITE CHALK A3)	16.45 -112.98 (0.67)		
117.12-117.87	0 0 0					ZONE OF CORE LOSS. Foreman reports chalk. (Probably CHALK)	17.12 -113.65		
117.87-118.62	0 0 0			11/10/2010 118.62	0.00		(2.88)		
118.62-119.20	0 0 0			12/10/2010 118.62	0800 0.55				
119.20-120.00	0 0 0			12/10/2010 120.00	0.55				
EXPLORATORY HOLE ENDS AT 120.00 m									

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck (m) Post strike behaviour	Depth sealed (m) From to (m)	Depths (m) Time Tools used

Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 11.60m Diameter 300mm Casing Depth 11.60m 28.50m 28.50m 52.25m 52.25m 150mm 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit.			Fine SAND. (Foreman's description) (Possibly MADE GROUND)	(0.70)		
1.20-1.65	U 1	38 blows 420 mm rec		dry		0.70 +9.11		
1.70 1.75-2.20	D 2 U 3	41 blows 410 mm rec		dry	Orangish brown slightly silty SAND. (Possibly MADE GROUND)	(1.60)		
2.25 2.30-2.75	D 4 U 5	47 blows 370 mm rec		1.20		2.30 +7.51		
2.80 2.85-3.30	D 6 U 7	46 blows		1.20	Orangish brown slightly silty slightly gravelly SAND. Gravel is angular fine to coarse of flint. (Possibly CRAG DEPOSITS)	(1.70)		
3.35	D 8		29/09/2010	3.00 2.10				
3.55-4.00	U 9	42 blows	30/09/2010	0800 3.00 3.40				
4.05-4.50 4.05	U 11 D 10	41 blows		3.80	Orangish brown silty SAND. (CRAG DEPOSITS)	4.00 +5.81		
4.55 4.60-5.05	D 12 U 13	46 blows		4.30				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 11.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 55.10 2. No U100 Hammer weights used,	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_9U Sheet 1 of 12
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Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata			Ground Level				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
5.10	D 14				Orangish brown silty SAND. (CRAG DEPOSITS)		[Symbol: x]	[Symbol: /]				
5.20-5.65	U 15	48 blows	4.30									
5.70	D 16					5.70 m locally slightly clayey						
5.80-6.25	U 17	61 blows	4.30									
6.30	D 18											
6.35-6.80	U 19	52 blows	4.30									
6.85	D 20											
6.90-7.35	U 21	51 blows	4.30									
7.40	D 22								(7.00)			
7.55-8.00	U 23	47 blows 420 mm rec	4.30									
8.05	D 24											
8.10-8.55	U 25	51 blows	4.30									
8.60	D 26											
8.65-9.10	U 27	52 blows	4.30									
9.15	D 28											
9.25-9.70	U 29	41 blows	4.30									
9.75	D 30											
9.95-10.40	U 31	42 blows	4.30									
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 11.00 m							

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
10.45	D 32				Orangish brown silty SAND. (CRAG DEPOSITS)								
10.55-11.00	U NR	19 blows No recovery	4.30										
10.55-11.00	B 33												
11.05-11.50	U 34	18 blows 400 mm rec	4.30		Dark orange brown to reddish brown silty SAND. (CRAG DEPOSITS)	11.00 -1.19							
11.55	D 35					(1.00)							
11.60-12.05	U 36	22 blows 350 mm rec	19.30	9.10									
12.10	D 37				Orangish brown silty SAND. (CRAG DEPOSITS)								
12.20-12.65	U 38	32 blows 360 mm rec	12.00	1.10									
12.70	D 39												
12.80-13.20	U 40	41 blows	12.70	0.75									
13.25	D 41		30/09/2010										
13.55-14.00	U 42	44 blows 370 mm rec	13.00	3.18									
			01/10/2010	0800									
			13.00	3.18									
14.10	D 43				Dark orange brown slightly silty SAND. (CRAG DEPOSITS)								
14.15-14.60	U 44	61 blows	14.00	1.10									
14.80	D 45												
14.95-15.50	U 46	63 blows 300 mm rec	14.50	0.00									
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 19.20 m								

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_9U
Scale 1:25	Project No. A0012-10	Sheet 3 of 12
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Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
15.45	D 47				Dark orange brown slightly silty SAND. (CRAG DEPOSITS)	(5.20)			
15.55-16.00	U 48	71 blows	15.40	0.00					15.45 m slightly gravelly. Gravel is subangular fine of mudstone and siltstone.
16.10	D 49								
16.25-16.70	U 50	71 blows 410 mm rec	16.00	1.00					
16.75	D 51								
16.80-17.25	U 52	67 blows 420 mm rec	16.30	0.70					
17.30	D 53								
17.45-17.90	U 54	72 blows	17.70	0.50					
18.00	D 55								
18.05-18.50	U 56	76 blows 380 mm rec	18.00	0.00					
18.55-19.00	U 57	66 blows 420 mm rec	18.00	0.00					
19.10	D 58				Dark orangish brown slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	19.20	-9.39		
19.20-19.65	U NR	69 blows No recovery	19.00	0.10					
19.70-20.15	B 59								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 26.75 m				

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)							

Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
20.25-20.70	U 60	68 blows 380 mm rec	20.00	0.00	Dark orangish brown slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(7.55)						
20.90-21.35	U 61	74 blows 380 mm rec	20.70	0.60								
21.50-21.95	U 62	66 blows 380 mm rec	21.40	0.60								
22.05-22.50	U 63	71 blows 380 mm rec	22.00	0.70								
22.60-23.05	U 64	73 blows 420 mm rec	22.00	0.70								
			01/10/2010	23.00					1.20			
23.20-23.65	U 65	71 blows 360 mm rec	02/10/2010	0800					23.00	3.18	23.00	3.18
23.80-24.25	U 66	72 blows 350 mm rec	23.60	3.18								
24.40-24.85	U 67	70 blows 390 mm rec	24.20	3.18								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 26.75 m							

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling	
No. Struck (m)	Post strike behaviour				From to (m)		Depths (m)	Time Tools used
None observed (see Key Sheet)								

Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
25.00-25.45	U 68	74 blows	24.90	3.18	Dark orangish brown slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)								
25.50 25.55-26.00	D 69 U 70	71 blows 400 mm rec	25.30	0.00		25.50 m soft slightly sandy slightly gravelly clay. Gravel is angular to subangular fine of mudstone.							
26.05 26.15-26.60 26.15-26.60	D 71 U NR B 72	73 blows No recovery	26.00	0.00									
26.75	D 73				Grey angular to subangular medium to coarse GRAVEL of siltstone. (CRAG DEPOSITS)	26.75 -16.94							
27.00-27.45	U 74	82 blows 320 mm rec	26.80	0.00		(1.30)							
27.55-28.00	U 75	84 blows	27.40	0.00									
			02/10/2010 27.40	1.10									
28.05-28.50	U 76	87 blows	27.60 03/10/2010 27.40	3.18 0800 3.18	Dark orangish brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	28.05 -18.24							
28.55-29.00	U 77	79 blows	28.20	2.10									
29.05-29.50	U 78	71 blows 240 mm rec	28.80	3.11									
29.55-30.00	U 79	77 blows 380 mm rec	29.20	2.10									
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.15 m								

Groundwater Entries			Depth sealed (m)			Depth Related Remarks *			Chiselling		
No. Struck (m)	Post strike behaviour					From to (m)			Depths (m)	Time	Tools used
None observed (see Key Sheet)											

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_9U
Scale 1:25	Project No. A0012-10	Sheet 6 of 12
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Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.05-30.50	U 80	76 blows 300 mm rec	29.70	0.00	Dark orangish brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
30.55-31.00	U 81	78 blows 320 mm rec	30.20	1.00				
			03/10/2010					
			30.70	2.25				
31.05-31.50	U 82	82 blows 350 mm rec	30.90	0.00				
			04/10/2010	0800				
			30.70	3.21				
31.55-32.00	U 83	79 blows 230 mm rec	31.40	0.00				
32.20-32.65	U 84	84 blows 320 mm rec	32.00	0.00				
32.70-33.15	U 85	82 blows 230 mm rec	32.40	0.00		32.70 m grey		
33.25-33.70 33.25-33.70	U NR B 86	91 blows No recovery	33.00	0.00				
33.80-34.25	U 87	94 blows 230 mm rec	33.60	0.00		(12.10)		
34.40-34.85	U 88	102 blows 200 mm rec	34.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.15 m			

Groundwater Entries		Depth sealed (m)		Depth Related Remarks *		Chiselling	
No. Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time Tools used
None observed (see Key Sheet)							

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_9U
Scale 1:25	Project No. A0012-10	Sheet 7 of 12
(c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 13:39:41	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 11.60m Diameter 300mm Casing Depth 11.60m 28.50m 250mm 28.50m 28.50m 52.25m 200mm 52.25m 52.25m 55.10m 150mm 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.00-35.45 35.00-35.50	U NR B 89	97 blows No recovery	34.70	0.00	Dark orangish brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
35.60-36.05	U 90	121 blows 300 mm rec	35.40	0.00				
36.20-36.45	U NR	124 blows No recovery	36.00	0.00				
36.85-37.30	U 92	122 blows 330 mm rec	36.60	0.00				
37.45-37.90 37.45-37.90	U NR B 93	108 blows No recovery	37.20	0.00				
38.00-38.45	U 94	111 blows 280 mm rec	37.70	0.00				
38.55-39.00	U 95	120 blows 290 mm rec	35.10	0.00				
39.10-39.55 39.10-39.55	U NR B 96	120 blows No recovery	39.00	0.00				
39.65-40.10 39.65-40.10	U NR B 97	123 blows No recovery	39.40	0.00				
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 40.15 m		

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT		Start 29/09/2010 End 07/10/2010		Equipment, Methods and Remarks Dando 175 Cable percussion boring.		Depth from 0.00m 11.60m 28.50m 52.25m		to 11.60m 28.50m 200mm 55.10m		Diameter 300mm 250mm 200mm 150mm		Casing Depth 11.60m 28.50m 52.25m 55.10m		Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60			
Samples and Tests														Strata		Chainage	
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)		Depth, Level/ Thickness	Legend	Backfill/ Instruments								
40.15-40.50	B 98		04/10/2010		Dark orangish brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)		40.15 -30.34										
			40.00	1.10	Grey angular COBBLES of siltstone. (CRAG DEPOSITS)		(0.39)										
			05/10/2010	0800	Dark grey silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		40.54 -30.73										
40.85-41.00	U 99	132 blows	40.00	0.00													
41.05-41.32	U NR B 100	152 blows No recovery	41.00	0.00													
41.40-41.65	U NR B 101	161 blows No recovery	41.20	1.10													
41.80-42.02	U NR B 102	160 blows No recovery	41.60	1.10			(2.51)										
42.15-42.40	U NR B 103	165 blows No recovery	42.00	0.70													
42.55-42.80	U NR B 104	184 blows No recovery	42.20	0.40													
42.80-43.00	U 105	210 blows 120 mm rec	42.20	0.00													
43.05	D 106																
					Very weak grey to greyish brown thinly laminated SILTSTONE. Recovered as slightly sandy angular gravel. (CRAG DEPOSITS)		43.05 -33.24										
							(1.05)										
43.70-44.00	U 107	192 blows 230 mm rec	43.40	0.00													
44.10-44.30	B 108																
					Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		44.10 -34.29										
44.45-44.90	U 109	151 blows 190 mm rec	44.20	0.00													
44.55-46.00	B 111																
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 52.45 m												
Groundwater Entries				Depth sealed (m)		Depth Related Remarks *		Chiselling									
No. Struck (m)	Post strike behaviour				From to (m)		Depths (m)		Time	Tools used							
None observed (see Key Sheet)								40.15 -40.50	60 mins								
								43.05 -43.66	75 mins								
								44.10 -44.30	30 mins								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE				Borehole									
Scale 1:25				Project No. A0012-10				CBH 2009_9U									
(c) Soil Mechanics www.soil-mechanics.com				Carried out for NNB Generation Company Limited				Sheet 9 of 12									
408.24 18/02/2011 13:39:47				AGS													

Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.00-45.40 45.00-45.45	U NR B 110	171 blows No recovery	44.70	0.30	Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(8.35)		
45.55-46.00	U NR	154 blows No recovery	44.40	0.00				
46.10-46.55	U 112	137 blows 40 mm rec	46.00	1.00				
46.70-47.15 46.70-47.15	U NR B 113	124 blows No recovery	46.40	1.00				
47.20 47.25-47.70 47.25-47.70	D 114 U NR B 115	72 blows No recovery	47.00	1.00				
			05/10/2010					
			47.70	2.20				
47.80-48.25 47.80-48.25	B 116 U NR	84 blows No recovery	06/10/2010	0800				
			47.70	1.10				
			47.70	9.20				
48.30-48.75 48.30-48.75	U NR B 117	76 blows No recovery	48.00	0.00				
48.90-49.35 48.90-49.35	U NR B 118	64 blows No recovery	48.60	0.00				
49.45-49.90 49.45-49.90	U NR B 119	67 blows No recovery	49.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 52.45 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_9U
Scale 1:25	Project No. A0012-10	Sheet 10 of 12
(c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 13:39:51	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
50.00-50.33 50.00-50.40	U NR B 120	126 blows No recovery	49.70	0.00	Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
50.55-51.00 50.55-51.00	U NR B 121	132 blows No recovery	50.30	0.00						
51.10-51.55 51.10-51.55	U NR B 122	148 blows No recovery	51.00	0.00						
51.60-52.05 51.60-52.05	U NR B 123	157 blows No recovery	51.40	0.70						
			06/10/2010 51.40	2.18						
52.25-52.70 52.25-52.70	B 124 U NR	171 blows No recovery	07/10/2010 52.20 51.40	0800 1.10 9.20						
						52.45 -42.64				
52.75-53.20	U 125	38 blows	52.50	0.70		Very stiff brown silty CLAY. (LONDON CLAY)				
53.25	D 126									
53.45-53.90	U NR	46 blows No recovery	53.20	0.60						
					(2.65)					
54.00 54.05-54.50	D 128 U 129	57 blows 330 mm rec	54.00	1.00						
54.55-55.00	U 130	60 blows	54.17	1.00						
			07/10/2010							
					Stratum continues to 55.10 m					

Groundwater Entries		Depth Related Remarks *		Chiselling	
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time Tools used
None observed (see Key Sheet)					

Borehole Log



Soil Mechanics

Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
-55.10	D-131		55.10	1.00	Very stiff brown silty CLAY. (LONDON CLAY) EXPLORATORY HOLE ENDS AT 55.10 m	55.10 -45.29	x	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT		Start 20/08/2010 End 01/09/2010		Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)		Depth from 0.00m to 6.00m to 6.00m to 55.40m		Diameter 198mm Casing Depth 6.00m to 41.90m		Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage		
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)					0.10 +6.02		
0.40-0.60	D 1 B 2				Brownish red sandy GRAVEL of angular to subangular fine to coarse mixed lithologies including limestone. (MADE GROUND)					(0.50)		
0.60-0.80	B 3				Orangish brown sandy GRAVEL of angular to subrounded fine to coarse mixed lithologies including limestone with occasional fragments of brick. (MADE GROUND)					0.60 +5.52		
0.90-1.20	D 4				Yellowish brown slightly gravelly SAND. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and occasional fragments of concrete. (MADE GROUND)					0.90 +5.22		
1.20-1.70	90 N/A N/A	Flush: 1.20-1.70 Water/Mud, 100 %	20/08/2010	0800	1.20-1.25 m NO RECOVERY							
1.70-3.20	30 N/A N/A				1.70-2.75 m NO RECOVERY					(2.30)		
2.75-3.20		CS 5										
3.20-4.70	0 N/A N/A		20/08/2010	1800	ZONE OF CORE LOSS. Foreman reports sandy gravel of angular fragments of brick (Possibly MADE GROUND)					3.20 +2.92		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 7.15 m						
Groundwater Entries No. Struck Post strike behaviour (m)				Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)						0.00 13.20 Geobor S surface set 7 step bit used.						
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for					Borehole CBH 2009_10 Sheet 1 of 12		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:19:15					AGS							

Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m to 55.40m Diameter 146mm	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
4.70-6.20	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sandy gravel of angular fragments of brick (Possibly MADE GROUND)	(3.95)		
6.20-7.70	37 N/A N/A								
7.15-7.70			CS 6						
						Brown and reddish brown gravelly fine to medium SAND. Gravel is angular to subangular fine to coarse of brick, flint and quartzite. (MADE GROUND)	7.15 -1.04 (0.55)		
7.70-8.45	93 N/A N/A					Orangish brown and yellowish brown slightly silty gravelly fine to medium SAND. Gravel is subrounded fine to medium of flint. (Possibly CRAG DEPOSITS)	7.70 -1.59 7.70-7.75 m NO RECOVERY		
8.45-9.20	0 N/A N/A						8.45-9.20 m NO RECOVERY (1.75)		
9.20-9.70	100 N/A N/A								
9.70-10.20	80 N/A N/A					Reddish brown silty fine to medium SAND with occasional soft grey silty clay bands. (Possibly CRAG DEPOSITS)	9.45 -3.34 9.70-9.80 m NO RECOVERY		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 10.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:19:16	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_10 Sheet 2 of 12
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.25-10.70			CS 7			Reddish brown silty fine to medium SAND with occasional soft grey silty clay bands. (Possibly CRAG DEPOSITS)	(1.25)		
10.20-10.70	90 N/A N/A				10.20-10.25 m NO RECOVERY				
10.70-11.20	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	10.70 -4.59		
11.20-11.70	90 N/A N/A					11.25-11.70 m PARTIAL CORE RECOVERY. Yellowish brown and brown fine to medium SAND with occasional fine to medium gravel size shell fragments and rare very soft silty clay pockets less than 25m in size (CRAG DEPOSITS)	(2.50)		
11.70-12.20	0 N/A N/A								
12.20-12.70	0 N/A N/A								
12.70-13.20	10 N/A N/A								
13.20-13.70	13.15-13.20 m PARTIAL CORE RECOVERY. Brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)					13.20 -7.09			
13.70-14.15			CS 8			Grey and yellowish brown SAND with frequent fine to coarse gravel size shell fragments and occasional firm grey clay pockets less than 50mm in size. (CRAG DEPOSITS)			
13.20-14.45	60 N/A N/A					13.20-13.70 m NO RECOVERY			
14.45-15.15	57 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 17.90 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 13.20 16.65 S size TSP Saw Tooth bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m to 55.40m 146mm 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.15-16.65	43 N/A N/A					Grey and yellowish brown SAND with frequent fine to coarse gravel size shell fragments and occasional firm grey clay pockets less than 50mm in size. (CRAG DEPOSITS)	15.15-16.00 m NO RECOVERY 16.00-16.65 m orangish brown	(4.70)	
17.30-17.75 16.65-18.15	63 N/A N/A		CS 9				16.65-17.30 m NO RECOVERY		
18.15-19.65	83 N/A N/A					Grey slightly silty fine to medium SAND with rare fine to coarse gravel size shell fragments and rare firm grey silty clay bands. (CRAG DEPOSITS)	18.00-18.05 m claystone bands. 18.15-18.40 m NO RECOVERY	17.90 -11.78	
							19.65-19.90 m NO RECOVERY 19.90-20.65 m frequent fine to	(2.75)	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From 16.65 to 55.40 (m) S size Cubic TSP bit used.	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT		Start 20/08/2010 End 01/09/2010		Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)			Depth from 0.00m to 6.00m to 6.00m to 55.40m Diameter 198mm Casing Depth 6.00m to 41.90m		Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage			
Samples and Tests						Strata						
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
19.65-21.15 20.45-20.90	83 N/A N/A		CS 10			Grey slightly silty fine to medium SAND with rare fine to coarse gravel size shell fragments and rare firm grey silty clay bands. (CRAG DEPOSITS) coarse shell fragments.						
						Yellowish brown SAND with frequent medium gravel size shell fragments and occasional soft grey silty clay bands. (CRAG DEPOSITS)			20.65 -14.53			
						20.90 m very thin soft grey silty clay band.						
						21.10 m very thin soft grey silty clay band.						
						21.15-21.25 m NO RECOVERY						
						21.45-21.70 m very thin grey clay bands.			(1.65)			
21.15-22.65	93 N/A N/A					22.10-22.15 m grey horizon.						
						Yellowish brown occasionally stained dark reddish brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			22.30 -16.18			
						22.65-22.75 m NO RECOVERY			(0.90)			
23.20-23.85			CS 11			Grey slightly silty fine to medium SAND with occasional thin clay laminations and rare very thin bands of claystone. (CRAG DEPOSITS)			23.20 -17.08			
22.65-24.15	93 N/A N/A								(0.95)			
24.50-24.70			CS 16			Yellowish brown occasionally stained dark reddish brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			24.15 -18.03			
						24.15-24.50 m NO RECOVERY						
						24.50-24.70 m extremely weak grey claystone horizons.						
24.15-25.65	77 N/A N/A											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 26.80 m						
Groundwater Entries					Depth Related Remarks *			Chiselling				
No. Struck		Post strike behaviour		Depth sealed (m)		From to (m)			Depths (m)		Time	Tools used
		None observed (see Key Sheet)										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL			Borehole				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:19:18					Project No. A0012-10			SITE				
AGS					Carried out for NNB Generation Company Limited			CBH 2009_10				
								Sheet 5 of 12				

Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m to 55.40m 6.00m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
26.20-26.80			CS 12			Yellowish brown occasionally stained dark reddish brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(2.65)		
25.65-27.15	93 N/A N/A					25.65-25.75 m NO RECOVERY			
27.15-28.65	97 N/A N/A					Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	26.80 -20.68		
						27.15-27.20 m NO RECOVERY			
						27.90 m black silty sand lamination less than 5mm in thickness. 28.10-30.15 m occasional bands of fine to coarse gravel size shell fragments.			
28.65-30.15	93 N/A N/A					28.65-28.75 m NO RECOVERY	(3.65)		
29.65-30.15			CS 13			28.75 m pocket of black silty sand.			
Depth						Stratum continues to 30.45 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.15-31.65	97 N/A N/A					Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS) 30.15-30.20 m NO RECOVERY	30.45 -24.33		
						Grey fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.00)		
31.65-33.15	73 N/A N/A					Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS) 31.65-32.05 m NO RECOVERY	31.45 -25.33		
32.55-33.15			CS 14				(1.55)		
33.15-34.65	90 N/A N/A					Grey SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS) 33.15-33.30 m NO RECOVERY	33.00 -26.88		
						34.15-34.25 m slightly clayey sand band.			
						34.45-34.50 m slightly clayey sand band. 34.65-34.80 m NO RECOVERY			
34.65-35.15	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 37.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m to 6.00m to 55.40m Diameter 198mm to 146mm Casing Depth 6.00m to 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
35.55-36.15			CS 15			Grey SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(4.40)		
						35.35-35.60 m slightly clayey fine to coarse sand			
35.15-37.40	29 N/A N/A					36.15-36.75 m NO RECOVERY			
37.00-37.40			CS 17						
37.40-38.90	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)	37.40 -31.28		
38.90-39.65	40 N/A N/A					39.35-39.65 m PARTIAL CORE RECOVERY. Greenish grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	(3.00)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 40.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 55.40m 146mm 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests				Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
39.65-40.40	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
							40.40 -34.28		
						Greenish grey and grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	40.40-41.00 m NO RECOVERY		
40.40-41.90	60 N/A N/A								
							41.90-42.10 m NO RECOVERY		
							42.35 m band of angular medium to coarse gravel of claystone.		
41.90-43.40	87 N/A N/A								
42.75-43.20			CS 18						
							43.40-43.65 m NO RECOVERY		
							44.00 m very thin stiff brownish grey clay band.		
43.40-44.90	83 N/A N/A								
							44.30 m very thin stiff brownish grey clay band.		
							44.90-45.10 m NO RECOVERY		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 49.63 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 55.40m 146mm 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
44.90-46.40	87 N/A N/A					Greenish grey and grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	(9.23)		
						46.35 m very thin stiff brownish grey clay band. 46.40-46.60 m NO RECOVERY			
46.40-47.90	87 N/A N/A								
47.45-47.90			CS 19			47.30-47.35 m black silt horizon.			
						47.90-48.30 m NO RECOVERY			
47.90-49.40	73 N/A N/A					48.30-48.45 m very thin occasional bands of stiff brownish grey silty clay.			
						49.40-49.55 m NO RECOVERY			
						Stiff to very stiff brown slightly sandy fissured CLAY. Fissures are closely spaced subhorizontal. (LONDON CLAY A1)	49.63 -43.51		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 55.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:19:21	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_10 Sheet 10 of 12
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Borehole Log



Soil Mechanics

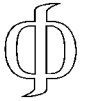
Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 55.40m 146mm 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
49.40-50.90	90 N/A N/A					Stiff to very stiff brown slightly sandy fissured CLAY. Fissures are closely spaced subhorizontal. (LONDON CLAY A1)			
50.45-50.90			CS 20						
50.90-52.40	100 17 0						52.25-52.40 m strong grey siltstone horizon.		
52.40-53.90	87 N/A N/A						52.26-52.40 m 1 No subvertical rough undulose fracture	(5.77)	
53.35-53.80			CS 21						
53.90-55.40	80 N/A N/A					53.90-54.20 m NO RECOVERY			
Stratum continues to 55.40 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m to 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 N 263719.63 Chainage
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Samples and Tests					Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
						Stiff to very stiff brown slightly sandy fissured CLAY. Fissures are closely spaced subhorizontal. (LONDON CLAY A1)			
						EXPLORATORY HOLE ENDS AT 55.40 m	55.40 -49.28		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-0.40	B 1A	* 0.00-1.20 m Hand excavated inspection pit.			Brown gravelly SAND. Gravel is subangular to rounded fine to coarse of flint with occasional mudstone and sandstone. (MADE GROUND)	(0.40)		
0.20	D 2A							
0.40-0.90	B 3A				Yellow brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (Possibly MADE GROUND)	0.40 +8.32		
0.50	D 4A							
1.00-1.20	B 5A	51 blows			Orange brown fine to medium SAND. (Possibly MADE GROUND)	1.00 +7.72		
1.10	D 6A							
1.20-1.65	U 1			dry	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone. (Possibly MADE GROUND)	1.20 +7.52		
1.70	D 2	61 blows						
1.75-2.20	U 3					dry		
2.20	D 4	51 blows						
2.30-2.75	U 5					dry		
2.80-3.25	U 6	54 blows				dry		
3.30	D 7	57 blows						
3.35-3.80	U 8					dry		
3.80-4.25	U 9	48 blows				dry		
4.25-4.70	U 10	49 blows				dry		
4.75	D 11	82 blows						
4.80-5.25	U 12				dry			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 23.50 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m) Time Tools used		
No. Struck (m)	Post strike behaviour				From to (m)				
None observed (see Key Sheet)					0.00 30.00 1 No. U100 Hammer weight used.				

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_11U
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:01:20	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	Sheet 1 of 12

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 7.00m Diameter 300mm Casing Depth 6.70m 7.00m 26.10m 250mm 26.10m 26.10m 50.90m 200mm 47.04m 50.90m 56.70m 150mm 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.25-5.70	U 13	81 blows		dry	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone. (Possibly MADE GROUND)			
5.75-5.80-6.25	D 14 U 15	84 blows		dry				
6.25-6.70	U 16	60 blows		dry				
6.70-7.15	U 17	61 blows		dry				
7.15-7.60	U 18	43 blows	7.00	1.10				
7.60-8.05	U 19	45 blows 370 mm rec	7.40	0.75				
			15/10/2010 7.40	0.75				
			16/10/2010 7.40	0800				
8.80-9.25	U 20	48 blows 400 mm rec	8.50	2.25				
9.30-9.75	U 21	52 blows	9.00	1.15				
9.80-10.25	U NR	54 blows No recovery	9.50	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 23.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 7.00 Water added to assist boring.	Chiselling Depths (m) Time Tools used 8.10 -8.77 90 mins
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Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.30-10.75	U 23	59 blows	10.00	0.00	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone. (Possibly MADE GROUND)	(22.30)		
10.80-11.25	U 24	57 blows	10.50	0.00				
11.30-11.75	U 25	49 blows	11.00	0.60				
11.80-12.25	U 26	53 blows	11.60	0.75				
12.30-12.75	U 27	47 blows	12.00	0.00				
12.80 12.85-13.30	D 28 U 29	49 blows	12.70	0.10				
13.33 13.35-13.80	D 30 U 31	41 blows	13.10	2.00				
13.83 13.85-14.30	B 32 U 33	40 blows 400 mm rec	13.60	0.00				
14.35-14.80	U 34	38 blows	14.20	0.00				
14.85-15.30	U 35	34 blows	14.60	0.10				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 23.50 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.35-15.80	U 36	31 blows	15.10	0.40	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone. (Possibly MADE GROUND)			
15.85 15.90-16.35	D 37 U 38	42 blows 400 mm rec	15.70	0.55				
			16/10/2010 16.00	2.35				
16.40-16.85	U 39	44 blows 420 mm rec	16.00 17/10/2010 16.00	0.00 0800 8.25				
16.90-17.35	U 40	45 blows	16.60	0.00				
17.40-17.85	U 41	59 blows 400 mm rec	17.10	0.00				
17.90-18.35	U 42	67 blows	17.70	0.00				
18.40-18.85	U 43	77 blows	18.20	0.00				
18.90-19.35	U 44	79 blows	18.70	0.00				
19.50-19.95	U 45	86 blows 420 mm rec	19.25	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 23.50 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
No. Struck (m)	Post strike behaviour							
None observed (see Key Sheet)								

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_11U
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:01:29	Project No. A0012-10	Sheet 4 of 12
	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.00-20.45	U 46	94 blows	19.25	0.00	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone. (Possibly MADE GROUND)			
20.50-21.00	U 47	107 blows 440 mm rec	20.40	0.00				
21.05-21.50	U 48	112 blows 370 mm rec	20.60	0.00				
21.55-22.00	U 49	97 blows	21.30	0.00				
22.05-22.50	U 50	107 blows 370 mm rec	21.75	0.00				
22.50-23.00	U 51	96 blows 320 mm rec	22.30	0.00				
23.05-23.50	U 52	92 blows	22.90	0.00				
23.55-24.00	U 53	90 blows	22.90	0.00				
			17/10/2010					
			24.00	2.40				
24.05-24.50	U 54	82 blows 410 mm rec	24.00	4.10	Brownish orange, locally dark reddish brown, slightly silty SAND with occasional fine gravel sized shell fragments. (Possibly CRAG DEPOSITS)	23.50	-14.78	
			18/10/2010	0800				
			24.00	8.00				
24.55-25.00	U 55	76 blows 410 mm rec	24.20	2.10				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 28.70 m			

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)							

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.05-25.50	U 56	90 blows 370 mm rec	24.80	2.00	Brownish orange, locally dark reddish brown, slightly silty SAND with occasional fine gravel sized shell fragments. (Possibly CRAG DEPOSITS)	(5.20)	[Symbol: x]	[Symbol: /]
25.55-26.00	U 57	81 blows 350 mm rec	25.10	2.00				
26.05-26.50	U 58	77 blows 410 mm rec	25.90	2.00				
26.55-27.00 26.55-27.00	U NR B 59	71 blows No recovery	26.10	2.00				
27.05-27.50	U 60	74 blows 402 mm rec	26.70	0.00				
27.55-28.00	U 61	70 blows 400 mm rec	27.20	0.75				
28.05-28.50	U 62	84 blows 390 mm rec	27.70	0.60				
28.70 28.75-29.20	B 63 U 64	81 blows	28.60	0.40				
29.35-29.80 29.35-29.80	U NR B 65	79 blows No recovery	29.00	0.35	Stratum continues to 41.55 m		[Symbol: x]	[Symbol: /]
			18/10/2010 29.80	3.60				

Groundwater Entries		Depth Related Remarks *		Chiselling	
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time Tools used
None observed (see Key Sheet)			30.00 56.70 2 No. U100 Hammer weights used.		

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_11U
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:01:35	Project No. A0012-10	Sheet 6 of 12
	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)											
30.00-30.45	U 66	* 72 blows 300 mm rec	29.80 19/10/2010	1.10 0800	Greyish brown slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)											
30.55-31.00 30.55-31.00	U NR B 67	68 blows No recovery	30.40	0.00												
31.05-31.50	U 68	71 blows 400 mm rec	30.70	0.00												
31.55-32.00	U 69	64 blows 200 mm rec	31.40	0.00												
32.10	D 70	69 blows	32.00	0.00												
32.20	U 71															
32.70-32.92 32.70-33.40	U NR B 72	124 blows No recovery	32.40	0.60							32.70 m foreman reports cobble					
33.00-33.21	U NR	119 blows No recovery	32.70	0.70												
33.55-34.00 33.55-34.00	U NR B 73	122 blows No recovery	33.30	0.40												
34.05-34.50	U 74	107 blows 400 mm rec	34.10	1.20												
34.55-35.00	U 75	92 blows 220 mm rec	34.20	0.00												
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 41.55 m											

Groundwater Entries		Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m)		Time	Tools used
No. Struck (m)	Post strike behaviour			From to (m)		32.70 -33.40		105 mins	
None observed (see Key Sheet)				30.00 56.70 2 No. U100 Hammer weights used.					

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_11U
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:01:38	Project No. A0012-10	Sheet 7 of 12
	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.05-35.50	U 76	89 blows 300 mm rec	34.90	0.00	Greyish brown slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(12.85)		
35.55-36.00	U 77	82 blows 200 mm rec	35.20	0.00				
36.10-36.55 36.10-36.55	U NR B 78	79 blows No recovery	36.00	0.00				
36.65-37.10 36.65-37.10	U NR B 79	82 blows No recovery	36.40	0.65				
37.20-37.65	U 80	72 blows 200 mm rec	37.00	0.70				
37.80-38.25 37.80-38.25	U NR B 81	66 blows No recovery	37.40	0.80				
38.40-38.85	U 82	71 blows 250 mm rec	38.00	0.90				
39.00-39.45	U 83	82 blows 200 mm rec	19/10/2010 38.50 39.00 20/10/2010 29.80	3.15 0.90 0800 8.00				
39.55-40.00	U 84	78 blows 350 mm rec	39.30	0.00				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)		

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.05-40.50	U 85	79 blows 350 mm rec	40.00	0.70	Greyish brown slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
40.55-41.00 40.55-41.00	U NR B 86	81 blows No recovery	40.00	0.70				
41.05-41.50 41.05-41.50	U NR B 87	83 blows No recovery	41.00	0.60				
41.55-42.00	U 88	51 blows 405 mm rec	41.30	0.00	Blueish grey slightly sandy silty CLAY. (CRAG DEPOSITS)	41.55 -32.83		
41.70-42.70	B 93							
42.08 42.10-42.55	D 89 U 90	49 blows	42.00	0.00		(1.75)		
42.65 42.70-43.15	D 91 U 92	47 blows	42.60	0.00				
43.20	D 94							
43.30-43.75 43.30-45.00	U 95 B 100	42 blows	43.00	0.30	Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	43.30 -34.58		
43.85	D 96							
43.95-44.40	U 97	41 blows	43.70	0.40		(1.25)		
44.50-45.00 44.50	U 99 D 98	41 blows	44.20	0.35	Grey sandy CLAY. (CRAG DEPOSITS)	44.55 -35.83		
						(0.55)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.10 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
No. Struck (m)	Post strike behaviour								
None observed (see Key Sheet)									

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole CBH 2009_11U
Scale 1:25	Project No. A0012-10	Sheet 9 of 12
(c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:01:44	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.10-45.55	U 101	40 blows 410 mm rec	45.00	0.00	Grey sandy CLAY. (CRAG DEPOSITS)	45.10 -36.38		
					Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.35)		
45.90-46.35	U 103	38 blows 160 mm rec	45.70	1.10				
46.45-46.90	U NR B 104	47 blows No recovery	46.00	0.00	Grey sandy CLAY. (CRAG DEPOSITS)	46.45 -37.73		
						(0.45)		
47.05-47.50	U 105	72 blows 350 mm rec	46.70	1.10	Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	46.90 -38.18		
						(0.65)		
47.55-48.00	U 106	81 blows	47.00	1.10	Grey silty sandy CLAY. (CRAG DEPOSITS)	47.55 -38.83		
48.05-48.24	U NR	No recovery	47.00	1.10				
48.27	D 108							
48.35-48.80	U 107	92 blows 340 mm rec	47.00	1.10				
						(1.55)		
48.90	D 109							
49.00-49.45	U 110	111 blows 250 mm rec	47.00	1.00				
						49.10 -40.38		
49.50	D 111							
49.55-50.00	U 112	97 blows 200 mm rec	47.00	0.00	Grey silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 56.20 m			

Groundwater Entries		Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour		From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
50.05-50.50 50.05-50.50	U NR B 113	121 blows No recovery	47.00	0.00	Grey silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(7.10)		
50.55-51.00 50.55-51.00	U 114 B 115	124 blows	47.00	0.00				
			20/10/2010					
			47.00	0.00				
51.05-51.30 51.05-51.30	U NR B 116	120 blows No recovery	50.90 21/10/2010	0.00 0800				
			47.00	7.80				
51.36-51.60 51.36-51.60	U NR B 117	120 blows No recovery	51.10	0.00				
51.65-51.77 51.65-51.77	U NR B 118	120 blows No recovery	51.10	0.00				
51.85-52.12 51.85-52.12	U NR B 119	140 blows No recovery	51.60	0.00				
52.30-52.60 52.30-52.60	U NR B 120	156 blows No recovery	52.00	0.00				
52.75-52.94 52.75-52.94	U NR B 121	150 blows No recovery	52.30	0.00				
53.05-53.40 53.05-53.40	B 122 U NR	160 blows No recovery	52.70	0.00				
53.55-53.82	U 123	165 blows 210 mm rec	53.10	0.00				
54.00-54.45	U 124	114 blows 160 mm rec	53.70	0.00				
54.55-55.00 54.55-55.00	U NR B 125	139 blows No recovery	54.00	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 56.20 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour				From to (m)		Depths (m) Time Tools used		
None observed (see Key Sheet)									

Borehole Log



Soil Mechanics

Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 7.00m Diameter 300mm Casing Depth 6.70m 26.10m 50.90m 200mm 47.04m 50.90m 56.70m 150mm 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
55.00-55.45 55.00-55.45	U NR B 126	120 blows No recovery	54.70	0.00	Grey silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
55.55-56.00 55.55-56.00	U NR B 127	120 blows No recovery	55.20	2.20				
56.10-56.50 56.10-56.14 56.14-56.50	U 128 U NR B 130	84 blows 200 mm rec 40 blows No recovery	56.00 56.00	1.80 1.90				
56.56-56.70 56.56	U NR D 129	100 blows No recovery	21/10/2010 56.45 56.31	1.70 2.20	Greyish brown slightly sandy CLAY. Sand is fine. (LONDON CLAY - A3ii)	56.20 -47.48 (0.50)		
					EXPLORATORY HOLE ENDS AT 56.70 m	56.70 -47.98		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 56.14 -56.20 20 mins
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.50 m Hand excavated inspection pit.			SAND. (Foreman's description) (MADE GROUND)	(1.50)		
1.50-3.00	100 N/A N/A		09/12/2010	0800	1.50-2.00 m rare rootlets Brown slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies. (MADE GROUND) 2.00 m grey	1.50 +0.00		
					2.55 m rare fine to coarse gravel size pockets of grey clay			
					2.80 m black 5mm horizon of sandy organic clay with 1 No rootlet	2.85 -1.35		
3.00-4.50	0 N/A N/A		09/12/2010	1800	Brown occasionally grey slightly gravelly locally gravelly SAND with rare medium gravel size shell fragments and fragments of wood up to 2mm x 50mm in size. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. (MADE GROUND) ZONE OF CORE LOSS. (Possible MADE GROUND)	3.00 -1.50		
			11/12/2010	0800	Brown occasionally grey slightly gravelly locally gravelly SAND with rare medium gravel size shell fragments and fragments of wood up to 2mm x 50mm in size. Gravel is subangular to subrounded fine to coarse of mixed lithologies	4.50 -3.00		
					Stratum continues to 5.35 m	(0.85)		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.50 66.00 U86 Sonic core barrel used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:21:39	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 1 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)				
4.50-6.00	100 N/A N/A					including flint. (MADE GROUND) 5.10 m slightly clayey 5.25 m frequent fragments of wood Dark brown spongy amorphous to locally pseudo-fibrous PEAT with strong organic odour. (RECENT DEPOSITS) 5.50-5.60 m slightly clayey Soft blueish grey organic CLAY thinly laminated with amorphous and pseudo-fibrous peat. Slight organic odour. (RECENT DEPOSITS) 5.92 m 5-10mm horizon of black fibrous peat Dark brown occasionally black spongy pseudo-fibrous, locally firm amorphous PEAT. (RECENT DEPOSITS) 6.10-6.20 m occasional thin horizons of grey clay 6.75-6.77 m thin horizon of grey clay 6.80 m medium gravel size red peat 7.12 m grey clay 7.16 m grey clay 7.20 m grey clay	5.35 -3.85 5.60 -4.10 (0.40) 6.00 -4.50			
6.00-7.50	100 N/A N/A						(1.35)			
7.50-9.00	100 N/A N/A					Black firm amorphous, locally spongy pseudo-fibrous PEAT. (RECENT DEPOSITS) Grey silty fine to medium SAND with rare partings of black slightly clayey sand. (Possible RECENT DEPOSITS) Dark grey silty fine to medium SAND. (Possible RECENT DEPOSITS) 9.00-9.10 m NO RECOVERY	7.35 -5.85 (0.50) 7.85 -6.35 9.00 -7.50			
9.00-10.50	93 N/A N/A					Yellowish brown fine to medium silty	(0.80) 9.80 -8.30			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 10.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled		Start		Equipment, Methods and Remarks				Depth from		Diameter		Casing Depth		Ground Level		Coordinates	
P/J/GR		09/12/2010		DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.				0.00m to 120.50m		150mm		120.50m		+1.50 mOD		E 647206.18 N 264198.57	
Logged		End												National Grid		Chainage	
JC		26/01/2011															
Checked																	
MT																	
Samples and Tests						Strata											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)		Depth, Level (Thickness)	Legend	Backfill/ Instruments							
						SAND. (Possible RECENT DEPOSITS)		(0.70)									
						10.28-10.30 m slightly gravelly. Gravel is subangular to subrounded fine to coarse of flint											
						ZONE OF CORE LOSS. (Possible RECENT DEPOSITS)		10.50 -9.00									
10.50-12.00	0 N/A N/A			11/12/2010	1800 12.00			(1.50)									
						Yellowish brown silty gravelly fine to medium SAND with occasional medium gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint.											
						12.30 m dark grey		12.00 -10.50									
						(Possible RECENT DEPOSITS)		(0.40)									
						Greenish grey locally yellowish brown silty fine to medium SAND with rare medium gravel size shell fragments. (CRAG DEPOSITS)											
						12.70 m 1 No coarse gravel size pocket of brown clay		12.40 -10.90									
12.00-13.50	100 N/A N/A							(2.05)									
						13.47 m light yellowish brown 13.50-13.60 m NO RECOVERY 13.60-14.20 m occasional coarse gravel size shell fragments											
						14.20-14.45 m frequent coarse gravel size shell fragments											
13.50-15.00	93 N/A N/A					Greyish brown slightly silty SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)		14.45 -12.95									
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 16.10 m											
Groundwater Entries				Depth sealed		Depth Related Remarks *				Chiselling							
No. Struck Post strike behaviour (m)				(m)		From to (m)				Depths (m) Time Tools used							
None observed (see Key Sheet)																	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for						Borehole DBH 2009_1 Sheet 3 of 25					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:21:41						AGS											

Borehole Log



Soil Mechanics

Drilled		Start		Equipment, Methods and Remarks				Depth from		Diameter		Casing Depth		Ground Level			
P/J/GR		09/12/2010		DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m)				0.00m to 120.50m		150mm		120.50m		+1.50 mOD			
Logged		End		Sonic 300 lorry mounted rotary rig (66.00-120.50m)								Coordinates		E 647206.18			
Checked		26/01/2011		Sonic rotary core drilling (U86 / S size) using water flush.								National Grid		N 264198.57			
													Chainage				
Samples and Tests						Strata											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)				Depth, Level (Thickness)	Legend	Backfill/ Instruments					
15.00-16.50	93 N/A N/A					Greyish brown slightly silty SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)				15.00-15.10 m NO RECOVERY	(1.65)						
						Orangish brown slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)				16.10-16.12 m grey clay	16.10 -14.60 (0.40)						
16.50-18.00	0 N/A N/A					ZONE OF CORE LOSS. SAND. (Foreman's description) (Possible CRAG DEPOSITS)					16.50 -15.00 (1.50)						
18.00-19.50	87 N/A N/A					Grey slightly silty fine to medium SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)				18.00-18.20 m NO RECOVERY	18.00 -16.50 (1.70)						
						Grey slightly silty fine to medium SAND with rare fine gravel size shell fragments.				18.85 m coarse gravel of grey sandstone 18.95 m coarse gravel of grey sandstone							
						Grey slightly silty fine to medium SAND with rare fine gravel size shell fragments.					19.70 -18.20 (0.30)						
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water												
Groundwater Entries				Depth sealed (m)		Depth Related Remarks *				Chiselling Depths (m) Time Tools used							
No. Struck Post strike behaviour (m)						From to (m)											
None observed (see Key Sheet)																	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited						Borehole DBH 2009_1 Sheet 4 of 25					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:21:42						AGS											

Borehole Log



Soil Mechanics

Drilled P/J/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
19.50-21.00	100 N/A N/A					(CRAG DEPOSITS) Grey slightly silty fine to medium SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	20.00 -18.50 (1.30)		
21.00-22.50	100 N/A N/A					Grey slightly silty fine to medium SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	21.30 -19.80 (2.10)		
22.50-24.00	90 N/A N/A					22.77-23.02 m rare fine gravel size shell fragments 23.02-23.20 m occasional medium gravel size shell fragments			
24.00-25.50	83 N/A N/A					Greenish grey slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS) 23.45 m frequent medium gravel size shell fragments 23.50-23.85 m silty 23.85-24.00 m NO RECOVERY 24.00-24.25 m NO RECOVERY 24.25-24.55 m occasional fine to coarse gravel size pockets of grey silty clay	23.40 -21.90 (1.00)		
						Grey slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	24.40 -22.90		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 28.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
25.50-27.00	100 N/A N/A			12/12/2010 27.00	1800	Grey slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS) 25.25-26.25 m frequent medium to coarse gravel size shell fragments 25.25-26.80 m occasional fine to coarse gravel size pockets of greenish grey very silty sand 25.50-26.25 m occasional fine to coarse gravel size pockets of grey and brown silty clay 25.60 m 1 No cobble size pockets of grey silty clay	(4.10)				
27.00-28.50	40 N/A N/A			13/12/2010 27.00	0800						27.00-27.90 m NO RECOVERY 27.90-28.20 m rare medium gravel size shell fragments 28.20-28.50 m frequent medium gravel size shell fragments
28.50-30.00	83 N/A N/A					28.50-28.75 m NO RECOVERY Blueish grey, locally brown silty fine to medium SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	28.50 -27.00				(1.50)

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 6 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
34.50-36.00	100 N/A N/A					Grey locally brown slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	(1.60)		
						35.45-36.00 m blueish grey			
						Grey locally brown SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	36.00 -34.50 (0.55)		
36.00-37.50	100 N/A N/A					Blueish grey slightly silty SAND with frequent fine to medium, locally coarse gravel size shell fragments. (CRAG DEPOSITS)	36.55 -35.05		
37.50-39.00	100 N/A N/A						(2.45)		
						ZONE OF CORE LOSS. (Possible CRAG DEPOSITS)	39.00 -37.50		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.16 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 39.00 42.00 Foreman reports casing dropped into borehole	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 8 of 25
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Borehole Log



Soil Mechanics

Drilled P/J/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
39.00-42.00	0 N/A N/A					ZONE OF CORE LOSS. (Possible CRAG DEPOSITS)	(3.16)		
						Blueish grey slightly silty SAND with frequent fine to medium, locally coarse gravel size shell fragments. (CRAG DEPOSITS)	42.16 -40.66		
42.00-45.00	95 N/A N/A			13/12/2010	1800	Stiff fissured greyish brown slightly sandy CLAY. Sand is fine to medium. (LONDON CLAY A3ii)	43.33 -41.83		
				45.00		43.22-43.33 m occasional coarse gravel size pockets of dark blueish black silty sand 43.33-43.43 m 2 No cobbles of flint 43.43-43.66 m occasional polished fissures	(1.67)		
						44.56 m rare laminae of black fine to medium sand 44.75-45.00 m locally dark and light grey fine to medium sandy			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
45.00-46.50	100 N/A N/A			14/12/2010	0800	Stiff brown and grey slightly sandy CLAY with randomly spaced dark blueish grey laminations and medium to coarse gravel size pockets of silty clay. Sand is fine to medium. (LONDON CLAY A3ii)	45.00 -43.50		
						45.73-48.00 m fine to coarse gravel size pockets of fine to medium grey sand			
						46.50-47.00 m black and grey fine to coarse gravel of siltstone and fine to medium sandstone.			
46.50-48.00	100 N/A N/A						(6.00)		
						48.00-51.00 m closely spaced horizons of blueish grey and dark grey slightly sandy silty clay			
						48.45-48.60 m fissured blueish grey locally dark grey slightly sandy clay			
48.00-49.50	87 N/A N/A								
						49.30-49.50 m NO RECOVERY			
						49.50-49.90 m frequent fine to coarse gravel of grey fine to medium sandstone			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 51.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 10 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
49.50-51.00	100 N/A N/A					Stiff brown and grey slightly sandy CLAY with randomly spaced dark blueish grey laminations and medium to coarse gravel size pockets of silty clay. Sand is fine to medium. (LONDON CLAY A3ii)	50.30-51.15 m fine to medium gravel of sandstone and siltstone		
51.00-52.50	100 N/A N/A					Stiff greyish brown fine to medium sandy CLAY. (LONDON CLAY A3ii)	51.00 -49.50 51.60-51.68 m pockets of light grey fine to medium sand 51.70 m dark grey	(1.50)	
52.50-54.00	100 N/A N/A					Stiff to very stiff fissured greyish brown slightly sandy locally sandy CLAY with occasional fine to coarse gravel size pockets of light brown and grey fine to medium sand. Fissures are extremely closely spaced, randomly orientated. Sand is fine to medium. (LONDON CLAY A3ii)	52.20-52.30 m dark blueish grey slightly sandy silty clay with occasional fine to coarse gravel of siltstone 52.30-52.50 m brown with frequent fine to coarse gravel size pockets of light grey fine to medium sand 53.00-53.30 m brown to black fine to medium sand	52.50 -51.00	(1.50)
54.00-55.50	100 N/A N/A					Very stiff fissured greyish brown CLAY with occasional fine to medium gravel size pockets of light brown silt. (LONDON CLAY A3ii)	54.00 -52.50	(1.50)	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 55.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:21:47	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 11 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			Ground Level Coordinates		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
55.50-57.00	100 N/A N/A					Very stiff fissured greyish brown CLAY with occasional fine to medium gravel size pockets of light brown silt. (LONDON CLAY A3ii)	55.50	-54.00	(0.95)		
						55.40 m sandy					
57.00-58.50	100 N/A N/A					Stiff greyish brown mottled light grey and dark grey sandy CLAY Sand is fine to medium. (LONDON CLAY A3ii)	56.45	-54.95	(0.32)		
						56.68	-55.18				
58.50-60.00	95 N/A N/A					Light brown sandy SILT with rare blueish grey mottling. Sand is fine to medium. (LAMBETH GROUP - CLAY)	57.00	-55.50	(1.25)		
						56.45 m black subrounded cobble of flint					
58.50-60.00	95 N/A N/A					Soft greyish brown locally slightly sandy CLAY with occasional fine to medium gravel size pockets of blueish grey silt. Sand is fine to medium. (LAMBETH GROUP - CLAY)	57.80	-56.75	(1.75)		
						56.90 m coarse gravel size pocket of light brown fine to medium sandy silt					
58.50-60.00	95 N/A N/A					Firm orangish brown mottled blueish grey locally orange slightly sandy silty CLAY. Sand is fine. (LAMBETH GROUP - CLAY)	58.05-58.20	-56.75	(1.75)		
						57.80 m subangular fine to medium gravel of siltstone					
58.50-60.00	95 N/A N/A					Firm orangish brown mottled blueish grey locally orange sandy to very sandy SILT. Sand is fine to medium. (LAMBETH GROUP - CLAY)	58.10	-56.75	(1.75)		
						58.05-58.20 m occasional fine to medium angular to subangular gravel of siltstone					
58.50-60.00	95 N/A N/A					58.10 m 2 No coarse gravel size pockets of reddish brown silty clay	58.50-58.70	-56.75	(1.75)		
						58.50-58.70 m occasional fine to coarse gravel of siltstone					
58.50-60.00	95 N/A N/A					59.93-60.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 12 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
64.50-66.00	100 N/A N/A			15/12/2010	1800 45.00	Grey silty fine to medium SAND with rare fine to medium gravel size shell fragments and rare fine to coarse gravel size pockets of grey clay. (LAMBETH GROUP - SAND)	(1.53)	[Symbol]	
66.00-66.50	100 N/A N/A			07/01/2011	0800 66.00 0.80	66.09-66.30 m slightly silty to silty with occasional black mottling	66.50 -65.00	[Symbol]	
66.50-68.00	100 N/A N/A					Grey silty fine to medium SAND with rare fine to medium gravel size shell fragments and rare fine to medium gravel size pockets of lignite. (LAMBETH GROUP - SAND)	(3.00)	[Symbol]	
68.00-69.50	87 N/A N/A					67.20-68.00 m randomly spaced slightly sandy to sandy clay bands with thin horizons of lignite and claystone 68.00-68.90 m occasional fine to medium gravel size shell fragments 68.90-69.20 m thin lamina of lignite 69.20-69.30 m slightly sandy clay 69.30-69.50 m NO RECOVERY	69.50 -68.00	[Symbol]	
						Stiff to very stiff fissured dark grey CLAY. (LAMBETH GROUP - CLAY)		[Symbol]	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 71.38 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 66.00 80.00 S size Sonic core barrel used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 14 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
69.50-71.00	100 N/A N/A			07/01/2011 71.00	1800 7.40	Stiff to very stiff fissured dark grey CLAY. (LAMBETH GROUP - CLAY)	(1.88)		
				08/01/2011 71.00	0800 6.80	71.02-71.07 m fine grey silty sand infilled burrow 2mm x 50mm in size			
71.00-72.50	100 N/A N/A					Very stiff extremely closely fissured dark grey silty CLAY with rare fine to coarse gravel size pockets of green glauconite. (LAMBETH GROUP - CLAY)	71.38 -69.88		
						72.50-73.45 m glauconite absent	(2.07)		
72.50-74.00	100 N/A N/A								
						73.63-73.64 m light grey silty clay	73.45 -71.95		
74.00-75.50	100 N/A N/A					Very stiff fissured silty CLAY with occasional locally frequent fine to coarse gravel size pockets of green glauconite. Fissures are closely spaced, randomly orientated, smooth. (LAMBETH GROUP - CLAY)			
Stratum continues to 78.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 16)			
80.00-81.50	100 N/A N/A		*	10/01/2011	0800	Very stiff slightly sandy slightly gravelly to gravelly dark green locally black CLAY. Gravel is subangular to rounded fine to coarse of flint. (LAMBETH GROUP - CLAY) Structureless CHALK composed of white slightly sandy slightly gravelly SILT. Gravel is very weak low density chalk and angular to subangular fine to coarse flint. (WHITE CHALK GRADE DM)	80.00 -78.50 (0.75) 80.75 -79.25 (0.87)		
81.50-83.00	77 69 69					Very weak medium to low density white CHALK with occasional grey staining. Fractures are very closely spaced, rough and smooth. (WHITE CHALK GRADE C4)	81.62 -80.12 (2.08)		
83.00-84.50	47 47 47					ZONE OF CORE LOSS. (Possible CHALK)	83.70 -82.20 (1.40)		
Stratum continues to 85.10 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 80.00 120.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 17)	Depth, Level / (Thickness)	Legend	Backfill/ Instruments
84.50-86.00	60 7 7			10/01/2011	1800	ZONE OF CORE LOSS. (Possible CHALK) Very weak medium to low density white CHALK with occasional grey staining. Fractures are closely spaced, randomly orientated, rough, undulated, open. (WHITE CHALK GRADE C3) 85.10-85.90 m non intact due to multiple vertical fractures 85.90-86.00 m 1 No full circ flint 100mm in size 86.00-86.13 m non intact due to multiple vertical fractures 86.92-87.00 m heavy grey staining 87.20 m 1 No flint 30mm in size and non intact 87.80 m 1 No full circ flint 100mm in size 87.90-88.10 m AZCL 88.10-88.25 m drilling induced non intact	85.10 -83.60		
86.00-87.50	100 91 85			11/01/2011	0800		(3.90)		
87.50-89.00	87 87 87								
89.00-90.50	43 43 43					ZONE OF CORE LOSS. (Possible CHALK) 89.00 m 1 No flint 20mm in size	89.00 -87.50		
							(0.85)		
							89.85 -88.35		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 91.20 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 18)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
90.50-92.00	47 47					Very weak medium to low density white CHALK with occasional grey staining. Fractures are very closely spaced, rough and smooth. (WHITE CHALK GRADE C4)	(1.35)		
						90.50-91.20 m drilling induced non intact			
92.00-93.50	100 100 0					91.13 m 1 No nodular flint 70mm in size	91.20 -89.70		
						ZONE OF CORE LOSS. (Possible CHALK)	(0.80)		
92.00-93.50	100 100 0					Very weak medium to low density white CHALK with occasional grey staining. Fractures are closely spaced, rough and smooth. (WHITE CHALK GRADE C4)	92.00 -90.50		
						92.00-92.10 m 1 No full circ flint 100mm in size 92.00-93.50 m drilling induced non intact			
93.50-95.00	93 93 93					92.48-92.53 m heavy grey staining	(1.50)		
						93.13 m 1 No light grey brown 5-10mm subhorizontal band	93.50 -92.00		
93.50-95.00	93 93 93					Very weak medium to low density white CHALK with occasional grey staining. Fractures are medium spaced, rough, undulating, open. (WHITE CHALK C2)	(1.55)		
						94.47-94.53 m 1 No brown high full circ flint 94.53-94.63 m AZCL			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 95.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 19 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests				Strata			Ground Level			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 19)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
95.00-96.50	47 47 47			11/01/2011	1800 96.50	Very weak medium to low density white CHALK with occasional grey staining. Fractures are medium spaced, rough, undulating, open. (WHITE CHALK C2)	95.05 m 1 No nodular flint 50mm in size	95.05 -93.55		
						ZONE OF CORE LOSS. (Possible CHALK)	(0.80)			
96.50-98.00	0 0 0			12/01/2011	0800 96.50	Very weak medium to low density white CHALK with occasional grey staining. Fractures are medium spaced, rough, undulating, open. (WHITE CHALK C1)		95.85 -94.35		
						ZONE OF CORE LOSS. (Possible CHALK)	(0.65)			
98.00-99.50	100 100 100					Very weak medium to low density white CHALK with occasional grey staining. Fractures are widely spaced, rough, undulating, open. (CHALK C1)	98.00-98.10 m 1 No full circ flint 100 in size 98.10-99.50 m drilling induced non intact	96.50 -95.00		
							(1.50)			
99.50-99.85							99.50 m 1 No nodular flint 50mm in size 99.50-99.75 m rare orangish brown staining 99.55-99.60 m drilling induced non intact	98.00 -96.50		
							(3.00)			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 101.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 20 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 20)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
99.50-101.00	100 100 100					Very weak medium to low density white CHALK with occasional grey staining. Fractures are widely spaced, rough, undulating, open. (CHALK C1) :: 99.80m - localised black speckling 100.53-100.54 m 1 No 25mm grey band	01.00 -99.50		
101.00-102.50	90 90 85					Very weak medium to low density white CHALK with occasional grey staining and localised orangish brown staining. Occasional localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough, smooth, undulating and planar. (WHITE CHALK GRADE C2) 102.10 m localised green staining 102.35-102.70 m AZCL 102.70-102.80 m high full circ flint 100mm in size	(3.25)		
102.50-104.00	87 87 87					103.53-103.55 m grey band 104.06 m 1 No nodular flint 40mm in size 104.10 m 1 No			
104.00-105.50	17 17 17					ZONE OF CORE LOSS. (Possible CHALK) high full circ flint 50mm in size 104.15 m 1 No high full circ flint 50mm in size 104.20-104.25 m drilling induced non intact	04.25 -102.75		
						Stratum continues to 105.50 m			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 21)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
				12/01/2011	1800	ZONE OF CORE LOSS. (Possible CHALK)			
				105.50	7.00		05.50 -104.00		
				13/01/2011	0800	Very weak medium to low density white CHALK with occasional grey staining and localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough and smooth, undulating and planar. (WHITE CHALK GRADE C2)	(0.40)		
				105.50	0.00		05.90 -104.40		
105.50-107.00	27 27 27					ZONE OR CORE LOSS. (Possible CHALK)			
						106.60-106.70 m drilling induced non intact			
107.00-108.50	0 0 0						(2.85)		
108.50-110.00	83 83 83					Very weak medium to low density white CHALK with occasional grey staining and localised orangish brown staining. Occasionally localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough, smooth, undulating and planar. (WHITE CHALK GRADE C2)	108.75 -107.25		
						108.75-108.87 m 1 No high full circ flint 120mm in size 108.75-111.70 m drilling induced non intact	(2.10)		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 110.85 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:21:55	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 22 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 22)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
110.00-111.50	57 57 57					Very weak medium to low density white CHALK with occasional grey staining and localised orangish brown staining. Occasionally localised black specking on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough, smooth, undulating and planar. (WHITE CHALK GRADE C2)					
						ZONE OF CORE LOSS. (Possible CHALK)	10.85 -109.35 (0.75)				
111.50-113.00	93 93 93					Extremely weak medium to low density white CHALK with rare black specking and localised grey mottling. Rare shells, shell fragments and fossils. Fractures are extremely closely spaced, smooth, planar. (WHITE CHALK GRADE C5)	111.60-116.80 m generally recovered as slightly sandy gravelly SILT 111.60-116.80 m drilling induced non intact 111.70-112.10 m solid core				
							112.53-112.77 m solid core				
							113.16-113.20 m solid core				
							113.42-114.02 m solid core				
113.00-114.50	73 73 73						114.10-114.50 m AZCL				(5.20)
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 116.80 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:21:56	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 23 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 23)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
114.50-116.00	100 100 100			13/01/2011 111.50	1800 17.40	Extremely weak medium to low density white CHALK with rare black specking and localised grey mottling. Rare shells, shell fragments and fossils. Fractures are extremely closely spaced, smooth, planar. (WHITE CHALK GRADE C5)			
				14/01/2011 111.50	0800 5.40		116.00-116.70 m solid core		
116.00-117.50	53 53 53					ZONE OF NO RECOVERY. (Possible CHALK)	16.80 -115.30		
		N/A					(0.90)		
117.50-119.00	87 87 87					Extremely weak medium to low density white CHALK. Unable to grade due to drilling disturbance. (CHALK)	17.70 -116.20		
		N/A					117.70-120.50 m drilling induced non intact	(2.80)	
119.00-120.50	100 100 100								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:21:56	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 24 of 25
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Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests					Strata			Depth, Level / (Thickness)	Legend	Backfill / Instruments	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 24)					
				14/01/2011	1800	Extremely weak medium to low density white CHALK. Unable to grade due to drilling disturbance. (CHALK)					
				120.50	17.30						
							EXPLORATORY HOLE ENDS AT 120.50 m		20.50 -119.00		SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	60 N/A N/A		0.00-1.20 m Hand excavated inspection pit.	25/11/2010	0800	Sand. (Foreman's description) (Possible MADE GROUND)			
3.00-6.00	100 N/A N/A						(6.00)		
						Stratum continues to 6.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
6.00-9.00	100 N/A N/A			25/11/2010 9.00		Sand. (Foreman's description) (Possible MADE GROUND)			
						Peat. (Foreman's description) (RECENT DEPOSITS)	6.00 -4.45		
				26/11/2010 9.00	0800	Sand. (Foreman's description) (CRAG DEPOSITS)	(3.00)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
9.00-12.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)			
12.00-15.00	100 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
15.00-18.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)			
18.00-21.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
21.00-24.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)			
						Stratum continues to 43.30 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
24.00-27.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)	(34.30)		
27.00-30.00	83 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 27.00 121.50 Water added to assist boring.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
30.00-33.00	100 N/A N/A			26/11/2010 33.00		Sand. (Foreman's description) (CRAG DEPOSITS)			
				27/11/2010 0800 33.00 0.95					
33.00-36.00	93 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
36.00-39.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)			
						Stratum continues to 43.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
39.00-42.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)			
42.00-45.00	100 N/A N/A			27/11/2010 45.00	12.90	Clay. (Foreman's description) (LONDON CLAY)	43.30 -41.75 (1.70)		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
				28/11/2010	0800	Hard grey clay. (Foreman's description) (LONDON CLAY)	45.00 -43.45		
45.00-48.00	50 N/A N/A			45.00					
48.00-51.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 57.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
51.00-54.00	83 N/A N/A					Hard grey clay. (Foreman's description) (LONDON CLAY)	(12.00)		
						Stratum continues to 57.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
54.00-57.00	100 N/A N/A			28/11/2010 57.00		Hard grey clay. (Foreman's description) (LONDON CLAY)			
				30/11/2010 57.00	0800	London Clay. (Foreman's description) (LONDON CLAY)	57.00 -55.45		
57.00-60.00	100 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 63.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 12)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
60.00-63.00	100 N/A N/A			30/11/2010 63.00		London Clay. (Foreman's description) (LONDON CLAY)	(6.00)		
63.00-66.00	67 N/A N/A			07/12/2010 63.00	0800	Sand. (Foreman's description) (LAMBETH GROUP - SAND)	63.00 -61.45		
Depth						Stratum continues to 70.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 13 of 25
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
66.00-69.00	100 N/A N/A					Sand. (Foreman's description) (LAMBETH GROUP - SAND)	(7.50)		
						Stratum continues to 70.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
69.00-72.00	100 N/A N/A					Sand. (Foreman's description) (LAMBETH GROUP - SAND)	70.50 -68.95		
						Stiff clay. (Foreman's description) (LAMBETH GROUP - CLAY)			
72.00-75.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 79.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 15)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
75.00-78.00	100 N/A N/A					Stiff clay. (Foreman's description) (LAMBETH GROUP - CLAY)	(9.20)		
				07/12/2010 78.00					
				31/01/2011 78.00	0800				
78.00-81.00	100 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?)	79.70 -78.15		
						Stratum continues to 121.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 16)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
81.00-82.50	100 N/A N/A			31/01/2011 81.00	11.70	Chalk. (Foreman's description) (WHITE CHALK GRADE ?)	81.00-82.50 m Foreman reports core slipped.		
82.50-84.00	100 N/A N/A			01/02/2011 81.00	0800 0.00				
Stratum continues to 121.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From 81.00 to 82.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 17)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
84.00-87.00	100 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?)			
87.00-90.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 121.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 90.00 91.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 18)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
90.00-91.50	37 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?)			
91.50-94.50	100 N/A N/A								
				01/02/2011 94.00	20.80				
				02/02/2011 94.00	0800 0.00				
						94.55-97.50 m Foreman reports soft chalk.			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 121.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 90.00 91.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 19)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
94.50-97.50	100 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?)			
97.50-100.50	0 N/A N/A								
						Stratum continues to 121.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 20 of 25
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 20)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
100.50-103.50	100 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?) 100.50-103.50 m Foreman reports soft chalk with large flint.	(41.80)		
						Stratum continues to 121.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 103.50 106.50 No sonic used during coring.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:31:26	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 21 of 25
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 21)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
103.50-106.50	100 N/A N/A			02/02/2011 106.50	13.00	Chalk. (Foreman's description) (WHITE CHALK GRADE ?)			
				03/02/2011 106.50	0800 0.00				
106.50-109.50	0 N/A N/A								
Stratum continues to 121.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 22 of 25
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 22)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
109.50-112.50	100 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?)			
112.50-115.50	100 N/A N/A					112.55-118.50 m Foreman reports soft chalk.			
						Stratum continues to 121.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 112.50 115.50 No sonic used during coring.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 23 of 25
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 23)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
115.50-118.50	100 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?)			
						Stratum continues to 121.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 24 of 25
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 24)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
118.50-121.50	100 N/A N/A			03/02/2011 121.50	16.00	Chalk. (Foreman's description) (WHITE CHALK GRADE ?)			
EXPLORATORY HOLE ENDS AT 121.50 m							21.50	-119.95	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.00 0.00	EW 1 EW 2	0.00-1.20 m Hand excavated inspection pit.	20/07/2010	0800	SAND. (Foreman's description) (Possible MADE GROUND/RECENT DEPOSITS)				
Stratum continues to 11.00 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 48.00 483mm drag bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ Thickness	Legend	Backfill/ Instruments		
					SAND. (Foreman's description) (Possible MADE GROUND/RECENT DEPOSITS)	(11.00)				
					Stratum continues to 11.00 m					

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
					SAND. (Foreman's description) (Possible MADE GROUND/RECENT DEPOSITS)					
					Peaty CLAY. (Foreman's description) (RECENT DEPOSITS)	11.00				
			20/07/2010	12.00	dry	(1.00)				
			22/07/2010	0800	SAND and shells. (Foreman's description) (CRAG DEPOSITS)	12.00				
					Stratum continues to 42.00 m					

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT		Start 19/07/2010 End 26/07/2010		Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.				Depth from 0.00m to 48.00m Diameter 483mm Casing Depth		Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage		
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)					Depth, Level/Thickness	Legend	Backfill/Instruments
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)							
					Stratum continues to 42.00 m							
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited				Borehole DBH 2009_20 Sheet 4 of 10				

Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)					
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)					
					Stratum continues to 42.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ Thickness	Legend	Backfill/ Instruments			
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)	(30.00)					
					Stratum continues to 42.00 m						

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)										

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole DBH 2009_20
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:32:35	Project No. A0012-10	Sheet 6 of 10
	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT		Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.			Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage					
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description <small>(Continued from Sheet 6)</small>	Depth, Level / Thickness	Legend	Backfill/ Instruments				
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)							
					Stratum continues to 42.00 m							
Groundwater Entries			Depth sealed			Depth Related Remarks *			Chiselling			
No. Struck		Post strike behaviour		Depth sealed (m)		From to (m)			Depths (m)		Time	Tools used
None observed (see Key Sheet)												
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 18/02/2011 16:32:37					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited			Borehole DBH 2009_20 Sheet 7 of 10				

Borehole Log



Soil Mechanics

Drilled Logged Checked		MC	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.		Depth from 0.00m	to 48.00m	Diameter 483mm	Casing Depth	Ground Level +1.59 mOD	Coordinates E 647329.98 N 264094.78
Samples and Tests									Strata		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)		Depth, Level/ Thickness	Legend	Backfill/ Instruments		
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)						
					Stratum continues to 42.00 m						
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling				
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used		
None observed (see Key Sheet)											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE				Borehole		
Scale 1:25					Project No. A0012-10				DBH 2009_20		
(c) Soil Mechanics www.soil-mechanics.com					Carried out for NNB Generation Company Limited				Sheet 8 of 10		



Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)					
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)					
					Traces of London CLAY. (Foreman's description) (Possible LONDON CLAY)			42.00		
								(3.00)		
Depth	Type & No	Records	Date Casing	Time Water						

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)										

Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
					London CLAY. (Foreman's description)	45.00					
			22/07/2010			(3.00)					
					EXPLORATORY HOLE ENDS AT 48.00 m	48.00					
Depth	Type & No	Records	Date Casing	Time Water							

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
		0.00-50.40 m Rotary open hole drilling.			Beige reddish clayey SAND with shell fragments. (MADE GROUND)	(2.60)				
					Black peaty SAND. (Possibly RECENT DEPOSITS)	2.60 -1.03 (0.40)				
					Grey SAND. (Possibly RECENT DEPOSITS)	3.00 -1.43				
		Flush: 0.00-8.40 water/mud, 100 %								
					Stratum continues to 7.50 m					

Groundwater Entries No. Struck Post strike behaviour (m) (see Key Sheet) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					Grey SAND. (Possibly RECENT DEPOSITS)	(4.50)		
					Dark grey to black clayey PEAT. (RECENT DEPOSITS)	7.50 -5.93		
						(3.10)		
					Stratum continues to 10.60 m			

Flush: 8.40-11.40
water/mud, 70 %

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)					
					Dark grey to black clayey PEAT. (RECENT DEPOSITS)					
					Grey green SAND with some shell fragments. (Possibly CRAG DEPOSITS)			10.60 -9.03		
		Flush: 11.40-14.40 water/mud, 60 %						(5.90)		
					Stratum continues to 16.50 m					

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata			Ground Level			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
		Flush: 14.40-17.40 water/mud, 50 %			Grey green SAND with some shell fragments. (Possibly CRAG DEPOSITS)						
		Flush: 17.40-20.40 water/mud, 40 %			Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)	16.50 -14.93					
					Stratum continues to 45.70 m						

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)										

Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)				
			10/12/2010	6.00	0.00	Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)			
			11/12/2010	6.00	0800 1.20				
						Stratum continues to 45.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ Thickness	Legend	Backfill/ Instruments			
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)						
					Stratum continues to 45.70 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:25

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Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**

Project No. **A0012-10**

Carried out for **NNB Generation Company Limited**

Borehole
MPM 2009_4A
 Sheet 6 of 11

Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)	(29.20)		
		Flush: 20.40-44.40 water/mud, 90 %	11/12/2010	6.00 1.20				
			12/12/2010	0800 6.00 1.20				
					Stratum continues to 45.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 10:59:14	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole MPM 2009_4A Sheet 7 of 11
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Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)						
					Stratum continues to 45.70 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)			
					Stratum continues to 45.70 m			
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole MPM 2009_4A Sheet 9 of 11				



Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)			
					Grey-brown to grey CLAY. (LONDON CLAY A3ii)	45.70 -44.13		
		Flush: 44.40-50.40 water/mud, 80 %				(4.70)		
					Stratum continues to 50.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 10)					
			12/12/2010		Grey-brown to grey CLAY. (LONDON CLAY A3ii)					
			6.00	1.20	EXPLORATORY HOLE ENDS AT 50.40 m			50.40	-48.83	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:25

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Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Borehole
MPM 2009_4A
Sheet 11 of 11

Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	50 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	100 N/A N/A					SAND/CLAY. (Foreman's description) (Possible MADE GROUND)	3.00 -1.24 (3.00)		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 6.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
						SAND/CLAY. (Foreman's description) (Possible MADE GROUND)			
6.00-9.00	100 N/A N/A					CLAY/PEAT. (Foreman's description) (Possible RECENT DEPOSITS)	6.00 -4.24 (3.00)		
						PEAT/CLAY. (Foreman's description) (RECENT DEPOSITS)	9.00 -7.24		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 12.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
9.00-12.00	100 N/A N/A					PEAT/CLAY. (Foreman's description) (RECENT DEPOSITS)	(3.00)		
12.00-15.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)	12.00 -10.24		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.00-18.00	100 N/A N/A			05/01/2011 18.00	dry	SAND. (Foreman's description) (CRAG DEPOSITS)			
				06/01/2011 18.00	0800 dry				
18.00-21.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
21.00-24.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)			
						Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
24.00-27.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)			
27.00-30.00	100 N/A N/A						(32.00)		
						Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-33.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)			
33.00-36.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:33:45	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole MPM 2009_7A Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
36.00-39.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)			
						Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
39.00-42.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)			
						SAND/CLAY. (Foreman's description) (LONDON CLAY A3ii)	44.00 -42.24		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 48.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
42.00-48.00	50 N/A N/A			06/01/2011 45.00	dry	SAND/CLAY. (Foreman's description) (LONDON CLAY A3ii)	(4.00)		
EXPLORATORY HOLE ENDS AT 48.00 m							48.00	-46.24	SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 81.90m 146mm 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
		0.00-1.20 m Hand excavated inspection pit.*			Yellow brown sand fill. (Foreman's description) (MADE GROUND)	(1.20)					
					Backfill. (Foreman's description) (MADE GROUND)	1.20 +0.82					
						(4.00)					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 5.20 m						

Groundwater Entries No. Struck Post strike behaviour 1 1.10 -			Depth sealed (m) -	Depth Related Remarks * From to (m) 0.00 10.00 Rotary open hole drilling no testing undertaken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT		Start 01/10/2010 End 30/10/2010		Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m 14.50m		to 14.50m 81.90m		Diameter 194mm 146mm		Casing Depth 14.50m 80.50m		Ground Level Coordinates National Grid Chainage		+2.02 mOD E 647241.75 N 263985.76	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level/ Thickness	Legend	Backfill/ Instruments					
					Backfill. (Foreman's description) (MADE GROUND)					5.20	-3.18						
					Sand fill. (Foreman's description) (MADE GROUND)					(0.80)							
			01/10/2010	0.00													
			02/10/2010	0800						6.00	-3.98						
			0.00	0.00	Sands. (Foreman's description) (Possible RECENT DEPOSITS)					(2.70)							
										8.70	-6.68						
					Peat and clay. (Foreman's description) (RECENT DEPOSITS)					(1.30)							
Depth	Type & No	Records	Date Casing	Time Water													
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *					Chiselling							
No.	Struck (m)	Post strike behaviour			From to (m)					Depths (m)	Time	Tools used					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole							
Scale 1:25			Project No.		A0012-10					SBP 2009_1							
(c) Soil Mechanics www.soil-mechanics.com			Carried out for		NNB Generation Company Limited					Sheet 2 of 17							
408.24 04/08/2011 14:36:09			AGS														

Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT		Start 01/10/2010 End 30/10/2010		Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m 14.50m		to 14.50m 81.90m		Diameter 194mm 146mm		Casing Depth 14.50m 80.50m		Ground Level Coordinates National Grid Chainage		+2.02 mOD E 647241.75 N 263985.76	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)		Depth, Level (Thickness)		Legend	Backfill/ Instruments							
					SAND and gravel. (Foreman's description) (Possible RECENT DEPOSITS)		10.00-11.50 m B1T1										
			02/10/2010 10.00	0.00													
			03/10/2010 10.00	0800 0.00													
			03/10/2010 13.00	0.00													
			04/10/2010 13.00	0800 0.00													
			04/10/2010 14.00	0.00													
			05/10/2010 14.00	0800 0.00	SAND slightly gravelly. (Foreman's description) (Possible CRAG DEPOSITS)		14.50-15.60 m B1T2				14.50 -12.48						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 16.00 m												
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *				Chiselling								
No.	Struck (m)	Post strike behaviour			From to (m)				Depths (m)	Time	Tools used						
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE				Borehole								
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:36:09			Project No.		A0012-10				SBP 2009_1								
AGS			Carried out for		NNB Generation Company Limited									Sheet 3 of 17			

Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					SAND. (Foreman's description) (CRAG DEPOSITS)	(10.50)		
			11/10/2010					
			22.50	0.00				
			14/10/2010	0800		22.50-23.50 m		
			22.50	0.00		B1T4		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 26.50 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level Coordinates National Grid Chainage	+2.02 mOD E 647241.75 N 263985.76
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)				
			14/10/2010 26.50	0.00	SAND. (Foreman's description) (CRAG DEPOSITS)				
			15/10/2010 26.50	0800 0.00	SAND with shells. (Foreman's description) (CRAG DEPOSITS)	26.50-27.50 m B1T5	26.50 -24.48		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.00 m				

Groundwater Entries No. Struck (m)	Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			15/10/2010		SAND with shells. (Foreman's description) (CRAG DEPOSITS)			
			30.50	0.00				
			16/10/2010	0800		30.50-31.50 m		
			30.50	0.00		B1T6		
			16/10/2010					
			34.50	0.00				
			18/10/2010	0800		34.50-35.60 m		
			34.50	0.00		B1T7		
		Flush: 13.00-56.50 mud, 100 %						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.00 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					SAND with shells. (Foreman's description) (CRAG DEPOSITS)	(18.50)		
						38.50-39.60 m B1T8		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.00 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Scale 1:25

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408.24 04/08/2011 14:36:12



Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					SAND with shells. (Foreman's description) (CRAG DEPOSITS)			
			18/10/2010					
			42.50	0.00				
			19/10/2010	0800		42.50-43.65 m B1T9		
			42.50	0.00				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			19/10/2010		CLAY. (Foreman's description) (LONDON CLAY)			
			50.50	0.00				
			20/10/2010	0800				
			50.50	0.00				
			20/10/2010					
			51.50	0.00				
			21/10/2010	0800		51.50-52.50 m		
			51.50	0.00		BT11		
						(9.00)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 58.00 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					CLAY. (Foreman's description) (LONDON CLAY)			
						56.50-57.50 m BIT12		
					CLAY with sand and gravel. (Foreman's description) (LAMBETH GROUP - CLAY)	58.00 -55.98	(1.50)	
			21/10/2010 51.50	0.00				
			25/10/2010 51.50	0800 0.00	SAND with large gravel and claystones. (Foreman's description) (LAMBETH GROUP-SAND)	59.50 -57.48		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 65.50 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level Coordinates National Grid Chainage	+2.02 mOD E 647241.75 N 263985.76
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 12)					
		Flush: 59.50-64.00 water, 90 %			SAND with large gravel and claystones. (Foreman's description) (LAMBETH GROUP-SAND)			(6.00)		
			25/10/2010	64.00	0.00					
			26/10/2010	64.00	0800		64.20-65.30 m BIT13			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 65.50 m					

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used



Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage					
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
		Flush: 64.00-67.00 water, 95 %			SAND with large gravel and claystones. (Foreman's description) (LAMBETH GROUP-SAND)				
			26/10/2010			65.50			
			67.00	0.00		-63.48			
			27/10/2010	0800	CLAY. (Foreman's description) (LAMBETH GROUP-CLAY)				
			67.00	0.00					
						68.00-68.90 m B1T14			
			27/10/2010						
			70.00	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 80.90 m				
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_1 Sheet 14 of 17					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:38:16									

Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			28/10/2010	0800	CLAY. (Foreman's description) (LAMBETH GROUP-CLAY)			
			70.00	0.00				
			28/10/2010					
			72.00	0.00				
			29/10/2010	0800		72.00-73.00 m		
			72.00	0.00		B1T15		
						(15.40)		
		Flush: 67.00-80.50 water, 90 %						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 80.90 m			

Groundwater Entries No. Struck (m)	Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level Coordinates National Grid Chainage	+2.02 mOD E 647241.75 N 263985.76
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 16)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					CLAY. (Foreman's description) (LAMBETH GROUP-CLAY)			
					GRAVEL beds. (Foreman's description) (possible LAMBETH GROUP - BULLHEAD BEDS)	80.90 -78.88 81.10 -79.08		
					CHALK. (Foreman's description) (UPPER CHALK)	(0.80)		
			30/10/2010					
			81.90	0.00				
					EXPLORATORY HOLE ENDS AT 81.90 m	81.90 -79.88		

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour	From to (m)	Depths (m) Time Tools used
Depth sealed (m)		



Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			Ground Level			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
		0.00-1.20 m Hand excavated inspection pit. *	29/09/2010	0800	0.00m - 92.80m ROTARY OPEN HOLE DRILLING. No samples recovered. STRATA DESCRIPTIONS AND BOUNDARIES TAKEN FROM DBH2009_1.	(1.20)					
		*			SAND. (MADE GROUND)	1.20 +0.34					
						(4.15)					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 5.35 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 125.80 Sonic rotary open hole drilling 178mm used to install liner. 1.20 12.70 Rotary open hole drilling no testing undertaken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
					SAND. (MADE GROUND)				
					PEAT. (RECENT DEPOSITS)	5.35 -3.81			
					Organic CLAY. (RECENT DEPOSITS)	5.60 -4.06			
						(0.40)			
					PEAT. (RECENT DEPOSITS)	6.00 -4.46			
						(1.85)			
					Silty SAND. (Possible RECENT DEPOSITS)	7.85 -6.31			
						(4.15)			
			29/09/2010	1800					
			9.15						
			30/09/2010	0800					
			9.15						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 12.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm Casing Depth 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
					Silty SAND. (Possible RECENT DEPOSITS)				
			30/09/2010	1800					
			9.15						
			01/10/2010	0800					
			9.15						
					Silty gravelly SAND. (Possible RECENT DEPOSITS)	12.00 -10.46			
						(0.40)			
			01/10/2010	1800					
			12.75		Silty SAND. (CRAG DEPOSITS)	12.40 -10.86			
			02/10/2010	0800					
			12.75						
						12.75-13.80 m		B2T1	
			02/10/2010	1800					
			13.80						
			03/10/2010	0800					
			13.80						
			03/10/2010	1800					
			14.75						
			04/10/2010	0800					
			14.75			14.75-16.00 m		B2T2	
					Stratum continues to 28.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
					Silty SAND. (CRAG DEPOSITS)				
			04/10/2010	1800					
			18.75						
			05/10/2010	0800		18.75-19.80 m B2T3			
			18.75						
						19.80-20.80 m B2T4			
					Stratum continues to 28.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
			05/10/2010	1800	Silty SAND. (CRAG DEPOSITS)	(16.10)			
			20.80						
			12/10/2010	0800					
			20.80						
			12/10/2010	1800					
			23.40						
			13/10/2010	0800		23.40-24.60 m			
			23.40			B2T5			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 28.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_2 Sheet 5 of 26
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Scale 1:25

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408.24 04/08/2011 14:36:29



Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)					
					Silty SAND. (CRAG DEPOSITS)					
					Gravelly silty SAND. (CRAG DEPOSITS)			28.50 -26.96		
					29.30-30.30 m B2T6					
Depth					Stratum continues to 31.70 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:36:29	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_2 Sheet 6 of 26
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			Groundwater		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
					Gravelly silty SAND. (CRAG DEPOSITS)	(3.20)				
					Silty SAND. (CRAG DEPOSITS)	31.70 -30.16				
			14/10/2010	1800						
			33.80							
			16/10/2010	0800						
			33.80							
						33.80-35.00 m				
						(4.30)				
					Stratum continues to 36.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE	Logged PM	Checked MT	Start 29/09/2010		End 27/01/2011		Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)				Depth from 0.00m 9.15m		to 9.15m 125.80m		Diameter 200mm 146mm	Casing Depth 9.15m 124.50m	Ground Level Coordinates National Grid Chainage		+1.54 mOD E 647210.22 N 264198.79																						
Samples and Tests						Strata																																			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)						Depth, Level (Thickness)		Legend	Backfill/ Instruments																											
					Silty SAND. (CRAG DEPOSITS)																																				
					SAND. (CRAG DEPOSITS)						36.00	-34.46																													
										(0.55)																															
					Silty SAND. (CRAG DEPOSITS)						36.55	-35.01																													
			16/10/2010	1800																																					
			37.80																																						
			19/10/2010	0800																																					
			37.80																																						
											37.80-39.00 m																														
											B2T8																														
											(6.78)																														
Depth		Type & No		Records		Date Casing		Time Water		Stratum continues to 43.33 m																															
Groundwater Entries						Depth sealed (m)			Depth Related Remarks *						Chiselling Depths (m)			Time			Tools used																				
No. Struck (m)						Post strike behaviour			None observed (see Key Sheet)																																
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.												Project						ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE						Borehole																	
Scale 1:25												(c) Soil Mechanics www.soil-mechanics.com						AGS						Project No.						A0012-10						Sheet 8 of 26					
												Carried out for						NNB Generation Company Limited												SBP 2009_2											

Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata		Ground Level	
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					Silty SAND. (CRAG DEPOSITS)			
			19/10/2010	1800				
			42.30					
			25/10/2010	0800		42.30-43.50 m B2T9		
			42.30					
					Sandy CLAY. (LONDON CLAY)	43.33 -41.79		
					Stratum continues to 54.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:36:31	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_2 Sheet 9 of 26
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
					Sandy CLAY. (LONDON CLAY)					
			25/10/2010	1800		46.50-47.00 m				
			47.30			foreman reports hard siltstone horizon				
			26/10/2010	0800		47.30-48.50 m				
			47.30			BZT10				
						(10.67)				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 54.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			26/10/2010	1800	Sandy CLAY. (LONDON CLAY)			
			50.30					
			27/10/2010	0800				
			50.30					
						51.80-53.00 m B2T11		
						54.00 -52.46		
			27/10/2010	1800	CLAY. (LONDON CLAY)			
			54.80					
			28/10/2010	0800		(1.50)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 55.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT		Start 29/09/2010 End 27/01/2011		Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)		Depth from 0.00m 9.15m		to 9.15m 125.80m		Diameter 200mm 146mm		Casing Depth 9.15m 124.50m		Ground Level Coordinates National Grid Chainage		+1.54 mOD E 647210.22 N 264198.79	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 11)					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
			54.80		CLAY. (LONDON CLAY)												
					Sandy CLAY. (LONDON CLAY)					55.50 -53.96 (0.95)							
					Sandy SILT. (LAMBETH GROUP - CLAY)					56.45 -54.91							
					Sandy CLAY. (LAMBETH GROUP - CLAY)					56.68 -55.14 (0.32)							
					Sandy silty CLAY. (LAMBETH GROUP - CLAY)					57.00 -55.46 (1.25)							
					Sandy SILT. (LAMBETH GROUP - CLAY)					58.25 -56.71 (3.42)							
			28/10/2010	1800													
			59.30														
			29/10/2010	0800													
			59.30														
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 61.67 m												
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *					Chiselling		Time		Tools used			
No.	Struck (m)	Post strike behaviour			From to (m)					Depths (m)							
None observed (see Key Sheet)																	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole							
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:36:32			Project No.		SITE A0012-10					SBP 2009_2							
AGS			Carried out for		NNB Generation Company Limited									Sheet 12 of 26			

Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 12)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					Sandy SILT. (LAMBETH GROUP - CLAY)			
			29/10/2010	1800				
			60.80					
			01/11/2010	0800				
			60.80					
					Silty CLAY. (LAMBETH GROUP - CLAY)	61.67 -60.13		
					61.80-62.50 m BZT12	(0.83)		
					Sandy CLAY. (LAMBETH GROUP - CLAY)	62.50 -60.96		
						(0.50)		
					Gravelly silty SAND. (LAMBETH GROUP - SAND)	63.00 -61.46		
					63.80-65.00 m BZT13	(1.97)		
					Stratum continues to 69.50 m	64.97 -63.43		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 13)				
					Silty SAND. (LAMBETH GROUP - SAND)				
			01/11/2010	1800					
			68.30						
			02/11/2010	0800					
			68.30						
					69.30-70.50 m BZT14				
					CLAY. (LAMBETH GROUP - CLAY)		69.50	-67.96	
					Stratum continues to 71.38 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
					CLAY. (LAMBETH GROUP - CLAY)	(1.88)			
			02/11/2010	1800					
			71.50						
			05/11/2010	0800	Silty CLAY (LAMBETH GROUP - CLAY)	71.38 -69.84	x		
			71.50						
			05/11/2010	1800					
			73.30						
			08/11/2010	0800		73.30-75.00 m BZT15			
			73.30						
			08/11/2010	1800					
			74.80						
			09/11/2010	0800					
					Stratum continues to 80.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata		Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 15)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
			74.80		Silty CLAY (LAMBETH GROUP - CLAY)	(8.62)			
			09/11/2010	1800					
			78.30						
			10/11/2010	0800		78.30-79.50 m BZT16			
			78.30						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT		Start 29/09/2010 End 27/01/2011		Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)		Depth from 0.00m 9.15m		to 9.15m 125.80m		Diameter 200mm 146mm		Casing Depth 9.15m 124.50m		Ground Level Coordinates National Grid Chainage		+1.54 mOD E 647210.22 N 264198.79	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 16)		Depth, Level (Thickness)		Legend		Backfill/ Instruments						
					CLAY with flints. (LAMBETH GROUP - BULLHEAD BEDS)		80.00 -78.46										
			10/11/2010	1800			(0.75)										
			80.80														
			15/11/2010	0800	Structureless CHALK.		80.75 -79.21										
			80.80				(0.87)										
			15/11/2010	1800	CHALK. (Possible CHALK GRADE C4)		81.62 -80.08										
			82.30				(2.08)										
			16/11/2010	0800													
			82.30														
					ZONE OF CORE LOSS. (Possible CHALK)		83.70 -82.16										
							(1.40)										
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 85.10 m												
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		Time		Tools used						
No. Struck Post strike behaviour (m)					From to (m)		Depths (m)										
None observed (see Key Sheet)					80.80 125.80 Geobor S clam bit used.												
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole SBP 2009_2 Sheet 17 of 26							
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:36:35					AGS												

Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 17)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
					ZONE OF CORE LOSS. (Possible CHALK)	85.10 -83.56			
					CHALK. (Possible WHITE CHALK GRADE C3)	(3.90)			
					ZONE OF CORE LOSS. (Possible CHALK)	89.00 -87.46			
			16/11/2010	1800		(0.85)			
			89.80						
			17/11/2010	0800		89.85 -88.31			
					Stratum continues to 91.20 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 19)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
94.30-95.80	85 67 49					Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A3)				
95.80-97.30	92 87 57									
			If NI/90/120							
						ZONE OF CORE LOSS. Probably weak low density white CHALK (WHITE CHALK GRADE A2)	97.12-97.18 m drilling induced non-reflect 97.18-97.30 m AZCL	97.18	-95.64	
97.30-101.80	0 0 0	NI						(4.62)		
Stratum continues to 101.80 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_2 Sheet 20 of 26
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Scale 1:25

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408.24 04/08/2011 14:36:37



Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 20)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
						ZONE OF CORE LOSS. Probably weak low density white CHALK (WHITE CHALK GRADE A2)			
101.80-103.30	100 66 22					Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)	101.80 -100.26		
						101.80-101.96 m 1 No subvertical rough clean fracture			
						102.02-102.72 m 1 No subvertical undulose fracture infilled up to 10mm with putty chalk			
102.96-103.30			CS 2			102.62-102.86 m occasional partially rinded flints up to 50mm in size			
						102.95-102.97 m fracture infilled with putty chalk			
						103.30-103.47 m AZCL			
103.30-104.80	89 84 53								
						104.80-104.89 m AZCL			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 125.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_2 Sheet 21 of 26
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm Casing Depth 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 21)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
105.40-105.73			CS 3			Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)	105.02-105.03 m fractures infilled with putty chalk			
104.80-106.30	94 83 64									
		90 240 360								
106.30-107.80	100 93 91									
							107.70-107.80 m drilling induced non-intact			
							107.80-108.10 m AZCL			
							108.18-109.19 m over cored			
107.80-109.30	80 75 59		CS 4							
108.61-109.09										
Stratum continues to 125.80 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 22)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
109.30-110.80	100 79 55					Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)				
						110.31-110.80 m 1 No subvertical rough undulose fracture infilled up to 10mm with putty chalk				
						110.57-110.80 m NI				
		NI NI 40				110.85-111.40 m drilling induced non-intact				
111.20-111.55			CS 5							
110.80-112.30	100 82 66					111.65-111.71 m chalk with partially rounded flint up to 10mm in size				
				17/11/2010	1800					
				112.30						
				18/11/2010	0800					
				112.30		112.24-122.36 m recovered as putty chalk with flints up to 10mm in size				
						112.30-112.46 m drilling induced non-intact				
						112.57-112.59 m fractures infilled with putty chalk				
112.30-115.30	50 46 40					113.70-113.80 m drilling induced non-intact	(24.00)			
114.12-114.44			CS 6							
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 125.80 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm Casing Depth 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 23)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
115.30-116.80	87 85 82					Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)	115.15-115.22 m drilling induced non-intact			
		50								
		180								
		360								
117.20-117.53			CS 7				116.58-116.61 m drilling induced non-intact			
							116.61-116.80 m AZCL			
							116.80-116.91 m AZCL			
116.80-118.30	93 88 83						117.54 m 1 No unrinded flint			
							117.72-117.78 m partially rinded flint up to 20mm in size			
							117.86-117.89 m unrinded flint up to 30mm in size			
118.30-119.80	99 95 95						118.24-118.30 m 2 No intersecting 30 degree rough clean fractures			
							118.30-118.32 m AZCL			
							118.32-118.41 m drilling induced non-intact			
							118.41-119.76 m 1 No subvertical rough undulose clean fracture			
							119.80-120.18 m AZCL			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 125.80 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:36:40	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_2 Sheet 24 of 26
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 24)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
119.80-121.30	75		CS 8			Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)			
120.63-121.23	75 69								
121.30-122.80	100 70 7	NI NI 10				121.30-122.13 m 1 No subvertical rough undulose clean fracture 121.48-121.54 m drilling induced non-intact			
						122.30-122.85 m drilling induced non-intact 122.41-122.80 m 1 No 70 degree rough planar clean fracture 122.67-122.80 m drilling induced non-intact			
122.80-124.30	100 92 83		CS 9			123.08-123.09 m fractures infilled with putty chalk and partially rinded flint up to 10mm in size			
123.79-124.22									
		40 22 53				124.30-124.40 m AZCL			
						124.86-124.91 m partially rinded flint up to 40mm in			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 125.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_2 Sheet 25 of 26
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Borehole Log



Soil Mechanics

Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 25)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
124.30-125.80	93		CS 10	18/11/2010	1800	Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)	25.80	-	-124.26		
125.16-125.71	81									125.70-125.80 m drilling induced non-intact	
						EXPLORATORY HOLE ENDS AT 125.80 m					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT		Start 08/07/2010 End 10/08/2010		Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m to 10.35m 10.35m to 29.50m 29.50m to 84.70m		Diameter 200mm 194mm 146mm		Casing Depth 10.35m 29.50m 76.50m		Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage	
Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
0.20-0.50 0.20-0.50	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly SAND with frequent rootlets. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.10 +1.99							
0.50-1.20 0.50-1.20	D 3 B 4				Yellowish brown slightly gravelly SAND. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	(1.10)			0.50 m becoming slightly silty and less gravelly				
					Light brown sand and gravel. (Foreman's description) (Possible RECENT DEPOSITS)	1.20 +0.89							
					Dark grey sand, peat. (Foreman's description) (RECENT DEPOSITS)	4.65 -2.56							
					Stratum continues to 9.15 m	(3.45)							
Groundwater Entries		No. Struck Post strike behaviour (m)		Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used						
None observed (see Key Sheet)					0.00 10.00 Rotary open hole drilling no testing undertaken.								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole SBP 2009_3			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 11:39:04					Project No. A0012-10					Sheet 1 of 17			
					Carried out for NNB Generation Company Limited								

Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			Ground Level			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
					Dark grey sand, peat. (Foreman's description) (RECENT DEPOSITS)	(4.50)					
					Dark grey clay, peat. (Foreman's description) (RECENT DEPOSITS)	9.15 -7.06					
					Stratum continues to 12.50 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
			08/07/2010 10.35	0.20	Dark grey clay, peat. (Foreman's description) (RECENT DEPOSITS)		(3.35)		
			13/07/2010 10.35	0800 0.60		10.50-11.50 m B3T1			
			13/07/2010 12.50	0.30					
			14/07/2010 12.50	0800 1.70	Grey sand, coarse gravel. (Foreman's description) (CRAG DEPOSITS)	12.50-13.50 m B3T2	12.50	-10.41	
			14/07/2010 14.60	1.40					
			19/07/2010 14.60	0800	SAND. (Foreman's description) (CRAG DEPOSITS)	14.60-15.60 m B3T3	14.60	-12.51	
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled		NE/NT	Start	Equipment, Methods and Remarks			Depth from	to	Diameter	Casing Depth	Ground Level	Coordinates	
Logged		ST	08/07/2010	Beretta T51 and Triplex Pump.			0.00m	10.35m	200mm	10.35m	+2.09 mOD	E 647474.29	
Checked		MT	End	Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).			10.35m	29.50m	194mm	29.50m	National Grid	N 264067.06	
			10/08/2010				29.50m	84.70m	146mm	76.50m	Chainage		
Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments					
					(Continued from Sheet 3)								
					SAND. (Foreman's description) (CRAG DEPOSITS)								
						16.50-17.00 m B3T4					(5.90)		
			19/07/2010										
			18.50										
			20/07/2010	0800									
			18.50										
						18.50-19.50 m B3T5							
					Stratum continues to 20.50 m								
Groundwater Entries			Depth sealed		Depth Related Remarks *		Chiselling						
No.	Struck	Post strike behaviour	(m)		From	to (m)	Depths (m)	Time	Tools used				
None observed (see Key Sheet)													
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE				Borehole			
Scale 1:25				Project No.		A0012-10				SBP 2009_3			
(c) Soil Mechanics www.soil-mechanics.com				Carried out for		NNB Generation Company Limited				Sheet 4 of 17			

Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			Ground Level			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
					SAND. (Foreman's description) (CRAG DEPOSITS)						
					Clay and sand. (Foreman's description) (CRAG DEPOSITS)	20.50 -18.41 (2.50)					
			20/07/2010 22.50			20.50-21.50 m B3T6					
			21/07/2010 22.50	0800		22.50-23.50 m B3T7					
			21/07/2010 24.50		Sand with shells. (Foreman's description) (CRAG DEPOSITS)	23.00 -20.91					
			22/07/2010 24.50	0800 0.70		24.50-25.50 m B3T8					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.00 m						

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 10.35m 29.50m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
			22/07/2010 26.50		Sand with shells. (Foreman's description) (CRAG DEPOSITS)				
			28/07/2010 0800 26.50	26.50-27.50 m B3T9					
				29.50-30.50 m B3T10					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.00 m				

Groundwater Entries	Chiselling		
No. Struck (m) Post strike behaviour	Depths (m) Time Tools used	Depth Related Remarks * From to (m)	
None observed (see Key Sheet)			

Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			Ground Level				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
					Sand with shells. (Foreman's description) (CRAG DEPOSITS)							
			28/07/2010									
			29/07/2010	0800		31.50-32.50 m B3T11						
			29/07/2010			33.50						
			03/08/2010	0800	33.50							
						(22.00)						
						34.50-35.55 m B3T12						
					Stratum continues to 45.00 m							

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			Ground Level				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
					Sand with shells. (Foreman's description) (CRAG DEPOSITS)							
						36.50-37.50 m B3T13						
						37.50-38.50 m B3T14						
						39.50-40.50 m B3T15						
					Stratum continues to 45.00 m							
		Flush: 1.20-75.00 mud/water, 99 %										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			Ground Level				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
					Sand with shells. (Foreman's description) (CRAG DEPOSITS)							
			03/08/2010 41.50									
			04/08/2010 41.50	0800		41.50-42.50 m B3T16						
			04/08/2010 43.50			43.50-44.50 m B3T17						
			05/08/2010 43.50	0800								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 10.35m 29.50m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)				
			05/08/2010		CLAY very stiff grey. (Foreman's description) (LONDON CLAY)	45.00 -42.91			
			45.50						
			07/08/2010	0800		45.50-46.50 m B3T18			
			45.50						
			07/08/2010			46.50-47.50 m B3T19			
			46.50						
			08/08/2010	0800					
			46.50						
			08/08/2010						
			47.50						
			09/08/2010	0800					
			47.50						
			09/08/2010						
			49.50						
			10/08/2010	0800					
			49.50						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 59.00 m				

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m) None observed (see Key Sheet)	From to (m)	Depths (m) Time Tools used

Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m Diameter 200mm Casing Depth 10.35m 29.50m 84.70m 194mm 146mm 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/Thickness	Legend	Backfill/Instruments
			10/08/2010		CLAY very stiff grey. (Foreman's description) (LONDON CLAY)	50.60		
			11/08/2010	0800		50.50-51.50 m B3T21		
						51.50-52.50 m B3T22	(14.00)	
			11/08/2010			52.50-53.50 m B3T23		
			18/08/2010	0800		53.50-54.50 m B3T24		
			18/08/2010		54.50-55.20 m B3T25			
			21/08/2010	0800				
					Stratum continues to 59.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m Diameter 200mm Casing Depth 10.35m 29.50m 84.70m 194mm 29.50m 146mm 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			21/08/2010		CLAY very stiff grey. (Foreman's description) (LONDON CLAY)	55.20-56.20 m B3T26		
			55.60					
			23/08/2010	0800				
			55.60					
			23/08/2010					
			57.00					
			25/08/2010	0800		57.00-58.00 m B3T27		
			57.00					
			25/08/2010			58.00-59.00 m B3T28		
			59.00					
			26/08/2010	0800	Light brown sandy CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)	59.00-60.50 m B3T29	59.00	-56.91
			59.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 65.25 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 12)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
					Light brown sandy CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)						
						60.50-61.80 m B3T30					
			26/08/2010								
			63.00				(6.25)				
			31/08/2010	0800		63.00-64.20 m B3T31					
			63.00								
						64.20-65.20 m B3T32					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 65.25 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 13)				
			31/08/2010		Light brown sandy CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)				
			65.25						
			02/09/2010	0800	SAND. (Foreman's description) (LAMBETH GROUP - SAND)	65.25-66.35 m B3T33	65.25	-63.16	
			65.25						
						66.35-67.35 m B3T34			
							(3.75)		
						67.35-68.35 m B3T35			
						68.35-68.75 m B3T36			
					CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)	69.00-70.25 m B3T37	69.00	-66.91	
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 84.70 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			02/09/2010		CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)			
			70.50					
			07/09/2010	0800		70.50-71.65 m B3T38		
			70.50					
			07/09/2010			71.65-72.65 m B3T39		
			72.70					
			09/09/2010	0800		72.70-73.70 m B3T40		
			72.70	5.80				
			09/09/2010			73.70-74.70 m B3T41		
			75.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 84.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m Diameter 200mm Casing Depth 10.35m 29.50m 84.70m 194mm 29.50m 146mm 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 15)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			14/09/2010	0800	CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)			
			75.00	9.30				
		Flush: 75.00-76.50 mud/water, 0 %						
			14/09/2010	1800				
			76.50					
			15/09/2011	0800		76.50-77.50 m B3T42	(15.70)	
			76.50					
						77.50-78.50 m B3T43		
						78.50-79.50 m B3T44		
			15/09/2011	1800				
			76.50					
			16/09/2011	0800				
			76.50					
						79.50-80.50 m B3T45		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 84.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 16)					
					CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)					
							80.50-81.50 m B3T46			
							81.50-82.50 m B3T47			
			16/09/2011	1800						
			76.50							
			17/09/2011	0800						
			76.50							
							83.50-84.50 m B3T48			
			17/09/2011	1800						
			76.50							
					EXPLORATORY HOLE ENDS AT 84.70 m			84.70	-82.61	
Depth	Type & No	Records	Date Casing	Time Water						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT		Start 06/07/2010 End 22/09/2010		Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m 9.80m		to 9.80m 84.10m		Diameter 200mm 146mm		Casing Depth 9.80m 81.10m		Ground Level Coordinates National Grid Chainage		+1.92 mOD E 647463.17 N 264201.91	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments					
0.00-0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly gravelly SAND with frequent rootlets. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)					0.20 +1.72							
0.20-0.87	B 2		Yellowish brown slightly gravelly SAND. Gravel is subangular to rounded fine of mixed lithologies including flint. (MADE GROUND)					(0.67)									
0.87 0.87-1.20	D 3 B 4				Grey slightly silty SAND with rare fragments of wood. Slight organic odour. (MADE GROUND)					0.87 +1.05 (0.33)							
					Organics, concrete, clay, gravels. (Foreman's description) (Possible MADE GROUND)					1.20 +0.72 (5.00)							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 6.20 m												
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)					Chiselling Depths (m) Time Tools used							
None observed (see Key Sheet)					0.00 10.00 Rotary open hole drilling no testing undertaken.												
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole SBP 2009_4 Sheet 1 of 17							
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 11:46:25																	

Borehole Log



Soil Mechanics

Drilled PS	Start 06/07/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).			Depth from 0.00m	to 9.80m	Diameter 200mm	Casing Depth 9.80m	Ground Level +1.92 mOD	
Logged ST/GA	End 22/09/2010				9.80m	84.10m	146mm	81.10m	Coordinates E 647463.17	
Checked MT									National Grid N 264201.91	
									Chainage	
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			06/07/2010		Organics, concrete, clay, gravels. (Foreman's description) (Possible MADE GROUND)					
			2.71							
			07/07/2010	0800	Clay, gravels. (Foreman's description) (Possible RECENT DEPOSITS)			6.20		
			2.71					-4.28		
			07/07/2010					(3.80)		
			9.80							
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
No. Struck Post strike behaviour (m) None observed (see Key Sheet)										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL			Borehole				
			Project No. A0012-10			SITE				
			Carried out for NNB Generation Company Limited			A0012-10				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 11:46:26						SBP 2009_4				
						Sheet 2 of 17				

Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			08/07/2010	0800	Fine sand and gravel and occasional clay. (Foreman's description) (Possible RECENT DEPOSITS)	10.00 -8.08		
			9.80			(1.50)		
			08/07/2010	11.50				
			09/07/2010	0800	Peat/sand. (Foreman's description) (Possible RECENT DEPOSITS)	11.50 -9.58		
			11.50			(1.10)		
			09/07/2010	12.20		0.00		
			10/07/2010	0800	Sand and gravel. (Foreman's description) (Possible CRAG DEPOSITS)	12.60 -10.68		
			12.20	0.00				
						13.60-14.60 m B4T2		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m to 84.10m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					Sand and gravel. (Foreman's description) (Possible CRAG DEPOSITS)			
			10/07/2010			15.60-16.60 m B4T3		
			16.60	0.00				
			11/07/2010	0800				
			16.60	0.00				
			11/07/2010			(10.00)		
			17.85	0.00				
			12/07/2010	0800		17.90-18.93 m B4T4		
			17.85	0.00				
			12/07/2010					
			19.60	0.00				
			13/07/2010	0800		19.60-20.60 m B4T5		
			19.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_4 Sheet 4 of 17
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Scale 1:25

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408.24 21/02/2011 11:46:28



Borehole Log



Soil Mechanics

Drilled PS	Start 06/07/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m	to 9.80m	Diameter 200mm	Casing Depth 9.80m	Ground Level +1.92 mOD		
Logged ST/GA	End 22/09/2010		9.80m	84.10m	146mm	81.10m	Coordinates E 647463.17	N 264201.91	
Checked MT							National Grid	Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
					Sand and gravel. (Foreman's description) (Possible CRAG DEPOSITS)				
			13/07/2010						
			21.60	0.00					
			14/07/2010	0800		21.60-22.60 m			
			21.60	0.00		B4T6			
					Sands. (Foreman's description) (CRAG DEPOSITS)	22.60	-20.68		
						23.60-24.60 m			
						B4T7			
						(3.00)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 25.60 m				
Groundwater Entries			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
No. Struck Post strike behaviour (m)									
None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL			Borehole			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com			Project No. A0012-10			SITE			
408.24 21/02/2011 11:46:29			Carried out for NNB Generation Company Limited			SBP 2009_4			
						Sheet 5 of 17			

Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
			14/07/2010		Sands. (Foreman's description) (CRAG DEPOSITS)					
			25.60	0.00						
			15/07/2010	0800	Sands with hard bands of rock. (Foreman's description) (CRAG DEPOSITS)	25.60 -23.68				
			25.60	0.10		25.60-26.60 m B4T8				
			15/07/2010							
			27.60	0.00						
			16/07/2010	0800						
			27.60			27.60-28.60 m B4T9				
			16/07/2010							
			28.60							
			19/07/2010	0800	Gravel and sands. (Foreman's description) (CRAG DEPOSITS)	28.60 -26.68				
			28.60	0.21						
			19/07/2010							
			29.60	0.00						
			20/07/2010	0800						
			29.60	0.00						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 41.60 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			Groundwater Entries		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
					Gravel and sands. (Foreman's description) (CRAG DEPOSITS)					
			20/07/2010			30.60-31.60 m B4T10				
			31.60	0.00						
			21/07/2010	0800						
			31.60	0.35						
			21/07/2010			32.60-33.60 m B4T11				
			33.60	0.00						
			22/07/2010	0800						
			33.60	0.65						
						34.60-35.60 m B4T12				
					Stratum continues to 41.60 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_4 Sheet 7 of 17
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Scale 1:25

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408.24 21/02/2011 11:46:31



Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			Ground Level Coordinates National Grid Chainage		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
			22/07/2010		Gravel and sands. (Foreman's description) (CRAG DEPOSITS)	(13.00)				
			35.60	0.00						
			23/07/2010	0800						
			35.60	0.00						
						36.60-37.60 m				
						B4T13				
			23/07/2010							
			37.60	0.00						
			24/07/2010	0800						
			37.60	0.22						
						38.60-39.60 m				
						B4T14				
			24/07/2010							
			39.80	0.00						
			25/07/2010	0800						
			39.60	0.20						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 41.60 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m	Diameter 200mm	Casing Depth 9.80m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					Gravel and sands. (Foreman's description) (CRAG DEPOSITS)			
					40.60-41.60 m B4T15			
					Sand and clays. (Foreman's description) (Possible CRAG DEPOSITS)	41.60 -39.68		
			25/07/2010					
			42.60	0.00				
			26/07/2010	0800				
			42.60	0.35	42.60-43.60 m B4T16			
					43.60-44.60 m B4T17	(4.50)		
			26/07/2010					
			44.45	0.00				
			27/07/2010	0800				
			44.45	0.40				
			27/07/2010					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 46.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m to 84.10m 146mm 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)					
			45.10	0.00	Sand and clays. (Foreman's description) (Possible CRAG DEPOSITS)	45.10-46.10 m B4T18				
			28/07/2010	0800						
			45.10	1.00						
			28/07/2010	46.60	0.00	CLAYS. (Foreman's description) (LONDON CLAY)	46.60-47.60 m B4T19	46.10	-44.18	
			29/07/2010	46.60	0.50					
			29/07/2010	48.10	0.00					
			30/07/2010	48.10	1.81	48.10-49.10 m B4T20				
			30/07/2010	49.10	0.00					
			03/08/2010	49.10	3.34					
			03/08/2010	49.10	3.34	49.10-50.10 m B4T21				
			03/08/2010							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 56.60 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT		Start 06/07/2010 End 22/09/2010		Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m 9.80m		to 9.80m 84.10m		Diameter 200mm 146mm		Casing Depth 9.80m 81.10m		Ground Level +1.92 mOD Coordinates E 647463.17 N 264201.91	
Samples and Tests						Strata						Chainage			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 10)		Depth, Level (Thickness)	Legend	Backfill/ Instruments						
			50.10		CLAYS. (Foreman's description) (LONDON CLAY)		50.10-51.10 m B4T22								
			04/08/2010	0800											
			50.10	3.20											
			04/08/2010												
		Flush: 48.10-55.60 mud, 100 %	51.80												
			06/08/2010	0800											
			52.10	3.20											
			51.80												
			07/08/2010	0800											
			52.10	3.24											
			07/08/2010			51.10-51.80 m B4T23									
			53.10												
			08/08/2010	0800											
			53.10												
			08/08/2010												
			54.60												
			10/08/2010	0800											
			54.60												
			08/08/2010												
			54.60												
			Stratum continues to 56.60 m												
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used						
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL		SITE A0012-10				Borehole SBP 2009_4						
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com			Carried out for NNB Generation Company Limited						Sheet 11 of 17						

Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT		Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).			Depth from 0.00m 9.80m	to 9.80m 84.10m	Diameter 200mm 146mm	Casing Depth 9.80m 81.10m	Ground Level Coordinates National Grid Chainage	+1.92 mOD E 647463.17 N 264201.91
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 11)			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
			10/08/2010		CLAYS. (Foreman's description) (LONDON CLAY)						
			55.60								
		Flush: 55.60-56.10 mud, 85 %	18/08/2010	0800							
			55.60								
			18/08/2010		Stiff silty clay. (Foreman's description) (LONDON CLAY)			56.60-57.60 m B4T25	56.60 -54.68		
			57.10								
		Flush: 56.10-58.60 mud, 100 %	20/08/2010	0800				57.10-58.10 m B4T26			
			57.10								
			20/08/2010					58.60-59.60 m B4T27	(3.46)		
		Flush: 58.60-60.10 mud, 95 %									
			20/08/2010								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 60.06 m						
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks *			From	to (m)	Chiselling Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL			SITE A0012-10			Borehole SBP 2009_4		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com			Project No.			Carried out for			NNB Generation Company Limited		
408.24 21/02/2011 11:46:36			AGS						Sheet 12 of 17		

Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 12)			
			60.10		Stiff silty clay. (Foreman's description) (LONDON CLAY)	60.06 -58.14		
			26/08/2010	0800	60.10 m B4T28 test failed. B4T20 test failed.	(0.55)		
			60.10		Medium strong to strong grey thinly laminated dark grey SILTSTONE with occasional brown claystone pockets up to 5mm in size. (Possible LONDON CLAY)	60.61 -58.69		
		Flush: 60.10-61.60 mud, 100 %			Medium strong grey and brownish grey CLAYSTONE. (Possible LONDON CLAY)	60.66 -58.74		
			26/08/2010		Stiff silty clay. (Foreman's description) (Possible LAMBETH GROUP - CLAY)			
			61.60					
			01/09/2010	0800	61.60-62.30 m B4T30	(2.74)		
		Flush: 61.60-63.60 mud, 95 %			62.30-63.40 m B4T31			
			63.60		Sandy clay. (Foreman's description) (Possible LAMBETH GROUP - CLAY)	63.40 -61.48		
		Flush: 63.60-64.60 mud, 100 %			63.60-64.60 m B4T32	(1.20)		
					Sands. (Foreman's description) (LAMBETH GROUP - SAND)	64.60 -62.68		
					Stratum continues to 68.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
			01/09/2010 66.10		Sands. (Foreman's description) (LAMBETH GROUP - SAND)				
		Flush: 64.60-68.10 mud, 95 %	02/09/2010 66.10	0800		66.10-67.10 m B4T33			(3.50)
			02/09/2010 68.10						
			03/09/2010 68.10	0800	Gravelly sands. (Foreman's description) (LAMBETH GROUP - SAND)	68.10-68.15 m B4T34 test failed due to gravels.	68.10 -66.18		
		Flush: 68.10-70.60 mud, 100 %			Silty grey clay with claystone bands. (Foreman's description) (LAMBETH GROUP - CLAY)	69.10-69.25 m B4T35 test failed due to gravels.	69.25 -67.33		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 74.20 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			03/09/2010		Silty grey clay with claystone bands. (Foreman's description) (LAMBETH GROUP - CLAY)			
			70.60			70.60-71.60 m B4T36		
		Flush: 70.60-72.10 mud, 70 %	04/09/2010	0800				
			70.60					
						72.20-73.20 m B4T37		
						73.20-74.20 m B4T38		
		Flush: 72.10-74.70 mud						
			04/09/2010		Stiff grey CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)	74.20		
			74.70			-72.28		
			05/09/2010	0800				
			74.70			74.70-75.70 m B4T39		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 84.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 84.10m 146mm 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 15)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		Flush: 74.70-75.70 mud, 100 %	05/09/2010 75.70		Stiff grey CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)			
			13/09/2010 75.70	0800				
			13/09/2010 76.60					
			14/09/2010 76.60	0800		76.60-77.60 m B4T40		
		Flush: 75.70-79.60 mud, 80 %	14/09/2010 76.60			77.60-78.60 m B4T41		
			15/09/2010 76.60	0800		79.60-80.60 m B4T42		
					Stratum continues to 84.10 m	(9.90)		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_4 Sheet 16 of 17
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Borehole Log



Soil Mechanics

Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 16)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			15/09/2010 79.60		Stiff grey CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)			
		Flush: 79.60-81.10 mud, 85 %	16/09/2010 79.60	0800				
			16/09/2010 81.10					
			19/09/2010 81.10	0800		81.10-82.27 m B4T43		
		Flush: 81.10-83.27 mud, 100 %	19/09/2010 81.10			82.27-83.25 m B4T44		
			20/09/2010 81.10	0800		83.25-84.10 m		
		Flush: 83.27-84.10 mud, 85 %	20/09/2010 81.10					
					EXPLORATORY HOLE ENDS AT 84.10 m	84.10 -82.18		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT		Start 03/11/2010 End 15/11/2010		Equipment, Methods and Remarks SONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.		Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m		Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage			
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
		0.00-1.20 m Hand excavated inspection pit.			SAND. Foreman's description. (Probably MADE GROUND)			(1.20)			
1.20-2.00	100 N/A N/A				Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies including concrete and sandstone. (MADE GROUND)			1.20 +1.38 (0.48)			
					Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular to subrounded fine to medium of mixed lithologies including concrete and sandstone. (MADE GROUND)			1.68 +0.90 (0.36)			
2.00-3.00	100 N/A N/A				Brownish grey slightly silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)			2.04 +0.54			
3.00-4.50	100 N/A N/A							(2.68)			
					4.10 m silty						
					4.45-4.47 m band of coarse gravel						
4.50-5.00	100 N/A N/A				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is			4.72 -2.14			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 5.84 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m) 5.00 92.00 Water added to assist drilling.				Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole SD 2010_01 Sheet 1 of 25	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:54:02					AGS						

Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT		Start 03/11/2010 End 15/11/2010		Equipment, Methods and Remarks SONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.		Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m		Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage		
Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
5.00-6.50	100 N/A N/A		*			subangular to subrounded fine to coarse of sandstone. (MADE GROUND)	(1.12)			
						Firm dark brown slightly sandy clayey amorphous PEAT. (RECENT DEPOSITS)	5.84 -3.26			
						6.29-6.50 m bands of firm grey clay less than 50mm in thickness 6.50-6.76 m pseudo-fibrous peat	(1.10)			
6.50-8.00	100 N/A N/A					Soft grey slightly sandy CLAY. (RECENT DEPOSITS)	6.94 -4.36			
							(1.00)			
8.00-9.50	100 N/A N/A					Grey, locally dark grey, silty slightly gravelly SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (CRAG DEPOSITS)	7.94 -5.36			
				03/11/2010 8.00			(3.06)			
				04/11/2010 8.00	0800 0.00					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 11.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m) 5.00 92.00 Water added to assist drilling.			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for			Borehole SD 2010_01 Sheet 2 of 25	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:54:02						AGS				

Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
9.50-11.00	100 N/A N/A					Grey, locally dark grey, silty slightly gravelly SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (CRAG DEPOSITS)			
11.00-12.50	100 N/A N/A					Greenish grey slightly silty SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	11.00 -8.42	[Symbol]	
						11.10-11.30 m orangish brown			
						11.40-11.50 m orangish brown with occasional very thin soft dark grey silty clay laminae	(1.75)		
12.50-14.00	83 N/A N/A					12.50-12.75 m NO RECOVERY	12.75 -10.17	[Symbol]	
						Orangish brown slightly silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	(2.55)		
14.00-15.50	100 N/A N/A					14.60-14.75 m light grey		[Symbol]	
						14.75-14.85 m band of soft dark grey silty clay			
						14.85-15.00 m light grey			
						Stratum continues to 15.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 3 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)					
15.50-17.00	87 N/A N/A					Orangish brown slightly silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	15.25-15.30 m	15.30 -12.72	[Symbol]		
						Grey slightly silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	band of soft dark grey silty clay 15.50-15.70 m NO RECOVERY				
17.00-18.50	80 N/A N/A						17.00-17.80 m NO RECOVERY	17.80 -15.22	[Symbol]		
						Grey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	17.80-18.50 m Slightly gravelly. Gravel is fine angular to rounded flint				
18.50-20.00	100 N/A N/A						18.60-19.00 m occasional pockets of stiff grey silty clay less than 20mm in size. Rare shell fragments		[Symbol]		
							19.55-20.00 m greenish grey with rare shell fragments				
						Stratum continues to 26.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-21.50	100 N/A N/A					Grey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		(8.20)	
21.50-23.00	100 N/A N/A			04/11/2010 23.00	0.00	20.45-21.00 m fine sand with no shell fragments			
23.00-24.50	100 N/A N/A			05/11/2010 23.00	0800	22.80-23.00 m locally greenish grey			
						24.20-24.50 m locally greenish grey, locally weakly cemented			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 26.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			Ground Level Coordinates National Grid Chainage		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
24.50-26.00	100 N/A N/A					Grey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
						25.65-25.85 m weakly cemented					
26.00-27.50	0 N/A N/A			05/11/2010 27.50	2.50	ZONE OF CORE LOSS. (Probably CRAG DEPOSITS)	26.00 -23.42				
							(1.85)				
27.50-29.00	77 N/A N/A			08/11/2010 27.50	0800 3.40	Grey slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	27.85 -25.27				
							(1.15)				
29.00-30.50	100 N/A N/A					Blueish grey silty SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	29.00 -26.42				
						29.15 m 2 No. subangular medium gravel of flint	(0.50)				
						29.30-29.35 m band of firm brownish grey silty clay					
						29.40-29.45 m band of firm brownish grey silty clay	29.50 -26.92				
						Grey, locally slightly silty SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 31.60 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
30.50-32.00	100 N/A N/A			08/11/2010 29.00		Grey, locally slightly silty SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	30.30-30.40 m weakly cemented	(2.10)	
32.00-33.50	60 N/A N/A			09/11/2010 29.00	0800	Greenish grey silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	32.00-32.60 m NO RECOVERY	31.60 -29.02	
33.50-35.00	100 N/A N/A						34.60 m small pocket of firm brown silty clay less than 20mm in size. 34.80 m small pocket of firm brown silty clay.	(5.80)	
Depth						Stratum continues to 37.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 7 of 25
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Scale 1:25

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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
35.00-36.50	100 N/A N/A					Greenish grey silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)			
36.50-38.00	100 N/A N/A			09/11/2010 38.00		Greenish grey slightly silty SAND with occasional locally frequent fine gravel size shell fragments. (CRAG DEPOSITS)	37.40 -34.82		
38.00-39.50	100 N/A N/A			10/11/2010 38.00	0800 3.10	38.60 m 1 No. intact shell 20mm in size	(1.90)		
						Grey, locally greenish grey SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	39.30 -36.72		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 45.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
39.50-41.00	100 N/A N/A					Grey, locally greenish grey SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	(5.75)		
41.00-42.50	100 N/A N/A								
42.50-44.00	100 N/A N/A				43.15-43.25 m [frequent fine gravel size shell fragments 43.40-43.55 m [bands of dark grey sand up to 10mm in thickness				
44.00-45.50	100 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 45.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 9 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
50.00-51.50	100 N/A N/A					Stiff dark brown sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of claystone. (LONDON CLAY A2) 50.00-50.05 m soft 50.05-50.24 m brown clayey gravel. Gravel is subangular fine to coarse, predominantly coarse, of claystone	(9.70)		
51.50-53.00	100 N/A N/A								
53.00-53.45			CS 2	10/11/2010 53.00					
53.00-54.50	100 N/A N/A			11/11/2010 0800 53.00					
Depth TCR SCR ROD If Records/Samples Date Casing Time Water						Stratum continues to 57.66 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
54.50-56.00	100 N/A N/A					Stiff dark brown sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of claystone. (LONDON CLAY A2)			
56.00-57.50	100 N/A N/A					56.65 m firm			
57.50-59.00	100 N/A N/A					Brown clayey slightly sandy GRAVEL. Gravel is rounded to subangular fine to coarse of flint. (LAMBETH GROUP - SAND)	57.66 -55.08 (0.38)		
59.00-60.50	100 N/A N/A					Brown with occasional grey bands silty fine to medium SAND. (LAMBETH GROUP - SAND)	58.04 -55.46		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 65.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 12 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 12)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
60.50-62.00	100 N/A N/A					Brown with occasional grey bands silty fine to medium SAND. (LAMBETH GROUP - SAND)	(7.36)		
62.00-63.50	100 N/A N/A				62.06-62.55 m firm greyish brown very sandy clay				
63.50-65.00	78 N/A N/A				63.50-63.83 m AZCL				
					63.83-64.00 m brown sandy silt				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 65.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 13 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
						Brown with occasional grey bands silty fine to medium SAND. (LAMBETH GROUP - SAND)	65.00-65.90 m AZCL		
65.00-66.50	40 N/A N/A					Stratum boundary uncertain. Soft to firm greyish brown silty slightly sandy CLAY. (LAMBETH GROUP - CLAY)	65.40 -62.82 (1.10)		
66.50-68.00	100 N/A N/A					Stiff to very stiff greyish brown sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of claystone. (LAMBETH GROUP - CLAY)	66.50 -63.92 (2.35)		
68.00-68.40			CS 3						
68.00-69.50	100 N/A N/A					Stiff blueish grey mottled reddish brown slightly sandy CLAY. (LAMBETH GROUP - CLAY)	68.85 -66.27 (0.65)		
						Firm thinly laminated blueish grey sandy CLAY with fine sand in laminae and rare brown bands. (LAMBETH GROUP - CLAY)	69.50 -66.92		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 71.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests					Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
69.50-71.00	100 N/A N/A			11/11/2010 71.00		Firm thinly laminated blueish grey sandy CLAY with fine sand in laminae and rare brown bands. (LAMBETH GROUP - CLAY)	70.02-70.14 m reddish orangish brown	(1.50)		
71.00-72.50	100 N/A N/A			12/11/2010 71.00	0800	Stiff dark brown sandy CLAY. (LAMBETH GROUP - CLAY)	71.00 -68.42			
72.10-72.50			CS 4							
72.50-74.00	100 N/A N/A									
74.00-75.50	100 N/A N/A									
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 81.46 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 15)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
75.10-75.50			CS 5			Stiff dark brown sandy CLAY. (LAMBETH GROUP - CLAY)	(10.46)		
75.50-77.00	100 N/A N/A								
77.00-77.40			CS 6						
77.00-79.30	100 N/A N/A								
Stratum continues to 81.46 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 16)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
80.00-80.40			CS 7			Stiff dark brown sandy CLAY. (LAMBETH GROUP - CLAY)	80.00 m brown		
79.30-81.50	100 N/A N/A								
81.50-83.00	100 63 0					Extremely weak to very weak low density white with occasional grey patches CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, infilled up to 20mm with angular fine to medium chalk gravel. (WHITE CHALK GRADE C3)	81.46 -78.88		
83.00-84.50	61 0 0					81.07 m dark grey black sandy slightly gravelly clay. Gravel is rounded to subrounded fine to coarse of flint 81.20-81.41 m grey sandy silt 81.41-81.46 m gravel of flint 81.70-81.84 m partially rounded flints up to 60mm in size			
						83.00-83.59 m AZCL			
						83.59-84.50 m recovered as structureless chalk of cream slightly sandy gravelly silt (GRADE DM)			
						84.34-84.50 m grey			
						84.59-84.68 m structureless chalk			
						84.82-84.89 m grey			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 95.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:54:13	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 17 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 17)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
84.50-86.00	100 55 0					Extremely weak to very weak low density white with occasional grey patches CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, infilled up to 20mm with angular fine to medium chalk gravel. (WHITE CHALK GRADE C3)			
						85.66-85.74 m structureless chalk			
						85.74-85.80 m grey			
						86.61-86.68 m partially rounded flint			
86.00-89.00	100 72 0								
						87.73-88.04 m frequent grey patches	(13.54)		
						89.00-89.12 m partially rinded flints up to 40mm in size			
						89.31-89.37 m 1 No. partially rinded flint			
						89.82-89.86 m partially rinded flints up to 20mm			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 95.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:54:14	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 18 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 18)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
89.00-92.00	100 82 0			12/11/2010 92.00		Extremely weak to very weak low density white with occasional grey patches CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, infilled up to 20mm with angular fine to medium chalk gravel. (WHITE CHALK GRADE C3)			
92.00-93.50	75 52 17			13/11/2010 92.00	0800				
93.50-95.00	100 79 8					93.50-93.57 m partially rinded flint up to 60mm in size 94.24-94.87 m 1 No. subvertically undulose clean fracture			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 19)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments

							95.00 -92.42		
95.00-96.50	0 N/A N/A					ZONE OF LOSS. Probably weak low density white CHALK. (WHITE CHALK GRADE C3)	(3.00)		
96.50-98.00	0 N/A N/A								
98.00-99.50	81 N/A N/A			13/11/2010 99.50	14/11/2010 0800 99.50 -1.00	Probably weak low density white CHALK (Grade C3). Recovered as structureless chalk composed of white slightly gravelly sandy silt. (WHITE CHALK GRADE Dm)	98.00 -95.42		
						Stratum continues to 101.00 m			

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)			98.00 119.00 Water added to assist drilling.				



Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 20)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
99.50-102.50	32 N/A N/A					Probably weak low density white CHALK (Grade C3). Recovered as structureless chalk composed of white slightly gravelly sandy silt. (WHITE CHALK GRADE Dm)			
						Extremely weak to very weak low density white with grey patches CHALK. (WHITE CHALK GRADE C3)	101.00-101.06 m partially rinded flint up to 60mm in size	01.00 -98.42	
						ZONE OF CORE LOSS. Probably very weak low density white chalk. (WHITE CHALK GRADE C3)		02.50 -99.92	
102.50-104.00	100 91 0					Probable very weak low density white CHALK (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)		04.00 -101.42	
						Stratum continues to 105.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 21 of 25
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Scale 1:25

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 408.24 04/08/2011 14:54:16



Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 21)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
104.00-107.00	82 44 0					Probable very weak low density white CHALK (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm) Very weak low density white CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, planar, infilled up to 20mm with fine to medium grained gravel. (WHITE CHALK GRADE C3)	05.05 -102.47		
						106.94-107.00 m partially rinded flints up to 40mm in size			
107.00-108.50	100 90 0				0.000	107.84 m unrinded flint up to 10mm in size			
108.50-110.00	100 95 0					108.50-108.56 m fine gravel sized flint 108.56-109.17 m partially rinded flint up to 50mm in size			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 116.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:54:17	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 22 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 22)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
110.00-111.50	43 33 0			14/11/2010 110.00		Very weak low density white CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, planar, infilled up to 20mm with fine to medium grained gravel. (WHITE CHALK GRADE C3)	110.00-110.85 m AZCL	(10.95)	
				15/11/2010 110.00	0800		111.33-111.41 m partially rinded flint up to 50mm in size		
111.50-113.00	79 55 0						111.50-111.81 m AZCL		
							111.81-111.89 m drilling induced none intact		
113.00-114.50	35 19 15						112.66-112.69 m partially rinded flint up to 40mm in size		
							113.00-113.97 m AZCL		
							113.97-114.10 m drilling induced NI		
							114.14-114.18 m fine gravel sized flint in comminuted chalk		
							114.68-114.80 m 1 No. 80 deg rough clean fracture		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 116.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 23)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
114.50-116.00	100 76 34					Very weak low density white CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, planar, infilled up to 20mm with fine to medium grained gravel. (WHITE CHALK GRADE C3)			
116.00-117.50	0 N/A N/A					ZONE OF CORE LOSS. Probably very weak low density white CHALK. (WHITE CHALK GRADE C3)	16.00 -113.42		
						117.50-117.84 m AZCL		(1.84)	
117.50-120.50	89 0 0					Possibly very weak low density white CHALK. (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)	117.84-119.00 m recovered as structureless chalk of uncompacted sandy gravelly silt (Grade Dm)	17.84 -115.26	
								(2.66)	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 24 of 25
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Borehole Log



Soil Mechanics

Drilled GR	Logged PM	Checked MT	Start 03/11/2010	End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m	to 120.50m	Diameter 150mm	Casing Depth 119.00m	Ground Level +2.58 mOD	Coordinates E 647203.74 N 263966.58	
Samples and Tests					Strata							
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 24)				Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
				15/11/2010 119.00		Possibly very weak low density white CHALK. (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)						
						EXPLORATORY HOLE ENDS AT 120.50 m				20.50 -117.92		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water							
Groundwater Entries				Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used		
No. Struck Post strike behaviour (m) None observed (see Key Sheet)												
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL				Borehole SD 2010_01		
Project No. A0012-10						Carried out for NNB Generation Company Limited				Sheet 25 of 25		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:54:19												

Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
		0.00-1.20 m Hand excavated inspection pit.			SAND. (Foreman's description) (MADE GROUND)	(1.20)			
1.20-2.00	100 N/A N/A				Light brown slightly silty gravelly, locally very gravelly, fine to medium SAND. Gravel is subangular to rounded fine to coarse of various lithologies. (MADE GROUND)	1.20 +2.20			
2.00-3.50	100 N/A N/A				2.64-3.07 m multicoloured sandy GRAVEL. Gravel is subrounded to rounded of various lithologies	(3.80)			
3.50-5.00	100 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT		Start 18/11/1018 End 15/12/2010		Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.		Depth from 0.00m to 11.00m		Diameter 178mm to 150mm		Casing Depth 11.00m to 98.00m		Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage	
Samples and Tests						Strata							
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments		
5.00-6.50	100 N/A N/A					Multicoloured sandy GRAVEL. Sand is medium to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies. (MADE GROUND)		5.00 -1.60 (1.39)					
6.50-8.00	100 N/A N/A					Firm dark brown clayey pseudo fibrous PEAT. (RECENT DEPOSITS)		6.39 -2.99					
						6.88-7.27 m soft to firm grey slightly sandy CLAY							
8.00-9.50	100 N/A N/A					8.00-8.41 m soft grey slightly sandy CLAY							
						Firm brown sandy CLAY with frequent organic matter and occasional fine to medium gravel size shell fragments. (RECENT DEPOSITS)		8.41 -5.01					
								(2.59)					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 11.00 m							
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited						Borehole SD 2010_03 Sheet 2 of 25	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:54:32						AGS							

Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2010 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
9.50-11.00	100 N/A N/A					Firm brown sandy CLAY with frequent organic matter and occasional fine to medium gravel size shell fragments. (RECENT DEPOSITS)			
11.00-12.50	100 N/A N/A					Firm dark brown, black clayey amorphous PEAT. (RECENT DEPOSITS)	11.00 -7.60		
12.50-14.00	85 N/A N/A					(Boundary uncertain) Brownish grey slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of flint and sandstone. (CRAG DEPOSITS)	12.50 -9.10		
				19/11/2010	1800				
				14.00	dry				
				22/11/2010	0800				
				14.00	dry				
							12.50-12.72 m NO RECOVERY		
							14.00-14.70 m NO RECOVERY		
							14.70 m brown		
							(4.23)		
						Stratum continues to 16.73 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
14.00-17.00	77 N/A N/A					(Boundary uncertain) Brownish grey slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of flint and sandstone. (CRAG DEPOSITS)			
17.00-18.50	100 N/A N/A					Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)	16.73 -13.33		
18.50-20.00	40 N/A N/A			22/11/2010	1800 20.00 dry		18.50-19.40 m NO RECOVERY		
						Stratum continues to 47.05 m	19.85-19.88 m firm brown sandy CLAY		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-21.50	100 N/A N/A			23/11/2010	0800	Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)			
21.50-23.00	100 N/A N/A				21.70-23.40 m rare medium gravel size shell fragments				
23.00-24.50	100 N/A N/A				23.02-23.04 m soft grey sandy CLAY				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 47.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 262414.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
24.50-26.00	100 N/A N/A					Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)			
26.00-27.50	100 N/A N/A								
					27.50-27.70 m NO RECOVERY				
27.50-29.00	87 N/A N/A				28.14-28.41 m soft grey sandy CLAY				
					28.42-28.48 m soft grey sandy CLAY				
						29.12-29.34 m frequent medium gravel size shell fragments			
29.00-30.50	87 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 47.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
30.50-32.00	100 N/A N/A					Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)	30.22-30.35 m firm brownish grey sandy CLAY		
32.00-33.50	100 N/A N/A					32.98-33.14 m firm greyish brown sandy CLAY			
33.50-35.00	100 N/A N/A					33.14-34.10 m frequent medium gravel size shell fragments			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 47.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
35.00-36.50	100 N/A N/A			23/11/2010 36.50	1800 3.50	Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)			
				24/11/2010 36.50	0800 1.60		36.50-36.90 m NO RECOVERY		
36.50-38.00	73 N/A N/A								
38.00-39.50	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 47.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
39.50-41.00	100 N/A N/A					Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)			
41.00-42.50	100 N/A N/A								
42.50-44.00	100 N/A N/A			24/11/2010 1800 44.00 2.90					
44.00-45.50	100 N/A N/A			25/11/2010 0800 44.00 2.60					
						44.64-44.86 m frequent clay bands up to 15mm in thickness			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 47.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
45.50-47.00	100 N/A N/A					Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)			
48.10-48.50			CS 1			Very stiff to stiff brownish grey thinly laminated slightly sandy CLAY with fine sand silt laminae. (LONDON CLAY A3ii)	47.05 -43.65		
47.00-50.00	45 N/A N/A					48.50-48.66 m NO RECOVERY 48.66-49.45 m fissures infilled up to 20mm with grey sandy SILT			
Stratum continues to 60.76 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 10)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
50.00-51.50	97 N/A N/A		CS 2			Very stiff to stiff brownish grey thinly laminated slightly sandy CLAY with fine sand silt laminae. (LONDON CLAY A3ii)	50.00-50.04 m NO RECOVERY		
50.90-51.30							50.56-50.62 m blueish grey		
51.50-53.00	100 N/A N/A								
53.00-54.50	100 N/A N/A								
54.10-54.50			CS 3	25/11/2010	1800		(13.71)		
				54.50	7.60				
				26/11/2010	0800				
				54.50	9.60				
						Stratum continues to 60.76 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 11)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
54.50-56.00	100 N/A N/A					Very stiff to stiff brownish grey thinly laminated slightly sandy CLAY with fine sand silt laminae. (LONDON CLAY A3ii)			
56.00-57.50	100 N/A N/A								
57.50-59.00	100 N/A N/A								
59.00-60.50	100 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 60.76 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2010 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 12)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
60.10-60.50			CS 4	26/11/2010 60.50	1800 10.90	Very stiff to stiff brownish grey thinly laminated slightly sandy CLAY with fine sand silt laminae. (LONDON CLAY A3ii)			
				29/11/2010 60.50	0800 2.30				
60.50-62.00	100 N/A N/A					Brown slightly silty fine to medium SAND.. (LAMBETH GROUP - SAND)	60.76 -57.36		
62.00-63.50	100 N/A N/A			29/11/2010 63.50	1800 3.00	62.20-62.36 m firm thinly laminated brown sandy CLAY with grey silt laminae			
				30/11/2010 63.50	0800 1.25				
63.50-65.00	100 N/A N/A						(6.00)		
						Stratum continues to 66.76 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 13)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
65.00-66.50	100 N/A N/A					Brown slightly silty fine to medium SAND.. (LAMBETH GROUP - SAND)			
66.50-68.00	100 N/A N/A					Soft brown very sandy CLAY. (LAMBETH GROUP - CLAY)	66.76 -63.36 (0.96)		
68.00-69.50	100 N/A N/A					Brown slightly silty fine to medium SAND.. (LAMBETH GROUP - SAND)	67.72 -64.32 (1.87)		
						Grey clayey fine to medium SAND, locally grading to a firm sandy clay. (LAMBETH GROUP - SAND)	69.59 -66.19		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 74.22 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 14)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
69.50-71.00	100 N/A N/A					Grey clayey fine to medium SAND, locally grading to a firm sandy clay. (LAMBETH GROUP - SAND)			
71.00-72.50	100 N/A N/A				71.00-71.61 m soft grey sandy CLAY		(4.63)		
72.50-74.00	100 N/A N/A			30/11/2010 1800 74.00 2.60					
				01/12/2010 0800 74.00 9.20					
74.00-75.50	100 N/A N/A					Stiff to very stiff dark grey slightly sandy to sandy CLAY. (LAMBETH GROUP - CLAY)	74.22 -70.82		
Stratum continues to 86.11 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 15)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
75.50-77.00	100 N/A N/A					Stiff to very stiff dark grey slightly sandy to sandy CLAY. (LAMBETH GROUP - CLAY) 75.29-75.50 m very soft brown sandy SILT				
77.50-77.90			CS 5							
77.00-78.50	100 N/A N/A									
78.50-80.00	100 N/A N/A									
Depth						Stratum continues to 86.11 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 16)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
80.00-81.50	100 N/A N/A			01/12/2010 81.50	1800 11.60	Stiff to very stiff dark grey slightly sandy to sandy CLAY. (LAMBETH GROUP - CLAY)	(11.89)		
				06/12/2010 81.50	0800 6.90				
81.50-83.00	100 N/A N/A								
83.00-83.40			CS 6						
83.00-84.50	100 N/A N/A			06/12/2010 84.50	1800 30.60				
				07/12/2010 84.50	0800 16.30				
						84.90 m firm			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 86.11 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 17)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
84.50-86.00	100 N/A N/A			07/12/2010 86.00	1800 1.30	Stiff to very stiff dark grey slightly sandy to sandy CLAY. (LAMBETH GROUP - CLAY)			
				08/12/2010 86.00	0800 0.50	Probably very weak low density white CHALK. recovered as slightly sandy slightly gravelly silt. (Probably CHALK A2 recovered as chalk DM)	86.11 -82.71		
86.00-87.50	53 0 0						(1.97)		
87.50-89.00	61 12 0			08/12/2010 89.00	1800 2.80	Very weak medium dense greyish white CHALK with grey patches. Fractures are subhorizontal, closely to medium spaced, rough, clean. (WHITE CHALK Grade A2/A3)	88.08 -84.68		
				09/12/2010 89.00	0800 1.00		88.08-88.17 m recovered as slightly sandy gravelly SILT 88.27-88.51 m drilling induced non-intact 88.61-89.12 m drilling induced non-intact 89.12-89.21 m recovered as gravel with partially rounded flint up to 30mm in size		
89.00-90.50	100 55 10						89.84-90.01 m drilling induced non-intact		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 92.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m) 87.50 120.50	Depth Related Remarks * From to (m) 87.50 120.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:54:43	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_03 Sheet 18 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m to 11.00m to 120.50m Diameter 178mm Casing Depth 11.00m to 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 18)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
90.50-92.00	100 81 41	NI 130 390				Very weak medium dense greyish white CHALK with grey patches. Fractures are subhorizontal, closely to medium spaced, rough, clean. (WHITE CHALK Grade A2/A3)	90.01-90.50 m 2 No intersecting 70 degree rough clean fractures 90.27-90.50 m drilling induced non-intact 90.50-90.66 m drilling induced non-intact 91.02-92.27 m 1 No 70 degree rough clean fracture 92.00-92.40 m NO RECOVERY	(4.32)		
92.00-93.50	73 41 35					Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)	92.40-92.45 m drilling induced non-intact 92.85-92.88 m partially rounded flint 92.97-93.02 m partially rounded flint up to 40mm in size 93.40-93.50 m drilling induced non-intact 93.50-93.61 m drilling induced non-intact 93.73-94.09 m 1 No subvertical rough clean fracture	92.40 -89.00		
93.50-95.00	100 79 38									
Stratum continues to 120.50 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 19)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
95.00-96.50	100 71 47			09/12/2010	1800	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)	95.00-95.27 m	[
				96.50	13.50		95.45-95.53 m		
96.50-98.00	61 40 25			10/12/2010	0800		96.45-96.50 m	[
				96.50	6.00		96.50-96.99 m		
98.00-99.50	100 65 55						96.99-97.11 m	[
							97.94-98.00 m		
							98.00-98.14 m	[
							99.29-99.50 m		
							99.50-99.99 m	[
							AZCL		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m to 11.00m to 120.50m Diameter 178mm Casing Depth 11.00m to 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 20)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
99.50-101.00	85 70 52			10/12/2010 98.00	1800 15.80	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)	99.99-100.08 m drilling induced non-intact		
				11/12/2010 98.00	0800 1.60		101.00-101.70 m AZCL		
101.00-102.50	53 27 20						101.70-101.88 m drilling induced non-intact		
							102.38-102.44 m 1 No subvertical rough clean fracture		
							102.44-102.50 m drilling induced non-intact		
							102.67-102.77 m NI		
							102.77-102.93 m partially rounded flints up to 40mm in size		
102.50-104.00	100 59 23						103.87-104.00 m drilling induced non-intact		
							104.00-104.99 m AZCL		
104.00-105.50	34 14 0								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m to 11.00m to 120.50m Diameter 178mm Casing Depth 11.00m to 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 21)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
105.50-107.00	100 57 19	40 150 310		11/12/2010 98.00	1800 13.30	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)	(28.10)		
				12/12/2010 98.00	0800 0.50				
107.00-108.50	100 73 46					104.99-105.11 m drilling induced non-intact 105.11-105.24 m partially rinded flint up to 70mm in size 105.50-105.68 m drilling induced non-intact 105.86-106.50 m 1 No subvertical rough clean fracture 106.52-106.56 m partially rinded flints up to 10mm in size 106.88-107.00 m drilling induced non-intact 107.00-107.08 m partially rinded flint up to 10mm in size 107.43-107.50 m partially rinded flint up to 40mm in size 107.97-108.50 m 1 No subvertical rough planar clean fracture 108.50-108.62 m AZCL 108.62-108.71 m drilling induced non-intact			
108.50-110.00	92 73 56								
Stratum continues to 120.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_03 Sheet 22 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/1018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 22)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
110.00-111.50	100 61 58					Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)	110.00-110.40 m AZCL 110.40-110.49 m drilling induced non-intact 110.49-110.89 m 1 No 80 degree rough clean fracture 110.70-111.80 m NI		
111.50-113.00	100 71 29						111.98-112.29 m 1 No subvertical rough clean fracture 112.29-112.33 m partially rinded flint up to 40mm in size		
				12/12/2010	1800				
				98.00	12.90				
				13/12/2010	0800				
				98.00	0.60		113.00-113.39 m AZCL		
113.00-114.50	74 43 31								
							114.50-114.64 m drilling induced non-intact 114.64-114.77 m partially rinded flint up to 20mm in size 114.77-115.42 m 1 No subvertical -rough-undulose		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_03 Sheet 23 of 25
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2010 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 23)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
114.50-116.00	100 71 32					Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)			
							116.00-116.30 m AZCL		
116.00-117.50	80 41 18						116.30-116.42 m drilling induced non-intact		
							116.42-116.44 m partially rinded flint up to 20mm in size		
							117.14-117.22 m drilling induced non-intact		
							117.44-117.50 m drilling induced non-intact		
117.50-119.00	89 49 14						117.50-117.67 m AZCL		
							117.67-117.97 m NI with rare unrinded flint up to 10mm in size		
							118.51-118.59 m drilling induced non-intact		
							119.00-119.15 m AZCL		
							119.15-119.30 m drilling induced non-intact		
119.00-120.50	90 75 23						119.59-120.02 m 1 No 70 degree rough clean fracture		
							119.77-120.29 m 1 No 70 degree rough planar fracture		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled GR Logged PM Checked MT	Start 18/11/2018	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m	to 11.00m	Diameter 178mm	Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
	End 15/12/2010		11.00m	120.50m	150mm	98.00m	
	15/12/2010						

Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 24)			
				13/12/2010	1800	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)			
				98.00	11.20				
EXPLORATORY HOLE ENDS AT 120.50 m							20.50	-117.10	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments
0.20-0.50 0.20-0.50	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.	08/07/2010		Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.10 +1.64		
0.50-1.00 0.50-1.00	D 3 B 4				Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of soft yellowish brown sandy clay (less than 500mm in size). Gravel is angular to rounded fine to medium of mixed lithologies including flint and brick. (MADE GROUND)	(0.90)		
1.00-1.20 1.00-1.20	D 5 B 6				Greyish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND)	1.00 +0.74 1.20 +0.54		
			10/07/2010	0800	ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)		
			10/07/2010	9.80				
			11/07/2010	0800				

Depth	Type & No	Records	Date Casing	Time Water	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)	Depth Related Remarks * From to (m)		



Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT		Start 08/07/2010 End 27/07/2010		Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.		Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m		Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
10.00-10.45 10.00-10.45	SPT S D 7	N=18 (3,2/3,4,5,6)	10.00	2.00 9.80	Medium dense to dense brownish grey silty slightly gravelly fine to coarse SAND with occasional pockets of dark brown plastic clayey amorphous peat. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint, quartz and shell fragments. Slight organic odour. (RECENT DEPOSITS)	10.00	-8.26		
10.80-11.25 10.80-11.25	SPT S D 8	N=41 (4,7/9,11,12,9)	10.00	0.00		(2.40)			
11.60-12.05 11.60-12.05	SPT S D 9	N=32 (4,6/5,8,11,8)	10.00	0.00					
12.40-12.85 12.40-12.85	SPT S D 10	N=33 (3,5/6,9,8,10)	10.00	0.00	Very dense greenish grey, locally yellowish grey silty slightly gravelly fine to coarse SAND with fine to medium gravel size frequent shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	12.40	-10.66		
13.20-13.65	SPT S	N=50 (3,7/13,15,12,10)	11/07/2010 10.00	1.80					
13.50-13.65	D 11		12/07/2010 10.00	0800 2.10					
14.00-14.45 14.00-14.45	SPT S D 12	N=43 (4,8/11,11,13,8)	10.00	0.00					
14.80-15.18 14.80-15.17	SPT S D 13	50 (3,5/11,15,24)	10.00	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 18.55 m				
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE			Borehole		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 13/04/2011 09:37:31			Project No.	A0012-10			SPT 2009_1		
AGS			Carried out for	NNB Generation Company Limited			Sheet 3 of 10		

Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
15.60-15.95 15.60-15.94	SPT S D 14	50 (5,8/15,21,14 for 45mm)	10.00	0.00	Very dense greenish grey, locally yellowish grey silty slightly gravelly fine to coarse SAND with fine to medium gravel size frequent shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	(6.15)			
16.40-16.77 16.40-16.76	SPT S D 15	50 (3,5/11,16,23 for 65mm)	10.00	0.00					16.40-16.76 m thin laminae of silty clay
17.20-17.58 17.20-17.55	SPT S D 16	50 (2,6/13,21,16)	10.00	0.00					
18.00-18.30 18.00-18.30	SPT S D 17	50 (4,8/17,33)	10.00 12/07/2010 10.00	2.10					
18.00-18.30 18.00-18.30	SPT S D 17	50 (4,8/17,33)	13/07/2010 10.00	0800 2.10					
18.80-19.10 18.80-19.09	SPT S D 18	50 (4,14/24,26)	10.00	0.00	Very dense greenish grey, locally yellowish grey, silty fine to coarse SAND with fine to medium gravel size frequent shell fragments. (CRAG DEPOSITS) Below 22.00m, becoming slightly silty.	18.55 -16.81			
19.60-19.90 19.60-19.86	SPT S D 19	50 (6,19/31,19)	10.00	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 24.15 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_1 Sheet 4 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.78 20.40-20.70	SPT S D 20	50 (5,13/21,25,4)	10.00	0.00	Very dense greenish grey, locally yellowish grey, silty fine to coarse SAND with fine to medium gravel size frequent shell fragments. (CRAG DEPOSITS) Below 22.00m, becoming slightly silty.	(5.60)		
21.20-21.58 21.20-21.51	SPT S D 21	50 (8,17/18,26,6)	10.00 13/07/2010 10.00	0.00 1.80				
22.00-22.31 22.00-22.31	SPT S D 22	50 (8,16/20,22,8 for 10mm)	10.00	0.00				
22.80-23.09 22.80-23.09	SPT S D 23	50 (9,15/22,28 for 65mm)	10.00	0.00				
23.60-23.85 23.60-23.87	SPT S D 24	50 (11,14 for 50mm/ 27,23 for 50mm)	14/07/2010 10.00	0800 1.60				
24.40-24.71 24.40-24.71	SPT S D 25	50 (5,15/18,26,6 for 10mm)	15/07/2010 10.00	0800 1.60	Very dense greenish grey, locally yellowish grey, silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (CRAG DEPOSITS) Below 31.30m, becoming slightly silty.	24.15 -22.41		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 39.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_1 Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.20-25.45 25.20-25.45	SPT S D 26	50 (8,17 for 60mm/ 27,23 for 40mm)	10.00	0.80	Very dense greenish grey, locally yellowish grey, silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (CRAG DEPOSITS) Below 31.30m, becoming slightly silty.			
26.00-26.35 26.00-26.27	SPT S D 27	50 (8,12/15,17,18 for 45mm)	10.00	0.80				
26.80-27.10 26.80-27.09	SPT S D 28	50 (7,18 for 60mm/ 22,23,5 for 15mm)	10.00	0.80				
27.60-27.88 27.60-27.88	SPT S D 29	50 (15,10 for 40mm/ 18,24,8 for 15mm)	15/07/2010	1.00				
			16/07/2010	0800				
28.40-28.60 28.40-28.68	SPT S D 30	50 (10,15 for 20mm/ 31,19 for 30mm)	10.00	dry				
			16/07/2010	0.60				
29.20-29.47 29.20-29.47	SPT S D 31	50 (10,15 for 65mm/ 29,21 for 55mm)	10.00	dry				
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 39.30 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 13/04/2011 09:37:40	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_1 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
30.00-30.26 30.00-30.26	SPT S D 32	50 (11,14 for 50mm/ 27,23 for 60mm)	10.00 19/07/2010	0.70 0800	Very dense greenish grey, locally yellowish grey, silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (CRAG DEPOSITS) Below 31.30m, becoming slightly silty.	(15.15)						
30.80-31.09 30.80-31.09	SPT S D 33	50 (7,16/23,27 for 65mm)	10.00 20/07/2010	0.65 0800								
31.60-31.88 31.60-31.88	SPT S D 34	50 (7,14/24,26 for 55mm)	10.00	0.70								
32.40-32.71 32.40-32.71	SPT S D 35	50 (7,11/19,25,6 for 10mm)	10.00	0.70								
33.20-33.41 33.20-33.41	SPT S D 36	50 (14,11 for 35mm/ 34,16 for 25mm)	10.00	0.50								
34.00-34.19 34.00-34.19	SPT S D 37	50 (15,10 for 30mm/ 36,14 for 10mm)	10.00 20/07/2010	0.40 0.70								
34.80-34.99 34.80-34.99	SPT S D 38	50 (14,9 for 30mm/ 36,12 for 10mm)	10.00 21/07/2010	0.70 0800								
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 39.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_1 Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			10.00	1.10	Very dense greenish grey, locally yellowish grey, silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (CRAG DEPOSITS)			
35.60-35.80 35.60-35.80	SPT S D 39	50 (11,14 for 45mm/ 44,6 for 5mm)	10.00	0.00	Below 31.30m, becoming slightly silty.			
36.40-36.60 36.40-36.60	SPT S D 40	50 (12,13 for 40mm/ 37,13 for 10mm)	10.00	0.00				
37.20-37.35 37.20-37.35	SPT S D 41	50 (15 for 65mm/ 39,11 for 10mm)	10.00	0.00				
38.00-38.20 38.00-38.20	SPT S D 42	50 (13,12 for 25mm/ 35,15 for 25mm)	10.00	0.00				
			21/07/2010	1.10				
38.80-39.02 38.80-39.02	SPT S D 43	50 (8,13 for 45mm/ 35,15 for 25mm)	22/07/2010	0800				
			10.00	1.30				
39.60-39.78 39.60-39.78	SPT S D 44	50 (18,7 for 15mm/ 40,10 for 15mm)	10.00	0.00	Very dense greenish grey, locally yellowish grey, slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	39.30 -37.56		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 44.90 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_1 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/Thickness	Legend	Backfill/Instruments
40.40-40.59 40.40-40.59	SPT S D 45	50 (15,10 for 25mm/ 35,15 for 15mm)	10.00	0.00	Very dense greenish grey, locally yellowish grey, slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(5.60)		
41.20-41.42 41.20-41.42	SPT S D 46	50 (10,15 for 60mm/ 32,18 for 10mm)	10.00	0.00				
42.00-42.20 42.00-42.20	SPT S D 47	50 (14,11 for 45mm/ 41,9 for 5mm)	10.00	0.00				
42.80-43.01 42.80-43.01	SPT S D 48	50 (12,13 for 35mm/ 32,18 for 25mm)	10.00					
43.60-43.84 43.60-43.84	SPT S D 49	50 (13,12 for 40mm/ 27,23 for 50mm)	22/07/2010 10.00	0.50				
44.40-44.61 44.40-44.61	SPT S D 50	50 (12,13 for 40mm/ 33,17 for 20mm)	23/07/2010 10.00	0800 1.40				
						44.90	-43.16	
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 13/04/2011 09:37:49	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_1 Sheet 9 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.20-45.65 45.20-45.65	SPT S D 51	N=46 (3,6/8,11,15,12)	10.00	0.00	Very stiff dark grey and blueish grey CLAY with occasional thin laminae of silt. (LONDON CLAY - A3ii)	(0.75)		
			23/07/2010	10.00				
EXPLORATORY HOLE ENDS AT 45.65 m						45.65	-43.91	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 13/04/2011 09:37:52	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_1 Sheet 10 of 10
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT		Start 23/07/2010 End 30/07/2010		Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.		Depth from 0.00m to 10.00m		Diameter 198mm Casing Depth 10.00m		Ground Level Coordinates National Grid Chainage		
										+1.65 mOD E 647243.58 N 264230.09		
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10-0.60 0.10-0.60	D 1 B 2	0.00-1.20 m Hand excavated inspection pit. *			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND)					0.10 +1.55		
					Yellow brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm thinly laminated grey and brown clay. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete and flint. (MADE GROUND)					(0.50)		
0.70-1.20 0.70-1.20	D 3 B 4				Orangish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete, brick, flint, wood and polystyrene. Cobbles are angular to subangular of brick. (MADE GROUND)					0.60 +1.05		
					ROTARY OPEN HOLE DRILLING No samples recovered. Foreman reports sand, shells and peat. (Possible MADE GROUND / RECENT DEPOSITS)					(0.60)		
					Stratum continues to 10.00 m					1.20 +0.45		
Groundwater Entries		Depth sealed		Depth Related Remarks *		Chiselling		Time		Tools used		
No.	Struck (m)	Post strike behaviour	(m)	(m)	From	to (m)	Depths (m)					
1	1.10	-	-	-	0.10	0.30						
					1.20	10.00	Concrete and rebar present in western face of inspection pit.					
							No samples taken.					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited				Borehole SPT 2009_2 Sheet 1 of 10				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:40:01				AGS								

Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING No samples recovered. Foreman reports sand, shells and peat. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)		
			23/07/2010	9.00 0.40				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00-10.45 10.00-10.45	SPT S D 6	N=29 (2,4/6,6,8,9)	10.00 24/07/2010	0.00 0800	Dense greenish grey, locally orangish brown, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine of mixed lithologies including flint. (RECENT DEPOSITS)	10.00 -8.35		
10.80-11.25 10.80-11.25	SPT S D 7	N=38 (3,10/8,9,10,11)	10.80	0.00		(1.60)		
11.60-11.96 11.60-11.96	SPT S D 8	50 (9,12/15,18,17 for 60mm)	11.60	0.00		11.60 -9.95		
12.40-12.80 12.40-12.80	SPT S D 9	50 (5,6/12,14,16,8 for 25mm)	12.40	0.00	Very dense greenish grey silty fine to coarse SAND with occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)	(2.80)		
13.20-13.57 13.20-13.57	SPT S D 10	50 (4,8/15,17,18 for 70mm)	13.20	0.00				
14.00-14.41 14.00-14.41	SPT S D 11	50 (6,9/14,14,15,7 for 30mm)	14.00	0.00				
14.80-15.25 14.80-15.25	SPT S D 12	N=22 (1,2/3,5,6,8)	14.80	0.00	Very dense greenish grey silty fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)	14.40 -12.75		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.55 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
15.60-16.02 15.60-16.02	SPT S D 13	50 (3,6/12,12,16,10 for 40mm)	24/07/2010 15.60	0.75	Very dense greenish grey silty fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)	17.20-18.80 m brown			
			25/07/2010 15.60	0800 1.00					
16.40-16.83 16.40-16.83	SPT S D 14	50 (4,6/9,10,18,13 for 50mm)	16.40	0.00					
17.20-17.55 17.20-17.55	SPT S D 15	50 (4,12/14,20,16 for 45mm)	17.20	0.00					
18.00-18.33 18.00-18.33	SPT S D 16	50 (4,12/14,23,13 for 25mm)	18.00	0.00					
18.80-19.16 18.80-19.16	SPT S D 17	50 (8,13/13,18,19 for 60mm)	18.80	0.00					
19.60-19.89 19.60-19.89	SPT S D 18	50 (9,15/22,28 for 60mm)	19.60	0.00		(8.15)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.55 m				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
20.40-20.65 20.40-20.65	SPT S D 19	50 (7,17/28,22 for 25mm)	20.40	0.00	Very dense greenish grey silty fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)						
21.20-21.51 21.20-21.51	SPT S D 20	50 (4,7/18,28,4 for 5mm)	21.20	0.00							
22.00-22.31 22.00-22.31	SPT S D 21	50 (8,11/20,26,4 for 5mm)	25/07/2010 22.00 26/07/2010 22.00	0.00 1.23 0.80 1.23	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)	22.00-22.45 m slightly silty					
22.80-23.11 22.80-23.11	SPT S D 22	50 (7,12/20,24,6 for 5mm)	22.80	0.00							
23.60-23.90 23.60-23.90	SPT S D 23	37 (8,13/14,23 for 70mm)	23.60	0.00	Stratum continues to 42.70 m	22.55 -20.90					
24.40-24.71 24.40-24.71	SPT S D 24	50 (4,8/12,28,10 for 10mm)	24.40	0.00							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.70 m						

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)					
25.20-25.49 25.20-25.49	SPT S D 25	50 (6,12/22,28 for 65mm)	25.20	0.00	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)					
26.00-26.37 26.00-26.37	SPT S D 26	50 (5,9/13,12,25 for 70mm)	26.00	0.00						
26.80-27.11 26.80-27.11	SPT S D 27	50 (8,7/18,26,6 for 10mm)	26.80	0.00						
27.60-27.84 27.60-27.84	SPT S D 28	50 (9,14/30,20 for 15mm)	27.60	0.00						
28.40-28.69 28.40-28.69	SPT S D 29	50 (11,14 for 70mm/ 21,29 for 65mm)	28.40	0.00						
29.20-29.50 29.20-29.50	SPT S D 30	50 (8,12/26,24)	29.20	0.00						
			26/07/2010 30.00	1.30						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.70 m					

Groundwater Entries No. Struck (m) Post strike behaviour			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_2 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-30.24 30.00-30.24	SPT S D 31	50 (8,17 for 65mm/ 34,16 for 20mm)	30.00 27/07/2010	0.00 0800	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)	(20.15)		
30.80-31.09 30.80-31.09	SPT S D 32	50 (5,7/19,31 for 65mm)	30.80	0.00				
31.60-31.85 31.60-31.85	SPT S D 33	50 (11,14 for 60mm/ 28,22 for 40mm)	31.60	0.00				
32.40-32.69 32.40-32.69	SPT S D 34	50 (10,15 for 70mm/ 20,30 for 65mm)	32.40	0.00				
33.20-33.48 33.20-33.48	SPT S D 35	50 (10,15 for 65mm/ 22,28 for 60mm)	33.30	0.00				
34.00-34.29 34.00-34.29	SPT S D 36	50 (8,13/27,23 for 65mm)	34.00	0.00				
34.80-35.10 34.80-35.10	SPT S D 37	50 (9,12/25,24,1 for 0mm)	34.80	0.00				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_2 Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
35.60-35.84 35.60-35.84	SPT S D 38	50 (9,16 for 70mm/ 30,20 for 15mm)	35.60	0.00	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)			
			27/07/2010					
36.40-36.62 36.40-36.62	SPT S D 39	50 (10,15 for 50mm/ 37,13 for 15mm)	36.40	0.98				
			28/07/2010	0800				
			36.40	1.33				
37.20-37.46 37.20-37.46	SPT S D 40	50 (10,15/25,25 for 30mm)	37.20	0.00				
38.00-38.26 38.00-38.26	SPT S D 41	50 (9,15/26,24 for 35mm)	38.00	0.00				
38.80-39.06 38.80-39.06	SPT S D 42	50 (8,17 for 70mm/ 24,26 for 40mm)	38.80	0.00				
39.60-39.92 39.60-39.92	SPT S D 43	50 (9,10/18,22,10 for 15mm)	39.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.70 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
40.40-40.73 40.40-40.73	SPT S D 44	50 (7,15/30,20,- for 25mm)	40.40	0.00	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)			
41.20-41.48 41.20-41.48	SPT S D 45	50 (7,14/24,26 for 55mm)	41.20	0.00				
42.00-42.30 42.00-42.30	SPT S D 46	50 (10,14/23,27 for 70mm)	28/07/2010 42.00	1.40				
			29/07/2010 42.00	0.80 1.20				
42.80-43.25 42.80-43.25	SPT S D 47	N=33 (4,4/6,8,9,10)	42.80	0.00	Very stiff grey CLAY with occasional laminae of silt. (LONDON CLAY A3)	42.70 -41.05		
43.60-44.05 43.60-44.05	SPT S D 48	N=43 (3,5/7,11,11,14)	43.60	0.00	43.60-44.40 m slightly sandy	(2.95)		
44.40-44.85 44.40-44.85	SPT S D 49	N=35 (4,5/6,7,11,11)	44.40	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.65 m			

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
45.20-45.65 45.20-45.65	SPT S D 50	N=35 (3,5/8,8,10,9)	45.20	0.00	Very stiff grey CLAY with occasional laminae of silt. (LONDON CLAY A3)						
			29/07/2010	45.65		0.40					
EXPLORATORY HOLE ENDS AT 45.65 m						45.65	-44.00				

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.00-0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey SAND with frequent rootlets. (MADE GROUND)	0.10 +1.45			
0.30-0.50	B 3				Yellowish brown slightly gravelly SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.40 +1.15			
0.50-0.80					Yellowish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments and occasional pockets of firm orange brown clay. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	(0.60)			
0.80-1.00	D 2					1.00 +0.55			
1.00-1.20	B 4								
1.20-2.50	28 N/A N/A				Greyish brown slightly silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	(1.50)			
2.30-2.50		CS 29							
2.50-4.00	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports brown sand with occasional shell fragments. (Possible MADE GROUND / RECENT DEPOSITS)	2.50 -0.95			
4.00-5.50	0 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 9.75 m			

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)	Depth sealed (m) 0.00 10.00	Depth Related Remarks * Geobor S surface set 7 step bit.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.50-6.25	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports brown sand with occasional shell fragments. (Possible MADE GROUND / RECENT DEPOSITS)	(7.25)		
6.25-7.00	0 N/A N/A								
7.00-7.75	0 N/A N/A								
7.75-8.50	0 N/A N/A								
8.50-10.00	17 N/A N/A								
				02/08/2010 7.50	0.20	Plastic greyish brown clayey amorphous, locally pseudo-fibrous PEAT with occasional	9.75 -8.20		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 11.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 10.00 21.25 Geobor S Hexagonal pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.00-10.45			SPT S N=23 (2,3/5,6,6,6)	10.00	0.00	bands of light grey silty clay. Organic odour present. (Description based on SPT samples recovered) (RECENT DEPOSITS)	(1.75)		
10.00-10.45	0	N/A	D 5	03/08/2010	0825				
10.00-10.40	N/A								
10.40-11.50	18	N/A							
11.50-11.95			SPT S N=41 (3,3/7,8,12,14)	10.40	0.00	Very dense light brown, locally grey, silty SAND with occasional fine gravel size shell fragments. (Description based on SPT samples recovered) (CRAG DEPOSITS)	11.50	-9.95	
11.50-11.95	0	N/A	D 6						
11.50-12.25	N/A								
12.55-13.00	60	N/A	CS 30						
12.25-13.00	N/A								
13.00-13.44			SPT S 50 (3,5/7,12,16,15 for 60mm)	10.40	0.00	Stratum continues to 19.20 m			
13.00-13.44	0	N/A	D 7						
13.00-13.75	N/A								
13.75-14.50	0	N/A							
14.50-14.87			SPT S 50 (5,6/14,16,20 for 70mm)	10.40	0.00				
14.50-14.87	13	N/A	D 8						
14.50-15.25	N/A								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 10.00 21.25 Geobor S Hexagonal pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
15.25-16.00	0 N/A N/A					Very dense light brown, locally grey, silty SAND with occasional fine gravel size shell fragments. (Description based on SPT samples recovered) (CRAG DEPOSITS)	(7.70)				
16.00-16.34 16.00-16.34			SPT S 50 (8,12/19,19,12 for 40mm)	D 9 10.40	0.00						
16.00-16.75	0 N/A N/A										
16.75-17.50	0 N/A N/A			03/08/2010	1800						
17.50-17.79 17.50-17.79			SPT S 50 (8,13/19,31 for 60mm)	D 10 10.40	0.00		17.50-17.75 m Slightly gravelly. Gravel is subangular fine of flint				
17.50-18.25	0 N/A N/A			04/08/2010	0800						
18.25-19.00	0 N/A N/A										
19.00-19.30 19.00-19.30			SPT S 50 (8,12/23,27 for 70mm)	D 11 10.40	0.00						
19.00-19.75	67 N/A N/A						19.20 -17.65				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water		Stratum continues to 44.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
19.75-20.50	0 N/A N/A					Very dense greenish grey silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)			
20.50-20.80 20.50-20.80			SPT S 50 (8, 12/20, 30 for 70mm D 12)	10.40	0.00				
20.50-21.25	0 N/A N/A								
21.25-21.60			CS 31				21.25-22.45 m Greyish brown silty with rare shell fragments		
21.25-21.90	100 N/A N/A								
22.00-22.31 22.00-22.31			SPT S 50 (4, 14/23, 25, 2 for 5mm D 13)	10.40	0.00				
21.90-22.75	35 N/A N/A								
22.75-23.50	0 N/A N/A			04/08/2010	1800				
23.50-23.81 23.50-23.81			SPT S 50 (8, 12/21, 23, 6 for 5mm D 14)	10.40	0.00				
23.50-24.00	100 N/A N/A			05/08/2010	0800		23.70-23.80 m occasional laminae of sandy silt 23.80-24.00 m brownish grey horizon		
24.25-24.65			CS 32			24.65-24.80 m occasional laminae of sandy silt			
24.00-25.00	75 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 21.25 24.00 Geobor S Hexagonal extended pilot bit used. 24.00 45.50 Geobor S Surface set 7 step bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_3 Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Trol and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.00-25.35 25.00-25.35			SPT S 50 (8,6/ 14,20,16 for 45mm) D 15	10.40	0.00	Very dense greenish grey silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)			
25.00-25.75	47 N/A N/A								
25.75-26.50	0 N/A N/A								
26.50-26.87 26.50-26.87			SPT S 50 (9,10/ 13,16,21 for 70mm) D 16	10.40	0.00				
26.50-27.25	80 N/A N/A						26.90-26.95 m band of very stiff friable grey clay		
27.25-28.00	0 N/A N/A								
28.00-28.23 28.00-28.23 28.00-28.40			Flush: 10.40-45.50 Water/Mud, 100 % SPT S 50 (6,18/43,7 for 5mm D 17 CS 33	10.40	0.00		28.00-28.25 m locally weakly cemented		
28.00-28.75	100 N/A N/A								
28.75-29.50	100 N/A N/A						29.30 m less silty		
29.50-29.73 29.50-29.73			SPT S 50 (8,17 for 70mm/ 42,8 for 5mm) D 18	10.40	0.00				
29.50-30.25	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_3 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
				06/08/2010	1800	Very dense greenish grey silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)			
					0.64				
30.25-31.00	20 N/A N/A			10/08/2010	0800				
					1.00				
31.00-31.22 31.00-31.22			SPT S 50 (8,17 for 65mm/ 45,5 for 0mm)	15.00	0.00				
31.15-31.55			CS 34						
31.00-31.75	80 N/A N/A								
							(25.30)		
31.75-32.50	93 N/A N/A								
32.50-32.74 32.50-32.74			SPT S 50 (3,12/37,13 for 15mm/ D 20)	15.00	0.00		32.50-32.75 m locally weakly cemented		
32.50-33.25	0 N/A N/A								
33.25-34.00	0 N/A N/A								
34.00-34.18 34.00-34.18			SPT S 50 (21,4 for 15mm/ 35,15 for 10mm)	15.00	0.00		34.00 m slightly shelly		
34.00-34.75	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_3 Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
34.75-35.50	0 N/A N/A					Very dense greenish grey silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)			
35.50-35.78			SPT S 50 (3,6/24,26 for 50mm/ D 22)	15.00	0.00		35.50-35.80 m locally weakly cemented		
36.00-36.40			CS 35						
35.50-37.00	67 N/A N/A								
37.00-37.20			SPT S 50 (17,8 for 15mm/ D 23 28,22 for 35mm)	15.00	0.00				
37.00-38.50	100 N/A N/A								
38.10-38.50			CS 36						
38.50-38.73			SPT S 50 (6,9 for 70mm/ D 24 41,9 for 10mm)	15.00 11/08/2010	0.00 0800				
38.50-38.73					1.43				
38.50-40.00	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 12:10:38	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_3 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 10.00m 45.95m 146mm 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.00-40.21 40.00-40.21			SPT S 50 (16,9 for 10mm/ 28,22 for 50mm) D 25	15.00	dry	Very dense greenish grey silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)	40.00-40.20 m locally weakly cemented		
40.00-40.75	33 N/A N/A								
40.75-41.50	0 N/A N/A								
41.50-41.73 41.50-41.73			SPT S 53 (7,17/44,9 for 5mm/ D 26	15.00	dry				
41.50-42.25	40 N/A N/A								
42.25-43.00	0 N/A N/A								
43.00-43.25 43.00-43.25			SPT S 50 (11,14 for 55mm/ 30,20 for 40mm) D 27	15.00	dry				
43.00-43.75	0 N/A N/A								
43.75-44.50	93 N/A N/A								
44.50-44.95 44.50-44.95			SPT S N=31 (4,4/7,7,10) D 28	15.00	dry				
44.90-45.50			CS 37			44.50 -42.95			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 45.95 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 10.00m 45.95m 146mm 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
44.50-45.50	100 N/A N/A					Very stiff locally hard thinly laminated dark grey locally blueish grey CLAY. (LONDON CLAY)	(1.45)		
45.50-45.95 45.50-45.95			SPT S 50 (4,6/ 9,11,19,11 for 70mm)D 29A	15.00 11/08/2010	dry 1800 0.00				
						EXPLORATORY HOLE ENDS AT 45.95 m	45.95 -44.40		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
0.00-0.40	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey sandy subangular to rounded fine to medium GRAVEL of mixed lithologies including flint. Frequent rootlets. Sand is fine to coarse. (MADE GROUND)	(0.40)						
0.40-0.80	D 2				Grey slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)	0.40 +3.11						
0.80-1.20	D 3		22/08/2010	0.00	dry	Yellow gravelly fine to coarse SAND. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.80 +2.71					
			23/08/2010	0800	dry	ROTARY OPEN HOLE DRILLING. No sample recovered. Foreman reports sand, gravel and clay. (Possible MADE GROUND / RECENT DEPOSITS)	1.20 +2.31					
					Stratum continues to 10.00 m							

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary open hole drilling.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_4 Sheet 1 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No sample recovered. Foreman reports sand, gravel and clay. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)		
			23/08/2010					
			8.75	0.00				
			24/08/2010	0800				
			8.75	0.00				

Depth Type & No Records Date Casing Time Water	Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 12:38:18	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_4 Sheet 2 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
10.00-10.45 10.00-10.45	SPT S D 4	N=13 (2,2/2,3,4,4)	9.31	0.00	Plastic dark brown clayey, locally sandy, amorphous PEAT. (RECENT DEPOSITS)	10.00 -6.49			
10.80-11.25 10.80-11.25	SPT S D 5	N=18 (1,2/3,5,5,5)	9.31	0.00		(1.60)			
11.60-12.00 11.60-12.00	SPT S D 6	50 (3,5/10,15,12,13 for 20mm)	9.31	0.00		11.60 -8.09			
12.40-12.85 12.40-12.85	SPT S D 7	N=38 (8,10/9,9,10,10)	9.31	0.00	Very dense grey, locally brown, slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)				
13.20-13.53 13.20-13.53	SPT S D 8	50 (6,10/16,24,10 for 30mm)	9.31	0.00					13.20 m rare shell fragments
14.00-14.36 14.00-14.36	SPT S D 9	50 (5,10/17,17,16 for 60mm)	9.31	0.00					(5.60)
14.80-15.19 14.80-15.19	SPT S D 10	50 (5,9/13,14,19,4 for 10mm)	9.31	0.00					14.80 m rare shell fragments
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 17.20 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_4 Sheet 3 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.60-16.02 15.60-16.02	SPT S D 11	50 (3,5/11,16,15,8 for 40mm)	9.31	0.00	Very dense grey, locally brown, slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
16.40-16.76 16.40-16.76	SPT S D 12	50 (4,7/15,20,15 for 60mm)	9.31	0.00				
17.20-17.52 17.20-17.52	SPT S D 13	50 (6,13/19,22,9 for 20mm)	9.31	0.00		17.20 -13.69		
18.00-18.37 18.00-18.37	SPT S D 14	50 (4,8/15,16,19 for 70mm)	24/08/2010 9.31	0.80	Very dense greenish grey silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
			25/08/2010 9.31	0800 1.00				
18.80-19.11 18.80-19.10	SPT S D 15	53 (6,14/24,24,5 for 5mm)	9.31	0.00				
19.60-19.89 19.60-19.89	SPT S D 16	50 (7,16/26,24 for 60mm)	9.31	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 34.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.71 20.40-20.71	SPT S D 17	50 (5,14/20,26,4 for 5mm)	9.31	0.00	Very dense greenish grey silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' marks]	[Symbol: Diagonal lines]
21.20-21.50 21.20-21.50	SPT S D 18	50 (7,17/25,25 for 70mm)	9.31	0.00				
22.00-22.25 22.00-22.25	SPT S D 19	50 (8,17 for 70mm/ 35,15 for 25mm)	9.31	0.00				
22.80-23.11 22.80-23.11	SPT S D 20	50 (6,14/19,22,9 for 10mm)	9.31	0.00				
23.60-23.86 23.60-23.86	SPT S D 21	50 (8,16/32,18 for 35mm)	9.31	0.00				
24.40-24.62 24.40-24.62	SPT S D 22	50 (9,16 for 50mm/ 35,15 for 15mm)	9.31	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 34.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 12:38:26	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_4 Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
25.20-25.40 25.20-25.40	SPT S D 23	50 (8,17 for 50mm/50 for 70mm)	9.31	0.00	Very dense greenish grey silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(17.60)						
26.00-26.23 26.00-26.23	SPT S D 24	50 (8,15/44,6 for 5mm)	25/08/2010 9.31	0800 1.00								
26.80-27.05 26.80-27.05	SPT S D 25	50 (10,15 for 50mm/ 26,24 for 50mm)	9.31	0.00								
27.60-27.82 27.60-27.82	SPT S D 26	50 (9,16 for 60mm/ 43,7 for 5mm)	9.31	0.00								
28.40-28.66 28.40-28.66	SPT S D 27	50 (16,9 for 60mm/ 30,20 for 50mm)	9.31	0.00								
29.20-29.50 29.20-29.50	SPT S D 28	50 (4,9/15,32,3 for 0mm)	9.31	0.00								
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 34.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_4 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-30.29 30.00-30.29	SPT S D 29	50 (7,16/25,25 for 60mm)	9.31	0.00	Very dense greenish grey silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' marks]	[Symbol: Diagonal lines]
30.80-31.10 30.80-31.10	SPT S D 30	50 (6,11/15,35 for 70mm)	9.31	0.00				
31.60-31.94 31.60-31.94	SPT S D 31	50 (6,13/17,22,11 for 40mm)	9.31	0.00				
32.40-32.66 32.40-32.66	SPT S D 32	50 (5,16/25,25 for 30mm)	9.31	0.00				
33.20-33.48 33.20-33.48	SPT S D 33	50 (7,16/25,25 for 50mm)	9.31	0.00				
34.00-34.23 34.00-34.23	SPT S D 34	50 (7,18 for 70mm/ 30,20 for 10mm)	26/08/2010 9.31	0.80				
			27/08/2010 9.31	0800 1.40				
34.60-35.01	D 35							
34.80-35.01	SPT S	50 (12,13 for 30mm/ 34,16 for 25mm)	9.31	0.00	Very dense greenish grey slightly silty	34.80 -31.29	[Symbol: 'x' marks]	[Symbol: Diagonal lines]
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.60-35.80 35.60-35.80	SPT S D 36	40 (14, 11 for 20mm/ 34,6 for 30mm)	9.31	0.00	slightly gravelly fine to coarse SAND with occasional, locally frequent, fine to medium gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
			27/08/2010					
36.40-36.62 36.40-36.62	SPT S D 37	50 (12, 13 for 50mm/ 30,20 for 20mm)	9.31	1.00				
			31/08/2010	0800				
			9.31	3.00				
37.20-37.42 37.20-37.42	SPT S D 38	50 (9, 16 for 50mm/ 32,18 for 20mm)	9.31	0.00				
38.00-38.19 38.00-38.19	SPT S D 39	50 (12, 13 for 30mm/ 40,10 for 5mm)	9.31	0.00				
38.80-39.00 38.80-39.00	SPT S D 40	50 (12, 13 for 35mm/ 35,15 for 10mm)	9.31	0.00				
39.60-39.78 39.60-39.78	SPT S D 41	50 (20, 5 for 2mm/ 32,18 for 30mm)	9.31	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_4 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m	Diameter 198mm	Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.59 40.40-40.59	SPT S D 42	50 (14,11 for 30mm/ 36,14 for 10mm)	9.31	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional, locally frequent, fine to medium gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS) 40.40 m rare pockets of grey sandy silt	(12.80)		
41.20-41.41 41.20-41.41	SPT S D 43	50 (13,12 for 40mm/ 33,17 for 20mm)	9.31	0.00				
42.00-42.20 42.00-42.20	SPT S D 44	50 (14,11 for 30mm/ 35,15 for 20mm)	9.31	0.00				
42.80-43.00 42.80-43.00	SPT S D 45	50 (12,13 for 25mm/ 35,15 for 25mm)	31/08/2010 9.31	1.10				
43.60-43.78 43.60-43.78	SPT S D 46	50 (16,9 for 25mm/ 45,5 for 0mm)	01/09/2010 9.31	0800 3.00				
44.40-44.57 44.40-44.57	SPT S D 47	50 (18,7 for 10mm/ 32,18 for 10mm)	9.31	0.00				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole
Scale 1:25	Project No. A0012-10	SPT 2009_4
(c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 12:38:38	Carried out for NNB Generation Company Limited	Sheet 9 of 10

Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.20-45.47 45.20-45.47	SPT S D 48	50 (11,14 for 50mm/ 25,25 for 65mm)	9.31	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional, locally frequent, fine to medium gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
46.00-46.24 46.00-46.24	SPT S D 49	50 (10,15 for 70mm/ 37,13 for 20mm)	9.31	0.00				
46.80-47.00 46.80-47.00	SPT S D 50	50 (11,14 for 45mm/ 44,6 for 0mm)	9.31	0.00				
47.60-48.05 47.60-48.05	SPT S D 51	N=43 (5,7/9,10,10,14)	01/09/2010 9.31	2.80				
					Very stiff thinly laminated dark grey CLAY with rare very thin laminae of silt. (LONDON CLAY A3ii)	47.60 -44.09 (0.45)		
					EXPLORATORY HOLE ENDS AT 48.05 m	48.05 -44.54		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments			
0.00-0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey sandy GRAVEL of subangular to subrounded fine to medium of various lithologies including flint with frequent rootlets. (MADE GROUND)	(0.30)					
0.30-0.80	D 2				Grey slightly sandy GRAVEL of subangular to rounded fine to coarse of various lithologies including flint. (MADE GROUND)	0.30 +3.14 (0.50)					
0.80-1.20	D 3				Yellow gravelly fine to coarse SAND. Gravel is subangular to rounded fine to medium of various lithologies including flint. (Possible MADE GROUND)	0.80 +2.64 (0.40)					
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand and cobbles. (Possible MADE GROUND / RECENT DEPOSITS)	1.20 +2.24					
					Stratum continues to 10.00 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary Open Hole Drilling.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 12:39:10	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_5 Sheet 1 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests				Strata			Depth, Level/Thickness	Legend	Backfill/Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
			03/09/2010		ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand and cobbles. (Possible MADE GROUND / RECENT DEPOSITS)			(8.80)	
			06/09/2010	0800					
			5.65	0.00					
			5.65	0.20					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_5 Sheet 2 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.00-10.45 10.00-10.45	SPT S D 4	N=4 (1,1/1,1,1,1)	10.00	0.00	Grey slightly sandy slightly gravelly SILT. Gravel is angular to subangular fine of various lithologies including flint. (RECENT DEPOSITS)	10.00 -6.56 (0.80)		
10.80-11.25 10.80-11.25	SPT S D 5	N=15 (1,2/3,3,3,6)	10.32	0.00	Firm dark grey clayey amorphous PEAT. Organic odour present. (RECENT DEPOSITS)	10.80 -7.36		
11.60-12.05 11.60-12.05	SPT S D 6	N=12 (1,2/2,3,3,4)	10.32	0.00		(1.60)		
12.40-12.85 12.40-12.85	SPT S D 7	N=27 (1,3/4,6,8,9)	10.32	0.00	Medium dense becoming very dense light grey slightly silty gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine of various lithologies including flint. (CRAG DEPOSITS)	12.40 -8.96		
13.20-13.65 13.20-13.65	SPT S D 8	N=47 (3,4/9,9,14,15)	10.32	0.00				
14.00-14.38 14.00-14.38	SPT S D 9	50 (4,7/10,17,19,4 for 5mm)	10.32	0.00		(4.00)		
14.80-15.18 14.80-15.18	SPT S D 10	50 (4,8/9,18,21,2 for 0mm)	10.32	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 16.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) Depth sealed (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
15.60-16.02 15.60-16.02	SPT S D 11	50 (7,12/11,15,16.8 for 40mm)	06/09/2010 10.32	0.00	Medium dense becoming very dense light grey slightly silty gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine of various lithologies including flint. (CRAG DEPOSITS)	15.60	-12.96		
									15.60 m No shell fragments
16.40-16.85 16.40-16.85	SPT S D 12	N=36 (6,8/9,7,8,12)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)				
17.20-17.58 17.20-17.58	SPT S D 13	50 (5,8/12,15,20,3 for 5mm)	10.32	0.00	Stratum continues to 35.60 m				
18.00-18.34 18.00-18.34	SPT S D 14	50 (6,12/17,21,12 for 40mm)	10.32	0.00		18.00 m rare pockets of brown and grey sandy silt			
18.80-19.17 18.80-19.17	SPT S D 15	50 (5,8/12,18,20 for 65mm)	10.32	0.00					
19.60-19.97 19.60-19.97	SPT S D 16	50 (6,11/14,17,19 for 70mm)	10.32	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 35.60 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_5 Sheet 4 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.75 20.40-20.75	SPT S D 17	50 (6,11/18,20,12 for 50mm)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)			
21.20-21.50 21.20-21.50	SPT S D 18	50 (7,17/25,23,2 for 0mm)	10.32	0.00				
22.00-22.29 22.00-22.29	SPT S D 19	50 (8,17 for 70mm/ 25,25 for 65mm)	10.32	0.00				
22.80-23.07 22.80-23.07	SPT S D 20	50 (10,15 for 65mm/ 24,26 for 55mm)	10.32	0.00				
23.60-23.88 23.60-23.88	SPT S D 21	50 (11,14 for 65mm/ 25,25 for 60mm)	10.32	0.00				
24.40-24.60 24.40-24.60	SPT S D 22	50 (7,18 for 60mm/50 for 65mm)	10.32	0.00				
			07/09/2010 10.32	1.00				
			08/09/2010 10.32	0800 1.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 35.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 12:39:21	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_5 Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
25.20-25.45 25.20-25.45	SPT S D 23	50 (8,17/36,14 for 25mm)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS) 25.20 m occasional grey sandy silt pockets 25.20-26.80 m No shell fragments	(19.20)			
26.00-26.25 26.00-26.25	SPT S D 24	50 (6,17/35,15 for 25mm)	10.32	0.00					
26.80-27.04 26.80-27.04	SPT S D 25	50 (9,16 for 70mm/ 37,13 for 20mm)	10.32	0.00					
27.60-27.86 27.60-27.86	SPT S D 26	50 (8,15/32,18 for 35mm)	10.32	0.00					
28.40-28.76 28.40-28.76	SPT S D 27	50 (6,12/17,20,13 for 60mm)	10.32	0.00					28.40-31.60 m rare pockets of grey sandy silt
29.20-29.49 29.20-29.49	SPT S D 28	50 (6,13/30,20 for 65mm)	10.32	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 35.60 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-30.31 30.00-30.31	SPT S D 29	50 (7,14/22,22.6 for 5mm)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)			
30.80-31.10 30.80-31.10	SPT S D 30	50 (7,13/23,27 for 70mm)	10.32	0.00				
31.60-31.90 31.60-31.90	SPT S D 31	50 (6,14/22,28 for 70mm)	10.32	0.00				
32.40-32.69 32.40-32.69	SPT S D 32	50 (9,16 for 65mm/ 23,24,3 for 0mm)	10.32	0.00				
			08/09/2010 10.32	1.00				
			09/09/2010 10.32	0800 1.00				
33.20-33.48 33.20-33.48	SPT S D 33	50 (8,17 for 60mm/ 21,29 for 70mm)	10.32	0.00				
34.00-34.21 34.00-34.21	SPT S D 34	50 (12,13 for 35mm/ 35,15 for 20mm)	10.32	0.00				
34.80-35.03 34.80-35.03	SPT S D 35	50 (9,16 for 60mm/ 35,15 for 15mm)	10.32	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 35.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_5 Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.60-35.89 35.60-35.89	SPT S D 36	50 (10,13/24,26 for 60mm)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	35.60 -32.16		
36.40-36.70 36.40-36.70	SPT S D 37	50 (7,16/20,30 for 70mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)			
37.20-37.49 37.20-37.49	SPT S D 38	50 (11,14 for 70mm/ 28,22 for 70mm)	10.32	0.00				
38.00-38.30 38.00-38.30	SPT S D 39	50 (11,13/25,25 for 70mm)	10.32	0.00		(4.80)		
38.80-39.10 38.80-39.10	SPT S D 40	50 (6,14/23,27)	10.32	0.00				
39.60-39.91 39.60-39.91	SPT S D 41	50 (5,11/16,24,10 for 10mm)	10.32	0.00	39.60 m rare grey sandy silt pockets			
			09/09/2010 10.32	1.30				
			10/09/2010 10.32	0800 2.80				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_5 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.56 40.40-40.56	SPT S D 42	50 (17,8 for 10mm/ 43,7 for 0mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	40.40 -36.96		
41.20-41.42 41.20-41.42	SPT S D 43	50 (12,13 for 40mm/ 32,18 for 30mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	(1.60)		
			10/09/2010					
			10.32	1.20				
42.00-42.29 42.00-42.29	SPT S D 44	50 (14,11 for 40mm/ 18,22,10 for 20mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	42.00 -38.56		
			13/09/2010	0800				
			10.32	2.80				
42.80-43.02 42.80-43.02	SPT S D 45	50 (8,17 for 60mm/ 40,10 for 10mm)	10.32	0.00				
43.60-43.78 43.60-43.78	SPT S D 46	50 (10,15 for 20mm/ 41,9 for 10mm)	10.32	0.00				
44.40-44.60 44.40-44.60	SPT S D 47	50 (12,13 for 50mm/ 45,5 for 0mm)	10.32	0.00		(5.30)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.30 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_5 Sheet 9 of 10
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408.24 12/04/2011 12:39:33

Borehole Log



Soil Mechanics

Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.20-45.41 45.20-45.41	SPT S D 48	50 (11,14 for 40mm/ 33,17 for 20mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)			
46.00-46.22 46.00-46.22	SPT S D 49	50 (11,14 for 50mm/ 34,16 for 20mm)	10.32	0.00		46.00-47.30 m rare fine to medium shell fragments		
46.80-47.01 46.80	SPT S D 50	50 (12,13 for 40mm/ 32,18 for 20mm)	10.32	0.00				
47.60-48.05 47.60-48.05	SPT S D 51	N=36 (3,5/8,9,10,9)	10.32	0.00	Very stiff thinly laminated dark grey CLAY. (LONDON CLAY - A3i)	47.30 -43.86		
			13/09/2010			(0.75)		
			10.32	2.60	EXPLORATORY HOLE ENDS AT 48.05 m	48.05 -44.61		

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Greyish brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	(0.30)		
0.40	D 2				Yellow gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of various lithologies including flint. (Possibly MADE GROUND)	0.30 +3.13 (0.30)		
1.00	D 3		14/09/2010	0.00	Yellow slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of various lithologies including flint. (RECENT DEPOSITS)	0.60 +2.83 (0.60)		
			15/09/2010	0800 dry	ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand and gravel. (Possible RECENT DEPOSITS)	1.20 +2.23		
					Stratum continues to 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary Open Hole Drilling.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 12:40:03	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_6 Sheet 1 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand and gravel. (Possible RECENT DEPOSITS)	(8.80)		
			15/09/2010					
			8.20	1.30				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_6 Sheet 2 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
10.00-10.45 10.00-10.45	SPT S D 4	2 (1,1 for 150mm/1,1)	8.60 16/09/2010	0.00 0800	Very soft, becoming soft, grey thinly laminated silty CLAY. (RECENT DEPOSITS)	10.00 -6.57			
10.80-11.25 10.80-11.25	SPT S D 5	N=6 (1,1/1,1,2,2)	8.60	0.00		(2.00)			
11.60-12.05 11.60-12.05	SPT S D 6	N=7 (1,1/1,2,2,2)	8.60	0.00					
12.40-12.85 12.40-12.85	SPT S D 7	N=14 (1,2/3,3,4,4)	8.60	0.00	12.40 m band of very soft grey gravelly clay. Gravel is angular fine to medium of flint	12.00 -8.57			
13.20-13.65 13.20-13.65	SPT S D 8	N=21 (1,2/2,5,7,7)	8.60	0.00	Medium dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	13.20 -9.77			
14.00-14.45 14.00-14.45	SPT S D 9	N=38 (3,4/7,8,12,11)	8.60	0.00		(2.20)			
14.80-15.25 14.80-15.25	SPT S D 10	N=24 (2,3/3,7,6,8)	8.60	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 15.40 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.60-16.00 15.60-16.00	SPT S D 11	50 (4,9/11,15,15,9 for 20mm)	8.60	0.00	Medium dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	15.40 -11.97		
16.40-16.77 16.40-16.77	SPT S D 12	50 (5,9/16,20,14 for 65mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
17.20-17.50 17.20-17.50	SPT S D 13	50 (9,12/21,26,3 for 0mm)	8.60	0.00				
18.00-18.31 18.00-18.31	SPT S D 14	50 (6,7/19,23,8 for 10mm)	8.60	1.00	18.00 m rare soft brown clay pockets less than 10mm size	(4.60)		
18.80-19.10 18.80-19.10	SPT S D 15	50 (5,12/21,29 for 70mm)	8.60	0.00				
19.60-19.90 19.60-19.90	SPT S D 16	50 (8,17/25,25)	8.60	0.00				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.71 20.40-20.71	SPT S D 17	50 (6,13/20,27,3 for 5mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	20.00 -16.57	[Symbol: 'x' in a square]	[Symbol: Diagonal lines]
21.20-21.49 21.20-21.49	SPT S D 18	50 (9,15/21,29 for 60mm)	8.60	0.00				
22.00-22.30 22.00-22.30	SPT S D 19	50 (8,15/22,28 for 70mm)	8.60	0.00				
22.80-23.10 22.80-23.10	SPT S D 20	50 (9,15/21,28,1 for 0mm)	8.60	0.00				
23.60-23.90 23.60-23.90	SPT S D 21	50 (8,12/22,26,2 for 0mm)	17/09/2010 8.60	1.00				
24.40-24.69 24.40-24.69	SPT S D 22	50 (9,16/23,27 for 60mm)	18/09/2010 8.60	0800 1.10				
						(6.00)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 26.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 12:40:14	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_6 Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.20-25.42 25.20-25.42	SPT S D 23	50 (9,16 for 60mm/ 35,15 for 10mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
26.00-26.28 26.00-26.28	SPT S D 24	50 (7,16/29,21 for 50mm)	8.60	0.00	Very dense grey and greenish grey slightly gravelly slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. Rare bands of grey slightly sandy clayey silt present. Gravel is angular to subrounded fine of flint. (CRAG DEPOSITS)	26.00 -22.57		
26.80-27.00 26.80-27.00	SPT S D 25	50 (10,15 for 50mm/ 46,4 for 0mm)	8.60	0.00		(2.40)		
27.60-27.83 27.60-27.83	SPT S D 26	50 (13,12 for 50mm/ 32,18 for 30mm)	8.60	0.00				
28.40-28.66 28.40-28.66	SPT S D 27	50 (12,13 for 45mm/ 29,21 for 60mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	28.40 -24.97		
29.20-29.47 29.20-29.47	SPT S D 28	50 (7,17/29,21 for 40mm) Flush: 10.00-48.85 Water, 95 %	8.60	0.00				
			18/09/2010 8.60	1.30				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 31.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_6 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
30.00-30.23 30.00-30.23	SPT S D 29	50 (7, 17/45, 5 for 0mm)	8.60	0.00 19/09/2010 0800 8.60 1.20	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(3.20)					
						30.00 m slightly gravelly. Gravel is angular to rounded fine of flint					
30.80-31.08 30.80-31.08	SPT S D 30	50 (8, 16/29, 21 for 50mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)						
						30.80 m rare pockets of grey clayey silt					
31.60-31.90 31.60-31.90	SPT S D 31	50 (10, 13/20, 27, 3 for 0mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	31.60 -28.17					
32.40-32.70 32.40-32.70	SPT S D 32	50 (8, 14/20, 30 for 70mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)						
33.20-33.43 33.20-33.43	SPT S D 33	50 (12, 13 for 50mm/ 34, 16 for 30mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(3.20)					
34.00-34.19 34.00-34.19	SPT S D 34	50 (18, 7 for 20mm/ 33, 17 for 20mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)						
34.80-34.98 34.80-34.98	SPT S D 35	50 (14, 11 for 30mm/ 47, 3 for 0mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	34.80 -31.37					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 38.80 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.60-35.80 35.60-35.80	SPT S D 36	50 (14, 11 for 45mm/ 46,4 for 0mm)	8.60	0.00	silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(4.00)		
			19/09/2010					
			8.60	1.30				
36.40-36.60 36.40-36.60	SPT S D 37	50 (14, 11 for 40mm/ 40, 10 for 5mm)	8.60	1.30				
			20/09/2010	0800				
			8.60	2.10				
37.20-37.39 37.20-37.40	SPT S D 38	50 (18, 7 for 20mm/ 33, 17 for 20mm)	8.60	0.00				
38.00-38.18 38.00-38.20	SPT S D 39	50 (15, 10 for 30mm/ 50 for 70mm)	8.60	0.00				
38.80-38.97 38.80-39.00	SPT S D 40	50 (14, 11 for 20mm/ 50 for 70mm)	8.60	0.00	Very dense grey and greenish grey slightly silty slightly gravelly fine to medium SAND with rare fine to medium gravel size shell fragments. Gravel is angular subrounded fine of flint. (CRAG DEPOSITS)	38.80 -35.37		
39.60-39.79 39.60-39.80	SPT S D 41	50 (14, 11 for 25mm/ 38, 12 for 15mm)	8.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_6 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/Thickness	Legend	Backfill/Instruments
40.40-40.57 40.40-40.60	SPT S D 42	50 (20,5 for 10mm/ 42,8 for 10mm)	8.60	0.00	Very dense grey and greenish grey slightly silty slightly gravelly fine to medium SAND with rare fine to medium gravel size shell fragments. Gravel is angular subrounded fine of flint. (CRAG DEPOSITS)	(4.80)		
41.20-42.00	D 43							
41.70-41.93	SPT S	50 (13,12 for 50mm/ 33,17 for 25mm)	8.60	0.00				
42.00-42.26 42.00-42.20	SPT S D 44	50 (9,15/30,20 for 30mm)	8.60	0.00				
42.80-43.04 42.80-43.00	SPT S D 45	50 (10,15 for 70mm/ 34,16 for 15mm)	8.60	0.00				
43.60-43.84 43.60-43.80	SPT S D 46	50 (11,14 for 65mm/ 36,14 for 20mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	43.60 -40.17		
44.40-44.66 44.40-44.60	SPT S D 47	50 (14,11 for 50mm/ 23,27 for 60mm)	8.60	2.40		(1.40)		
			20/09/2010 8.60	2.40				
			21/09/2010 8.60	0800 2.80				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_6 Sheet 9 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.20-45.38 45.20-45.40	SPT S D 48	50 (12,13 for 30mm/ 50 for 70mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS) 46.00-47.00 m rare pockets of grey clayey silt	45.00 -41.57		
46.00-46.24 46.00-46.20	SPT S D 49	50 (7,16/38,12 for 15mm)	8.60	0.00		(3.20)		
46.80-47.00 46.80-47.00	SPT S D 50	50 (13,12 for 40mm/ 40,10 for 10mm)	8.60	0.00				
47.60-47.99 47.60-48.00	SPT S D 51	45 (9,16 for 20mm/ 12,11,11,11 for 70mm)	8.60	0.00				
48.40-48.85 48.40-48.80	SPT S D 52	N=33 (3,6/7,8,8,10)	8.60	0.00		48.20 -44.77		
			21/09/2010 8.60	0.00	Very stiff thinly laminated dark grey slightly sandy silty CLAY. Sand is fine. (LONDON CLAY A3ii)	(0.65)		
					EXPLORATORY HOLE ENDS AT 48.85 m	48.85 -45.42		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)	0.10 +3.05		
0.40	D 2				Light brown gravelly SAND. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)	(1.10)		
0.80	D 3		12/10/2010	dry				
1.20	D 4		13/10/2010	0800 dry				
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports gravelly sand. (Possible RECENT DEPOSITS)	1.20 +1.95		
					Stratum continues to 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports gravelly sand. (Possible RECENT DEPOSITS)	(8.80)		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/Thickness	Legend	Backfill/Instruments
10.00-10.45 10.00-10.45	SPT S D 5	N=20 (1,2/3,3,5,9)	8.15	0.00	Firm black slightly gravelly amorphous PEAT. Gravel is subrounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)	10.00 -6.85 (0.45)		
10.80-11.25 10.80-11.25	SPT S D 6	N=19 (2,2/2,3,6,8)	8.15	0.00	Medium dense to dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	10.45 -7.30 (1.60)		
11.60-12.05 11.60	SPT S D 7	N=37 (6,6/6,8,10,13)	13/10/2010 8.45	0.40				
11.60-12.05 11.60	SPT S D 7	N=37 (6,6/6,8,10,13)	14/10/2010 8.45	0800 0.40				
12.40-12.85 12.40-12.85	SPT S D 8	50 (4,9/10,9,13,18 for 70mm)	8.15	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	12.05 -8.90		
13.20-13.64 13.20-13.64	SPT S D 9	50 (3,7/9,11,15,15 for 60mm)	8.15	0.00				
14.00-14.45 14.00-14.45	SPT S D 10	N=30 (4,4/3,7,9,11)	8.15	0.00				
14.80-15.18 14.80-15.18	SPT S D 11	50 (4,5/8,18,24)	8.15	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 18.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_7 Sheet 3 of 10
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.60-15.94 15.60-15.94	SPT S D 12	50 (4,5/12,21,17 for 40mm)	14/10/2010 9.85	1.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(5.95)		
			15/10/2010	0800				
16.40-16.67 16.40-16.67	SPT S D 13	50 (9,16 for 65mm/ 28,22 for 55mm)	9.85	0.00	16.40-16.65 m Slightly gravelly. Gravel is subangular fine of flint			
17.20-17.45 17.20-17.45	SPT S D 14	50 (5,14/31,19 for 25mm)	9.85	0.00				
18.00-18.25 18.00-18.25	SPT S D 15	50 (8,15/25,25 for 25mm)	9.85	0.00	Very dense grey slightly silty slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine to medium of flint and mudstone. (CRAG DEPOSITS)	18.00 -14.85		
18.80-19.04 18.80-19.04	SPT S D 16	50 (9,16 for 65mm/ 23,27 for 25mm) Flush: 15.60-21.46 water mud, 100 %	9.85	0.00				
19.60-19.85 19.60-19.84	SPT S D 17	50 (10,15 for 70mm/ 15,35 for 25mm)	9.85	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 25.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_7 Sheet 4 of 10
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.73 20.40-20.73	SPT S D 18	50 (6,8/14,26,10 for 30mm)	9.85	0.00	Very dense grey slightly silty slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine to medium of flint and mudstone. (CRAG DEPOSITS)	(7.50)		
21.20-21.46 21.20-21.46	SPT S D 19	49 (6,14/22,27 for 35mm)	9.85 15/10/2010 9.85	0.00 0.00				
22.00-22.27 22.00-22.27	SPT S D 20	50 (5,16/28,22 for 40mm)	9.85	0.00				
22.80-23.08 22.80-23.25	SPT S D 21	50 (8,16/24,26 for 50mm)	9.85	0.00				
23.60-23.88 23.60-23.88	SPT S D 22	50 (9,17 for 65mm/ 27,23 for 60mm)	9.85	0.00				
24.40-24.63 24.40-24.63	SPT S D 23	50 (9,16 for 70mm/ 35,15 for 10mm)	9.85	0.00				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:06:01	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_7 Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
25.20-25.50 25.20-25.50	SPT S D 24	50 (9,16 for 70mm/20,30)	9.85	0.00	Very dense grey slightly silty slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine to medium of flint and mudstone. (CRAG DEPOSITS)	25.50 -22.35					
26.00-26.27 26.00-26.27	SPT S D 25	50 (8,17 for 70mm/ 25,25 for 45mm)	9.85	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)						
26.80-27.05 26.80-27.05	SPT S D 26	50 (7,18 for 70mm/ 35,15 for 30mm)	9.85	1.30							
			16/10/2010 9.85	0.00							
26.80-27.05 26.80-27.05	SPT S D 26	50 (7,18 for 70mm/ 35,15 for 30mm)	17/10/2010 9.85	0800 1.50							
27.60-27.85 27.60-27.85	SPT S D 27	50 (10,15 for 60mm/ 25,25 for 40mm)	9.85	0.00							
28.40-28.70 28.40-28.70	SPT S D 28	50 (7,13/20,30 for 70mm)	9.85	0.00							
29.20-29.54 29.20-29.54	SPT S D 29	50 (6,9/13,21,16 for 40mm)	9.85	0.00							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.80 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_7 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-30.27 30.00-30.27	SPT S D 30	50 (7,11/21,29 for 40mm)	9.85	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' marks]	[Symbol: Diagonal lines]
30.80-31.05 30.80-31.05	SPT S D 31	50 (12,13 for 50mm/ 25,25 for 45mm)	9.85	0.00				
		Flush: 21.46-41.20 water, 95 %						
31.60-31.76 31.60-31.76	SPT S D 32	50 (9,16 for 40mm/50 for 40mm)	9.85	0.00				
			17/10/2010					
			9.85	1.60				
32.40-32.70 32.40-32.70	SPT S D 33	50 (12,13 for 60mm/ 21,21,8 for 10mm)	9.85	0.00				
			18/10/2010	0800				
			9.85	1.80				
33.20-33.48 33.20-33.48	SPT S D 34	50 (14,11 for 50mm/25,25)	9.85	0.00				
34.00-34.28 34.00-34.28	SPT S D 35	50 (12,13 for 55mm/24,26)	9.85	0.00				
34.80-35.01 34.80-35.01	SPT S D 36	50 (15,10 for 20mm/ 32,18 for 40mm)	9.85	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_7 Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.60-35.88 35.60-35.88	SPT S D 37	50 (12,13 for 65mm/ 24,26 for 60mm)	9.85	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(22.30)	[Symbol: x]	[Symbol: /]
36.40-36.64 36.40-36.64	SPT S D 38	50 (13,12 for 40mm/ 30,20 for 50mm)	9.85	0.00				
37.20-37.49 37.20-37.49	SPT S D 39	50 (13,12 for 60mm/23,27)	9.85	0.00				
38.00-38.26 38.00-38.26	SPT S D 40	50 (14,11 for 50mm/ 25,25 for 60mm)	9.85	0.00				
38.80-39.04 38.80-39.35	SPT S D 41	50 (13,12 for 45mm/ 27,23 for 40mm)	9.85	0.00				
39.60-39.79 39.60-39.79	SPT S D 42	50 (15,10 for 30mm/ 30,20 for 10mm)	9.85	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.60 40.40-40.60	SPT S D 43	50 (14,11 for 30mm/ 28,22 for 20mm)	9.85	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
			18/10/2010					
41.20-41.59 41.20-41.59	SPT S D 44	50 (5,10/14,21,15,- for 15mm)	9.85	2.00				
			19/10/2010	0800				
			9.85	2.80				
42.00-42.27 42.00-42.27	SPT S D 45	50 (8,17 for 70mm/ 25,25 for 50mm)	9.85	0.00	42.00-42.25 m Frequent pockets of soft grey silty clay			
42.80-43.08 42.80-43.08	SPT S D 46	50 (10,15/22,28 for 50mm)	9.85	0.00				
43.60-43.90 43.60-43.88	SPT S D 47	50 (8,16/23,27 for 70mm)	9.85	0.00				
44.40-44.68 44.40-44.68	SPT S D 48	50 (9,16 for 65mm/ 25,25 for 60mm)	9.85	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:08:13	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_7 Sheet 9 of 10
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Borehole Log



Soil Mechanics

Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.20-45.46 45.20-45.46	SPT S D 49	50 (10,15 for 60mm/ 26,24 for 50mm)	9.85	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	45.20-45.45 m		
46.00-46.27 46.00-46.27	SPT S D 50	50 (10,15 for 65mm/ 30,20 for 50mm)	9.85	0.00		46.80-47.05 m		
46.80-47.06 46.80-47.06	SPT S D 51	50 (11,14 for 60mm/ 31,19 for 45mm)	9.85	0.00		47.80 -44.65		
47.60-48.05 47.60-48.05	SPT S D 52	N=46 (10,13/11,11,12,12)	9.85	0.00		(1.05)		
48.40-48.85 48.40-48.85	SPT S D 53	N=39 (5,7/8,10,10,11)	9.85	0.00	Stiff thinly laminated dark grey silty CLAY. (LONDON CLAY A3ii)	48.85 -45.70		
			19/10/2010 9.85	0.00		EXPLORATORY HOLE ENDS AT 48.85 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill/ Instruments
0.10-0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly SAND with frequent rootlets. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)	0.20 +3.12		
0.50	D 2				Yellow slightly gravelly SAND. Gravel is angular to rounded fine to medium of various lithologies including flint. (Possibly RECENT DEPOSITS)	(1.00)		
1.00	D 3				ROTARY OPEN HOLE DRILLING. No sample recovered. Foreman reports gravel. (Possible RECENT DEPOSITS)	1.20 +2.12		
					Stratum continues to 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No sample recovered. Foreman reports gravel. (Possible RECENT DEPOSITS)	(8.80)		
			22/09/2010	dry				
			23/09/2011	0800 dry				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
10.00-10.45 10.00-10.45	SPT S D 4	N=47 (3,6/9,11,13,14)	7.20	0.00	Dense greenish grey slightly silty, locally silty, slightly gravelly SAND with rare to occasional fine gravel size shell fragments. Gravel is angular to subangular fine of claystone. (CRAG DEPOSITS)	10.00 -6.68		
(1.25)								
10.80-11.25 10.80-11.25	SPT S D 5	N=46 (3,4/6,10,14,16)	7.20	0.00	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)	11.25 -7.93		
11.60-12.03 11.60-12.03	SPT S D 6	50 (5,4/10,11,17,12 for 50mm)	7.20	0.00				
12.40-12.81 12.40-12.81	SPT S D 7	50 (5,7/12,15,15,8 for 30mm)	7.20	0.00				
13.20-13.60 13.20-13.60	SPT S D 8	50 (6,9/13,14,17,6 for 20mm)	7.20	0.00	13.20-13.60 m Slightly gravelly of angular to subangular fine flint	(2.75)		
14.00-14.32 14.00-14.32	SPT S D 9	50 (5,9/11,17,22 for 15mm)	7.20	0.00	Very dense brown slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)	14.00 -10.68		
14.80-15.12 14.80-15.12	SPT S D 10	50 (5,9/18,25,7 for 15mm)	7.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 17.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_8 Sheet 3 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.60-15.95 15.60-15.95	SPT S D 11	50 (5,10/15,18,17 for 50mm)	7.20	0.00	Very dense brown slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)	(3.65)		
16.40-16.77 16.40-16.77	SPT S D 12	50 (3,8/13,19,18 for 70mm)	7.20	0.00				
17.20-17.56 17.20-17.56	SPT S D 13	50 (6,10/12,21,17 for 60mm)	7.20	0.00				
18.00-18.37 18.00-18.39	SPT S D 14	50 (6,12/20,19,11 for 65mm)	23/09/2011 7.20 24/09/2010 7.20	0.00 0.80 1.30				
18.80-19.08 18.80-19.08	SPT S D 15	50 (9,10/24,26 for 50mm)	7.20	0.00	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)	18.80 -15.48		
19.60-19.98 19.60-19.98	SPT S D 16	50 (4,10/13,16,18,3 for 5mm)	7.20	0.00	Very dense greenish grey slightly silty slightly gravelly SAND with rare to occasional fine gravel size shell fragments. Gravel is angular to subangular fine to medium of flint. (CRAG DEPOSITS)	(1.25)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_8 Sheet 4 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)				
20.40-20.76 20.40-20.76	SPT S D 17	50 (8,11/15,17,18 for 60mm)	7.20	0.00	Very dense greenish grey slightly silty slightly gravelly SAND with rare to occasional fine gravel size shell fragments. Gravel is angular to subangular fine to medium of flint. (CRAG DEPOSITS)	20.05 -16.73			
					Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)	20.40-21.65 m Occasional pockets of grey clayey silt			
21.20-21.49 21.20-21.49	SPT S D 18	50 (5,11/23,27 for 60mm)	7.20	0.00					
			24/09/2010 7.20	1.40					
			27/09/2010 7.20	0.800					
			7.20	1.50					
22.00-22.28 22.00-22.28	SPT S D 19	50 (4,11/27,23 for 50mm)	7.20	0.00					
22.80-23.06 22.80-23.06	SPT S D 20	50 (6,16/32,18 for 30mm)	7.20	0.00					
23.60-23.86 23.60-23.86	SPT S D 21	50 (7,18 for 65mm/ 33,17 for 40mm)	7.20	0.00		23.60-23.85 m Slightly gravelly of angular to subangular fine to medium flint			
		Flush: 7.10-41.20 water, 95 %							
24.40-24.68 24.40-24.68	SPT S D 22	50 (7,10/23,27 for 50mm)	7.20	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:06:56	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_8 Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.20-25.46 25.20-25.46	SPT S D 23	50 (8,15/25.25 for 30mm)	7.20	0.00	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)			
26.00-26.27 26.00-26.27	SPT S D 24	50 (8,17/24.26 for 40mm)	7.20	0.00				
26.80-27.00 26.80-27.00	SPT S D 25	50 (12,13 for 30mm/ 33,17 for 20mm)	7.20	0.00		26.80-27.85 m Slightly gravelly of angular to rounded fine flint		
27.60-27.87 27.60-27.87	SPT S D 26	50 (9,16 for 70mm/ 30,20 for 50mm)	27/09/2010 7.20	1.50				
			28/09/2010	0800				
			7.20	1.70				
28.40-28.64 28.40-28.64	SPT S D 27	50 (11,14 for 60mm/ 35,15 for 25mm)	7.20	0.00				
29.20-29.40 29.20-29.40	SPT S D 28	50 (15,10 for 40mm/ 45,5 for 5mm)	7.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:06:59	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_8 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-30.23 30.00-30.23	SPT S D 29	50 (14,11 for 40mm/ 30,20 for 40mm)	7.20	0.00	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' marks]	[Symbol: Diagonal lines]
30.80-31.05 30.80-31.05	SPT S D 30	50 (10,15 for 65mm/ 33,17 for 30mm)	7.20	0.00				
31.60-31.85 31.60-31.85	SPT S D 31	50 (12,13 for 50mm/ 26,24 for 45mm)	7.20	0.00				
32.40-32.64 32.40-32.64	SPT S D 32	50 (12,13 for 50mm/ 29,21 for 40mm)	7.20	0.00				
33.20-33.43 33.20-33.43	SPT S D 33	50 (13,12 for 65mm/ 35,15 for 25mm)	7.20	0.00				
34.00-34.26 34.00-34.26	SPT S D 34	50 (14,11 for 55mm/ 32,18 for 50mm)	7.20	0.00				
34.80-35.04 34.80-35.04	SPT S D 35	50 (11,14 for 60mm/ 29,21 for 25mm)	7.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:07:02	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_8 Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.60-35.81 35.60-35.81	SPT S D 36	50 (15,10 for 30mm/ 36,14 for 30mm)	28/09/2010 7.20	1.80	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)			
			29/09/2010	0800				
36.40-36.63 36.40-36.63	SPT S D 37	50 (17,8 for 25mm/ 29,21 for 50mm)	7.20	0.00				
37.20-37.43 37.20-37.43	SPT S D 38	50 (17,8 for 25mm/ 29,21 for 50mm)	7.20	0.00				
38.00-38.23 38.00-38.23	SPT S D 39	50 (13,12 for 40mm/ 30,20 for 40mm)	7.20	0.00				
38.80-39.00 38.80-39.00	SPT S D 40	50 (10,15 for 50mm/ 48,2 for 0mm)	7.20	0.00				
39.60-39.80 39.60-39.80	SPT S D 41	50 (11,14 for 50mm/ 50 for 70mm)	7.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_8 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.59 40.40-40.59	SPT S D 42	50 (12,13 for 40mm/ 45,5 for 0mm)	7.20	0.00	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)			
			29/09/2010					
			7.20	1.80				
41.20-41.47 41.20-41.47	SPT S D 43	50 (12,13 for 40mm/50,-)	7.20	0.00				
			30/09/2010	0800				
			7.20	2.00				
42.00-42.22 42.00-42.22	SPT S D 44	50 (9,16 for 50mm/ 34,16 for 20mm)	7.20	0.00				
42.80-43.02 42.80-43.02	SPT S D 45	50 (9,16 for 70mm/ 45,5 for 0mm)	7.20	0.00				
43.60-43.82 43.60-43.82	SPT S D 46	50 (11,14 for 60mm/ 38,12 for 10mm)	7.20	0.00				
44.40-44.67 44.40-44.67	SPT S D 47	50 (10,15 for 70mm/ 27,23 for 50mm)	7.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:07:08	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_8 Sheet 9 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.20-45.45 45.20-45.45	SPT S D 48	50 (11,14 for 50mm/ 28,22 for 45mm)	7.20	0.00	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)			
46.00-46.21 46.00-46.21	SPT S D 49	50 (13,12 for 45mm/ 35,15 for 10mm)	7.20	0.00				
46.80-46.99 46.80-46.99	SPT S D 50	50 (14,11 for 30mm/ 36,14 for 10mm)	7.20	0.00				
47.60-47.90 47.60-47.90	SPT S D 51	50 (8,16/19,31)	7.20	0.00				
			30/09/2010	7.20	2.00			
			01/10/2010	0800				
			7.20	2.80				
48.40-48.76 48.40-48.76	SPT S D 52	50 (9,15/30,11,9 for 60mm)	7.20	0.00	Very stiff dark grey CLAY. (LONDON CLAY A3ii)	48.40 -45.08		
						(1.25)		
49.20-49.65 49.20-49.65	SPT S D 53	N=40 (4,7/9,9,10,12)	7.20	0.00				
			01/10/2010	7.20	0.00			
					EXPLORATORY HOLE ENDS AT 49.65 m	49.65 -46.33		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m	Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests				Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Greyish brown SAND with frequent rootlets. (MADE GROUND)	0.20 +3.24		
0.50	D 2		Grey slightly silty SAND. (RECENT DEPOSITS)	0.40 +3.04				
1.00	D 3		Yellow SAND. (RECENT DEPOSITS)	(0.80)				
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports SAND and GRAVEL. (Possible RECENT DEPOSITS)	1.20 +2.24		
					1.20-2.65 m Foreman reports cobbles			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports SAND and GRAVEL. (Possible RECENT DEPOSITS)	(8.80)		
			02/10/2010					
			7.95	0.00				
			03/10/2010	0800				
			7.95	0.00				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT		Start 02/10/2010 End 12/10/2010		Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.		Depth from 0.00m 9.54m		to 9.54m 49.65m		Diameter 198mm 131mm		Casing Depth 9.54m		Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80									
Samples and Tests										Strata				Chainage									
Depth		Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)						Depth, Level/ Thickness		Legend	Backfill/ Instruments								
10.00-10.34 10.00-10.34		SPT S D 4	50 (13,11/13,23,14 for 35mm)	9.54	0.00	Very dense orangish brown silty locally slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)						10.00 -6.56											
10.80-11.17 10.80-11.17		SPT S D 5	50 (8,9/12,18,20 for 70mm)	03/10/2010 9.54	0.40																		
11.60-12.01 11.60-12.00		SPT S D 6	50 (5,9/12,15,15,8 for 30mm)	9.54	0.00																		
12.40-12.70 12.40-12.70		SPT S D 7	50 (5,13/22,27,1 for 0mm)	9.54	0.00																		
13.20-13.50 13.20-13.50		SPT S D 8	50 (3,11/19,29,2 for 1mm)	9.54	0.00							13.20-13.50 m Gravel includes claystone											
14.00-14.38 14.00-14.38		SPT S D 9	50 (3,7/11,15,23,1 for 0mm)	9.54	0.00							14.00-14.40 m Occasional pockets of orange brown clayey silt.				(8.00)							
14.80-15.19 14.80-15.19		SPT S D 10	50 (5,9/12,14,15,9 for 10mm)	9.54	0.00																		
Depth		Type & No	Records	Date Casing	Time Water							Stratum continues to 18.00 m											
Groundwater Entries No. Struck Post strike behaviour (m)				Depth sealed (m)								Depth Related Remarks * From to (m)						Chiselling Depths (m) Time Tools used					
None observed (see Key Sheet)																							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE			Borehole SPT 2009_9						Sheet 3 of 10											
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:07:44			Project No. A0012-10			Carried out for NNB Generation Company Limited																	

Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.60-15.98 15.60-15.98	SPT S D 11	50 (4,9/13,17,17,3 for 5mm)	9.54	0.00	Very dense orangish brown silty locally slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
16.40-16.75 16.40-16.75	SPT S D 12	50 (5,8/16,21,13 for 45mm)	9.54	0.00				
17.20-17.51 17.20-17.51	SPT S D 13	50 (5,11/18,26,6 for 10mm)	9.54	0.00				
18.00-18.35 18.00-18.35	SPT S D 14	50 (4,6/14,19,17 for 50mm)	9.54	0.00		18.00 -14.56		
18.80-19.15 18.80-19.15	SPT S D 15	50 (5,11/15,24,11 for 45mm)	9.54	0.00				
19.60-19.96 19.60-19.96	SPT S D 16	50 (3,10/17,19,14 for 55mm)	04/10/2010 9.54 05/10/2010 9.54	1.00 0.00 0800 1.00	Very dense orangish brown silty SAND with occasional to frequent fine gravel size shell fragments. (CRAG DEPOSITS)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 26.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_9 Sheet 4 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/Thickness	Legend	Backfill/Instruments
20.40-20.70 20.40-20.70	SPT S D 17	50 (5,16/23,27 for 70mm)	9.54	0.00	Very dense orangish brown silty SAND with occasional to frequent fine gravel size shell fragments. (CRAG DEPOSITS)	(8.00)		
21.20-21.45 21.20-21.45	SPT S D 18	50 (6,18/33,17 for 25mm)	9.54	0.00				
22.00-22.28 22.00-22.28	SPT S D 19	50 (7,18/25,25 for 50mm)	9.54	0.00				
22.80-23.11 22.80-23.11	SPT S D 20	50 (8,13/20,25,5 for 5mm)	9.54	0.00				
23.60-23.90 23.60-23.90	SPT S D 21	50 (5,11/19,31)	9.54	0.00				
24.40-24.70 24.40-24.70	SPT S D 22	50 (7,16/24,26 for 70mm)	9.54	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 26.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.20-25.50 25.20-25.50	SPT S D 23	50 (8,14/25.25 for 70mm)	9.54	0.00	Very dense orangish brown silty SAND with occasional to frequent fine gravel size shell fragments. (CRAG DEPOSITS)			
26.00-26.24 26.00-26.24	SPT S D 24	50 (9,16 for 65mm/ 20,30 for 20mm)	9.54	0.00				
26.80-27.12 26.80-27.12	SPT S D 25	50 (10,15/19,20,11 for 20mm)	9.54	0.00	Very dense grey slightly silty slightly gravelly SAND with occasional to frequent fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	26.00 -22.56		
			05/10/2010 9.54	1.20				
			06/10/2010 9.54	0800 1.40				
27.60-27.88 27.60-27.88	SPT S D 26	50 (13,12 for 60mm/ 23,27 for 70mm)	9.54	0.00				
28.40-28.63 28.40-28.63	SPT S D 27	50 (9,16 for 65mm/ 39,11 for 10mm)	9.54	0.00				
29.20-29.45 29.20-29.45	SPT S D 28	50 (8,17/28,22 for 20mm)	9.54	0.00				
		Flush: 10.00-49.20 water, 95 %						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_9 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)					
30.00-30.30 30.00-30.30	SPT S D 29	50 (9,16 for 70mm/ 21,28,1 for 0mm)	9.54	0.00	Very dense grey slightly silty slightly gravelly SAND with occasional to frequent fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	30.00-30.30 m Locally weakly cemented				
30.80-31.05 30.80-31.05	SPT S D 30	50 (10,15 for 50mm/ 30,20 for 50mm)	9.54	0.00						
31.60-31.87 31.60-31.87	SPT S D 31	50 (7,16/26,24 for 45mm)	9.54	0.00						
32.40-32.67 32.40-32.67	SPT S D 32	50 (9,16 for 65mm/ 28,22 for 50mm)	9.54	0.00		32.40-33.35 m Rare pockets of grey clayey silt				
33.20-33.44 33.20-33.44	SPT S D 33	50 (12,13 for 60mm/ 34,16 for 30mm)	9.54	0.00						
34.00-34.25 34.00-34.25	SPT S D 34	41 (10,15 for 60mm/ 23,18 for 40mm)	9.54	0.00						
34.80-35.10 34.80-35.10	SPT S D 35	50 (9,16/22,28 for 70mm)	9.54	0.00						
			06/10/2010		Stratum continues to 48.40 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_9 Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			9.54	1.50	Very dense grey slightly silty slightly gravelly SAND with occasional to frequent fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	(22.40)		
			07/10/2010	0800				
			9.54	1.80				
35.60-35.91 35.60-35.91	SPT S D 36	50 (11,14/18,24,8 for 10mm)	9.54	0.00				
36.40-36.62 36.40-36.62	SPT S D 37	50 (9,16 for 60mm/ 41,9 for 5mm)	9.54	0.00				
37.20-37.41 37.20-38.90	SPT S D 38	50 (12,13 for 50mm/ 42,8 for 5mm)	9.54	0.00				
38.00-38.25 38.00-38.25	SPT S D 39	50 (12,13 for 50mm/ 32,18 for 50mm)	9.54	0.00				
38.60-39.93	D 41							
38.80-39.05 38.80-39.05	SPT S D 40	50 (9,16 for 60mm/ 30,20 for 40mm)	9.54	0.00				
39.66-39.93	SPT S	50 (11,14 for 70mm/ 28,22 for 50mm)	9.54	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:07:59	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_9 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.69 40.40-40.69	SPT S D 42	50 (13,14 for 60mm/ 20,28,2 for 0mm)	9.54	0.00	Very dense grey slightly silty slightly gravelly SAND with occasional to frequent fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
41.20-41.41 41.20-41.41	SPT S D 43	50 (14,11 for 30mm/ 36,14 for 25mm)	9.54	0.00				
42.00-42.34 42.00-42.34	SPT S D 44	50 (11,14 for 70mm/ 17,21,12 for 40mm)	9.54	0.00				
			07/10/2010					
			9.54	2.00				
			08/10/2010	0800				
			9.54	2.00				
42.80-43.01 42.80-43.01	SPT S D 45	50 (11,14 for 50mm/ 35,15 for 10mm)	9.54	0.00				
43.60-43.80 43.60-43.80	SPT S D 46	50 (12,13 for 40mm/ 37,13 for 10mm)	9.54	0.00				
			08/10/2010					
			9.54	2.00				
44.40-44.67 44.40-44.67	SPT S D 47	50 (8,17 for 70mm/ 28,22 for 50mm)	9.54	0.00				
			11/10/2010	0800				
			9.54	3.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:08:02	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_9 Sheet 9 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
45.20-45.43 45.20-45.43	SPT S D 48	50 (22,3 for 5mm/ 23,27 for 70mm)	9.54	0.00	Very dense grey slightly silty slightly gravelly SAND with occasional to frequent fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
46.00-46.28 46.00-46.28	SPT S D 49	50 (8,17 for 70mm/ 23,27 for 60mm)	9.54	0.00				
46.80-47.05 46.80-47.05	SPT S D 50	50 (12,13 for 50mm/ 27,23 for 50mm)	9.54	0.00				
47.60-47.86 47.60-47.86	SPT S D 51	50 (9,16 for 60mm/ 27,23 for 50mm)	9.54	0.00				
48.40-48.85 48.60-48.85	SPT S D 52	N=36 (5,6/6,7,11,12)	9.54	0.00		Very stiff brown slightly sandy CLAY. (LONDON CLAY A3ii)		
49.20-49.65 49.20-49.65	SPT S D 53	N=37 (4,6/7,9,10,11)	9.54	0.00				
			11/10/2010 9.54	3.00		49.65 -46.21		
					EXPLORATORY HOLE ENDS AT 49.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments
0.00-0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown clayey gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	0.20 +1.54		
0.20-0.50	B 2					0.20-0.40 m Dark grey staining		
0.20-0.50	D 3							
0.80-0.95	B 4	0.80-0.95			Yellowish brown silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.95 +0.79		
0.80-0.95	D 5					0.95 m Concrete		
					Sand, cobbles, cement. (Foreman's description) (MADE GROUND)	1.20 +0.54		
					ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)		
			20/07/2010	1.00				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 2 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.00-10.45 10.00-10.45	SPT S D 6	N=6 (1,1/1,1,2,2)	9.30 21/07/2010	0.00 0800	Plastic dark brown and black slightly clayey amorphous locally pseudo-fibrous PEAT. (RECENT DEPOSITS)	10.00 -8.26		
			2.90	1.00		(0.80)		
10.80-11.25 10.80-11.25	SPT S D 7	N=33 (3,3/7,7,9,10)	9.30	0.00	Dense grey silty slightly gravelly fine to coarse SAND. Gravel is subangular fine to medium of flint. (CRAG DEPOSITS)	10.80 -9.06		
					(0.80)			
11.60-12.05 11.60-12.05	SPT S D 8	N=32 (3,5/6,8,8,10)	9.30	0.00	Very dense, locally dense, grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	11.60 -9.86		
12.40-12.84 12.40-12.84	SPT S D 9	50 (4,8/11,14,15,10 for 60mm)	9.30	0.00				
13.20-13.65 13.20-13.65	SPT S D 10	N=28 (3,2/7,7,7,7)	9.30	0.00				
14.00-14.30 14.00-14.30	SPT S D 11	30 (4,9/13,16,1 for 0mm)	9.30	0.00				
14.80-15.11 14.80-15.11	SPT S D 12	50 (4,8/13,18,19 for 10mm)	9.30	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 24.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:28:11	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 3 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.60-16.01 15.60-16.01	SPT S D 13	50 (3,8/13,14,15,8 for 35mm)	9.30	0.50	Very dense, locally dense, grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	(12.50)		
			21/07/2010					
16.40-16.84 16.40-16.84	SPT S D 14	50 (4,6/9,13,15,13 for 65mm)	9.30	1.50				
			22/07/2010	0800				
			9.30	1.30				
17.20-17.57 17.20-17.57	SPT S D 15	50 (4,9/15,17,18 for 74mm)	9.30	0.00				
18.00-18.34 18.00-18.34	SPT S D 16	50 (4,10/16,20,14 for 40mm)	9.30	0.00				
18.80-19.10 18.80-19.10	SPT S D 17	50 (4,11/18,30,2 for 0mm)	9.30	0.00				
19.60-19.86 19.60-19.86	SPT S D 18	50 (7,18/29,21 for 30mm)	9.30	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 24.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 4 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.65 20.40-20.65	SPT S D 19	50 (8,16/29,21 for 25mm)	9.30	0.00	Very dense, locally dense, grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)			
21.20-21.46 21.20-21.46	SPT S D 20	50 (10,15 for 55mm/ 34,16 for 55mm)	9.30	0.00				
22.00-22.20 22.00-22.20	SPT S D 21	50 (12,13 for 45mm/50)	9.30	0.00				
22.80-23.07 22.80-23.07	SPT S D 22	50 (10,15 for 65mm/ 31,19 for 50mm)	9.30	0.00				
23.60-23.85 23.60-23.85	SPT S D 23	50 (6,18/37,13 for 20mm)	22/07/2010 9.30 23/07/2010 0800 9.30 1.40	1.00				
24.40-24.65 24.40-24.65	SPT S D 24	50 (9,16 for 50mm/ 30,20 for 45mm)	9.30	0.00	Very dense greenish grey slightly silty gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional laminae of soft to firm silty clay. (CRAG DEPOSITS)	24.10 -22.36		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 35.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:28:17	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 5 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.20-25.42 25.20-25.42	SPT S D 25	50 (5,20 for 70mm/50 for 70mm)	9.30	0.00	Very dense greenish grey slightly silty gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional laminae of soft to firm silty clay. (CRAG DEPOSITS)			
26.00-26.24 26.00-26.24	SPT S D 26	50 (5,20/35,15 for 15mm)	9.30	0.00				
26.80-27.04 26.80-27.04	SPT S D 27	50 (8,17 for 65mm/ 31,19 for 25mm)	9.30	0.00				
27.60-27.84 27.60-27.84	SPT S D 28	49 (7,16/32,17 for 15mm)	9.30	0.00				
28.40-28.60 28.40-28.60	SPT S D 29	50 (8,17 for 40mm/ 33,17 for 10mm)	9.30	0.00				
29.20-29.45 29.20-29.45	SPT S D 30	50 (7,18/33,17 for 20mm)	9.30	0.00				
						(11.50)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 35.60 m			

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 6 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
30.00-30.28 30.00-30.28	SPT S D 31	50 (7,15/22,28 for 50mm)	9.30	0.00	Very dense greenish grey slightly silty gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional laminae of soft to firm silty clay. (CRAG DEPOSITS)			
			23/07/2010					
30.80-31.05 30.80-31.05	SPT S D 32	50 (6,15/34,16 for 25mm)	9.30	1.00				
			24/07/2010	0800				
			9.30	1.40				
31.60-31.79 31.60-31.79	SPT S D 33	50 (12,13 for 40mm/ 44,6 for 0mm)	9.30	0.00				
32.40-32.59 32.40-32.59	SPT S D 34	50 (11,14 for 25mm/ 35,15 for 15mm)	9.30	0.00				
33.20-33.40 33.20-33.40	SPT S D 35	50 (12,13 for 30mm/ 36,14 for 15mm)	9.30	0.00				
34.00-34.24 34.00-34.24	SPT S D 36	53 (11,14 for 60mm/ 33,17 for 30mm)	9.30	0.00				
34.80-35.01 34.80-35.01	SPT S D 37	50 (12,13 for 35mm/ 37,13 for 25mm)	9.30	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 35.60 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 7 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.60-35.82 35.60-35.82	SPT S D 38	50 (10, 15 for 50mm/ 32, 18 for 20mm)	24/07/2010 9.30	1.50	Very dense greenish grey slightly silty gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional laminae of soft to firm silty clay. (CRAG DEPOSITS)	35.60 -33.86		
			25/07/2010 9.30	0800 1.25	Very dense grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)			
36.40-36.75 36.40-36.75	SPT S D 39	50 (10, 15/18, 18, 14 for 50mm)	9.30	0.00				
37.20-37.46 37.20-37.46	SPT S D 40	50 (9, 16 for 70mm/ 27, 23 for 40mm)	9.30	0.00				
38.00-38.23 38.00-38.23	SPT S D 41	50 (8, 17 for 60mm/ 33, 17 for 20mm)	9.30	0.00				
38.80-39.00 38.80-39.00	SPT S D 42	50 (10, 15 for 20mm/ 32, 18 for 25mm)	9.30	0.00				
39.60-39.79 39.60-39.79	SPT S D 43	50 (15, 10 for 25mm/ 37, 13 for 15mm)	9.30	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 44.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.58 40.40-40.58	SPT S D 44	55 (14,11 for 20mm/ 47,8 for 5mm)	25/07/2010 9.30	1.05	Very dense grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	(9.10)		
			26/07/2010 9.30	0800 1.50				
41.20-41.37 41.20-41.37	SPT S D 45	50 (16,9 for 15mm/ 35,15 for 5mm)	9.30	0.00				
42.00-42.21 42.00-42.21	SPT S D 46	50 (11,14 for 30mm/ 34,16 for 25mm)	9.30	0.00				
42.80-43.08 42.80-43.08	SPT S D 47	69 (13,12 for 30mm/ 31,19,19 for 25mm)	9.30	0.00				
43.60-43.82 43.60-43.82	SPT S D 48	50 (9,16 for 60mm/ 38,12 for 5mm)	9.30	0.00				
44.40-44.59 44.40-44.59	SPT S D 49	50 (11,14 for 35mm/ 46,4 for 0mm)	9.30	0.00				
					Very stiff grey silty CLAY with occasional laminae of silt. (LONDON CLAY A3ii)	44.70 -42.96		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 9 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
45.20-45.59 45.20-45.65	SPT S D 50	50 (7,9,11,12,13,14 for 10mm)	26/07/2010	9.30	1.50	Very stiff grey silty CLAY with occasional laminae of silt. (LONDON CLAY A3ii)	(0.95)			
EXPLORATORY HOLE ENDS AT 45.65 m						45.65	-43.91			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_10 Sheet 10 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments
0.10-0.30 0.10-0.30	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.81		
0.30-1.00 0.30-1.00	D 3 B 4				Yellowish brown gravelly fine to coarse SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)	(1.00)		
1.10-1.20	D 5				Brownish grey slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND)	1.10 +0.81 1.20 +0.71		
					ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)			
					Stratum continues to 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)		

Depth Type & No Records Date Casing Time Water	Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_11 Sheet 2 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.00-10.45 10.00-10.45	SPT S D 6	N=18 (3,4/6,6,3,3)	5.70	0.00	Dense, locally very dense, light brown slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular fine to medium of mixed lithologies including flint and quartz. (CRAG DEPOSITS)	10.00 -8.09		
10.80-11.25 10.80-11.25	SPT S D 7	N=50 (6,7/10,13,14,13)	5.70	0.00				
11.60-12.05 11.60-12.05	SPT S D 8	N=35 (4,8/6,8,9,12)	5.70	0.00				
12.40-12.85 12.40-12.85	SPT S D 9	N=33 (3,3/6,8,8,11)	5.70	0.00				
13.20-13.65 13.20-13.65	SPT S D 10	N=37 (3,4/4,8,11,14)	5.70	0.00				
14.00-14.44 14.00-14.44	SPT S D 11	50 (3,8/11,13,16,10 for 65mm)	5.70	0.00				
14.80-15.25 14.80-15.25	SPT S D 12	N=38 (3,5/8,8,10,12)	28/07/2010 5.70	0.80		(5.43)		
			29/07/2010	0800				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 15.43 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_11 Sheet 3 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			5.70	1.00	Dense, locally very dense, light brown slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular fine to medium of mixed lithologies including flint and quartz. (CRAG DEPOSITS)	15.43 -13.52		
15.60-16.05 15.60-16.05	SPT S D 13	50 (2,6/6,14,16,14 for 70mm)	5.70	0.00	Very dense grey and light brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
16.40-16.80 16.40-16.80	SPT S D 14	50 (4,8/12,14,16,8 for 25mm)	5.70	0.00				
17.20-17.59 17.20-17.59	SPT S D 15	50 (6,6/12,17,16,5 for 10mm)	5.70	0.00				
18.00-18.38 18.00-18.38	SPT S D 16	48 (6,13/18,24,6,- for 5mm)	5.70	0.00				
18.80-19.10 18.80-19.10	SPT S D 17	50 (4,12/21,29 for 70mm)	5.70	0.00		(7.10)		
19.60-19.90 19.60-19.90	SPT S D 18	50 (8,15/23,27 for 70mm)	5.70	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.53 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.64 20.40-20.64	SPT S D 19	50 (8,17 for 70mm/ 34,16 for 15mm)	5.70	0.00	Very dense grey and light brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
21.20-21.42 21.20-21.42	SPT S D 20	50 (8,17 for 60mm/ 38,12 for 10mm)	5.70	0.00				
22.00-22.25 22.00-22.25	SPT S D 21	50 (5,16/30,20 for 20mm)	5.70	0.00				
			29/07/2010 5.70	1.00				
			30/07/2010 5.70	0800 1.20				
22.80-23.10 22.80-23.10	SPT S D 22	50 (5,12/18,26,6 for 0mm)	5.70	0.00	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	22.53 -20.62		
23.60-23.85 23.60-23.85	SPT S D 23	50 (6,18/33,17 for 20mm)	5.70	0.00				
24.40-24.68 24.40-24.68	SPT S D 24	50 (6,16/26,24 for 50mm)	5.70	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.64 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
25.20-25.44 25.20-25.44	SPT S D 25	50 (8,17 for 70mm/ 37,13 for 15mm)	5.70	0.00	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
			30/07/2010					
26.00-26.30 26.00-26.30	SPT S D 26	50 (6,10/20,24,6 for 0mm)	5.70	1.00				
			02/08/2010	0800				
			5.70	1.60				
26.80-27.08 26.80-27.08	SPT S D 27	50 (5,16/26,24 for 55mm)	5.70	0.00				
27.60-27.89 27.60-27.89	SPT S D 28	50 (6,11/23,27 for 60mm)	5.70	0.00				
28.40-28.78 28.40-28.78	SPT S D 29	50 (4,7/12,15,18,5 for 5mm)	5.70	0.00				
29.20-29.56 29.20-29.56	SPT S D 30	50 (4,10/15,20,15 for 60mm)	5.70	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.64 m			

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)				
30.00-30.37 30.00-30.37	SPT S D 31	50 (5,9/14,16,20 for 70mm)	5.70	0.00	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
30.80-31.07 30.80-31.07	SPT S D 32	50 (7,17 for 70mm/ 30,20 for 50mm)	5.70	0.00					
31.60-31.86 31.60-31.86	SPT S D 33	50 (4,17/28,22 for 30mm)	5.70	0.00					
32.40-32.62 32.40-32.62	SPT S D 34	50 (11,14 for 40mm/ 30,20 for 25mm)	02/08/2010 5.70	1.10 0.00					
33.20-33.42	SPT S	50 (12,13 for 45mm/ 32,18 for 25mm)	5.70	0.00		33.20-34.00 m Fine angular to rounded gravel of flint			
34.00-34.21	SPT S	50 (8,17 for 50mm/ 44,6 for 5mm)	5.70	0.00		(23.11)			
34.80-35.01	SPT S	50 (10,15 for 30mm/ 34,16 for 25mm)	5.70	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.64 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.60-35.79	SPT S	50 (20,5 for 2mm/ 30,20 for 40mm)	5.70	0.00	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	36.40-37.20 m Occasional lenses of greenish grey silt		
36.40-36.60	SPT S	50 (18,7 for 20mm/ 31,19 for 30mm)	5.70	0.00				
37.20-37.44	SPT S	50 (13,12 for 50mm/ 32,18 for 40mm)	5.70	0.00				
38.00-38.21	SPT S	50 (15,10 for 25mm/ 28,22 for 30mm)	5.70	0.00				
38.80-39.01	SPT S	50 (15,10 for 20mm/ 26,24 for 35mm)	03/08/2010 5.70	1.30				
			04/08/2010 5.70	0800 1.35				
39.60-39.85	SPT S	50 (15,10 for 30mm/ 24,26 for 70mm)	5.70	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.64 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_11 Sheet 8 of 10
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.58	SPT S	50 (15,10 for 25mm/ 43,7 for 5mm)	5.70	0.00	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)		[Symbol: 'x' in a square]	[Symbol: Diagonal lines]
41.20-41.38	SPT S	50 (14,11 for 25mm/ 41,9 for 5mm)	5.70	0.00				
42.00-42.24	SPT S	50 (8,17/38,12 for 10mm)	5.70	0.00				
42.80-43.02	SPT S	50 (11,14 for 60mm/ 40,10 for 10mm)	5.70	0.00				
43.60-43.81	SPT S	50 (10,15 for 40mm/ 32,18 for 20mm)	5.70	0.00				
44.40-44.66	SPT S	50 (9,15/29,21 for 35mm)	5.70	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.64 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
45.20-45.64	SPT S	50 (10,14/9,11,16,14 for 60mm)	5.70	0.00	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS) 45.20-45.64 m Occasional pockets of firm brown sandy clay	45.64	-43.73					
			04/08/2010	1.30						EXPLORATORY HOLE ENDS AT 45.64 m		
Depth	Type & No	Records	Date Casing	Time Water								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests				Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments	
0.10-0.50 0.10-0.50	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.99			
					Light grey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and low cobble content. Gravel is angular to subangular fine to coarse of various lithologies including flint and concrete. Cobble are angular of concrete. (MADE GROUND)	(0.50) 0.60 +1.49			
0.80-1.20 0.80-1.20	D 3 B 4		28/07/2010 1.20	dry	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of various lithologies including flint. (MADE GROUND)	(0.60) 1.20 +0.89			
			29/07/2010 1.20	0800 dry	ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand, silty clay and peat. (Possible MADE GROUND / RECENT DEPOSITS)				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary open hole drilling.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_12 Sheet 1 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand, silty clay and peat. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)		
			29/07/2010	5.25	0.00			
			30/07/2010	0800				
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_12 Sheet 2 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.00-10.45 10.00-10.45	SPT S D 5	N=11 (1,1/2,3,3,3)	3.25 5.25	0.20 1.00	Plastic brown pseudo-fibrous PEAT with very soft grey slightly gravelly clayey silt. Gravel is subangular to subrounded fine to medium of flint. (RECENT DEPOSITS)	10.00 -7.91		
10.80-11.25 10.80-11.25	SPT S D 6	N=11 (1,2/3,2,3,3)	10.20	0.20		(1.60)		
11.60-12.05 11.60-12.05	SPT S D 7	N=16 (1,1/3,3,4,6)	10.20	0.20		11.60 -9.51		
12.40-12.64 12.40-12.64	SPT S D 8	3 (4,3/2,1 for 15mm)	30/07/2010 10.20	0.30	Medium dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.60)		
			02/08/2010 10.20	0800 0.00				
13.20-13.65 13.20-13.65	SPT S D 9	N=46 (4,6/10,9,12,15)	10.20	0.20	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	13.20 -11.11		
14.00-14.40 14.00-14.40	SPT S D 10	50 (6,9/13,14,16,7 for 25mm)	10.20	0.20				
14.80-15.12 14.80-15.12	SPT S D 11	50 (5,14/20,23,7 for 20mm)	10.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 16.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:29:55	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_12 Sheet 3 of 10
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Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
15.60-15.99 15.60-16.00	SPT S D 12	50 (5,8/9,15,21,5 for 15mm)	10.20	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)						
16.40-16.73 16.40	SPT S D 13	50 (4,8/14,20,16 for 30mm)	10.20	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded of flint. (CRAG DEPOSITS)	16.40 -14.31					
17.20-17.52 17.20	SPT S D 14	50 (6,14/22,19,9 for 20mm)	10.20	0.00		(2.70)					
18.00-18.37 18.00	SPT S D 15	50 (5,8/12,18,20 for 70mm)	10.20	0.00							
18.80-19.10 18.80	SPT S D 16	50 (6,13/21,24,5 for 0mm)	10.20	0.00							
19.60-19.90 19.60	SPT S D 17	50 (7,16/21,29 for 70mm)	10.20	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	19.10 -17.01					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m						

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.74 20.40	SPT S D 18	50 (6,11/17,21,12 for 40mm)	10.20	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
21.20-21.51 21.20	SPT S D 19	50 (6,11/18,24,8 for 5mm)	10.20	0.00				
22.00-22.19 22.00	SPT S D 20	50 (9,16 for 40mm/ 39,11 for 0mm)	03/08/2010	0.30		22.00-22.22 m Frequent shell fragments and slightly gravelly. Gravel is angular to rounded fine of flint		
			05/08/2010	0800 0.60				
22.80-23.06 22.80	SPT S D 21	50 (11,14 for 55mm/ 26,24 for 55mm)	10.20	0.00				
23.60-23.86 23.60	SPT S D 22	50 (9,16 for 65mm/ 24,26 for 45mm)	10.20	0.00				
24.40-24.62 24.40	SPT S D 23	50 (10,15 for 45mm/ 33,17 for 25mm)	10.20	0.00		24.40-24.62 m Weakly cemented		
24.80-25.03	SPT S	50 (14,11 for 35mm/ 22,28 for 45mm)	10.20	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
25.20-25.45 25.20	SPT S D 24	50 (10,15 for 65mm/ 30,20 for 35mm)	10.20 05/08/2010	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
				0.30					
				06/08/2010		0800			
						0.70			
26.00-26.24 26.00	SPT S D 25	50 (13,12 for 45mm/ 30,20 for 45mm)	10.20	0.00					
26.80-27.06 26.80	SPT S D 26	50 (9,16 for 55mm/ 27,23 for 55mm)	10.20	0.00		26.80-27.06 m Weakly cemented with occasional lenses of grey silt			
27.60-27.84 27.60	SPT S D 27	50 (8,17 for 60mm/ 29,21 for 30mm)	10.20	0.00	27.60-27.84 m Slightly gravelly. Gravel is subangular to rounded fine to medium of flint				
28.40-28.70 28.40	SPT S D 28	50 (10,15 for 65mm/ 20,23,7 for 10mm)	10.20	0.00					
29.20-29.42 29.20	SPT S D 29	50 (11,14 for 35mm/ 29,21 for 35mm)	10.20	0.00	29.20-30.22 m Slightly gravelly. Gravel is subangular to rounded fine to medium of flint				
			06/08/2010	0.30		(21.30)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 6)					
30.00-30.22 30.00	SPT S D 30	48 (11,14 for 45mm/ 34,14 for 25mm)	10.20 07/08/2010	0.00 0800 0.90	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
30.80-31.05 30.80	SPT S D 31	50 (10,15 for 55mm/ 27,23 for 45mm)	10.20	0.00						
31.60-31.83 31.60	SPT S D 32	50 (5,8/40,10 for 5mm)	10.20	0.00	30.00-31.05 m Silty with occasional lenses of soft grey silty clay 31.60-32.63 m Occasional lenses of soft thinly laminated grey silty clay					
32.20-32.41	SPT S	50 (12,13 for 30mm/ 29,21 for 30mm)	10.20	0.00						
32.40-32.63 32.40	SPT S D 33	50 (14,11 for 45mm/ 25,25 for 35mm)	10.20	0.00						
33.20	D 34				33.20-34.20 m Frequent shell fragments					
34.00-34.20 34.00	SPT S D 35	50 (15,10 for 30mm/ 36,14 for 20mm)	10.20 07/08/2010	0.00 0.40						
			08/08/2010	0800 0.80						
34.80	D 36				34.80-44.73 m Slightly gravelly with rare shell fragments. Gravel is					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
---	------------------	--	---------------------------------------



Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
--	------------------------------------	--	---	--

Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 7)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
35.60-35.80 35.60	SPT S D 37	50 (17, 8 for 25mm/ 33, 17 for 25mm)	10.20	0.00	Very dense greenish grey slightly silty fine angular to rounded to coarse SAND with occasional fine to medium fine of flint. (CRAG DEPOSITS)			
36.40-36.63 36.40	SPT S D 38	50 (14, 11 for 30mm/ 28, 22 for 50mm)	10.20	0.00				
37.20-37.39 37.20	SPT S D 39	50 (13, 12 for 30mm/ 34, 16 for 10mm)	10.20	0.00				
38.00-38.22 38.00	SPT S D 40	50 (11, 14 for 40mm/ 27, 23 for 30mm)	10.20	0.00				
38.80-39.05 38.80	SPT S D 41	50 (12, 13 for 45mm/ 27, 23 for 55mm)	08/08/2010 10.20	0.50 0.00				
39.60-39.81 39.60	SPT S D 42	50 (12, 13 for 35mm/ 35, 15 for 25mm)	10.20	0.00		39.60-39.83 m Weakly cemented		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
No. Struck (m)	Post strike behaviour							
None observed (see Key Sheet)								

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole SPT 2009_12
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 13:30:11	Project No. A0012-10	Sheet 8 of 10
	Carried out for NNB Generation Company Limited	

Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
--	------------------------------------	--	--	--

Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 8)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.65 40.40	SPT S D 43	50 (9,16 for 55mm/ 31,19 for 45mm)	10.20	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	40.40 -38.31		
					Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded of flint. (CRAG DEPOSITS)			
41.20-41.47 41.20	SPT S D 44	50 (14,11 for 55mm/ 22,28 for 65mm)	10.20	0.00				
42.00-42.23 42.00	SPT S D 45	50 (12,13 for 45mm/ 31,19 for 35mm)	10.20	0.00				
42.80-43.01 42.80	SPT S D 46	50 (11,14 for 50mm/ 36,14 for 10mm)	10.20	0.00		(5.00)		
43.60-43.80 43.60	SPT S D 47	50 (12,13 for 40mm/ 41,9 for 10mm)	10.20	0.00				
44.40-44.63 44.40	SPT S D 48	50 (11,14 for 55mm/ 32,18 for 25mm)	10.20	0.00				
			09/08/2010	1.80				
			10/08/2010	0800				
				1.80				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
---	------------------	--	---------------------------------------

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_12 Sheet 9 of 10
--	--	---

Scale 1:25

(c) Soil Mechanics www.soil-mechanics.com
408.24 12/04/2011 13:30:14



Borehole Log



Soil Mechanics

Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
--	------------------------------------	--	---	--

Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 9)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
45.20-45.40 45.20	SPT S D 49	50 (11,14 for 35mm/ 38,12 for 15mm)	10.20	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded of flint. (CRAG DEPOSITS) Very stiff thinly laminated dark grey CLAY. (LONDON CLAY)	45.40 -43.31					
46.00-46.45 46.00	SPT S D 50	N=31 (4,5/7,7,10,7)	10.20	0.00		(1.85)					
46.80-47.25 46.80	SPT S D 51	N=31 (3,5/6,7,9,9)	10.20	0.00		47.25 -45.16					
					EXPLORATORY HOLE ENDS AT 47.25 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
--	------------------	--	---------------------------------------



Report No A0012-10/2B

ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE

FACTUAL REPORT ON GROUND INVESTIGATION

VOLUME 2B : EXPLORATORY HOLE RECORDS

**1:25 SCALE BOREHOLE AND TRIAL PIT LOGS
1:100 SCALE BOREHOLE LOGS
SPLIT SAMPLE DESCRIPTIONS
DISCONTINUITY LOGS**

Carried out for: NNB Generation Company Limited

August 2011

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**ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
FACTUAL REPORT ON GROUND INVESTIGATION**

VOLUME 2B : EXPLORATORY HOLE RECORDS

1:25 SCALE BOREHOLE AND TRIAL PIT LOGS

1:100 SCALE BOREHOLE LOGS

SPLIT TUBE SAMPLE DESCRIPTIONS

DISCONTINUITY LOGS

Report No: A0012-10/2B

Date: August 2011

Employer:

**NNB Generation Company Limited
40 Grosvenor Place
Victoria
London
SW1X 7EN**

Issue No	Date	Details
1	August 2011	Report as submitted

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REPORT STRUCTURE

VOLUME NO	TITLE	REPORT NO
1	TEXT, MONITORING AND DRAWINGS	A0012-10/1
2A	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE LOGS	A0012-10/2A
2B	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE AND TRIAL PIT LOGS 1:100 SCALE BOREHOLE LOGS SPLIT TUBE SAMPLE DESCRIPTIONS DISCONTINUITY LOGS	A0012-10/2B
3A	IN SITU TESTING: DRILLING PARAMETER RESULTS MENARD PRESSUREMETER TESTING	A0012-10/3A
3B	IN SITU TESTING: CONE PENETRATION TESTING GEOPHYSICAL TESTING PUMPING TEST	A0012-10/3B
3C	IN SITU TESTING: SELF BORING PRESSUREMETER TESTING	A0012-10/3C
4	GEOTECHNICAL LABORATORY TESTING	A0012-10/4
5	PHOTOGRAPHS	A0012-10/5
6	COMPREHENSIVE AND DATA INTEGRATION REPORT	A0012-10/6

C O N T E N T S

ENCLOSURES

- A EXPLORATORY HOLE RECORDS
- B SPLIT SAMPLE DESCRIPTIONS / DISCONTINUITY LOGS

ENCLOSURE A
EXPLORATORY HOLE RECORDS

Key to Exploratory Hole Records	Key
Exploratory Hole Records: Volume 2B Summary	Table 1 - 7
Borehole Logs	1:25 Scale
Trial Pit Logs	1:25 Scale
Borehole Logs	1:100 Scale

Key to Exploratory Hole Records



SAMPLES

Undisturbed

U	Driven tube sample	} nominally 100 mm diameter and full recovery unless otherwise stated
TW	Pushed thin wall tube sample	
P	Pushed piston sample	
L	Liner sample (from Windowless or similar sampler), full recovery unless otherwise stated	
CBR	CBR mould sample	
BLK	Block sample	
CS	Core sample (from rotary core) taken for laboratory testing	
AMAL	Amalgamated sample	

Disturbed

D	Small sample
B	Bulk sample

Other

W	Water sample
G	Gas sample

ES	Environmental chemistry samples (in more than one container where appropriate)
EW	Soil sample
EW	Water sample

Comments

Sample reference numbers are assigned to every sample taken. A sample reference of 'NR' indicates that attempt was made to take a tube sample, however, there was no recovery.

Monitoring samples taken after completion of hole construction are not shown on the exploratory hole logs.

TESTS

SPT S or SPT C Standard Penetration Test, open shoe (S) or solid cone (C)

The Standard Penetration Test is defined in BS EN ISO 22476-3 (2005). The incremental blow counts are given in the Field Records column; each increment is 75 mm unless stated otherwise and any penetration under self weight in mm (SW) is noted. Where the full 300 mm test drive is achieved the total number of blows for the test drive is presented as N = ** in the Test column. Where the test drive blows reach 50 the total blow count beyond the seating drive is given (without the N = prefix).

IV	<i>in situ</i> Vane shear strength, peak (p) and remoulded (r)
HV	Hand vane shear strength, peak (p) and remoulded (r)
PP	Pocket penetrometer test, converted to shear strength
KFH, KRH, KPI	Permeability tests (KFH = falling head, KRH = rising head; KPI = packer inflow); results provided in Field Records column (one value per stage for packer tests)

DRILLING RECORDS

The mechanical indices (TCR/SCR/RQD & If) are defined in BS 5930 with Amendment 1(1999/2007)

TCR	Total Core Recovery, %
SCR	Solid Core Recovery, %
RQD	Rock Quality Designation, %
If	Fracture spacing, mm. Minimum, typical and maximum spacings are presented. The term non-intact (NI) is used where the core is fragmented.

Flush returns, estimated percentage with colour where relevant, are given in the Records column

CRF	Core recovered (length in m) in the following run
AZCL	Assessed zone of core loss
NR	Not recovered

GROUNDWATER

▼	Groundwater strike
▽	Groundwater level after standing period

Notes:

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Key

Key to Exploratory Hole Records



Soil Mechanics

INSTALLATION

Standpipe/ piezometer

Details of standpipe/piezometer installations are given on the Record. Legend column shows installed instrument depths including slotted pipe section or tip depth, response zone filter material type and layers of backfill.

SP
SPIE
PIIE
EPIE



The type of instrument installed is indicated by a code in the Legend column at the depth of the response zone:
Standpipe
Standpipe piezometer
Pneumatic piezometer
Electronic piezometer

Inclinometer or Slip Indicator

The installation of vertical profiling instruments is indicated on the Record. The base of tubing is shown in the Legend column.

ICE
ICM
SLIP



The type of instrument installed is indicated by a code in the Legend column at the base of the tubing:
Biaxial inclinometer
Inclinometer tubing for use with probe
Slip indicator

Settlement Points or Pressure Cells

The installation of single point instruments is indicated on the Record. The location of the measuring device is shown in the Legend column.

ESET
ETM
EPCE
PPCE

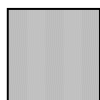


The type of instrument installed is indicated by a code in the Legend column:
Electronic settlement cell/gauge
Magnetic extensometer settlement point
Electronic embedment pressure cell
Electronic push in pressure cell

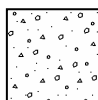
INSTALLATION LEGENDS

A legend describing the installation is shown in the rightmost column. Legends additional to BS5930 are used to describe the backfill materials as indicated below.

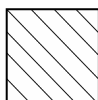
Arisings



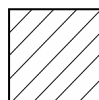
Concrete



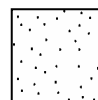
Grout



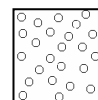
Bentonite



Sand



Gravel



Macadam



NOTES

- 1 Soils and rocks are described in accordance with BS EN ISO 14688-1 (2002), 14688-2 (2004), 14689-1 (2003) and BS 5930 with Amendment 1 (1999/2007) as clarified by Baldwin et al (2007).
- 2 Strata legends are in accordance with BS 5930 with Amendment 1 (1999/2007).
- 3 Water level observations of discernible entries during the advancing of the exploratory hole are given at the foot of the log and in the Legend column. The term "none observed" is used where no discrete entries are identified although this does not necessarily indicate that the hole has not been advanced below groundwater level. Under certain conditions groundwater cannot be observed, for instance, drilling with water flush or overwater, or boring at a rate much faster than water can make its way into the borehole (ref BS5930 : 1999, Clause 47.2.7). In addition, where appropriate, water levels in the hole at the time of recovering individual samples or carrying out in situ tests and at shift changes are given in the Records column.
- 4 Evidence of the occurrence of very coarse particles (cobbles and boulders) is presented on the logs, however, because of their size in relation to the exploratory hole these records may not be fully representative of their size and frequency in the ground mass.
- 5 The borehole logs present the results of Standard Penetration Tests recorded in the field without correction or interpretation. However, in certain ground conditions (eg high hydraulic head or where very coarse particles are present) some judgement may be necessary in considering whether the results are representative of in situ mass conditions.
- 6 The declination of bedding and joints is given with respect to the normal to the core axis. Thus in a vertical borehole this will be the dip.
- 7 The assessment of SCR, RQD and Fracture Spacing excludes artificial fractures

Notes:

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
Project No. **A0012-10**
Carried out for **NNB Generation Company Limited**

Key

Sheet 2 of 3

Key to Exploratory Hole Records



Soil Mechanics

REFERENCES

Baldwin M, Gosling R C and Brownlie N : 2007 : Soil and rock descriptions - a practical guide to the implementation of BS EN ISO 14688 and 14689. Ground Engineering, Vol 40 No 7 July.

BS EN ISO 14688-1 : 2002 : Geotechnical investigation and testing - Identification and classification of soil - Part 1 Identification and description. British Standards Institution.

BS EN ISO 14688-2 : 2004 : Geotechnical investigation and testing - Identification and classification of soil - Part 2 Principles for a classification. British Standards Institution.

BS EN ISO 14689-1 : 2003 : Geotechnical investigation and testing - Identification and classification of rock - Part 1 Identification and description. British Standards Institution.

BS EN ISO 22476-3 : 2005 : Geotechnical investigation and testing - Field testing - Part 3 Standard penetration test. British Standards Institution.

BS 5930 with Amendment 1 : 1999/2007 : Code of Practice for site investigations. British Standards Institution

Updated July 2009

Notes:

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
Project No. **A0012-10**
Carried out for **NNB Generation Company Limited**

Key

Sheet 3 of 3

Exploratory Hole Records: Volume 2B Summary

Hole ID	Hole Depth, (m)	Hole Type	Remarks
CPT 2009_6 RO	3.40	RO	1:25 Scale Borehole Log
CPT 2009_6A RO	2.90	RO	1:25 Scale Borehole Log
CPT 2009_19 RC	12.00	RC	1:25 Scale Borehole Log
CPT 2009_21 RC	12.00	RC	1:25 Scale Borehole Log
CPT 2009_38 RC	15.00	RC	1:25 Scale Borehole Log
GEO1_CPT1 RC	9.00	RC	1:25 Scale Borehole Log
GEO4_CPT4 RC	15.00	RC	1:25 Scale Borehole Log
GEO4_CPT5 RC	13.50	RC	1:25 Scale Borehole Log
GEO4_CPT6 RC	13.50	RC	1:25 Scale Borehole Log
GEO3 BH1	20.45	CP	1:25 Scale Borehole Log
GEO3 BH2	20.45	CP	1:25 Scale Borehole Log
GW1S	4.00	CP	1:25 Scale Borehole Log
GW1D	16.00	CP	1:25 Scale Borehole Log
GW2	16.00	CP	1:25 Scale Borehole Log
GW3	14.00	CP	1:25 Scale Borehole Log
GW4	10.70	CP	1:25 Scale Borehole Log
GW5	20.00	CP	1:25 Scale Borehole Log
GW5A	11.50	CP	1:25 Scale Borehole Log
GW6S	5.00	CP	1:25 Scale Borehole Log
GW6D	1.20	CP	1:25 Scale Borehole Log
GW6DA	20.00	CP	1:25 Scale Borehole Log
GW7	10.50	CP	1:25 Scale Borehole Log
GW8	15.70	CP	1:25 Scale Borehole Log
GW9S	6.20	CP	1:25 Scale Borehole Log
GW9D	20.00	CP	1:25 Scale Borehole Log
GW10	10.00	CP	1:25 Scale Borehole Log
GW11S	10.00	CP	1:25 Scale Borehole Log
GW11S1	6.00	CP	1:25 Scale Borehole Log
GW11D	21.00	CP	1:25 Scale Borehole Log
GW12	12.70	CP	1:25 Scale Borehole Log
GW13	10.00	CP	1:25 Scale Borehole Log
GW15	22.40	CP	1:25 Scale Borehole Log
GW16D	20.00	CP	1:25 Scale Borehole Log
GW17	11.00	CP	1:25 Scale Borehole Log
GW18	12.20	CP	1:25 Scale Borehole Log
GW19	12.00	CP	1:25 Scale Borehole Log
GW20	10.00	CP	1:25 Scale Borehole Log
GW21	13.00	CP	1:25 Scale Borehole Log

Notes: Prepared: 10/02/2011 16:26

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Table

1

Exploratory Hole Records: Volume 2B Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Type	Remarks
GW22	10.00	CP	1:25 Scale Borehole Log
GW23	10.00	CP	1:25 Scale Borehole Log
GW24S	4.70	CP	1:25 Scale Borehole Log
GW24D	16.20	CP	1:25 Scale Borehole Log
G1	1.50	CP	1:25 Scale Borehole Log
G1A	1.20	CP	1:25 Scale Borehole Log
G1B	15.00	CP	1:25 Scale Borehole Log
G2	9.60	CP	1:25 Scale Borehole Log
G2A	7.80	CP	1:25 Scale Borehole Log
G3	0.80	CP	1:25 Scale Borehole Log
G3A	0.90	CP	1:25 Scale Borehole Log
G3B	9.20	CP	1:25 Scale Borehole Log
G4	10.60	CP	1:25 Scale Borehole Log
G5	10.00	CP	1:25 Scale Borehole Log
G6	10.00	CP	1:25 Scale Borehole Log
BH1	10.00	CP	1:25 Scale Borehole Log
BH2	10.00	CP	1:25 Scale Borehole Log
BH4	10.00	CP	1:25 Scale Borehole Log
BH6	15.00	CP	1:25 Scale Borehole Log
BH7	17.00	CP	1:25 Scale Borehole Log
TP1	4.00	TP	1:25 Scale Trial Pit Log
TP2	1.00	TP	1:25 Scale Trial Pit Log
TP3	4.20	TP	1:25 Scale Trial Pit Log
TP4	4.00	TP	1:25 Scale Trial Pit Log
TP6	1.30	TP	1:25 Scale Trial Pit Log
TP7	4.50	TP	1:25 Scale Trial Pit Log
TP8	4.50	TP	1:25 Scale Trial Pit Log
TP9	2.80	TP	1:25 Scale Trial Pit Log
TP11	0.90	TP	1:25 Scale Trial Pit Log
TP12	1.80	TP	1:25 Scale Trial Pit Log
TP13	0.80	TP	1:25 Scale Trial Pit Log
TP14	2.70	TP	1:25 Scale Trial Pit Log
TP15	4.00	TP	1:25 Scale Trial Pit Log
TP17	1.50	TP	1:25 Scale Trial Pit Log
TP18	1.50	TP	1:25 Scale Trial Pit Log
TP19	1.40	TP	1:25 Scale Trial Pit Log

Notes: Prepared: 10/02/2011 16:26	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Table 2
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Exploratory Hole Records: Volume 2B Summary

Hole ID	Hole Depth, (m)	Hole Type	Remarks
TP20	0.90	TP	1:25 Scale Trial Pit Log
TP21	2.30	TP	1:25 Scale Trial Pit Log
TP22	3.00	TP	1:25 Scale Trial Pit Log
TP23	5.00	TP	1:25 Scale Trial Pit Log
TP25	1.90	TP	1:25 Scale Trial Pit Log
TP26	1.50	TP	1:25 Scale Trial Pit Log
TP27	1.70	TP	1:25 Scale Trial Pit Log
TP28	3.00	TP	1:25 Scale Trial Pit Log
TP29	1.30	TP	1:25 Scale Trial Pit Log
TP30	1.50	TP	1:25 Scale Trial Pit Log
TP32(BH)	4.50	CP	1:25 Scale Trial Pit Log
TP33	1.40	TP	1:25 Scale Trial Pit Log
TP34	2.60	TP	1:25 Scale Trial Pit Log
TP35	2.90	TP	1:25 Scale Trial Pit Log
TP37(BH)	4.00	CP	1:25 Scale Trial Pit Log
TP38	4.00	TP	1:25 Scale Trial Pit Log
TP39	1.50	TP	1:25 Scale Trial Pit Log
TP40	3.20	TP	1:25 Scale Trial Pit Log
TP41	1.30	TP	1:25 Scale Trial Pit Log
TP42	4.00	TP	1:25 Scale Trial Pit Log
TP43	2.60	TP	1:25 Scale Trial Pit Log
TP44	4.00	TP	1:25 Scale Trial Pit Log
TP45	2.00	TP	1:25 Scale Trial Pit Log
TP45A	3.00	TP	1:25 Scale Trial Pit Log
TP46	4.00	TP	1:25 Scale Trial Pit Log
TP47	4.20	TP	1:25 Scale Trial Pit Log
TP48	2.80	TP	1:25 Scale Trial Pit Log
TP50(BH)	5.00	TP	1:25 Scale Trial Pit Log
TP51	3.50	TP	1:25 Scale Trial Pit Log
TP52	4.20	TP	1:25 Scale Trial Pit Log
TP53	3.00	TP	1:25 Scale Trial Pit Log
TP54(BH)	5.00	TP	1:25 Scale Trial Pit Log
TP55	1.30	TP	1:25 Scale Trial Pit Log
TP55A	2.70	TP	1:25 Scale Trial Pit Log
TP56	2.60	TP	1:25 Scale Trial Pit Log
TP57	4.20	TP	1:25 Scale Trial Pit Log
TP58	3.20	TP	1:25 Scale Trial Pit Log
TP60(BH)	5.00	TP	1:25 Scale Trial Pit Log
TP62(BH)	5.00	TP	1:25 Scale Trial Pit Log
TP65	3.20	TP	1:25 Scale Trial Pit Log

Notes: Prepared: 10/02/2011 16:26

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Table

3

Exploratory Hole Records: Volume 2B Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Type	Remarks
TP66	1.70	TP	1:25 Scale Trial Pit Log
TP67	2.00	TP	1:25 Scale Trial Pit Log
TP68	3.60	TP	1:25 Scale Trial Pit Log
TP69	2.40	TP	1:25 Scale Trial Pit Log
TP70	2.10	TP	1:25 Scale Trial Pit Log
TP71	1.50	TP	1:25 Scale Trial Pit Log
TP72	4.30	TP	1:25 Scale Trial Pit Log
TP73	3.60	TP	1:25 Scale Trial Pit Log
TP74	2.60	TP	1:25 Scale Trial Pit Log
TP75	3.60	TP	1:25 Scale Trial Pit Log
TP76	2.50	TP	1:25 Scale Trial Pit Log
TPN1	2.50	TP	1:25 Scale Trial Pit Log
TPN2	0.70	TP	1:25 Scale Trial Pit Log
TPN3	2.50	TP	1:25 Scale Trial Pit Log
TPN4	2.50	TP	1:25 Scale Trial Pit Log
TP 2009_14	1.60	TP	1:25 Scale Trial Pit Log
TP 2009_15	4.50	TP	1:25 Scale Trial Pit Log
TP 2009_16	4.50	TP	1:25 Scale Trial Pit Log
TP 2009_17	2.70	TP	1:25 Scale Trial Pit Log
CBH 2009_1	120.00	RC	1:100 Scale Borehole Log
CBH 2009_1U	1.35	CP	1:100 Scale Borehole Log
CBH 2009_1UA	47.15	CP	1:100 Scale Borehole Log
CBH 2009_2	122.90	RC	1:100 Scale Borehole Log
CBH 2009_2U	4.00	CP	1:100 Scale Borehole Log
CBH 2009_2UA	44.65	CP	1:100 Scale Borehole Log
CBH 2009_3	58.50	RC	1:100 Scale Borehole Log
CBH 2009_4	55.15	RC	1:100 Scale Borehole Log
CBH 2009_4U	45.65	CP	1:100 Scale Borehole Log
CBH 2009_5	55.20	RC	1:100 Scale Borehole Log
CBH 2009_5U	1.80	CP	1:100 Scale Borehole Log
CBH 2009_5UA	2.45	CP	1:100 Scale Borehole Log
CBH 2009_5UB	45.15	CP	1:100 Scale Borehole Log
CBH 2009_6	55.50	RC	1:100 Scale Borehole Log
CBH 2009_6U	43.85	CP	1:100 Scale Borehole Log
CBH 2009_7	55.45	RC	1:100 Scale Borehole Log
CBH 2009_7U	48.15	CP	1:100 Scale Borehole Log

Notes: Prepared: 10/02/2011 16:26	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Table 4
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Exploratory Hole Records: Volume 2B Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Type	Remarks
CBH 2009_8U	120.00	CP+RC	1:100 Scale Borehole Log
CBH 2009_9U	55.10	CP	1:100 Scale Borehole Log
CBH 2009_10	55.40	RC	1:100 Scale Borehole Log
CBH 2009_11U	56.70	CP	1:100 Scale Borehole Log
DBH 2009_1	120.50	RC	1:100 Scale Borehole Log
DBH 2009_2	121.50	RC	1:100 Scale Borehole Log
DBH 2009_20	48.00	RO	1:100 Scale Borehole Log
MPM 2009_4A	50.40	RO	1:100 Scale Borehole Log
MPM 2009_7A	48.00	RO	1:100 Scale Borehole Log
SBP 2009_1	81.90	RO	1:100 Scale Borehole Log
SBP 2009_2	125.80	RO+RC	1:100 Scale Borehole Log
SBP 2009_3	84.70	RO	1:100 Scale Borehole Log
SBP 2009_4	84.10	RO+RC	1:100 Scale Borehole Log
SD 2010_01	120.50	RC	1:100 Scale Borehole Log
SD 2010_03	120.50	RC	1:100 Scale Borehole Log
SPT 2009_1	45.65	RO	1:100 Scale Borehole Log
SPT 2009_2	45.65	RO	1:100 Scale Borehole Log
SPT 2009_3	45.95	RO	1:100 Scale Borehole Log
SPT 2009_4	48.05	RO	1:100 Scale Borehole Log
SPT 2009_5	48.05	RO	1:100 Scale Borehole Log
SPT 2009_6	48.85	RO	1:100 Scale Borehole Log
SPT 2009_7	48.85	RO	1:100 Scale Borehole Log
SPT 2009_8	49.65	RO	1:100 Scale Borehole Log
SPT 2009_9	49.65	RO	1:100 Scale Borehole Log
SPT 2009_10	45.65	RO	1:100 Scale Borehole Log
SPT 2009_11	45.64	RO	1:100 Scale Borehole Log
SPT 2009_12	47.25	RO	1:100 Scale Borehole Log
CPT 2009_6 RO	3.40	RO	1:100 Scale Borehole Log
CPT 2009_6A RO	2.90	RO	1:100 Scale Borehole Log
CPT 2009_19 RC	12.00	RC	1:100 Scale Borehole Log
CPT 2009_21 RC	12.00	RC	1:100 Scale Borehole Log
CPT 2009_38 RC	15.00	RC	1:100 Scale Borehole Log
GEO1_CPT1 RC	9.00	RC	1:100 Scale Borehole Log
GEO4_CPT4 RC	15.00	RC	1:100 Scale Borehole Log
GEO4_CPT5 RC	13.50	RC	1:100 Scale Borehole Log
GEO4_CPT6 RC	13.50	RC	1:100 Scale Borehole Log

Notes: Prepared: 10/02/2011 16:26

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Table

5

Exploratory Hole Records: Volume 2B Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Type	Remarks
GEO3 BH1	20.45	CP	1:100 Scale Borehole Log
GEO3 BH2	20.45	CP	1:100 Scale Borehole Log
GW1S	4.00	CP	1:100 Scale Borehole Log
GW1D	16.00	CP	1:100 Scale Borehole Log
GW2	16.00	CP	1:100 Scale Borehole Log
GW3	14.00	CP	1:100 Scale Borehole Log
GW4	10.70	CP	1:100 Scale Borehole Log
GW5	20.00	CP	1:100 Scale Borehole Log
GW5A	11.50	CP	1:100 Scale Borehole Log
GW6S	5.00	CP	1:100 Scale Borehole Log
GW6D	1.20	CP	1:100 Scale Borehole Log
GW6DA	20.00	CP	1:100 Scale Borehole Log
GW7	10.50	CP	1:100 Scale Borehole Log
GW8	15.70	CP	1:100 Scale Borehole Log
GW9S	6.20	CP	1:100 Scale Borehole Log
GW9D	20.00	CP	1:100 Scale Borehole Log
GW10	10.00	CP	1:100 Scale Borehole Log
GW11S	10.00	CP	1:100 Scale Borehole Log
GW11S1	6.00	CP	1:100 Scale Borehole Log
GW11D	21.00	CP	1:100 Scale Borehole Log
GW12	12.70	CP	1:100 Scale Borehole Log
GW13	10.00	CP	1:100 Scale Borehole Log
GW15	22.40	CP	1:100 Scale Borehole Log
GW16D	20.00	CP	1:100 Scale Borehole Log
GW17	11.00	CP	1:100 Scale Borehole Log
GW18	12.20	CP	1:100 Scale Borehole Log
GW19	12.00	CP	1:100 Scale Borehole Log
GW20	10.00	CP	1:100 Scale Borehole Log
GW21	13.00	CP	1:100 Scale Borehole Log
GW22	10.00	CP	1:100 Scale Borehole Log
GW23	10.00	CP	1:100 Scale Borehole Log
GW24S	4.70	CP	1:100 Scale Borehole Log
GW24D	16.20	CP	1:100 Scale Borehole Log
G1	1.50	CP	1:100 Scale Borehole Log
G1A	1.20	CP	1:100 Scale Borehole Log
G1B	15.00	CP	1:100 Scale Borehole Log
G2	9.60	CP	1:100 Scale Borehole Log
G2A	7.80	CP	1:100 Scale Borehole Log

Notes: Prepared: 10/02/2011 16:26

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Table

6

Exploratory Hole Records: Volume 2B Summary



Soil Mechanics

Hole ID	Hole Depth, (m)	Hole Type	Remarks
G3	0.80	CP	1:100 Scale Borehole Log
G3A	0.90	CP	1:100 Scale Borehole Log
G3B	9.20	CP	1:100 Scale Borehole Log
G4	10.60	CP	1:100 Scale Borehole Log
G5	10.00	CP	1:100 Scale Borehole Log
G6	10.00	CP	1:100 Scale Borehole Log
BH1	10.00	CP	1:100 Scale Borehole Log
BH2	10.00	CP	1:100 Scale Borehole Log
BH4	10.00	CP	1:100 Scale Borehole Log
BH6	15.00	CP	1:100 Scale Borehole Log
BH7	17.00	CP	1:100 Scale Borehole Log

Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT		Start 14/09/2010 End 15/09/2010		Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (Geobor S) using polymer mud flush. (soda ash and EZ mud gold)		Depth from 0.00m to 3.40m Diameter 146mm Casing Depth 3.00m		Ground Level +6.14 mOD Coordinates E 647088.91 National Grid N 263724.51 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
		0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)				
					CONCRETE. (MADE GROUND)	0.20 +5.94 0.30 +5.84			
					Grey and brown SAND and GRAVEL. Gravel is angular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)	(0.55)			
					Grey and brown gravelly SAND. Gravel is angular to subangular fine to coarse of flint, quartzite, granite and brick. (MADE GROUND)	0.85 +5.29			
						(2.55)			
			15/09/2010	1800					
			3.00	dry					
3.40	SPT-S	(4 for 6mm)	3.00		EXPLORATORY HOLE ENDS AT 3.40 m	3.40 +2.74			
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *		
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	
					None observed (see Key Sheet)			3.40 Possible steel obstruction borehole terminated.	
								Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com					Project No.	SITE A0012-10			
408.24 21/02/2011 11:59:03					Carried out for	NNB Generation Company Limited			
					Borehole		CPT 2009_6 RO		
							Sheet 1 of 1		

Borehole Log



Soil Mechanics

Drilled MA Logged GA Checked MT		Start 16/09/2010 End 16/09/2010		Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (Geobor S) using polymer mud flush. (soda ash and EZ mud gold)		Depth from 0.00m to 2.90m Diameter 146mm Casing Depth 2.90m		Ground Level +6.15 mOD Coordinates E 647088.96 National Grid N 263726.99 Chainage				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
		0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)	0.15 +6.00						
					CONCRETE. (MADE GROUND)	0.25 +5.90						
					Grey and brown SAND and GRAVEL. Gravel is angular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)	(0.95)						
					Grey and brown gravelly SAND. Gravel is angular to subangular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)	1.20 +4.95						
			16/09/2010			(1.70)						
					EXPLORATORY HOLE ENDS AT 2.90 m	2.90 +3.25						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *					
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Chiselling Depths (m)	Time	Tools used
					None observed (see Key Sheet)			2.90				Possible steel obstruction borehole terminated.
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 11:59:05					Project No.	SITE A0012-10					CPT 2009_6A RO	
AGS					Carried out for	NNB Generation Company Limited					Sheet 1 of 1	

Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT		Start 25/11/2010 End 25/11/2010		Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.			Depth from 0.00m to 12.00m Diameter 114mm Casing Depth		Ground Level +7.44 mOD Coordinates E 647359.22 National Grid N 264330.76 Chainage	
Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.00-1.50	73 N/A N/A		*			Made ground / Concrete. (Foreman's description) (MADE GROUND)	(1.50)			
1.50-3.00	33 N/A N/A					Concrete. (Foreman's description) (MADE GROUND)	1.50 +5.94 (1.50)			
3.00-4.50	100 N/A N/A					Concrete / Timber. (Foreman's description) (MADE GROUND)	3.00 +4.44 (1.50)			
						Concrete. (Foreman's description) (MADE GROUND)	4.50 +2.94			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 6.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m) 0.00 12.00 Rotary drill-out for CPT test.			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole CPT 2009_19 RC Sheet 1 of 3	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 11:59:07						AGS				

Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 25/11/2010 End 25/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 114mm Casing Depth	Ground Level +7.44 mOD Coordinates E 647359.22 National Grid N 264330.76 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
9.00-12.00	100 N/A N/A			25/11/2010		Sand and gravel / peat. (Foreman's description) (MADE GROUND)	(3.00)		
						EXPLORATORY HOLE ENDS AT 12.00 m	12.00 -4.56		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged NR Checked MT		Start 24/11/2010 End 24/11/2010		Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.		Depth from 0.00m to 12.00m Diameter 114mm Casing Depth		Ground Level +7.32 mOD Coordinates E 647442.63 National Grid N 264377.49 Chainage		
Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.00-3.00	17 N/A N/A		*			TOPSOIL.	0.07 +7.25			
						Orange slightly clayey very gravelly fine to medium SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including concrete and quartzite. (MADE GROUND)	(0.73)			
						Orange slightly clayey very sandy GRAVEL with high cobble content. Gravel is angular to rounded fine to coarse of mixed lithologies including quartzite and concrete. Cobbles are angular of concrete. (MADE GROUND)	0.80 +6.52 0.95 +6.37			
3.00-6.00	17 N/A N/A					CONCRETE. (Foreman's description) (MADE GROUND)	(5.05)			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 6.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m) 0.00 12.00 Rotary drill-out for CPT test.		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project Project No. Carried out for		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 NNB Generation Company Limited		Borehole CPT 2009_21 RC Sheet 1 of 3		



Borehole Log



Soil Mechanics

Drilled PJ Logged NR Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 114mm Casing Depth	Ground Level +7.32 mOD Coordinates E 647442.63 National Grid N 264377.49 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)				
6.00-9.00	100 N/A N/A					CONCRETE. (Foreman's description) (MADE GROUND)	6.00 +1.32			
						SAND. (Foreman's description)	(3.00)			
						SAND SILT and clay. (Foreman's description)	9.00 -1.68			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 12.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged NR Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 114mm Casing Depth	Ground Level +7.32 mOD Coordinates E 647442.63 National Grid N 264377.49 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ Thickness	Legend	Backfill/ Instruments
9.00-12.00	100 N/A N/A			24/11/2010	dry	SAND SILT and clay. (Foreman's description)	(3.00)		
EXPLORATORY HOLE ENDS AT 12.00 m							12.00	-4.68	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 15.00m Diameter 114mm Casing Depth	Ground Level +8.48 mOD Coordinates E 647473.58 National Grid N 264377.89 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	50 N/A N/A		*			Made ground / sand. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	50 N/A N/A					Sand. (Foreman's description) (Possible RECENT DEPOSITS)	3.00 +5.48		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 9.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From 0.00 to 15.00 (m) Rotary drill-out for CPT test.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 15.00m Diameter 114mm Casing Depth	Ground Level +8.48 mOD Coordinates E 647473.58 National Grid N 264377.89 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
6.00-7.50	100 N/A N/A					Sand. (Foreman's description) (Possible RECENT DEPOSITS)	(6.00)		
7.50-9.00	100 N/A N/A								
						Sand / silty clay. (Foreman's description) (Possible RECENT DEPOSITS)	9.00 -0.52		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 12.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled Logged Checked	PJ MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.			Depth from 0.00m	to 15.00m	Diameter 114mm	Casing Depth	Ground Level +8.48 mOD Coordinates E 647473.58 National Grid N 264377.89 Chainage								
Samples and Tests						Strata												
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)				Depth, Level/ (Thickness)	Legend	Backfill/ Instruments						
9.00-12.00	100 N/A N/A					Sand / silty clay. (Foreman's description) (Possible RECENT DEPOSITS)				(3.00)								
12.00-15.00	100 N/A N/A			24/11/2010 dry	Silty clay / peat. (Foreman's description) (RECENT DEPOSITS)					12.00 (3.00)								
						EXPLORATORY HOLE ENDS AT 15.00 m												
Groundwater Entries						Depth Related Remarks *				Chiselling								
No. Struck (m)						From to (m)				Depths (m)			Time			Tools used		
None observed (see Key Sheet)																		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited				Borehole CPT 2009_38 RC Sheet 3 of 3								
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 11:59:18																		

Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 08/12/2010 End	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 9.00m Diameter 114mm Casing Depth	Ground Level +2.53 mOD Coordinates E 647235.80 National Grid N 263941.00 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	67 N/A N/A		*			Made ground / sand and gravel. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	100 N/A N/A					Sand and gravel. (Foreman's description) (Possible RECENT DEPOSITS)	3.00		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 7.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From 0.00 to 9.00 Rotary drill-out for CPT test.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged Checked MT	Start 08/12/2010 End -	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 9.00m Diameter 114mm Casing Depth	Ground Level +2.53 mOD Coordinates E 647235.80 National Grid N 263941.00 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
6.00-7.50	100 N/A N/A					Sand and gravel. (Foreman's description) (Possible RECENT DEPOSITS)	(4.50)		
7.50-9.00	100 N/A N/A			08/12/2010		Sand / peat. (Foreman's description) (MADE GROUND)	(1.50)		
						EXPLORATORY HOLE ENDS AT 9.00 m	9.00		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT	Start 13/01/1120 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini Sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 15.00m Diameter 150mm Casing Depth 15.00m	Ground Level +3.27 mOD Coordinates E 647577.11 National Grid N 264186.96 Chainage						
Samples and Tests			Strata							
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.00-3.00	77 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey slightly gravelly SAND with occasional rootlets. Gravel is angular to subrounded fine to coarse of flint. (MADE GROUND)	(0.30)	[Cross-hatched pattern]	[Diagonal lines pattern]	
						Light yellowish brown slightly gravelly fine to medium SAND. (MADE GROUND)	0.30 +2.97			
						0.90-1.60 m NO RECOVERY	(1.30)			
						Light yellowish brown slightly gravelly to gravelly SAND. Gravel is fine to medium occasionally coarse subangular to rounded of flint. (MADE GROUND)	1.60 +1.67			
3.00-6.00	97 N/A N/A					2.50-3.00 m Gravelly to very gravelly	(1.40)	[Cross-hatched pattern]	[Diagonal lines pattern]	
						Light yellowish brown very sandy GRAVEL. Gravel is angular to subrounded fine to coarse of flint. (Possible MADE GROUND)	3.00 +0.27			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 6.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GEO4_CPT4 RC Sheet 1 of 3				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:03:44										

Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT	Start 13/01/1120 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini Sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 15.00m Diameter 150mm Casing Depth 15.00m	Ground Level +3.27 mOD Coordinates E 647577.11 National Grid N 264186.96 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
6.00-7.50	100 N/A N/A					Light yellowish brown very sandy GRAVEL. Gravel is angular to subrounded fine to coarse of flint. (Possible MADE GROUND)			
						5.83 m Compacted cobble of silty slightly gravelly sand 5.90-6.00 m NO RECOVERY	6.00 -2.73		
						Very soft blueish grey mottled black organic CLAY with rare rootlets. (RECENT DEPOSITS)	6.12 -2.85		
						Firm dark brown and blueish grey laminated organic CLAY. Laminations are of peat. (RECENT DEPOSITS)	6.29 -3.02		
						Firm dark brown pseudo-fibrous PEAT. (RECENT DEPOSITS)	6.38 -3.11		
						Very soft blueish grey organic CLAY. Strong organic odour present. (RECENT DEPOSITS)	(1.12)		
						7.36-7.50 m 3 No horizons of firm dark brown pseudo-fibrous peat up to 20mm in thickness 7.50-7.76 m Spongy pseudo-fibrous peat with rare fine gravel size shell fragments 7.82-7.96 m Spongy pseudo-fibrous peat with rare fine gravel size shell fragments	7.50 -4.23		
7.50-9.00	100 N/A N/A								
						8.49-8.78 m Spongy pseudo-fibrous peat with rare fine gravel size shell fragments 8.90-9.00 m Spongy pseudo-fibrous peat with rare fine gravel size shell fragments	(3.65)		
9.00-10.50	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 11.15 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT		Start 13/01/1120 End 13/01/2011		Equipment, Methods and Remarks DB320/10.08 Mini Sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.			Depth from 0.00m to 15.00m Diameter 150mm Casing Depth 15.00m		Ground Level +3.27 mOD Coordinates E 647577.11 National Grid N 264186.96 Chainage		
Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
10.50-12.00	100 N/A N/A					Very soft blueish grey organic CLAY with occasional medium gravel size shell fragments. (RECENT DEPOSITS)					
						Firm black amorphous PEAT. (RECENT DEPOSITS)	11.15	-7.88			
12.00-13.50	87 N/A N/A					12.00-12.20 m NO RECOVERY					
						Very soft blueish grey organic CLAY with fine occasionally medium gravel size shell fragments. (RECENT DEPOSITS)	12.20	-8.93			
						Firm black amorphous PEAT. (RECENT DEPOSITS)	12.45	-9.18			
						Grey fine to medium SAND. (CRAG DEPOSITS)	13.20	-9.93			
13.50-15.00	100 N/A N/A					Greyish brown slightly gravelly SAND. Gravel is fine to medium subangular to subrounded of flint. (CRAG DEPOSITS)	14.00	-10.73			
						Orangish brown gravelly, locally slightly gravelly, SAND. Gravel is subangular to subrounded fine to coarse of flint. (CRAG DEPOSITS)	14.35	-11.08			
						EXPLORATORY HOLE ENDS AT 15.00 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GEO4_CPT4 RC Sheet 3 of 3		



Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT	Start 13/01/2011 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 150mm Casing Depth 12.00m	Ground Level +3.24 mOD Coordinates E 647578.79 National Grid N 264238.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.00-1.20			0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey sandy GRAVEL with occasional rootlets. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)	(0.35)		
0.00-3.00	93 N/A N/A					Light yellowish brown slightly gravelly, locally gravelly, fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)	0.35 +2.89		
						0.85 m 1 No subrounded cobble of flint 1.00 m 1 No subangular cobble of flint 1.10 m gravelly	(1.90)		
						1.40-1.60 m NO RECOVERY			
						1.85 m 1 No subrounded cobble of flint			
						Light yellowish brown very gravelly SAND. Gravel is angular to subrounded fine to medium occasionally coarse of flint. (Possible MADE GROUND)	2.25 +0.99		
							(0.75)		
						Light yellowish brown very sandy GRAVEL. Gravel is fine to medium occasionally coarse of flint. (Possible MADE GROUND)	3.00 +0.24		
							(2.55)		
						4.20-4.50 m slightly silty sand			
						4.50-5.55 m gravel is fine to coarse			
						Stratum continues to 5.55 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT	Start 13/01/2011 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 150mm Casing Depth 12.00m	Ground Level +3.24 mOD Coordinates E 647578.79 National Grid N 264238.07 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
						Light yellowish brown very sandy GRAVEL. Gravel is fine to medium occasionally coarse of flint. (Possible MADE GROUND)					
						5.30 m pockets of black sand					
						Very soft brown mottled black organic CLAY with rare rootlets. Slight organic odour present. (RECENT DEPOSITS)	5.55 -2.31				
						5.55-5.75 m occasional pockets of fine to medium black sand	5.80 -2.56				
6.00-7.50	53 N/A N/A					Very soft slightly blueish grey CLAY with occasional fine gravel size shell fragments. (RECENT DEPOSITS)	(0.85)				
						6.00-6.65 m NO RECOVERY					
						Plastic brown locally black clayey pseudo-fibrous PEAT. Strong organic odour present. (RECENT DEPOSITS)	6.65 -3.41				
						(0.31)					
						Very soft blueish grey CLAY with occasional to frequent organic matter. Organic odour present. (RECENT DEPOSITS)	6.96 -3.72				
						(0.35)					
						Dark brown pseudo-fibrous PEAT. Strong organic odour present. (RECENT DEPOSITS)	7.40-7.50 m clayey				
						7.40-7.50 m clayey	7.50 -4.26				
						Soft to firm grey and brown locally laminated organic CLAY with occasional fine to medium grey sand horizons. Organic odour present. (RECENT DEPOSITS)	(0.65)				
						7.50-7.57 m NO RECOVERY					
7.50-9.00	95 N/A N/A					Soft blueish grey slightly sandy organic CLAY with occasional fine to medium gravel size shell fragments and occasional locally frequent organic matter. Sand is fine. (RECENT DEPOSITS)	8.00-8.15 m brown silty clay				
						8.00-8.15 m brown silty clay	8.15 -4.91				
						Soft blueish grey silty CLAY with rare rootlets and fine occasionally medium gravel size shell fragments. (RECENT DEPOSITS)	(0.60)				
						9.00-10.60 m NO RECOVERY	8.75 -5.51				
9.00-10.50	0 N/A N/A						(1.85)				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 10.60 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT	Start 13/01/2011 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 150mm Casing Depth 12.00m	Ground Level +3.24 mOD Coordinates E 647578.79 National Grid N 264238.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.50-12.00	93 N/A N/A					Soft blueish grey silty CLAY with rare rootlets and fine occasionally medium gravel size shell fragments. (RECENT DEPOSITS)			
						Firm black amorphous PEAT. (RECENT DEPOSITS)	10.60 -7.36 (1.22)		
12.00-13.50	100 N/A N/A					Light brown fine to coarse SAND. (CRAG DEPOSITS)	11.82 -8.58 (1.68)		
				13/01/2011 12.00	dry				
						EXPLORATORY HOLE ENDS AT 13.50 m	13.50 -10.26		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT		Start 13/01/2011 End 13/01/2011		Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.		Depth from 0.00m 12.00m		to 12.00m 13.50m		Diameter 150mm 86mm		Casing Depth 12.00m		Ground Level Coordinates National Grid Chainage		+3.07 mOD E 647581.81 N 264292.79	
Samples and Tests						Strata											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description						Depth, Level (Thickness)	Legend	Backfill/ Instruments			
			0.00-1.20 m Hand excavated inspection pit.			SAND and GRAVEL. (Foreman's description) (MADE GROUND)						0.00-0.40 m NO RECOVERY					
0.00-1.50	73 N/A N/A					Brown gravelly SAND with rare rootlets. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)						0.40 +2.67					
						Yellowish brown slightly gravelly SAND. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)						0.70 +2.37					
						Yellowish brown very sandy, locally sandy, GRAVEL with rare fine to coarse gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint. (Possible MADE GROUND)						1.15 +1.92					
1.50-3.00	83 N/A N/A											1.50-1.75 m NO RECOVERY					
												3.00-3.15 m NO RECOVERY	(3.75)				
3.00-4.50	90 N/A N/A											4.50-4.80 m brown 4.60-4.95 m rare organic matter 4.80-4.90 m black discolouration of sand and gravel	4.90 -1.83				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 5.70 m											
Groundwater Entries No. Struck Post strike behaviour (m)				Depth sealed (m)		Depth Related Remarks * From to (m)						Chiselling Depths (m) Time Tools used					
None observed (see Key Sheet)																	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GEO4_CPT6 RC Sheet 1 of 3			Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:03:55								

Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT		Start 13/01/2011 End 13/01/2011		Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.		Depth from 0.00m 12.00m		to 12.00m 13.50m		Diameter 150mm 86mm		Casing Depth 12.00m		Ground Level Coordinates National Grid Chainage		+3.07 mOD E 647581.81 N 264292.79	
Samples and Tests						Strata											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)						Depth, Level (Thickness)	Legend	Backfill/ Instruments			
4.50-6.00	100 N/A N/A					Soft blueish grey mottled dark grey CLAY. (Possible RECENT DEPOSITS)						(0.80)					
						Firm dark brown slightly clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)						5.70 -2.63 (0.30)					
						CLAY. (Foreman's description) (Possible RECENT DEPOSITS)						6.00 -2.93 (0.35)					
						Soft grey slightly silty CLAY with occasional organic matter. Slight organic odour present. (RECENT DEPOSITS)						6.35 -3.28					
6.00-7.50	77 N/A N/A					6.75-6.87 m spongy dark brown clayey pseudo-fibrous PEAT						(1.60)					
						7.04-7.16 m spongy dark brown clayey pseudo fibrous PEAT											
						Soft grey CLAY with rare fine gravel size shell fragments. (RECENT DEPOSITS)						7.95 -4.88					
7.50-9.00	100 N/A N/A					8.00 m 1 No whole shell						(1.05)					
						CLAY. (Foreman's description) (RECENT DEPOSITS)						9.00 -5.93 (0.55)					
						Firm black amorphous PEAT. (RECENT DEPOSITS)						9.55 -6.48 (0.80)					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 10.35 m											
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)						Chiselling Depths (m) Time Tools used					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited						Borehole GEO4_CPT6 RC Sheet 2 of 3					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:03:56						AGS											

Borehole Log



Soil Mechanics

Drilled DD Logged JC Checked MT	Start 13/01/2011 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 150mm Casing Depth 12.00m	Ground Level +3.07 mOD Coordinates E 647581.81 National Grid N 264292.79 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
						Firm black amorphous PEAT. (RECENT DEPOSITS)			
						Brownish grey SAND. (Possible CRAG DEPOSITS)	10.35 -7.28 (0.60)		
10.50-12.00	100 N/A N/A					Brownish grey slightly gravelly SAND. Gravel is subrounded to rounded fine to coarse of flint. (Possible CRAG DEPOSITS)	10.95 -7.88 (0.40)		
						Brownish grey SAND. (Possible CRAG DEPOSITS)	11.35 -8.28 (0.30)		
						Greyish brown SAND with occasional fine to medium gravel size shell fragments. (Possible CRAG DEPOSITS)	11.65 -8.58 (0.35)		
						Brown SAND. (Possible CRAG DEPOSITS)	12.00 -8.93 (0.90)		
12.00-13.50	97 N/A N/A					12.00-12.05 m NO RECOVERY 12.34-12.45 m orange brown sand			
						Orange brown slightly gravelly SAND. Gravel is subrounded coarse of flint. (Possible CRAG DEPOSITS)	12.90 -9.83 (0.60)		
				13/01/2011 12.00	dry				
						EXPLORATORY HOLE ENDS AT 13.50 m	13.50 -10.43		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT		Start 07/10/2010 End 11/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m		Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown clayey fine to medium SAND with fine to medium gravel size shell fragments. (TOPSOIL)	0.10 +1.22			
0.40-0.80	B 2				Very loose orangish brown slightly clayey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of various lithologies including claystone and flint. (Possibly RECENT DEPOSITS)				
1.00	W 3								
1.50-2.00	B 4								
2.50-2.95 2.50-3.00 2.50-3.00	SPT S D 5 B 6	N=0 (1.0/-,-,-,-)	2.50	0.50		(3.80)			
3.50-4.00	B 7								
3.90	D 8				Spongy brown pseudo-fibrous PEAT with horizons of soft grey silty clay. (RECENT DEPOSITS)	3.90 -2.58			
4.50-5.00	B 9		07/10/2010 4.50	2.10					
			11/10/2010 4.50	0800 2.40					
Depth					Stratum continues to 7.40 m				
Groundwater Entries					Depth Related Remarks *				
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From (m)	to (m)		Chiselling Depths (m) Time Tools used	
1	1.00	Rose to 0.80 m after 20 minutes. Slow inflow	-		1.20	3.90		Water added.	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:44:02					Borehole GEO3 BH1 Sheet 1 of 5				

Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT		Start 07/10/2010 End 11/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m		Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
5.00-5.45 5.00-5.45 5.00-5.45	SPT S D 10 B 11	N=3 (1,0/1,0,1,1)	4.50	2.90	Spongy brown pseudo-fibrous PEAT with horizons of soft grey silty clay. (RECENT DEPOSITS)	(3.50)				
6.00-6.45 6.00-6.45 6.00-6.45	SPT S D 12 B 13	N=7 (1,1/2,1,2,2)	5.80	3.10						6.00 m becoming black
7.00-7.45 7.00-7.45 7.00-7.45	SPT S D 14 B 15	N=12 (1,2/2,4,3,3)	6.10	3.40						7.00 m becoming amorphous
7.40 7.40	D 16 W 16A				7.40 m very clayey	7.40	-6.08			
8.00-8.45 8.00-8.45 8.00-8.45	SPT S D 17 B 18	N=16 (1,2/4,3,4,5)	8.00	0.00	Medium dense grey slightly silty slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
9.00-9.45 9.00-9.45 9.00-9.45	SPT S D 19 B 20	N=4 (1,0/1,1,1,1)	9.00	0.00						
Depth					Stratum continues to 20.45 m					
Groundwater Entries					Depth Related Remarks *					
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From	to (m)	Chiselling Depths (m)	Time	Tools used	
2	7.40	Rose to 2.50 m after 20 minutes. Slow inflow	-							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:44:03					Borehole GEO3 BH1 Sheet 2 of 5					

Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 07/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m	Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00-10.45 10.00-10.45 10.00-10.45	SPT S D 21 B 22	N=20 (3,3/4,4,6,6)	10.00	0.00	Medium dense grey slightly silty slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
11.00-11.45 11.00-11.45 11.00-11.45	SPT S D 23 B 24	N=22 (2,3/4,4,6,8)	11.00	0.00				
12.00-12.45 12.00-12.45 12.00-12.45	SPT S D 25 B 26	N=18 (1,2/3,4,5,6)	12.00	0.00				
13.00-13.45 13.00-13.45 13.00-13.45	SPT S D 27 B 28	N=18 (1,2/4,4,5,5)	13.00	0.00				
14.00-14.45 14.00-14.45 14.00-14.45	SPT S D 29 B 30	N=18 (1,2/4,4,5,5)	14.00	0.00			(13.05)	
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.45 m			

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 07/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m	Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
15.00-15.45 15.00-15.45 15.00-15.45	SPT S D 31 B 32	N=16 (2,2/3,4,4,5)	15.00	0.00	Medium dense grey slightly silty slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
16.00-16.50	B 33							
17.00-17.45 17.00-17.45 17.00-17.45	SPT S D 34 B 35	N=16 (2,3/4,4,4,4)	17.00	0.00				
18.00-18.50	B 36							
19.00-19.45 19.00-19.45 19.00-19.45	SPT S D 37 B 38	N=19 (1,2/4,5,4,6)	19.00	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.45 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 07/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m	Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)				
20.00-20.45	D 39		11/10/2010 20.45	0.00	Medium dense grey slightly silty slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
EXPLORATORY HOLE ENDS AT 20.45 m						20.45	-19.13		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT		Start 12/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m		Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL.	0.10 +1.57								
0.50-1.00	B 2			Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint. (MADE GROUND)	(0.90)									
1.20-1.70	B 3			CONCRETE recovered as subangular to subrounded fine to coarse GRAVEL. (MADE GROUND)	1.00 +0.67 (0.60)									
1.60	D 4			Medium dense brown slightly clayey very gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint. (Possibly MADE GROUND)	1.60 +0.07									
2.50-2.95 2.50-2.95 2.50-2.95	SPT S D 5 B 6	N=16 (2,2/3,3,4,6)	2.50	1.00										
3.50-4.00	B 7				(3.70)									
4.50-5.00	B 8													
Stratum continues to 5.30 m														
Groundwater Entries No. Struck Post strike behaviour Depth sealed (m) 1 1.00 Rose to 0.80 m after 20 minutes. Slow inflow -					Depth Related Remarks * From to (m)					Chiselling Depths (m) Time Tools used 1.20 -1.60 90 mins				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GEO3 BH2 Sheet 1 of 5				



Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT		Start 12/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m		Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
5.00-5.60 5.00-5.60 5.00-5.60	SPT S B 10 D 9	N=4 (/1,1,1,1) SW=300	4.60	4.00	Medium dense brown slightly clayey very gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint. (Possibly MADE GROUND)	5.30 -3.63			
5.30	D 11					(0.70)			
6.00-6.70 6.00-6.70 6.00-6.70	SPT S D 12 B 13	N=1 (/1,0,0,0) SW=400	5.80	3.50	Plastic brown silty clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	6.00 -4.33			
						(1.65)			
7.00-7.65 7.00-7.65 7.00-7.65	SPT S D 14 B 15	N=3 (/1,1,0,1) SW=350	6.90	4.00	Very soft grey silty CLAY with frequent plant debris present. Organic odour present. (RECENT DEPOSITS)				
8.00-8.45 8.00-8.45 8.00-8.45	SPT S D 16 B 17	N=1 (1,0/0,0,0,1)	7.60	5.30	Plastic brown silty clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	7.65 -5.98			
9.00-9.75 9.00-9.75 9.00-9.75	SPT S D 18 B 19	N=4 (/1,1,1,1) SW=450	8.90	6.20					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 12.50 m				
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10			Borehole GEO3 BH2		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 12:44:10			Project No.	Carried out for NNB Generation Company Limited			Sheet 2 of 5		

Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT		Start 12/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m		Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
10.00-10.50 10.00-10.50 10.00-10.50	SPT S D 20 B 21	N=4 (1,1,1,1) SW=200	9.10	7.50	Plastic brown silty clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	10.00 m becoming black	(4.85)		
11.00-11.45 11.00-11.45 11.00-11.45	SPT S D 22 B 23	N=6 (1,1,2,1,2,1)	10.00	8.20		11.00-11.45 m black amorphous peat			
12.00-12.55 12.00-12.55 12.00-12.55	SPT S D 24 B 25	N=5 (1,1,2,1,1) SW=250	10.80	10.20					
12.50 12.50	W 26 D 27				Medium dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	12.50 -10.83			
13.00-13.45 13.00-13.45 13.00-13.45	SPT S D 28 B 29	N=15 (1,2/3,4,4,4)	13.00	0.00					
14.00-14.45 14.00-14.45 14.00-14.45	SPT S D 30 B 31	N=20 (2,3/3,4,5,8)	14.00	0.00					
					Stratum continues to 20.45 m				
Groundwater Entries					Depth Related Remarks *				
No.	Struck (m)	Post strike behaviour	Depth sealed (m)			From	to (m)		Chiselling
2	12.50	Rose to 4.60 m after 20 minutes.	-						Depths (m) Time Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:44:11					Borehole GEO3 BH2 Sheet 3 of 5				

Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT		Start 12/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m		Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
15.00-15.45 15.00-15.45 15.00-15.45	SPT S D 32 D 33	N=33 (3,6/8,8,8,9)	15.00	0.00	Medium dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	15.00 m occasional shell fragments	[Symbol: 'x' in a square]	[Symbol: Diagonal lines]	
			12/10/2010						
			15.10	0.00					
			13/10/2010	0800					
			15.10	3.30					
16.00-16.50	B 34					(7.95)			
17.00-17.45 17.00-17.45 17.00-17.50	SPT S D 35 B 36	N=32 (2,4/4,8,10,10)	17.00	0.00					
18.00-18.50	B 37								
19.00-19.45 19.00-19.45 19.00-19.45	SPT S D 38 B 39	N=31 (2,4/6,6,8,11)	19.00	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.45 m				
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m) 15.45 20.00 Water added.			Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:44:12			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GEO3 BH2 Sheet 4 of 5			

Borehole Log



Soil Mechanics

Drilled DC Logged EM Checked MT	Start 12/10/2010 End 13/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m	Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-20.45 20.00-20.45	SPT S D 40	N=22 (2,4/4,5,6,7)	20.00 13/10/2010 20.00	0.00 0.00	Medium dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	20.45 -18.78		
EXPLORATORY HOLE ENDS AT 20.45 m								

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 12/10/2010 End 12/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 4.00m		Diameter 200mm Casing Depth 4.00m		Ground Level Coordinates National Grid Chainage		
										+13.08 mOD E 645203.79 N 263772.72		
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey fine to medium SAND with rare rootlets. (MADE GROUND)			(1.30)	[Cross-hatched pattern]	[Diagram of borehole with depth markers]		
0.80	D 2											
1.20	D 3				1.20 m 1 piece of wood and 1 rag			1.30 +11.78				
2.20	D 4				Brown slightly clayey fine to medium SAND with rare rootlets. 1 No subangular cobble of red brick and 1 piece of plastic. (MADE GROUND)			(1.70)				
3.20	D 5				Firm orangish brown sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of various lithologies. (MADE GROUND)			3.00 +10.08 (0.50)				
4.00	D 6		12/10/2010 4.00	dry	Orangish brown very clayey SAND. (Possibly MADE GROUND)			3.50 +9.58 (0.50)		SP		
EXPLORATORY HOLE ENDS AT 4.00 m								4.00 +9.08				
Depth	Type & No	Records	Date Casing	Time Water								
Groundwater Entries					Depth Related Remarks *			Chiselling				
No. Struck		Post strike behaviour		Depth sealed (m)		From to (m)		Depths (m)		Time Tools used		
		None observed (see Key Sheet)										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com					Project No. A0012-10					GW1S		
408.24 21/02/2011 12:16:24					Carried out for NNB Generation Company Limited					Sheet 1 of 1		

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 05/10/2010 End 11/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m		Ground Level +13.19 mOD Coordinates E 645203.71 National Grid N 263771.17 Chainage		
Samples and Tests				Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.	05/10/2010 1.20	dry	Brown slightly silty slightly gravelly fine SAND with rare rootlets and fragments of plastic. Gravel is subangular fine to medium of flint. (MADE GROUND)			(0.50)	[Cross-hatched pattern]	[Vertical lines]
0.80	D 2				Brown slightly silty slightly gravelly fine SAND. Gravel is subangular fine to coarse of flint and sandstone. (MADE GROUND)			0.50 +12.69 (0.30)		
1.20	D 3				Stiff orangish brown sandy slightly gravelly CLAY. Gravel is fine to medium subangular of various lithologies including flint and chalk. (MADE GROUND)			0.80 +12.39		
2.20	D 4		06/10/2010 1.20	0800 dry				(3.40)		
3.20	D 5									
4.20	D 6				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subrounded fine of chalk. (CRAG DEPOSITS)			4.20 +8.99	[Stippled pattern]	
Depth		Type & No	Records	Date Casing	Time Water	Stratum continues to 16.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used 1.70 -1.80 30 mins 4.00 -4.20 45 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited				Borehole GW1D Sheet 1 of 4		



Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 05/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m	Ground Level +13.19 mOD Coordinates E 645203.71 National Grid N 263771.17 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.20	D 7				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subrounded fine of chalk. (CRAG DEPOSITS)			
6.20	D 8							
7.20	D 9							
8.20	D 10							
9.20	D 11							
			06/10/2010 10.00	9.50				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 16.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 05/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m	Ground Level +13.19 mOD Coordinates E 645203.71 National Grid N 263771.17 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
10.00	D 12		07/10/2010	0800	Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subrounded fine of chalk. (CRAG DEPOSITS)		(11.80)		
			10.00	dry					
11.00	D 13								
			07/10/2010	12.00					
12.00	D 14		11/10/2010	0800	Stratum continues to 16.00 m				
			12.00	11.00					
13.00	D 15								
			11/10/2010	0800					
14.00	D 16								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 16.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 05/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m	Ground Level +13.19 mOD Coordinates E 645203.71 National Grid N 263771.17 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
15.00	D 17				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subrounded fine of chalk. (CRAG DEPOSITS)			
16.00	D 18		11/10/2010	16.00 13.00	EXPLORATORY HOLE ENDS AT 16.00 m	16.00 -2.81		SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 13/10/2010 End 15/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m		Ground Level +13.07 mOD Coordinates E 645268.80 National Grid N 263831.03 Chainage				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular fine to coarse of flint. (RECENT DEPOSITS)	(0.80)						
0.80	D 2				Brown slightly silty fine to medium SAND. (CRAG DEPOSITS)	0.80 +12.27						
1.20	D 3											
1.70	D 4											
2.70	D 5									(2.60)		
3.70	D 6			13/10/2010		Brown slightly silty very gravelly fine to coarse SAND. Gravel is subangular fine to medium of various lithologies including flint. (CRAG DEPOSITS)				3.40 +9.67		
				4.00	3.20	Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)				3.60 +9.47		
4.70	D 7		14/10/2010	0800								
			4.00	2.60								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 9.70 m							
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW2 Sheet 1 of 4		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:25					AGS							

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 13/10/2010 End 15/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m	Ground Level +13.07 mOD Coordinates E 645268.80 National Grid N 263831.03 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.70	D 8				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)	(6.10)		
6.70	D 9							
7.70	D 10							
8.70	D 11							
9.70	D 12				Orangish brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to medium	9.70 +3.37		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 14.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:26	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW2 Sheet 2 of 4
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 13/10/2010 End 15/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m	Ground Level +13.07 mOD Coordinates E 645268.80 National Grid N 263831.03 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.70	D 13				of various lithologies including flint and sandstone. (CRAG DEPOSITS)	(5.00)		
11.70	D 14		14/10/2010 12.00					
12.70	D 15		15/10/2010 12.00	0800 11.00				
13.70	D 16							
14.70	D 17				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)	14.70 -1.63		
Stratum continues to 16.00 m								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 13/10/2010 End 15/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m	Ground Level +13.07 mOD Coordinates E 645268.80 National Grid N 263831.03 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.70	D 18		15/10/2010 16.00	13.00	Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)	(1.30)		
EXPLORATORY HOLE ENDS AT 16.00 m						16.00	-2.93	SP
Depth	Type & No	Records	Date Casing	Time Water	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)	Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW2 Sheet 4 of 4		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:27								

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 01/10/2010 End 03/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 14.00m		Diameter 200mm Casing Depth 14.00m		Ground Level Coordinates National Grid Chainage	
										+10.51 mOD E 645663.76 N 264143.46	
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
		0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL.						
0.30	D 1				Brown fine SAND with rare rootlets. (RECENT DEPOSITS)			0.20 +10.31 (0.50)			
0.70	D 2				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of flint and claystone. (CRAG DEPOSITS)			0.70 +9.81			
1.20	D 3										
2.20	D 4										
3.20	D 5										
4.20	D 6										
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 14.00 m						
Groundwater Entries					Depth Related Remarks *			Chiselling			
No. Struck		Post strike behaviour		Depth sealed (m)	From to (m)			Depths (m)	Time	Tools used	
		None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW3 Sheet 1 of 3	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:30					AGS						

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 01/10/2010 End 03/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 14.00m Diameter 200mm Casing Depth 14.00m	Ground Level +10.51 mOD Coordinates E 645663.76 National Grid N 264143.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.20	D 7				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of flint and claystone. (CRAG DEPOSITS)			
6.20	D 8							
7.20	D 9		01/10/2010 7.60	6.70		(13.30)		
8.20	D 10		02/10/2010 7.60	0800 6.90				
9.20	D 11							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 14.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW3 Sheet 2 of 3
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 01/10/2010 End 03/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 14.00m Diameter 200mm Casing Depth 14.00m	Ground Level +10.51 mOD Coordinates E 645663.76 National Grid N 264143.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.20	D 12				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of flint and claystone. (CRAG DEPOSITS)			
11.20	D 13							
12.20	D 14		02/10/2010 12.00	0800 10.50				
			03/10/2010 12.00	0800 8.90				
13.20	D 15							
			03/10/2010 14.00	10.20				
EXPLORATORY HOLE ENDS AT 14.00 m						14.00	-3.49	SP
Depth	Type & No	Records	Date Casing	Time Water				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 17/10/2010 End 17/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.70m Diameter 200mm Casing Depth 10.70m		Ground Level +7.17 mOD Coordinates E 646261.56 National Grid N 264492.19 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +6.97				
0.80	D 2		Orangish brown slightly silty fine to medium SAND. (CRAG DEPOSITS)							
1.20	D 3									
2.20	D 4									
3.20	D 5									
4.20	D 6									
					Stratum continues to 10.70 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW4 Sheet 1 of 3		



Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 17/10/2010 End 17/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.70m Diameter 200mm Casing Depth 10.70m	Ground Level +7.17 mOD Coordinates E 646261.56 National Grid N 264492.19 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.50	D 7				Orangish brown slightly silty fine to medium SAND. (CRAG DEPOSITS)	(10.50)		
6.20	D 8							
7.20	D 9							
8.20	D 10							
9.20	D 11							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW4 Sheet 2 of 3
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Scale 1:25

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408.24 21/02/2011 12:16:36



Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 17/10/2010 End 17/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.70m Diameter 200mm Casing Depth 10.70m	Ground Level +7.17 mOD Coordinates E 646261.56 National Grid N 264492.19 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			17/10/2010		Orangish brown slightly silty fine to medium SAND. (CRAG DEPOSITS)			
					EXPLORATORY HOLE ENDS AT 10.70 m	10.70 -3.53		SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT		Start 16/09/2010 End 16/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m		Ground Level +7.04 mOD Coordinates E 646845.74 National Grid N 264688.38 Chainage																										
Samples and Tests					Strata																													
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments																										
0.30	D 1				TOPSOIL. Brown fine SAND with occasional wood fragments less than 30mm in size. (MADE GROUND)	0.10 +6.94 (0.70)																												
0.80	D 2				Light brown and orangish brown slightly silty slightly gravelly fine to medium SAND with rare fine gravel size shell fragments from 1.70m. Gravel is angular to subrounded fine to coarse of flint and rare quartz. (CRAG DEPOSITS)	0.80 +6.24																												
1.20	D 3																																	
1.70	D 4																																	
2.70	D 5																																	
3.70	D 6																																	
4.70	D 7																																	
Depth					Type & No					Records					Date Casing					Time Water					Stratum continues to 9.70 m									
Groundwater Entries					No. Struck Post strike behaviour (m)					Depth sealed (m)					Depth Related Remarks * From to (m)					Chiselling Depths (m)					Time					Tools used				
None observed (see Key Sheet)																																		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole					SITE A0012-10					GW5					Sheet 1 of 4									
Scale 1:25					(c) Soil Mechanics www.soil-mechanics.com					AGS					Project No. A0012-10					Carried out for NNB Generation Company Limited														

Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT		Start 16/09/2010 End 16/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m		Ground Level +7.04 mOD Coordinates E 646845.74 National Grid N 264688.38 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
5.70	D 8				Light brown and orangish brown slightly silty slightly gravelly fine to medium SAND with rare fine gravel size shell fragments from 1.70m. Gravel is angular to subrounded fine to coarse of flint and rare quartz. (CRAG DEPOSITS)	(8.90)				
7.70	D 9		16/09/2010 7.70	5.00						
			17/09/2010 7.70	0800						
8.70	D 10				8.70 m soft orangish brown slightly gravelly sandy clay					
9.70	D 11				Orangish brown slightly silty slightly gravelly fine SAND. Gravel is subangular to subrounded fine to medium of	9.70 -2.67				
Depth Type & No Records Date Casing Time Water					Stratum continues to 11.70 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		Depth Related Remarks * From to (m)			
							Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project Project No. Carried out for			ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 NNB Generation Company Limited		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:40					Borehole GW5			Sheet 2 of 4		

Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT	Start 16/09/2010 End 16/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m	Ground Level +7.04 mOD Coordinates E 646845.74 National Grid N 264688.38 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.70	D 12				claystone. (CRAG DEPOSITS)	(2.00)		
11.70	D 13				Orangish brown slightly silty gravelly fine SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of claystone. (CRAG DEPOSITS)	11.70 -4.67		
12.70	D 14							
13.70	D 15							
14.70	D 16							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT	Start 16/09/2010 End 16/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m	Ground Level +7.04 mOD Coordinates E 646845.74 National Grid N 264688.38 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
15.70	D 17				Orangish brown slightly silty gravelly fine SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of claystone. (CRAG DEPOSITS)	(8.30)		
16.70	D 18							
17.70	D 19							
18.70	D 20							
19.70	D 21		17/09/2010					
					EXPLORATORY HOLE ENDS AT 20.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:41	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW5 Sheet 4 of 4
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Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT		Start 28/09/2010 End 28/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.		Depth from 0.00m to 11.50m Diameter 200mm Casing Depth 11.50m		Ground Level +7.00 mOD Coordinates E 646845.25 National Grid N 264689.72 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
		0.00-1.20 m Hand excavated inspection pit.			<p>OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.00-0.10m. (TOPSOIL)</p> <p>OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.10-0.80m. (MADE GROUND)</p> <p>OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.80-9.70m (CRAG DEPOSITS)</p>	0.10 +6.90 (0.70) 0.80 +6.20				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 9.70 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW5A Sheet 1 of 3		



Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT	Start 28/09/2010 End 28/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 0.00m to 11.50m Diameter 200mm Casing Depth 11.50m	Ground Level +7.00 mOD Coordinates E 646845.25 National Grid N 264689.72 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.80-9.70m (CRAG DEPOSITS)	(8.90)		
					OPEN HOLE BORING. No samples recovered. See GW5 strata from 9.70-11.50m.	9.70 -2.70		
					Stratum continues to 11.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW5A Sheet 2 of 3
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Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT	Start 28/09/2010 End 28/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 0.00m to 11.50m Diameter 200mm Casing Depth 11.50m	Ground Level +7.00 mOD Coordinates E 646845.25 National Grid N 264689.72 Chainage				
Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)			
			28/09/2010 11.50	6.40	(CRAG DEPOSITS)	(1.80)		
					EXPLORATORY HOLE ENDS AT 11.50 m	11.50 -4.50		SP
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole <b style="font-size: 1.2em;">GW5A Sheet 3 of 3				



Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 03/10/2010 End 03/10/2010		Equipment, Methods and Remarks Dando 2000 Cale percussion boring.		Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m		Ground Level +0.70 mOD Coordinates E 647287.82 National Grid N 264395.34 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +0.50								
0.60	D 2				Brown sandy angular to subangular fine to coarse GRAVEL of various lithologies including flint and granite. (Possibly MADE GROUND)									
1.20	D 3													
2.20	D 4													
3.20	D 5													
4.20	D 6													
			03/10/2010	0.20	PEAT. (Foreman's description) (RECENT DEPOSITS)	4.70 -4.00 (0.30)			SP					
					EXPLORATORY HOLE ENDS AT 5.00 m									
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW6S Sheet 1 of 1				



Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.20m Diameter 200mm Casing Depth	Ground Level +0.75 mOD Coordinates E 647288.93 National Grid N 264397.44 Chainage					
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.	18/09/2010		Brown silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +0.65			
0.70	D 2			Orange brown slightly silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(0.40)				
1.20	D 3			Dark grey silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	0.50 +0.25				
					EXPLORATORY HOLE ENDS AT 1.20 m	(0.70)			
						1.20 -0.45			
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *		
					No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	From 1.20 to (m)	Borehole terminated due to obstruction.	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW6D Sheet 1 of 1			



Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 18/09/2010 End 18/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m		Ground Level +0.71 mOD Coordinates E 647288.22 National Grid N 264396.09 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
		0.00-1.20 m Hand excavated inspection pit.			Brown silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.20 +0.51								
					Orange brown slightly silty gravelly fine to coarse SAND with occasional fine to coarse gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(0.30) 0.50 +0.21								
					Dark grey silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(0.70) 1.20 -0.49								
1.70	D 4				Brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies including flint and quartz. Sand is fine to coarse. Foreman reports cobbles of flint and concrete. (MADE GROUND)									
2.70	D 5					(3.70)								
3.70	D 6													
4.70	D 7													
					Stratum continues to 6.00 m	4.90 -4.19								
Groundwater Entries		No. Struck Post strike behaviour (m)		Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used							
None observed (see Key Sheet)							1.90 -2.00 15 mins							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW6DA Sheet 1 of 4				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:48					AGS									

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 18/09/2010 End 18/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m		Ground Level +0.71 mOD Coordinates E 647288.22 National Grid N 264396.09 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments						
5.70	D 8		18/09/2010 6.00		Plastic brown amorphous PEAT. (RECENT DEPOSITS)	(1.10)								
6.50	D 9		19/09/2010 6.00	0800 1.00	Brown slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	6.00 -5.29								
7.50	D 10													
8.50	D 11													
9.50	D 12													
					Stratum continues to 20.00 m									
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used						
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW6DA Sheet 2 of 4				

Scale 1:25

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408.24 21/02/2011 12:16:49



Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m	Ground Level +0.71 mOD Coordinates E 647288.22 National Grid N 264396.09 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.50	D 13				Brown slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
11.50	D 14							
12.50	D 15							
13.50	D 16							
14.50	D 17							
					Stratum continues to 20.00 m	(14.00)		
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW6DA Sheet 3 of 4		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:50								

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m	Ground Level +0.71 mOD Coordinates E 647288.22 National Grid N 264396.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
15.50	D 18				Brown slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
16.50	D 19							
17.50	D 20							
18.50	D 21							
19.50	D 22							
			19/09/2010	20.00	2.40			
					EXPLORATORY HOLE ENDS AT 20.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW6DA Sheet 4 of 4
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Scale 1:25

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408.24 21/02/2011 12:16:51



Borehole Log



Soil Mechanics

Drilled MR Logged GA/EM Checked MT	Start 26/07/2010 End 27/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 7.60m Diameter 200mm Casing Depth 7.60m 150mm 9.20m	Ground Level +1.89 mOD Coordinates E 647244.93 National Grid N 264293.32 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular fine to coarse of mixed lithologies including flint and quartz. (MADE GROUND)			
1.10	D 2					(1.60)		
1.60	D 3				Orangish brown very sandy GRAVEL. Gravel is subangular to rounded fine to medium of mixed lithologies including flint and quartz. (MADE GROUND)	1.60 +0.29		
2.00	D 4							
3.00	D 5							
4.00	D 6					(5.40)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 7.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 7.40 Water added to assist boring.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged GA/EM Checked MT	Start 26/07/2010 End 27/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 7.60m Diameter 200mm Casing Depth 7.60m 150mm 9.20m	Ground Level +1.89 mOD Coordinates E 647244.93 National Grid N 264293.32 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.00	D 7				Orangish brown very sandy GRAVEL. Gravel is subangular to rounded fine to medium of mixed lithologies including flint and quartz. (MADE GROUND)			
6.00	D 8				6.00-7.00 m becoming slightly sandy			
7.00	D 9		26/07/2010 7.40	0800 0.00	Plastic brown clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	7.00 -5.11 (0.80)		
8.00	D 10		27/07/2010 7.40	0800 1.60	Light brownish grey slightly silty fine to medium SAND. (CRAG DEPOSITS)	7.80 -5.91		
9.00	D 11					(2.70)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 6.60 7.60 Bentonite seal added for clean drilling purposes.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW7 Sheet 2 of 3
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Borehole Log



Soil Mechanics

Drilled MR Logged GA/EM Checked MT	Start 26/07/2010 End 27/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 7.60m Diameter 200mm Casing Depth 7.60m 150mm 9.20m	Ground Level +1.89 mOD Coordinates E 647244.93 National Grid N 264293.32 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
-10.50	D 12		27/07/2010 9.20		Light brownish grey slightly silty fine to medium SAND. (CRAG DEPOSITS)	10.50 -8.61		
					EXPLORATORY HOLE ENDS AT 10.50 m			
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole <b style="font-size: 1.2em;">GW7 Sheet 3 of 3		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:56								

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 08/12/2010 End 09/12/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 15.70m Diameter 200mm Casing Depth 15.00m		Ground Level +7.27 mOD Coordinates E 647469.72 National Grid N 264355.19 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
		0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.10 +7.17								
0.30	D 1				Orangish brown slightly clayey SAND with rare fine gravel size shell fragments and rare rootlets. (MADE GROUND)	0.30 +6.97								
0.80	D 2				Light brown slightly clayey slightly gravelly SAND. Gravel is subangular fine to coarse of various lithologies including sandstone. (MADE GROUND)	(0.90)								
1.00	D 3													
2.00	D 4				Brown very sandy subangular to subrounded fine to coarse GRAVEL of various lithologies including flint and quartzite. (MADE GROUND)	1.20 +6.07								
3.00	D 5					(3.70)								
4.00	D 6													
						4.90 +2.37								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 6.20 m									
Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)					Depth Related Remarks * From to (m)					Chiselling Depths (m) Time Tools used				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW8 Sheet 1 of 4				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:58					AGS									

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 08/12/2010 End 09/12/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 15.70m Diameter 200mm Casing Depth 15.00m		Ground Level +7.27 mOD Coordinates E 647469.72 National Grid N 264355.19 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
5.00	D 7				Brown sandy subangular to subrounded fine to coarse GRAVEL of various lithologies including flint and quartzite. (MADE GROUND)		(1.30)			
6.00	D 8				Grey slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of various lithologies including flint and quartzite. (MADE GROUND)		6.20 +1.07			
7.00	D 9									
8.00	D 10						(4.60)			
9.00	D 11		08/12/2010 9.00	6.50						
			09/12/2010 9.00	0800 6.40						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.80 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Project No. Carried out for			ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 NNB Generation Company Limited			Borehole GW8 Sheet 2 of 4	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:16:59			AGS							

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 08/12/2010 End 09/12/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 15.70m Diameter 200mm Casing Depth 15.00m	Ground Level +7.27 mOD Coordinates E 647469.72 National Grid N 264355.19 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00	D 12				Grey slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of various lithologies including flint and quartzite. (MADE GROUND)			
11.00	D 13				Soft to very soft grey silty CLAY with frequent organic matter. (RECENT DEPOSITS)	10.80 -3.53		
12.00	D 14					(2.20)		
13.00	D 15				Plastic brown clayey amorphous PEAT. (RECENT DEPOSITS)	13.00 -5.73		
14.00	D 16					(2.40)		
					Stratum continues to 15.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:00	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW8 Sheet 3 of 4
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 08/12/2010 End 09/12/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 15.70m Diameter 200mm Casing Depth 15.00m	Ground Level +7.27 mOD Coordinates E 647469.72 National Grid N 264355.19 Chainage					
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
15.00	D 17				Plastic brown clayey amorphous PEAT. (RECENT DEPOSITS)				
			09/12/2010		Foreman reports grey SAND. (RECENT DEPOSITS)	15.40 -8.13 (0.30)			
			15.00	6.20	EXPLORATORY HOLE ENDS AT 15.70 m	15.70 -8.43			
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW8 Sheet 4 of 4	



Borehole Log



Soil Mechanics

Drilled MR Logged JR Checked MT		Start 04/09/2010 End 05/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.		Depth from 1.20m to 6.20m Diameter 200mm Casing Depth 6.20m		Ground Level Coordinates National Grid Chainage	
								+3.05 mOD E 647592.37 N 264454.95	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
		0.00-1.20 m Hand excavated inspection pit.			OPEN HOLE BORING. No samples recovered. See GW9D strata from 0.00-0.30m. (MADE GROUND)	0.20 +2.85			
					OPEN HOLE BORING. No samples recovered. See GW9D strata from 0.20-1.20m. (MADE GROUND)	(1.00)			
					OPEN HOLE BORING. No samples recovered. See GW9D strata from 1.20-4.70m. (RECENT DEPOSITS)	1.20 +1.85			
			04/09/2010						
			05/09/2010	0800		(3.50)			
					OPEN HOLE BORING. No samples recovered. See GW9D strata from 4.70-6.20m..	4.70 -1.65			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 6.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW9S Sheet 1 of 2			



Borehole Log



Soil Mechanics

Drilled MR Logged JR Checked MT	Start 04/09/2010 End 05/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 1.20m to 6.20m Diameter 200mm Casing Depth 6.20m	Ground Level +3.05 mOD Coordinates E 647592.37 National Grid N 264454.95 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
					(RECENT DEPOSITS)	(1.30)					
			05/09/2010		OPEN HOLE BORING. No samples recovered See GW9D strata from 6.20-10.20m. (RECENT DEPOSITS)	6.00 -2.95			SP		
					EXPLORATORY HOLE ENDS AT 6.20 m	6.20 -3.15					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged ST/EM Checked MT		Start 02/09/2010 End 03/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 9.00m		to 9.00m 20.00m		Diameter 200mm 150mm		Casing Depth 9.00m 20.00m		Ground Level Coordinates National Grid Chainage	
												+3.06 mOD E 647592.49 N 264455.96			
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description							Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown fine to medium SAND with frequent rootlets. (MADE GROUND)							(0.30)			
0.70	D 2		Grey sandy angular to rounded fine to medium GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)							0.30 +2.76 0.50 +2.56					
1.50	D 3		Yellow gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Possibly MADE GROUND)							(0.70)					
2.50	D 4		Multicoloured slightly sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies including flint and quartz. (Possibly RECENT DEPOSITS)							1.20 +1.86					
3.50	D 5									(3.50)					
4.50	D 6														
					Dark grey slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint and quartz.							4.70 -1.64			
Depth		Type & No	Records	Date Casing	Time Water	Stratum continues to 6.20 m									
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)	Depth Related Remarks * From to (m) 4.20 6.20 Re-drill borehole due to collapse.					Chiselling Depths (m) Time Tools used				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW9D Sheet 1 of 4					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:03															

Borehole Log



Soil Mechanics

Drilled MR Logged ST/EM Checked MT		Start 02/09/2010 End 03/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 9.00m		to 9.00m 20.00m		Diameter 200mm 150mm		Casing Depth 9.00m 20.00m		Ground Level Coordinates National Grid Chainage		+3.06 mOD E 647592.49 N 264455.96																		
Samples and Tests					Strata																													
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments																						
5.50	D 7				Sand is fine to coarse. (Possibly RECENT DEPOSITS)					(1.50)																								
6.20	D 8				Very soft grey slightly gravelly CLAY with occasional pockets of plastic brown amorphous peat. Gravel is subangular to subrounded fine of flint. (RECENT DEPOSITS)					6.20 -3.14																								
7.20	D 9		02/09/2010 7.20	2.00																														
8.20	D 10		03/09/2010 7.20	0800																														
9.20	D 11																																	
Depth					Type & No					Records					Date Casing		Time Water		Stratum continues to 10.20 m															
Groundwater Entries			No. Struck		Post strike behaviour (m)		Depth sealed (m)		Depth Related Remarks *				Chiselling Depths (m)		Time		Tools used																	
None observed (see Key Sheet)																																		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project					ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole																			
Scale 1:25					(c) Soil Mechanics www.soil-mechanics.com					AGS					Project No.					SITE					A0012-10					GW9D				
408.24 21/02/2011 12:17:04					Carried out for					NNB Generation Company Limited																				Sheet 2 of 4				

Borehole Log



Soil Mechanics

Drilled MR Logged ST/EM Checked MT	Start 02/09/2010 End 03/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 9.00m Diameter 200mm Casing Depth 9.00m 150mm 20.00m	Ground Level +3.06 mOD Coordinates E 647592.49 National Grid N 264455.96 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
10.20	D 12				Very soft grey slightly gravelly CLAY with occasional pockets of plastic brown amorphous peat. Gravel is subangular to subrounded fine of flint. (RECENT DEPOSITS)	10.20 -7.14				
					Firm black clayey amorphous PEAT. (RECENT DEPOSITS)	(1.30)				
11.20	D 13									
					Grey silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine of mixed lithologies including flint. (CRAG DEPOSITS)	11.50 -8.44				
12.20	D 14									
13.20	D 15									
14.20	D 16									
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged ST/EM Checked MT	Start 02/09/2010 End 03/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 9.00m Diameter 200mm Casing Depth 9.00m 20.00m	Ground Level +3.06 mOD Coordinates E 647592.49 National Grid N 264455.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
15.20	D 17				Grey silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine of mixed lithologies including flint. (CRAG DEPOSITS)	(8.50)		
16.20	D 18							
17.20	D 19							
18.20	D 20							
19.20	D 21							
			03/09/2010					
EXPLORATORY HOLE ENDS AT 20.00 m								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 28/07/2010 End 29/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 5.00m		Ground Level +1.76 mOD Coordinates E 647394.01 National Grid N 264178.00 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown gravelly fine to coarse SAND with low cobble content. Gravel is angular to subangular fine to coarse of mixed lithologies including flint, brick and concrete. Cobbles are angular to subangular of concrete and brick. (MADE GROUND)	(0.50)				
0.60	D 2				Greyish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint. Slight organic odour present. (MADE GROUND)	0.50 +1.26				
1.60	D 3					(3.00)				
2.50	D 4									
3.50	D 5				Brown sandy GRAVEL. Gravel is subangular to subrounded fine to coarse of mixed lithologies including quartz and flint. (MADE GROUND)	3.50 -1.74				
4.50	D 6					(1.50)				
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)					Depth Related Remarks * From to (m) 0.00 5.00 Water added to assist boring.		Chiselling Depths (m) Time Tools used 1.20 -1.40 15 mins			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW10 Sheet 1 of 2		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:11										

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 28/07/2010 End 29/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 5.00m		Ground Level +1.76 mOD Coordinates E 647394.01 National Grid N 264178.00 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
5.00	D 7				Very soft slightly sandy clayey SILT with occasional pockets of firm brown pseudo-fibrous clayey peat. (RECENT DEPOSITS)	5.00 -3.24		SP	
5.50	D 8		28/07/2010 5.00	5.00					
			29/07/2010 5.00	0800 1.50					
6.50	D 9					(3.50)			
7.50	D 10								
8.50	D 11				Grey silty fine to medium SAND. (CRAG DEPOSITS)	8.50 -6.74			
9.60	D 12		29/07/2010			(1.50)			
					EXPLORATORY HOLE ENDS AT 10.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW10 Sheet 2 of 2	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:11					AGS				

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 15/07/2010 End 16/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +1.48 mOD Coordinates E 647150.02 National Grid N 264095.03 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.20	D 1	0.00-1.20 m Hand excavated inspection pit.	15/07/2010	0800	Brown slightly gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.10 +1.38			
					(0.70)				
0.80	D 2				Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm brown sandy clay. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.80 +0.68			
1.50	D 3				Brownish grey, locally dark grey, silty slightly gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to medium of mixed lithologies including flint and shell fragments. (MADE GROUND)				
2.50	D 4								
3.50	D 5								
4.50	D 6					(4.70)			
Stratum continues to 5.50 m									
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m) 1.20 10.00 Water added to assist boring.			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW11S Sheet 1 of 3	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:13									

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 15/07/2010 End 16/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +1.48 mOD Coordinates E 647150.02 National Grid N 264095.03 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
5.50	D 7				Brownish grey, locally dark grey, silty slightly gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to medium of mixed lithologies including flint and shell fragments. (MADE GROUND)	5.50 -4.02								
6.20	D 8				Soft grey, locally brown, CLAY with occasional pockets of brownish grey plastic clayey pseudo-fibrous peat. Organic odour present. (RECENT DEPOSITS)	(2.30)								
7.00	D 9													
8.00	D 10				Brownish grey plastic clayey amorphous PEAT. Strong organic odour present. (RECENT DEPOSITS)	7.80 -6.32								
9.00	D 11					(2.00)								
			16/07/2010		Grey silty slightly gravelly fine to	9.80 -8.32								
			10.00	0.00										
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
					No. Struck	Post strike behaviour (m)	Depth sealed (m)	Chiselling Depths (m)	Time	Tools used				
					None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW11S Sheet 2 of 3				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:14					AGS									

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 15/07/2010 End 16/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m	Ground Level +1.48 mOD Coordinates E 647150.02 National Grid N 264095.03 Chainage				
Samples and Tests		Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00	D 12				coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (CRAG DEPOSITS) ----- EXPLORATORY HOLE ENDS AT 10.00 m	10.00 -8.52		
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) Depth sealed (m)					Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
None observed (see Key Sheet)								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole GW11S Sheet 3 of 3	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:15								

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 25/07/2010 End 25/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 0.00m to 6.00m Diameter 200mm Casing Depth 6.00m	Ground Level Coordinates National Grid Chainage +1.50 mOD E 647151.53 N 264095.47				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit. *			Brown clayey fine to coarse SAND with frequent rootlets. (MADE GROUND) Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm to stiff orangish brown thinly laminated clay. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. Occasional fine to medium gravel size shell fragments. (MADE GROUND) Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine of mixed lithologies including flint. (MADE GROUND) CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably MADE GROUND)	0.10 +1.40 (0.90) 1.00 +0.50 1.20 +0.30 (4.00)	1	SP
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 5.20 m			
Groundwater Entries					Depth Related Remarks *		Chiselling	
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	From (m)	Time	Tools used
1	1.00	Remaining at 1.00m after 20mins.	-	0.00	6.00	0.00	6.00	Water added to assist boring. No samples taken.
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole GW11S1 Sheet 1 of 2	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:51:37								

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 25/07/2010 End 25/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 0.00m	to 6.00m	Diameter 200mm	Casing Depth 6.00m	Ground Level +1.50 mOD Coordinates E 647151.53 National Grid N 264095.47 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably MADE GROUND)	5.20 -3.70		
			25/07/2010	6.00	CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably RECENT DEPOSITS)	(0.80)		
					EXPLORATORY HOLE ENDS AT 6.00 m	6.00 -4.50		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:51:38	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole GW11S1 Sheet 2 of 2
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 21/07/2010 End 23/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 10.00m		to 10.00m 21.00m		Diameter 200mm 150mm		Casing Depth 10.00m 21.00m		Ground Level Coordinates National Grid Chainage		+1.48 mOD E 647149.25 N 264094.93	
Samples and Tests					Strata					Depth, Level/ (Thickness)		Legend		Backfill/ Instruments			
Depth	Type & No	Records	Date Casing	Time Water	Description												
					Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)					0.10 +1.38		[Cross-hatched pattern]		[Vertical lines pattern]			
					Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm yellowish brown sandy clay. Gravel is subangular to rounded fine to medium of mixed lithologies including flint and shell fragments. (MADE GROUND)					(1.10)							
					CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably MADE GROUND)					1.20 +0.28							
					Stratum continues to 5.20 m					(4.00)							
Groundwater Entries		No. Struck Post strike behaviour (m)		Depth sealed (m)		Depth Related Remarks *					Chiselling Depths (m)		Time		Tools used		
		None observed (see Key Sheet)				0.00 15.30 Water added to assist boring.											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW11D Sheet 1 of 5							
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:17					AGS												

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 21/07/2010 End 23/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m 150mm 21.00m	Ground Level +1.48 mOD Coordinates E 647149.25 National Grid N 264094.93 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)			
			21/07/2010		CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably MADE GROUND)	5.20 -3.72		
			22/07/2010	0800	CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata description for GW11S.) (Probably RECENT DEPOSITS)	(4.60)		
					Brownish grey silty slightly gravelly	9.80 -8.32		
					Stratum continues to 21.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 9.00 10.00 Bentonite seal added for clean drilling purposes.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 21/07/2010 End 23/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 10.00m		to 10.00m 21.00m		Diameter 200mm 150mm		Casing Depth 10.00m 21.00m		Ground Level +1.48 mOD		Coordinates E 647149.25 N 264094.93													
Samples and Tests					Strata					Chainage																			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)					Depth, Level (Thickness)	Legend	Backfill/ Instruments																	
11.30	D 1				fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)																								
12.30	D 2																												
13.30	D 3									13.30 m slightly silty																			
14.30	D 4									14.30 m slightly silty																			
Depth					Type & No					Records					Date Casing		Time Water		Stratum continues to 21.00 m										
Groundwater Entries			No. Struck		Post strike behaviour (m)		Depth sealed (m)		Depth Related Remarks *					Chiselling Depths (m)		Time		Tools used											
None observed (see Key Sheet)																													
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project					ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole														
Scale 1:25					(c) Soil Mechanics www.soil-mechanics.com					AGS					Project No.					SITE					GW11D				
408.24 21/02/2011 12:17:18					Carried out for					NNB Generation Company Limited					Sheet 3 of 5														

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 21/07/2010 End 23/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m 10.00m 21.00m	Ground Level +1.48 mOD Coordinates E 647149.25 National Grid N 264094.93 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)				
15.30	D 5		22/07/2010		Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	(11.20)			
			23/07/2010	0800					
16.30	D 6								
17.30	D 7								
18.30	D 8								
19.30	D 9								
Stratum continues to 21.00 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 17.00 20.00 Re-drill due to blowing sands.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW11D Sheet 4 of 5
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 21/07/2010 End 23/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm 150mm Casing Depth 10.00m 21.00m	Ground Level +1.48 mOD Coordinates E 647149.25 National Grid N 264094.93 Chainage		
Samples and Tests				Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			23/07/2010		Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
					EXPLORATORY HOLE ENDS AT 21.00 m	21.00 -19.52		
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
No. Struck Post strike behaviour (m) None observed (see Key Sheet)								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW11D Sheet 5 of 5		



Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 23/11/2010 End 07/12/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 12.70m		Diameter 200mm Casing Depth 12.70m		Ground Level +8.58 mOD Coordinates E 647508.00 National Grid N 264090.70 Chainage	
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
		0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)						
0.30	D 1				Orangish brown slightly silty SAND with occasional fine gravel size shell fragments and occasional pockets of stiff grey orange brown silty clay up to 20mm in size. (MADE GROUND)			0.20 +8.38			
0.80	D 2										
1.00	D 3										
2.00	D 4							(4.30)			
3.00	D 5				3.00 m becoming slightly gravelly. Gravel is angular to rounded of flint						
4.00	D 6										
					Orangish brown slightly silty gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including concrete, flint and granite.			4.50 +4.08			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 8.30 m						
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW12 Sheet 1 of 3	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:23											

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 23/11/2010 End 07/12/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 12.70m Diameter 200mm Casing Depth 12.70m	Ground Level +8.58 mOD Coordinates E 647508.00 National Grid N 264090.70 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.00	D 7				(MADE GROUND)			
6.00	D 8					(3.80)		
7.00	D 9		23/11/2010 7.00	6.50				
			24/11/2010 7.00	0800 5.00				
8.00	D 10					8.30 +0.28		
					Multicoloured slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)			
9.00	D 11		24/11/2010 10.00	6.10		(2.70)		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 11.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) 7.20 - 7.50 Time 60 mins Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:24	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW12 Sheet 2 of 3
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 23/11/2010 End 07/12/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 12.70m Diameter 200mm Casing Depth 12.70m	Ground Level +8.58 mOD Coordinates E 647508.00 National Grid N 264090.70 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00	D 12		07/12/2010	0800	Multicoloured slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)			
			10.00	7.70				
11.00	D 13				Dark grey slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)	11.00 -2.42		
						(1.70)		
12.00	D 14		07/12/2010		EXPLORATORY HOLE ENDS AT 12.70 m			
			12.70	8.70		12.70 -4.12		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW12 Sheet 3 of 3
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Scale 1:25

(c) Soil Mechanics www.soil-mechanics.com
 408.24 21/02/2011 12:17:25



Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 06/09/2010 End 06/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +3.19 mOD Coordinates E 647574.54 National Grid N 264085.00 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey fine to medium SAND with frequent rootlets. (MADE GROUND)	0.20 +2.99				
0.70	D 2		Yellowish grey sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)	(0.60)						
1.20	D 3		Multicoloured sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)	0.80 +2.39						
1.70	D 4									
2.70	D 5									
3.70	D 6									
4.70	D 7									
					Stratum continues to 5.50 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:27					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW13 Sheet 1 of 2		

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 06/09/2010 End 06/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +3.19 mOD Coordinates E 647574.54 National Grid N 264085.00 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
5.70	D 8				Multicoloured sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)	5.50 -2.31				
					Dark grey slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)	(1.30)				
6.70	D 9					6.80 -3.61				
7.50	D 10				Very soft grey slightly gravelly silty CLAY. Gravel is angular to rounded fine to medium of flint (possibly from above stratum). Strong organic odour present. (RECENT DEPOSITS)					
8.50	D 11					(3.20)				
9.50	D 12		06/09/2010 10.00	2.30					9.50 m occasional brown plant debris	
					EXPLORATORY HOLE ENDS AT 10.00 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m) 9.00 10.00 Redrill - borehole collapsed.				Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited				Borehole GW13 Sheet 2 of 2	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:28										

Borehole Log



Soil Mechanics

Drilled MR Logged ST/JH Checked MT		Start 03/08/2010 End 06/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)		Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m		Ground Level Coordinates National Grid Chainage		+1.58 mOD E 647316.70 N 264003.73		
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.48 (0.30)						
0.80	D 2				Yellowish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)	0.40 +1.18 (0.60)						
1.20	D 3				Brownish grey, locally dark grey, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. Organic odour present. (MADE GROUND)	1.00 +0.58						
2.20	D 4				Brownish grey silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)	(2.00)						
3.20	D 5		03/08/2010		Brownish grey slightly silty sandy GRAVEL with rare fine to medium gravel size shell fragments. Gravel is fine to coarse angular to subrounded of various lithologies including flint. (MADE GROUND)	3.00 -1.42 (1.20)						
4.20	D 6		04/08/2010	0800	Soft grey silty slightly sandy CLAY with occasional brown rootlets. Slight organic odour present. (RECENT DEPOSITS)	4.20 -2.62		SP				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 6.20 m							
Groundwater Entries					Depth Related Remarks *				Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From to (m)				Depths (m)	Time	Tools used	
1	1.00	Slow inflow	-						3.40-3.70	60 mins		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW15 Sheet 1 of 5		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 14:58:33					AGS							

Borehole Log



Soil Mechanics

Drilled MR Logged ST/JH Checked MT	Start 03/08/2010 End 06/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)	Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m	Ground Level +1.58 mOD Coordinates E 647316.70 National Grid N 264003.73 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.20	D 7				Soft grey silty slightly sandy CLAY with occasional brown rootlets. Slight organic odour present. (RECENT DEPOSITS)	(2.00)		
6.20	D 8				Plastic dark greyish brown clayey amorphous, locally pseudo-fibrous PEAT with a strong organic odour. (RECENT DEPOSITS)	6.20 -4.62		
7.20	D 9					(2.80)		
8.50	D 10							
9.00	D 11				8.80-9.00 m very soft dark brownish grey peaty clay	9.00 -7.42		
9.60-10.05	U 12	* 150 blows	9.60	0.00	Yellowish brown, locally greenish grey and dark grey, locally slightly silty fine to coarse SAND with frequent coarse sand to fine gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)			
					9.60-10.05 m U12 split tube description			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 13.05 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m) 9.60 22.40 2 No U100 hammer weights used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged ST/JH Checked MT	Start 03/08/2010 End 06/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)	Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m	Ground Level +1.58 mOD Coordinates E 647316.70 National Grid N 264003.73 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
10.50-10.95	U 13	200 blows	10.50	0.00	Yellowish brown, locally greenish grey and dark grey, locally slightly silty fine to coarse SAND with frequent coarse sand to fine gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	10.00 m black			
10.95	D 14			10.50-10.95 m U13 split tube description		(4.05)			
11.40-11.85	U 15	80 blows	11.40	0.00		11.40-11.85 m U15 split tube description			
12.10-12.55	U NR	120 blows No recovery	12.10	0.00	Grey slightly silty fine to coarse SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)				
12.55 12.60-13.05	D 17 U 18	200 blows	12.60	0.00		12.60-13.05 m U18 split tube description			13.05 -11.47
13.05	D 19								
13.30-13.75	U 20	100 blows	13.30	0.00		13.30-13.75 m U20 split tube description			
13.75	D 21		04/08/2010 13.30	0.00					
14.10-14.55	U 22	100 blows	05/08/2010 13.30	0800 0.00		14.10-14.55 m U22 split tube description			
14.70-15.15	U 23	27 blows	14.70	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.40 m				

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW15 Sheet 3 of 5
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Borehole Log



Soil Mechanics

Drilled MR Logged ST/JH Checked MT		Start 03/08/2010 End 06/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)		Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m		Ground Level +1.58 mOD Coordinates E 647316.70 National Grid N 264003.73 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
15.30-15.75	U 24	40 blows	15.30	0.00	Grey slightly silty fine to coarse SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)			15.30-15.75 m U24 split tube description	[Symbolic pattern]	[Hatched pattern]
16.00-16.45	U 25	44 blows	16.00	0.00				16.00-16.45 m U25 split tube description		
16.60-17.05	U 26	50 blows	16.60	0.00				16.60-17.05 m U26 split tube description		
			05/08/2010							
			17.30	0.00						
17.30-17.75	U 27	80 blows	17.30	0.00				17.30-17.75 m U27 split tube description		
								(9.35)		
18.10-18.55	U 28	17 blows	18.10	0.00				18.10-18.55 m U28 split tube description		
18.90-19.35	U 29	83 blows	18.90	0.00				18.90-19.35 m U29 split tube description		
19.60-20.05	U 30	40 blows	19.60	0.00				19.60-20.05 m U30 split tube description		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.40 m					
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling Depths (m) Time Tools used		
No.	Struck (m)	Post strike behaviour			From to (m)					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW15 Sheet 4 of 5		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 14:58:35					AGS					

Borehole Log



Soil Mechanics

Drilled MR Logged ST/JH Checked MT	Start 03/08/2010 End 06/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)	Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m	Ground Level +1.58 mOD Coordinates E 647316.70 National Grid N 264003.73 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
20.30-20.75	U 31	30 blows	20.30	0.00	Grey slightly silty fine to coarse SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	20.30-20.75 m U31 split tube description			
21.10-21.55	U 32	47 blows	21.10	0.00		21.10-21.55 m U32 split tube description			
21.70-22.15	U 33	40 blows	21.70	0.00		21.70-22.15 m U33 split tube description			
22.20-22.40	U NR	150 blows No recovery	06/08/2010 22.20	0.00					
EXPLORATORY HOLE ENDS AT 22.40 m						22.40	-20.82		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 22.10 -22.20 60 mins
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 08/08/2010 End 09/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m	to 20.00m	Diameter 200mm	Casing Depth 19.80m	Ground Level +6.48 mOD Coordinates E 647439.23 National Grid N 263800.30 Chainage
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.20 +6.28	[Cross-hatched pattern]	[Vertical line with dots]	
0.80	D 2				Light yellowish grey slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional pockets of silty friable orange brown sandy clay. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)	(1.30)			
1.50	D 3				Orange brown slightly clayey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. Gravel is angular to rounded fine of various lithologies including flint. (Probably MADE GROUND)	1.50 +4.98	[Cross-hatched pattern]	[Vertical line with dots]	
2.50	D 4								
3.50	D 5								
4.50	D 6						[Cross-hatched pattern]	[Vertical line with dots]	
					4.50 m gravel is fine to coarse including sandstone				
Stratum continues to 14.50 m									
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks *			Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL				Borehole	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:37			Project No.	SITE A0012-10				GW16D	
AGS			Carried out for	NNB Generation Company Limited				Sheet 1 of 4	

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 08/08/2010 End 09/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 19.80m	Ground Level +6.48 mOD Coordinates E 647439.23 National Grid N 263800.30 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.50	D 7				Orange brown slightly clayey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. Gravel is angular to rounded fine of various lithologies including flint. (Probably MADE GROUND)			
6.50	D 8							
7.50	D 9							
8.50	D 10							
9.50	D 11							
(13.00)								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 14.50 m			
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW16D Sheet 2 of 4		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:38								

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 08/08/2010 End 09/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 19.80m	Ground Level +6.48 mOD Coordinates E 647439.23 National Grid N 263800.30 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.50	D 12		08/09/2010 10.50	7.00	Orange brown slightly clayey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. Gravel is angular to rounded fine of various lithologies including flint. (Probably MADE GROUND)			
			09/09/2010 10.50	0800 6.00				
11.50	D 13							
12.50	D 14							
13.50	D 15							
14.50	D 16				Orange brown slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. (Probably MADE GROUND)	14.50 -8.02		
Depth Type & No Records Date Casing Time Water					Stratum continues to 20.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:38	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW16D Sheet 3 of 4
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 08/08/2010 End 09/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 19.80m	Ground Level +6.48 mOD Coordinates E 647439.23 National Grid N 263800.30 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
15.50	D 17				Orange brown slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. (Probably MADE GROUND)			
16.50	D 18							
17.50	D 19					(5.50)		
18.50	D 20							
19.50	D 21		09/09/2010	19.80 7.00				
					EXPLORATORY HOLE ENDS AT 20.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:39	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW16D Sheet 4 of 4
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 26/10/2010 End 29/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 200mm Casing Depth 11.00m	Ground Level +6.34 mOD Coordinates E 647280.95 National Grid N 263801.02 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey subangular coarse GRAVEL of granite. (Foreman's description) (MADE GROUND)	0.20 +6.14	[Cross-hatched pattern]	[Vertical line with dots]
0.80	D 2		Orangish brown slightly silty slightly gravelly SAND. Gravel is subrounded fine to coarse of sandstone, flint and chalk. (MADE GROUND)					
1.20	D 3							
2.00	D 4							
3.00	D 5							
4.00	D 6							
			26/10/2010	4.70	3.50			
			27/10/2010	4.70	0810	3.50		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 11.00 m			
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW17 Sheet 1 of 3				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:42								

Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 26/10/2010 End 29/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 200mm Casing Depth 11.00m	Ground Level +6.34 mOD Coordinates E 647280.95 National Grid N 263801.02 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.00	D 7				Orangish brown slightly silty slightly gravelly SAND. Gravel is subrounded fine to coarse of sandstone, flint and chalk. (MADE GROUND)	(10.80)		
6.00	D 8							
7.00	D 9							
8.00	D 10							
9.00	D 11				9.00 m very soft slightly silty sandy clay			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 11.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 26/10/2010 End 29/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 200mm Casing Depth 11.00m	Ground Level +6.34 mOD Coordinates E 647280.95 National Grid N 263801.02 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00	D 12		27/10/2010	11.00	Orangish brown slightly silty slightly gravelly SAND. Gravel is subrounded fine to coarse of sandstone, flint and chalk. (MADE GROUND)			
-11.00	-D 13				EXPLORATORY HOLE ENDS AT 11.00 m	11.00 -4.66		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged CH Checked MT	Start 14/03/2011 End 15/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 12.20m Diameter 200mm Casing Depth 12.20m	Ground Level +6.34 mOD Coordinates E 647118.99 National Grid N 263702.95 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
		0.00-1.20 m Hand excavated inspection pit			Flint GRAVEL fill. (Foreman's description) (MADE GROUND)	0.10 +6.24				
0.30	D 1				Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of sandstone. (MADE GROUND)					
0.80	D 2									
1.00	D 3									
2.00	D 4									
3.00	D 5									
4.00	D 6									
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 12.20 m					

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From 1.20 to 9.00 (m) Water added to assist boring.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole GW18 Sheet 1 of 3
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Borehole Log



Soil Mechanics

Drilled MR Logged CH Checked MT	Start 14/03/2011 End 15/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 12.20m Diameter 200mm Casing Depth 12.20m	Ground Level +6.34 mOD Coordinates E 647118.99 National Grid N 263702.95 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
5.00	D 7				Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of sandstone. (MADE GROUND)	(12.10)			
6.00	D 8								
7.00	D 9								
8.00	D 10								
9.00	D 11								
			14/03/2011	1800					
			10.00	9.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 12.20 m				

Groundwater Entries No. 1 Struck (m) 9.00 Post strike behaviour Rose to 7.00 m after 60 minutes.	Depth sealed (m) -	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged CH Checked MT	Start 14/03/2011 End 15/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 12.20m Diameter 200mm Casing Depth 12.20m	Ground Level +6.34 mOD Coordinates E 647118.99 National Grid N 263702.95 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.00	D 12		15/03/2011	0800	Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of sandstone. (MADE GROUND)			
			10.00	7.00				
11.00	D 13							
12.00	D 14		15/03/2011	1800				
			12.20	7.00	EXPLORATORY HOLE ENDS AT 12.20 m	12.20	-5.86	SP

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged CH Checked MT	Start 08/03/2011 End 10/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 12.00m Diameter 200mm Casing Depth 12.00m	Ground Level +6.39 mOD Coordinates E 647073.95 National Grid N 263591.10 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description					
0.30	D 1	0.00-1.20 m Hand excavated inspection pit *			MACADAM. (MADE GROUND)			0.20	+6.19	
					HARDCORE sub-base. (MADE GROUND)			0.40	+5.99	
0.60	D 2				Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of sandstone and concrete. (MADE GROUND)					
1.00	D 3									
2.00	D 4									
3.00	D 5									
4.00	D 6				4.00-7.00 m Occasional pockets of reddish orange clay up to 40mm in size.					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 12.00 m					

Groundwater Entries No. Struck (m) Post strike behaviour		Depth sealed (m)	Depth Related Remarks * From 0.00 to 1.20 (m) Water added to assist boring.	Chiselling Depths (m) 2.40-2.40 Time 45 mins Tools used Chisel
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Borehole Log



Soil Mechanics

Drilled MR Logged CH Checked MT	Start 08/03/2011 End 10/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 12.00m Diameter 200mm Casing Depth 12.00m	Ground Level +6.39 mOD Coordinates E 647073.95 National Grid N 263591.10 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
5.00	D 7				Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of sandstone and concrete. (MADE GROUND)			
6.00	D 8			(11.60)				
7.00	D 9							
8.00	D 10							
9.00	D 11							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 12.00 m			

Groundwater Entries No. Struck Post strike behaviour 1 5.30 -	Depth sealed (m) -	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged CH Checked MT	Start 08/03/2011 End 10/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 12.00m Diameter 200mm Casing Depth 12.00m	Ground Level +6.39 mOD Coordinates E 647073.95 National Grid N 263591.10 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
10.00	D 12				Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of sandstone and concrete. (MADE GROUND)			
11.00	D 13							
EXPLORATORY HOLE ENDS AT 12.00 m						12.00	-5.61	

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged JH/EM Checked MT		Start 14/10/2010 End 15/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +2.72 mOD Coordinates E 647078.66 National Grid N 262945.07 Chainage		
Samples and Tests				Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.	14/10/2010 1.20	dry	Brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of brick, flint and concrete. (MADE GROUND)			(0.60)		
0.80	D 2				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)			0.60 +2.12		
1.20	D 3		15/10/2010	0800						
1.70	D 4		1.20	dry						
2.70	D 5									
3.70	D 6									
4.70	D 7				4.70 m rare shell fragments					
Depth		Type & No	Records	Date Casing	Time Water	Stratum continues to 10.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW20 Sheet 1 of 2			



Borehole Log



Soil Mechanics

Drilled MR Logged JH/EM Checked MT		Start 14/10/2010 End 15/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +2.72 mOD Coordinates E 647078.66 National Grid N 262945.07 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
5.70	D 8				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)	(9.40)								
6.70	D 9													
7.70	D 10				5.70 m slightly gravelly. Gravel is subangular fine to medium of various lithologies including sandstone and flint.			SP						
8.70	D 11													
9.70	D 12		15/10/2010	10.00 3.50										
					EXPLORATORY HOLE ENDS AT 10.00 m									
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW20 Sheet 2 of 2				



Borehole Log



Soil Mechanics

Drilled MR Logged JH/EM Checked MT		Start 23/08/2010 End 23/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 13.00m Diameter 200mm Casing Depth 13.00m		Ground Level +8.73 mOD Coordinates E 647056.20 National Grid N 262796.55 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown gravelly fine to coarse SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, mudstone and sandstone. (MADE GROUND)	(0.60)				
0.70	D 2		Brown fine to coarse SAND. (MADE GROUND)	0.60 +8.13						
1.10	D 3		Orangish brown silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Possibly MADE GROUND)	1.00 +7.73						
1.70	D 4									
2.70	D 5									
3.70	D 6									
4.70	D 7									
					Firm orangish brown, locally, grey slightly sandy CLAY. Sand is fine to coarse.	4.70 +4.03				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 9.20 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10				Borehole GW21	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:48				Project No.	Carried out for NNB Generation Company Limited				Sheet 1 of 3	

Borehole Log



Soil Mechanics

Drilled MR Logged JH/EM Checked MT	Start 23/08/2010 End 23/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 13.00m Diameter 200mm Casing Depth 13.00m	Ground Level +8.73 mOD Coordinates E 647056.20 National Grid N 262796.55 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.70	D 8				(Possibly MADE GROUND)			
6.70	D 9					(4.50)		
7.70	D 10		23/08/2010 7.70	2.50				
			24/08/2010 7.70	0800 2.40				
9.20	D 11				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)	9.20 -0.47		
					Stratum continues to 13.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged JH/EM Checked MT	Start 23/08/2010 End 23/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 13.00m Diameter 200mm Casing Depth 13.00m	Ground Level +8.73 mOD Coordinates E 647056.20 National Grid N 262796.55 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00	D 12				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)	(3.80)		
11.00	D 13							
12.00	D 14		24/08/2010 13.00					
13.00	D 15				EXPLORATORY HOLE ENDS AT 13.00 m	13.00	-4.27	SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 24/08/2010 End 01/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +3.22 mOD Coordinates E 647261.34 National Grid N 262800.61 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint and sandstone. (MADE GROUND)	(0.40)	[Cross-hatched pattern]	[Diagram showing casing and backfill]		
0.50	D 2		Brown fine to medium SAND. (MADE GROUND)	0.40 +2.82						
1.00	D 3		Orangish brown fine to medium SAND. (Possibly RECENT DEPOSITS)	1.00 +2.22						
1.50	D 4									
2.50	D 5									
3.50	D 6									
4.50	D 7				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of claystone. (Possibly RECENT DEPOSITS)	4.50 -1.28	[Pattern with dots]			
Stratum continues to 9.50 m										
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW22 Sheet 1 of 2		



Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 24/08/2010 End 01/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m	Ground Level +3.22 mOD Coordinates E 647261.34 National Grid N 262800.61 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
5.50	D 8				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of claystone. (Possibly RECENT DEPOSITS)				
6.50	D 9						(5.00)		
7.50	D 10								
8.50	D 11								
9.50	D 12		24/08/2010 10.00	3.00	Soft orangish brown mottled grey sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of mixed lithologies including claystone. (Possibly RECENT DEPOSITS)		9.50 -6.28 (0.50)		
					EXPLORATORY HOLE ENDS AT 10.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 6.60 -6.70 30 mins
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 19/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 9.60m	Ground Level +2.21 mOD Coordinates E 647128.21 National Grid N 262666.33 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of sandstone and flint. (MADE GROUND)	(0.80)		
0.80	D 2		Very soft dark brown very sandy CLAY. (Possibly MADE GROUND)	0.80 +1.41				
1.20	D 3			(0.90)				
2.20	D 4		Greyish brown slightly silty slightly gravelly SAND. Gravel is subrounded fine to coarse of various lithologies. (Possibly MADE GROUND)	1.70 +0.51				
3.20	D 5		Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. (Possibly RECENT DEPOSITS)	2.70 -0.49				
4.20	D 6							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 19/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 9.60m	Ground Level +2.21 mOD Coordinates E 647128.21 National Grid N 262666.33 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.20	D 7				Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. (Possibly RECENT DEPOSITS)			
6.20	D 8					(7.30)		
7.20	D 9							SP
8.20	D 10							
9.20	D 11							
			19/10/2010	9.60				
					EXPLORATORY HOLE ENDS AT 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:17:55	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW23 Sheet 2 of 2
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT		Start 28/10/2010 End 29/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 4.70m Diameter 200mm Casing Depth 4.70m		Ground Level +1.52 mOD Coordinates E 647158.40 National Grid N 264256.13 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +1.32								
0.60	D 2				Orangish brown slightly silty slightly gravelly SAND with frequent fine gravel sized shell fragments. Gravel is subangular fine to medium of sandstone and flint. (MADE GROUND)	(1.80)								
1.00	D 3													
2.00	D 4				Greyish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular fine to coarse of flint and chalk. (Possibly RECENT DEPOSITS)	2.00 -0.48								
3.00	D 5													
4.00	D 6													
4.70	D 7		28/10/2010		Plastic dark brown grey clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	4.50 -2.98								
					EXPLORATORY HOLE ENDS AT 4.70 m	4.70 -3.18								
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
No. Struck		Post strike behaviour (m)		Depth sealed (m)	None observed (see Key Sheet)		From to (m)							
							Chiselling Depths (m) Time Tools used							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW24S Sheet 1 of 1				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 12:42:40														

Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 21/10/2010 End 28/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.20m Diameter 200mm Casing Depth 16.00m	Ground Level +1.44 mOD Coordinates E 647157.13 National Grid N 264254.47 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)			
0.30	D 1				Orangish brown slightly silty SAND with frequent fine to medium gravel size shell fragments. (MADE GROUND)	0.20 +1.24		
0.80	D 2					(1.00)		
1.20	D 3				Greyish brown slightly silty slightly gravelly SAND with occasional fine gravel sized shell fragments. Gravel is subangular fine to coarse of flint and chalk. (Possibly RECENT DEPOSITS)	1.20 +0.24		
2.00	D 4					(3.20)		
3.00	D 5							
4.00	D 6							
					Plastic dark brown black slightly sandy pseudo-fibrous PEAT. (RECENT DEPOSITS)	4.40 -2.96		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 6.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW24D Sheet 1 of 4
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT		Start 21/10/2010 End 28/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.20m Diameter 200mm Casing Depth 16.00m		Ground Level +1.44 mOD Coordinates E 647157.13 National Grid N 264254.47 Chainage			
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
5.00	D 7				Plastic dark brown black slightly sandy pseudo-fibrous PEAT. (RECENT DEPOSITS)	(1.60)					
6.00	D 8				Soft grey slightly sandy CLAY with pockets of black pseudo-fibrous peat. (RECENT DEPOSITS)	6.00 -4.56					
7.00	D 9				Plastic dark brown amorphous PEAT. (RECENT DEPOSITS)	7.20 -5.76					
8.00	D 10				Plastic dark brown amorphous PEAT. (RECENT DEPOSITS)	(1.80)					
9.00	D 11				Brown slightly silty SAND with frequent fine to medium gravel sized shell fragments. (CRAG DEPOSITS)	9.00 -7.56					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 16.20 m						
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW24D Sheet 2 of 4	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:42:34					AGS						

Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 21/10/2010 End 28/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.20m Diameter 200mm Casing Depth 16.00m	Ground Level +1.44 mOD Coordinates E 647157.13 National Grid N 264254.47 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00	D 12				Brown slightly silty SAND with frequent fine to medium gravel sized shell fragments. (CRAG DEPOSITS)			
11.00	D 13							
12.00	D 14							
13.00	D 15							
14.00	D 16							
					Stratum continues to 16.20 m	(7.20)		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:42:35	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW24D Sheet 3 of 4
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 21/10/2010 End 28/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 16.20m Diameter 200mm Casing Depth 16.00m	Ground Level +1.44 mOD Coordinates E 647157.13 National Grid N 264254.47 Chainage							
Samples and Tests			Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
15.00	D 17				Brown slightly silty SAND with frequent fine to medium gravel sized shell fragments. (CRAG DEPOSITS)						
16.00	D 18										
			21/10/2010		EXPLORATORY HOLE ENDS AT 16.20 m	16.20	-14.76	SP			
			16.00	3.30							
Depth	Type & No	Records	Date Casing	Time Water							
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW24D Sheet 4 of 4			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 12:42:35											

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 14/11/2010 End 15/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m	to 1.50m	Diameter 200mm	Casing Depth	Ground Level +7.10 mOD Coordinates E 647333.73 National Grid N 264325.22 Chainage		
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	(0.30)			
0.60	D 2				Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments and rare pockets of very stiff orangish brown silty clay. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.30 +6.80			
1.00	D 3		14/11/2010			(1.20)			
			15/11/2010	0800 dry	EXPLORATORY HOLE ENDS AT 1.50 m	1.50 +5.60			
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used 1.40 -1.50 30 mins 1.50 -1.50 30 mins		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole <h2 style="text-align: center;">G1</h2> Sheet 1 of 1			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:29									

Borehole Log



Soil Mechanics

Drilled MR	Start 15/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.			Depth from 0.00m	to 1.20m	Diameter -	Casing Depth	Ground Level +7.10 mOD	Coordinates E 647332.63 N 264325.65		
Logged ST	End 15/11/2010				Depth, Level	to	Legend	Backfill/ Instruments				
Checked MT					Depth, Level	to	Legend	Backfill/ Instruments				
Samples and Tests									Strata			
Depth	Type & No	Records	Date	Time	Description			Depth, Level	to	Legend	Backfill/ Instruments	
			Casing	Water				Depth, Level	to	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)			(1.20)				
0.80	D 2											
1.00	D 3		15/11/2010									
					1.00 m 1 No wood fragment 120mmx40mmx10mm in size.			1.20	+5.90			
EXPLORATORY HOLE ENDS AT 1.20 m												
EXPLORED HOLE ENDS AT 1.20 m												
Depth	Type & No	Records	Date	Time	Depth Related Remarks *			Chiselling	Depths (m)	Time	Tools used	
			Casing	Water	From to (m)							
					1.20 Terminated due to obstruction.							
Groundwater Entries					Depth Related Remarks *					Chiselling		
No.	Struck	Post strike behaviour	Depth sealed		From to (m)					Depths (m)	Time	Tools used
			(m)		1.20 Terminated due to obstruction.							
None observed (see Key Sheet)												
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole		
					Project No. A0012-10					G1A		
					Carried out for NNB Generation Company Limited					Sheet 1 of 1		
Scale 1:25					(c) Soil Mechanics www.soil-mechanics.com							
					408.24 21/02/2011 13:32:31							

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 15/11/2010 End 18/11/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 10.50m		to 10.50m 15.00m		Diameter 200mm 150mm		Casing Depth 10.50m 15.00m		Ground Level Coordinates National Grid Chainage		
														+7.14 mOD E 647331.91 N 264325.67		
Samples and Tests					Strata											
Depth	Type & No	Records	Date Casing	Time Water	Description								Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with rare rootlets and rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint and concrete. (MADE GROUND)									[Cross-hatched pattern]	[Scale]	
0.80	D 2															
1.00	D 3															
2.00	D 4				Multicoloured sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint, concrete and plastic. Sand is fine to coarse. (MADE GROUND)								2.00	+5.14	[Scale]	
3.00	D 5															
4.00	D 6															
			15/11/2010	5.00	dry											
Depth		Type & No	Records	Date Casing	Time Water	Stratum continues to 6.50 m										
Groundwater Entries					Depth Related Remarks *					Chiselling						
No.	Struck	Post strike behaviour	Depth sealed (m)		From		to (m)			Depths (m)		Time	Tools used			
None observed (see Key Sheet)										1.50 -1.70		60 mins				
										4.90 -5.00		30 mins				
										5.00 -5.20		30 mins				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project					Borehole						
Scale 1:25					Project					G1B						
(c) Soil Mechanics www.soil-mechanics.com					ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Sheet 1 of 3						
408.24 21/02/2011 13:32:33					SITE											
AGS					A0012-10											
					Carried out for					NNB Generation Company Limited						

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 15/11/2010 End 18/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.50m Diameter 200mm Casing Depth 10.50m 15.00m	Ground Level +7.14 mOD Coordinates E 647331.91 National Grid N 264325.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.00	D 7		16/11/2010	0800	Multicoloured sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint, concrete and plastic. Sand is fine to coarse. (MADE GROUND)			
			5.00	2.30				
6.00	D 8				Multicoloured slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint with rare pockets of very soft dark grey silty clay. Sand is fine to coarse. (RECENT DEPOSITS)	6.50		
7.00	D 9					+0.64		
8.00	D 10				Stratum continues to 10.40 m	(3.90)		
9.00	D 11							

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 5.00 -5.20 30 mins 6.60 -6.70 45 mins
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 15/11/2010 End 18/11/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 10.50m		to 10.50m 15.00m		Diameter 200mm 150mm		Casing Depth 10.50m 15.00m		Ground Level +7.14 mOD Coordinates E 647331.91 National Grid N 264325.67	
Samples and Tests				Strata								Chainage			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)		Depth, Level (Thickness)	Legend	Backfill/ Instruments						
10.00	D 12				Multicoloured slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint with rare pockets of very soft dark grey silty clay. Sand is fine to coarse. (RECENT DEPOSITS)	10.00-10.40 m foreman reports cobble	10.40	-3.26							
					Very soft thickly laminated blueish grey silty CLAY with organic odour. (RECENT DEPOSITS)										
11.00	D 13		16/11/2010 10.50	10.50			(2.10)								
			18/11/2010 10.50	0800 7.20											
12.00	D 14					12.00 m pockets of firm dark grey clayey amorphous peat									
					Grey very silty SAND with slight organic odour. (Possibly CRAG DEPOSITS)		12.50	-5.36							
13.00	D 15						(2.50)								
14.00	D 16		18/11/2010 15.00	9.00											
EXPLORATORY HOLE ENDS AT 15.00 m															
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used						
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole G1B Sheet 3 of 3					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:34					AGS										

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 30/07/2010 End 02/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 5.60m Diameter 200mm Casing Depth 5.60m	Ground Level +1.46 mOD Coordinates E 647152.74 National Grid N 264251.81 Chainage					
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.*			Orangish brown slightly gravelly fine SAND with rare shell fragments. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	(0.70)			
0.70	D 2				Brown gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint and quartz. (MADE GROUND)	0.70 +0.76			
1.20	D 3					(3.20)			
2.60	D 4				Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)	3.90 -2.44			
3.60	D 5								
4.60	D 6								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 9.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 5.60 Water added to assist boring.			Chiselling Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole G2 Sheet 1 of 2		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:37									

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 30/07/2010 End 02/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 5.60m Diameter 200mm Casing Depth 5.60m	Ground Level +1.46 mOD Coordinates E 647152.74 National Grid N 264251.81 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.60	D 7		30/07/2010 5.60	0.00	Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)	(5.10)		
6.60	D 8		02/08/2010 0800 5.60					
7.60	D 9							
8.60	D 10							
9.00			02/08/2010		Brownish grey slightly silty fine to medium SAND. (CRAG DEPOSITS)	9.00 -7.54 (0.60)		
9.60	D 11				EXPLORATORY HOLE ENDS AT 9.60 m	9.60 -8.14		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 07/08/2010 End 07/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 7.80m Diameter 200mm Casing Depth 7.80m	Ground Level +1.53 mOD Coordinates E 647154.03 National Grid N 264250.77 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine SAND with rare shell fragments. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	(0.40)		
					Brown gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint and quartz. (MADE GROUND)	0.40 +1.13		
						(3.80)		
					Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)	4.20 -2.67		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 7.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT	Start 07/08/2010 End 07/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 7.80m Diameter 200mm Casing Depth 7.80m	Ground Level +1.53 mOD Coordinates E 647154.03 National Grid N 264250.77 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			07/08/2010		Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)	(3.60)		
EXPLORATORY HOLE ENDS AT 7.80 m						7.80	-6.27	SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged JH Checked MT	Start 19/08/2010 End 19/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from to Diameter Casing Depth	Ground Level +1.58 mOD Coordinates E 647255.25 National Grid N 264165.65 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-0.80 m Hand excavated inspection pit.			TOPSOIL.	0.05 +1.53		
0.30	D 1				Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint and mudstone. (MADE GROUND)	(0.55)		
			19/08/2010		Orange brown SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, sandstone and mudstone. (MADE GROUND)	0.60 +0.98		
0.70	D 2				0.80 m concrete	0.80 +0.78		
EXPLORATORY HOLE ENDS AT 0.80 m								
Depth	Type & No	Records	Date Casing	Time Water	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		From to (m) 0.80 Borehole terminated due to concrete obstruction.			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole G3 Sheet 1 of 1		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:43								

Borehole Log



Soil Mechanics

Drilled MR	Start 19/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.			Depth from	to	Diameter	Casing Depth	Ground Level +1.60 mOD					
Logged JH	End 19/08/2010				Coordinates E 647256.28									
Checked MT					National Grid N 264166.96									
Chainage														
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments				
		0.00-0.90 m Hand excavated inspection pit.			TOPSOIL.			0.05 +1.55						
					Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, concrete and sandstone. (MADE GROUND)			(0.55)						
			19/08/2010		0.50 m 1 No. subangular boulder of concrete <220mm in diameter and occasional fragments of metal. (MADE GROUND)			0.60 +1.00						
					Greyish brown sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint and mudstone with occasional fine gravel size shell fragments. Sand is fine to coarse. (MADE GROUND)			(0.30)						
					EXPLORATORY HOLE ENDS AT 0.90 m			0.90 +0.70						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries			Depth Related Remarks *						
					No. Struck (m)	Post strike behaviour		Depth sealed (m)	From (m)	to (m)	Chiselling Depths (m)		Time	Tools used
					None observed (see Key Sheet)			0.90	Borehole terminated due to concrete obstruction.					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL				Borehole				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:45					Project No.	SITE A0012-10				G3A				
					Carried out for	NNB Generation Company Limited				Sheet 1 of 1				

Borehole Log



Soil Mechanics

Drilled MR Logged JH/ST Checked MT		Start 19/08/2010 End 20/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 9.20m Diameter 200mm Casing Depth 9.20m		Ground Level +1.58 mOD Coordinates E 647256.77 National Grid N 264168.25 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
		0.00-1.20 m Hand excavated inspection pit.			TOPSOIL.	0.05 +1.53								
					Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, concrete and brick. (MADE GROUND)	(0.55)								
			19/08/2010		Greyish brown slightly silty gravelly SAND with medium cobble content and occasional pockets of organic matter. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete, flint and brick. Cobbles are subangular of concrete. (MADE GROUND)	0.60 +0.98								
1.50	D 3			20/08/2010 0800 0.90		(3.00)								
2.50	D 4													
3.60	D 5				Soft grey slightly sandy CLAY with rare rootlets. Sand is fine. (RECENT DEPOSITS)	3.60 -2.02								
						(0.90)								
4.50	D 6				Firm dark brown clayey pseudo-fibrous PEAT with strong organic odour. (RECENT DEPOSITS)	4.50 -2.92								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 6.50 m									
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used						
None observed (see Key Sheet)														
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole G3B Sheet 1 of 2				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:46					AGS									

Borehole Log



Soil Mechanics

Drilled MR Logged JH/ST Checked MT		Start 19/08/2010 End 20/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 9.20m Diameter 200mm Casing Depth 9.20m		Ground Level +1.58 mOD Coordinates E 647256.77 National Grid N 264168.25 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
5.50	D 7				Firm dark brown clayey pseudo-fibrous PEAT with strong organic odour. (RECENT DEPOSITS)	(2.00)								
6.50	D 8				Plastic dark brown amorphous PEAT with strong organic odour. (RECENT DEPOSITS)	6.50 -4.92								
7.50	D 9				Dark grey brown silty fine to medium SAND. (Possibly CRAG DEPOSITS)	7.50 -5.92								
8.50	D 10					(1.70)								
9.20	D 11		20/08/2010	9.20	EXPLORATORY HOLE ENDS AT 9.20 m	9.20 -7.62								
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)	Time	Tools used		
					None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited					Borehole G3B Sheet 2 of 2				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:47					AGS									

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 11/08/2010 End 11/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.60m Diameter 200mm Casing Depth 10.60m		Ground Level +2.01 mOD Coordinates E 647416.58 National Grid N 263987.34 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orange brown slightly silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	(1.00)			
0.80	D 2								
1.50	D 3				Yellowish grey slightly silty slightly gravelly SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	(1.50)			
2.50	D 4				Brownish grey slightly silty gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	2.50 -0.49			
3.50	D 5					(2.70)			
4.50	D 6								
Depth					Stratum continues to 5.20 m				
Groundwater Entries					Depth Related Remarks *				
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From	to (m)	Chiselling Depths (m)	Time	Tools used
1	1.20	Rose to 1.00 m after 20 minutes.	1.00						
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:49					Borehole G4 Sheet 1 of 3				

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 11/08/2010 End 11/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.60m Diameter 200mm Casing Depth 10.60m		Ground Level +2.01 mOD Coordinates E 647416.58 National Grid N 263987.34 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)		Depth, Level / (Thickness)	Legend	Backfill/ Instruments
5.50	D 7				Brownish grey slightly silty gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)		5.20 -3.19		
6.50	D 8				Very soft brownish grey sandy organic CLAY with rare fine gravel size shell fragments and slight organic odour. (RECENT DEPOSITS)				
					6.50 m locally greenish grey				
7.50	D 9						(4.30)		
8.80	D 10				8.50 m firm dark grey clayey amorphous peat				
9.50	D 11				Grey silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		9.50 -7.49		
Depth					Stratum continues to 10.60 m				
Groundwater Entries					Depth Related Remarks *				
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From to (m)		Chiselling Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited				
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:50					Borehole G4 Sheet 2 of 3				

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 11/08/2010 End 11/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.60m Diameter 200mm Casing Depth 10.60m	Ground Level +2.01 mOD Coordinates E 647416.58 National Grid N 263987.34 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description <i>(Continued from Sheet 2)</i>	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			11/08/2010	1.30	Grey silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.10)		
					EXPLORATORY HOLE ENDS AT 10.60 m	10.60 -8.59		
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour Depth sealed (m)					Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole G4 Sheet 3 of 3	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:51								

Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 07/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +6.15 mOD Coordinates E 647361.78 National Grid N 263891.50 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (Possibly RECENT DEPOSITS)	(1.20)				
0.80	D 2									
1.80	D 3				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)	1.20 +4.95				
2.20	D 4									
3.20	D 5									
4.20	D 6									
					Stratum continues to 7.20 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole G5 Sheet 1 of 2		



Borehole Log



Soil Mechanics

Drilled MR Logged EM Checked MT		Start 07/10/2010 End 13/10/2010			Equipment, Methods and Remarks Dando 2000 Cable percussion boring.				Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +6.15 mOD Coordinates E 647361.78 National Grid N 263891.50 Chainage		
Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level (Thickness)	Legend	Backfill/ Instruments	
5.00	D 7				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)								
6.20	D 8												
7.20	D 9				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (Possibly RECENT DEPOSITS)					7.20 -1.05			
8.20	D 10				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)					(1.00)			
9.20	D 11				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)					8.20 -2.05			
					9.20 m becoming silty with rare shell fragments					(1.80)			
			07/10/2010	10.00	dry								
EXPLORATORY HOLE ENDS AT 10.00 m													
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		Depth Related Remarks * From to (m)					Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole G5 Sheet 2 of 2			



Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 09/11/2010 End 06/12/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +10.25 mOD Coordinates E 647529.36 National Grid N 263829.26 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)			0.20 +10.05		
0.80	D 2		Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint. (MADE GROUND)			(1.30)				
1.00	D 3									
2.00	D 4				Grey slightly sandy angular to subangular fine to coarse GRAVEL of mixed lithologies including flint and concrete. Sand is fine to coarse. (MADE GROUND)			1.50 +8.75		
3.00	D 5		09/11/2010 3.50	dry			(3.10)			
4.00	D 6		10/11/2010 3.50	0800 dry		4.00 m pockets of very soft orangish brown silty sandy clay				
					Light grey slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed			4.60 +5.65		
Stratum continues to 6.00 m										
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used 1.50 -1.70 45 mins 2.20 -2.40 30 mins 3.50 -3.70 30 mins		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:32:56					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole G6 Sheet 1 of 2		

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 09/11/2010 End 06/12/2010			Equipment, Methods and Remarks Dando 2000 Cable percussion boring.				Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +10.25 mOD Coordinates E 647529.36 National Grid N 263829.26 Chainage																												
Samples and Tests					Strata																																		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level (Thickness)	Legend	Backfill/ Instruments																											
5.00	D 7				lithologies including flint. (RECENT DEPOSITS)					(1.40)																													
6.00	D 8				Multicoloured slightly sandy angular to rounded fine to medium GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)					6.00 +4.25																													
7.00	D 9									(2.80)																													
8.00	D 10																																						
9.00	D 11				Orangish brown slightly silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)					8.80 +1.45																													
			10/11/2010	10.00	dry					(1.20)																													
Depth					Type & No					Records					Date Casing					Time Water					EXPLORATORY HOLE ENDS AT 10.00 m														
Groundwater Entries					No. Struck					Post strike behaviour					Depth sealed (m)					Depth Related Remarks *					Chiselling Depths (m)					Time					Tools used				
None observed (see Key Sheet)																									7.90 -8.00					30 mins									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project					ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole					G6																			
Scale 1:25					(c) Soil Mechanics www.soil-mechanics.com					AGS					Project No.					A0012-10					Carried out for					NNB Generation Company Limited					Sheet 2 of 2				

Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT		Start 08/09/2010 End 08/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +11.13 mOD Coordinates E 645996.94 National Grid N 264351.59 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark greyish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (TOPSOIL)	(0.60)			
0.70	D 2				Dark brown slightly gravelly fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint. (Possibly RECENT DEPOSITS)	0.60 +10.53 (0.90)			
1.50	D 3				Orangish brown slightly clayey gravelly fine to medium SAND with occasional fine to coarse gravel size pockets of very soft clay. Gravel is angular to subangular fine to medium of flint and rare claystone. (Possibly RECENT DEPOSITS)	1.50 +9.63 (1.55)			
2.50	D 4								
2.60-3.05	U 5	170 blows	2.60	dry					
3.05	D 6				Orangish brown and brown silty sandy CLAY. (Possibly RECENT DEPOSITS)	3.05 +8.08 (0.45)			
3.50	D 7				Orangish brown slightly clayey gravelly fine to medium SAND with occasional fine to coarse gravel size pockets of very soft clay. Gravel is angular to subangular fine to medium of flint and rare claystone. (Possibly RECENT DEPOSITS)	3.50 +7.63			
4.50	D 8								
Depth					Stratum continues to 10.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole BH1 Sheet 1 of 2	
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:34:53									

Borehole Log



Soil Mechanics

Drilled MR Logged GA Checked MT	Start 08/09/2010 End 08/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m	Ground Level +11.13 mOD Coordinates E 645996.94 National Grid N 264351.59 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.50	D 9				Orangish brown slightly clayey gravelly fine to medium SAND with occasional fine to coarse gravel size pockets of very soft clay. Gravel is angular to subangular fine to medium of flint and rare claystone. (Possibly RECENT DEPOSITS)			
6.50	D 10			6.50 m firm orangish brown mottled grey and dark grey fissured clay		(6.50)		
7.50	D 11							
8.50	D 12							
9.50	D 13		08/09/2010		9.50-10.00 m gravel is subrounded to rounded fine to medium of flint			
EXPLORATORY HOLE ENDS AT 10.00 m								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 09/09/2010 End 09/09/2010			Equipment, Methods and Remarks Dando 2000 Cable percussion boring.				Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +7.89 mOD Coordinates E 646522.43 National Grid N 264630.37 Chainage	
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty slightly gravelly fine to coarse SAND with frequent rootlets and occasional roots. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (TOPSOIL)					(0.60)		
0.70	D 2				Orange slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint and claystone. (Possibly RECENT DEPOSITS)					0.60 +7.29		
1.30	D 3											
1.80	D 4											
2.00-2.45	U 5	150 blows	2.00	1.00								
2.45	D 6				2.45-2.80 m becoming yellow							
2.80	D 7											
3.80-4.25	U 8	160 blows 350 mm rec	3.50	2.00								
			09/09/2010									
4.25	D 9				4.25-5.80 m becoming yellow with occasional firm friable orange silty clay pockets present							
			13/09/2010	0800								
4.80	D 10											
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 10.00 m							
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)					Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)												
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:34:56			Project No.		SITE A0012-10					BH2		
AGS			Carried out for		NNB Generation Company Limited					Sheet 1 of 2		

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 09/09/2010 End 09/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m	Ground Level +7.89 mOD Coordinates E 646522.43 National Grid N 264630.37 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.80	D 11				Orange slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine of mixed lithologies including flint and claystone. (Possibly RECENT DEPOSITS)	(9.40)		
6.80	D 12			6.80 m no gravel				
7.80	D 13			7.80 m no gravel				
8.70	D 14							
9.70	D 15		13/09/2010					
					EXPLORATORY HOLE ENDS AT 10.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:34:58	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole BH2 Sheet 2 of 2
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Borehole Log



Soil Mechanics

Drilled MR Logged GA/ST Checked MT		Start 14/09/2010 End 15/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +2.11 mOD Coordinates E 647170.97 National Grid N 264496.80 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown silty fine SAND with frequent rootlets and roots. (TOPSOIL)	0.10 +2.01	[Cross-hatched pattern]		
0.70	D 2				Grey slightly gravelly fine to coarse SAND with occasional wood fragments. Gravel is angular to rounded fine to medium of mixed lithologies including brick and flint. (MADE GROUND)	(0.70)			
1.20	D 3				Yellow slightly silty fine to medium SAND with rare rootlets and roots. (Possibly RECENT DEPOSITS)	0.80 +1.31	[X pattern]		
1.70	D 4				Soft orangish brown sandy gravelly CLAY. Gravel is angular to subangular fine to medium of claystone. (Possibly RECENT DEPOSITS)	(0.90)			
2.70-3.15 2.70	U 6 D 5	150 blows	2.70	2.20					
3.15	D 7								
3.70	D 8								
4.70	D 9		14/09/2010						
					Stratum continues to 6.45 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole BH4 Sheet 1 of 2			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:35:00			AGS						

Borehole Log



Soil Mechanics

Drilled MR Logged GA/ST Checked MT		Start 14/09/2010 End 15/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +2.11 mOD Coordinates E 647170.97 National Grid N 264496.80 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)		Depth, Level (Thickness)	Legend	Backfill/ Instruments					
5.70	D 10		15/09/2010	0800	Orangish brown slightly clayey slightly gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is angular fine to coarse of claystone. (CRAG DEPOSITS)									
6.00-6.45	U 11	150 blows 350 mm rec	6.00	3.00										
6.45	D 12				Orangish brown slightly clayey fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		6.45	-4.34						
6.70	D 13													
7.70	D 14													
8.70	D 15						(3.55)							
9.70	D 16		15/09/2010	10.00										
					EXPLORATORY HOLE ENDS AT 10.00 m									
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole BH4 Sheet 2 of 2				



Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 11/11/2010 End 13/11/2010	Equipment, Methods and Remarks Dando 2000. Cable percussion boring.	Depth from 0.00m to 15.00m Diameter 200mm Casing Depth 12.10m	Ground Level +8.55 mOD Coordinates E 647529.13 National Grid N 264215.30 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description) Orangish brown silty gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	0.20 +8.35		
0.30	D 1							
0.80	D 2							
1.00	D 3							
2.00	D 4					(3.80)		
3.00	D 5							
4.00	D 6				Multicoloured slightly sandy, locally sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)	4.00 +4.55		
					Stratum continues to 11.00 m			
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole BH6 Sheet 1 of 3		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:35:03								

Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT	Start 11/11/2010 End 13/11/2010	Equipment, Methods and Remarks Dando 2000. Cable percussion boring.	Depth from 0.00m to 15.00m Diameter 200mm Casing Depth 12.10m	Ground Level +8.55 mOD Coordinates E 647529.13 National Grid N 264215.30 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					
5.00	D 7				Multicoloured slightly sandy, locally sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)					
			11/11/2010							5.00 m rare pockets of soft brown silty clay
6.00	D 8		12/11/2010	0800						
			6.00	5.00						
7.00	D 9						(7.00)			
8.00	D 10									
9.00	D 11									
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 11.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) 6.50 -6.60 Time 30 mins Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:35:03	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole BH6 Sheet 2 of 3
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Borehole Log



Soil Mechanics

Drilled MR Logged ST Checked MT		Start 11/11/2010 End 13/11/2010		Equipment, Methods and Remarks Dando 2000. Cable percussion boring.		Depth from 0.00m to 15.00m Diameter 200mm Casing Depth 12.10m		Ground Level +8.55 mOD Coordinates E 647529.13 National Grid N 264215.30 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
10.00	D 12				Multicoloured slightly sandy, locally sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)	10.00 m dark grey			
11.00	D 13				Dark grey silty gravelly SAND with slight organic odour. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (RECENT DEPOSITS)	11.00 -2.45 (0.50)			
					Soft blueish grey silty CLAY with strong organic odour. (RECENT DEPOSITS)	11.50 -2.95			
12.00	D 14		12/11/2010	12.00 6.00					
12.10-12.55	U 15		13/11/2010	0800					
			12.10						
			12.00						
12.55	D 16				12.55-12.75 m firm dark brown clayey amorphous peat				
13.00	D 17					(3.50)			
14.00	D 18								
			13/11/2010						
			15.00						
EXPLORATORY HOLE ENDS AT 15.00 m									
Groundwater Entries No. Struck Post strike behaviour (m)		Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m) Time Tools used			
None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole BH6 Sheet 3 of 3			
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:35:04			AGS						

Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT		Start 01/11/2010 End 04/11/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 12.00m 1.20m		Diameter 200mm 150mm		Casing Depth 12.00m 15.00m		Ground Level Coordinates National Grid Chainage		+8.29 mOD E 647538.23 N 263997.57	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of mixed lithologies. (MADE GROUND)										
0.60	D 2									(2.00)					
1.20	D 3														
2.00	D 4				Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular to subrounded fine to medium of mixed lithologies. (MADE GROUND)					2.00	+6.29				
3.00	D 5									(2.20)					
4.00	D 6														
					Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular fine to coarse of concrete. (MADE GROUND)					4.20	+4.09				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 6.00 m										
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)					Chiselling Depths (m)		Time	Tools used		
None observed (see Key Sheet)										4.40 -4.40		45 mins			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole BH7 Sheet 1 of 4					
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:35:07					AGS										

Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 01/11/2010 End 04/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.20m Diameter 200mm Casing Depth 12.00m 15.00m	Ground Level +8.29 mOD Coordinates E 647538.23 National Grid N 263997.57 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
5.00	D 7				Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular fine to coarse of concrete. (MADE GROUND)	(1.80)		
6.00	D 8				Multicoloured slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies. (Possibly RECENT DEPOSITS)	6.00 +2.29		
7.00	D 9							
8.00	D 10							
9.00	D 11		01/11/2010 9.00	6.70	9.40-11.50 m predominantly black	(5.50)		
			03/11/2010 9.00	0800 7.80				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 11.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 01/11/2010 End 04/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.20m Diameter 200mm Casing Depth 12.00m 15.00m	Ground Level +8.29 mOD Coordinates E 647538.23 National Grid N 263997.57 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
10.00	D 12				Multicoloured slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies. (Possibly RECENT DEPOSITS)			
11.00	D 13							
12.00 12.00-12.45	D 14 U 15	100 blows	12.00	6.00	Firm dark brown black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	11.50 -3.21		
12.45	D 16					(2.50)		
13.00	D 17							
14.00	D 18				Greyish dark brown silty fine to medium SAND. (Possibly RECENT DEPOSITS)	14.00 -5.71		
			03/11/2010 15.00	8.20				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 17.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 13:35:08	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole BH7 Sheet 3 of 4
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Borehole Log



Soil Mechanics

Drilled MR Logged PM Checked MT	Start 01/11/2010 End 04/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.20m Diameter 200mm Casing Depth 12.00m 15.00m	Ground Level +8.29 mOD Coordinates E 647538.23 National Grid N 263997.57 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
15.00	D 19		04/11/2010	0800	Greyish dark brown silty fine to medium SAND. (Possibly RECENT DEPOSITS)	(3.00)		
			15.00	6.20				
16.00	D 20							
			04/11/2010					
			17.00					
17.00	D 21				EXPLORATORY HOLE ENDS AT 17.00 m	17.00	-8.71	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 28/11/2010 End 28/11/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 3.50 m 	Ground Level +7.81 mOD Coordinates E 647534.99 National Grid N 264478.69 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50-1.00 0.50-1.00	D 1 B 2	x2	1 Brown SAND with frequent roots and rootlets. (MADE GROUND)	0.10 +7.71		
			2 Orangish brown clayey slightly gravelly SAND with rare fine to medium gravel size shell fragments and low cobble content of angular to subangular concrete. Gravel is angular to rounded fine to coarse of mixed lithologies including flint, metal and concrete. 1 No. concrete boulder 500x500x1000mm in size. (MADE GROUND)	(1.90)		
2.50-3.00 2.50-3.00	D 3 B 4	x2	3 Grey silty slightly gravelly SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Maximum particle size present 20mm) (MADE GROUND)	2.00 +5.81 (2.00)		
		28/11/2010 dry		4.00 +3.81		
			EXPLORATORY HOLE ENDS AT 4.00 m			
Depth	Type & No.	Records Date				

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 4.00 Trial pit terminated on client's instructions.	Stability Moderate Shoring None Weather Cloudy, dry
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
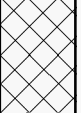
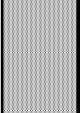
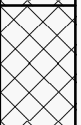
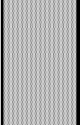
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:02	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP1 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 28/11/2010 End 28/11/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 4.00 m 	Ground Level +11.44 mOD Coordinates E 647380.07 National Grid N 264419.05 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.30-0.50 0.30-0.50	D 1 B 2	x2 28/11/2010 dry	1 Brown SAND with frequent roots and rootlets. (MADE GROUND)	0.20 +11.24		
			2 Orangish brown slightly silty slightly gravelly SAND with medium cobble content of angular to subangular concrete. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and concrete. (Maximum particle size present 200mm) (MADE GROUND)	(0.40) 0.60 +10.84		
			3 Light grey gravelly SAND with medium cobble content of angular to subangular concrete. Gravel is angular to subangular fine to coarse of mixed lithologies including concrete. (Maximum particle size present 200mm) (MADE GROUND)	(0.40) 1.00 +10.44		
			EXPLORATORY HOLE ENDS AT 1.00 m			

Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 1.00 Trial pit terminated due to obstruction.			Stability Moderate Shoring None Weather Cloudy, dry

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE Carried out for A0012-10 NBN Generation Company Limited	Trial Pit TP2 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 19/10/2010 End 27/11/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit	Dimensions and Orientation Width 0.70 m Length 3.00 m 	Ground Level +10.40 mOD Coordinates E 647450.87 National Grid N 264397.75 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.10-0.20 0.10-0.20	D 1 B 2	x2	1 Dark brown fine to medium SAND with frequent roots and rootlets. (Maximum particle size present 2mm) (MADE GROUND)		0.10	+10.30		
			2 Orangish brown slightly silty slightly gravelly SAND with low cobble content. Gravel is angular to rounded fine to coarse of mixed lithologies including flint, concrete, wood and brick. Cobbles are subangular of concrete. (Maximum particle size present 150mm) (MADE GROUND)		0.50	+9.90		
1.00-1.50 1.00-1.50	D 3 B 4	x2	3 Orangish brown slightly silty gravelly SAND with high cobble content and medium boulder content. Gravel is angular to rounded fine to coarse of mixed lithologies including flint, brick and concrete. Cobbles are angular to subangular of concrete. Boulders are angular of concrete up to 800x500x200mm in size. (Maximum particle size present 800mm) (MADE GROUND)					
2.00-2.50 2.00-2.50	D 5 B 6	x2						
		19/10/2010						
3.00-4.00	D 7	21/10/2010 0800						
4.00	B 8	x2 27/10/2010						
			EXPLORATORY HOLE ENDS AT 4.20 m		4.20	+6.20		

Depth	Type & No.	Records Date						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 4.20 Trial pit terminated on clients instruction.			Stability Moderate Shoring None Weather Cloudy, dry		

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP3 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 28/11/2010 End 28/11/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 3.50 m 180 (Deg)	Ground Level +12.04 mOD Coordinates E 647519.17 National Grid N 264421.11 Chainage
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Samples and Tests			Strata		Ground Level	
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50-1.00 0.50-1.00	D 1 B 2	x2	1 Dark brown SAND with frequent roots and rootlets. (MADE GROUND)	0.20 +11.84		
			2 Orangish brown silty slightly gravelly SAND with rare fine to medium gravel size shell fragments and occasional pockets of soft brown and grey silty clay. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (Maximum particle size present 60mm) (MADE GROUND)	(1.40)		
2.00-2.50 2.00-2.50	D 3 B 4	x2	3 Greyish brown, locally dark grey, gravelly SAND with medium cobble content of angular concrete. Gravel is angular to rounded fine to coarse of mixed lithologies including flint, wood, concrete, metal, plastic, geotextile and rubber. 1 No. boulder of concrete 500x600x1000mm in size. (MADE GROUND)	1.60 +10.44 (2.40)		
		28/11/2010 dry		4.00 +8.04		
			EXPLORATORY HOLE ENDS AT 4.00 m			
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m) 4.00 Trial pit terminated on client's instructions.		Stability Moderate Shoring None Weather Cloudy, dry	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited		Trial Pit TP4 Sheet 1 of 1	



Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 05/09/2010 End 05/09/2010	Equipment, Methods and Remarks Mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.35 m Length 3.10 m 	Ground Level +2.02 mOD Coordinates E 647266.38 National Grid N 264346.41 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.05	D 1		1 Brown slightly gravelly fine SAND with frequent rootlets. Gravel is subangular fine to coarse of quartz. (TOPSOIL)	0.05 +1.97		
0.20-0.60	B 2	x2		2 Orangish brown gravelly fine to medium SAND. Gravel is angular fine to coarse of concrete, slag and quartz. (Maximum particle size present 60mm) (MADE GROUND) 0.40 m layer of terram 0.40 m concrete boulder (900x600x300mm in size)		
0.70	D 3		3 Dark brown slightly gravelly fine to medium SAND with rare clay pockets less than 25mm in size. Gravel is subangular to subrounded fine to coarse of quartz. (Maximum particle size present 60mm) (MADE GROUND) EXPLORATORY HOLE ENDS AT 1.30 m	1.00 +1.02		
1.00-1.30	B 5	x1		1.30 +0.72		
1.20	D 4	05/09/2010 dry				

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.30 Trial pit terminated due to concrete slabs.	Stability Stable Shoring None Weather Fine
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:09	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP6 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 19/10/2010 End 27/11/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.70 m Length 3.00 m 080 (Deg)	Ground Level +4.35 mOD Coordinates E 647388.10 National Grid N 264323.86 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
0.10-0.20 0.10-0.20	D 1 B 2	x2	1 Dark brown fine to medium SAND with frequent roots and rootlets. (Maximum particle size present 2mm) (MADE GROUND)		0.10 +4.25		
			2 Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments and occasional pockets of firm grey sandy clay and medium cobble content. Gravel is angular to rounded fine to coarse of mixed lithologies including flint, brick and concrete. Cobbles are angular of brick. (Maximum particle size present 150mm) (MADE GROUND)		(0.50) 0.60 +3.75		
1.00-1.50 1.00-1.50	D 3 B 4	x2	3 Orangish brown gravelly SAND with high cobble content and high boulder content. Gravel is angular to rounded fine to coarse of mixed lithologies including flint, brick and concrete. Cobbles are angular to subangular of concrete and brick. Boulders are angular to subangular of concrete up to 900x500x200mm in size. (Maximum particle size present 900mm) (MADE GROUND)		(3.40)		
2.00-2.50 2.00-2.50	D 5 B 6	x2					
		19/10/2010 27/11/2010 0800					
4.00-4.50 4.00-4.50	D 7 B 8	x2	4 Grey silty sandy angular to rounded fine to coarse of GRAVEL of mixed lithologies including flint. (Maximum particle size present 50mm) (RECENT DEPOSITS)		4.00 +0.35		
		27/11/2010			(0.50)		
			EXPLORATORY HOLE ENDS AT 4.50 m		4.50 -0.15		
Depth	Type & No.	Records Date					

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 4.00 Fast inflow	Depth Related Remarks * From to (m) 4.50 Trial pit terminated on client instruction.	Stability Poor Shoring None Weather Cloudy, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP7 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 19/10/2010 End 27/11/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.70 m Length 3.00 m 	Ground Level +3.29 mOD Coordinates E 647470.58 National Grid N 264311.08 Chainage
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Samples and Tests			Strata		Ground Level	
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10-0.20 0.10-0.20	D 1 B 2	x2	1 Dark brown SAND with frequent roots and rootlets. (Maximum particle size present 2mm) (MADE GROUND)	0.10 +3.19		
			2 Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Maximum particle size present 20mm) (MADE GROUND)	(1.00)		
1.10-1.50 1.10-1.50	D 3 B 4	x2	3 Greyish brown slightly gravelly SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (Maximum particle size present 60mm) (MADE GROUND)	1.10 +2.19		
2.00-2.50 2.00-2.50	D 5 B 6	x2	4 Dark grey silty SAND. (Maximum particle size present 2mm) (MADE GROUND)	2.20 +1.09		
		19/10/2010 27/11/2010 0800	2.30 m face D - fragments of black geotextile / membrane	(2.10)		
4.30-4.50 4.30-4.50	D 7 B 8	x2 27/11/2010	5 Dark grey slightly silty sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Slight organic odour present. (Maximum particle size present 50mm) (RECENT DEPOSITS)	4.30 -1.01		
			EXPLORATORY HOLE ENDS AT 4.50 m	4.50 -1.21		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.00 Seepage 2 4.30 Fast inflow	Depth Related Remarks * From to (m) 4.50 Trial pit terminated on clients instruction.	Stability Good Shoring None Weather Cloudy, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:13	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP8 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 08/12/2010 End 08/12/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 3.00 m 020 (Deg)	Ground Level +8.03 mOD Coordinates E 647540.80 National Grid N 264328.45 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
			1 Dark brown slightly silty SAND with frequent roots and rootlets. (MADE GROUND)		0.20 +7.83		
0.50-1.00 0.50-1.00	D 1 B 2	x2	2 Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments and rare coarse gravel size pockets of firm orangish brown silty clay. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (Maximum particle size present 60mm) (MADE GROUND)		(0.80)		
1.20-1.80 1.20-1.80	D 3 B 4	x2	3 Dark orangish brown slightly silty gravelly SAND with low cobble content of angular to subangular concrete and rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including granite, flint, concrete, metal and wood. (Maximum particle size present 200mm) (MADE GROUND)		1.00 +7.03		
2.00-2.80 2.00-2.80	D 5 B 6	x2	1.00 m fragment of black geotextile on Face C		(1.80)		
		08/12/2010 dry	EXPLORATORY HOLE ENDS AT 2.80 m		2.80 +5.23		

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability
			From to (m) 2.80 Trial pit terminated due to concrete obstruction and pit instability.	Poor
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Shoring	None
			Weather	Sunny, dry

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project Project No. Carried out for	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 NNB Generation Company Limited	Trial Pit TP9 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 05/09/2010 End 05/09/2010	Equipment, Methods and Remarks Mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.35 m Length 1.60 m 	Ground Level +1.43 mOD Coordinates E 647199.56 National Grid N 264238.56 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly gravelly fine SAND with frequent rootlets. Gravel is subangular to rounded fine to coarse of flint and quartz. (TOPSOIL)	0.10 +1.33		
		05/09/2010	2 Light brown fine to medium SAND and GRAVEL. Gravel is subangular to rounded fine to coarse of quartz and flint. (Possibly MADE GROUND)	(0.80)		
			----- EXPLORATORY HOLE ENDS AT 0.90 m	0.90 +0.53		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.70 Slow inflow	Depth Related Remarks * From to (m) 0.90 Trial pit terminated due to collapse of sides.	Stability Unstable from 0.50m. Shoring None Weather Fine
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:08:16	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP11 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 05/09/2010 End 05/09/2010	Equipment, Methods and Remarks Mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.35 m Length 1.60 m 	Ground Level +1.86 mOD Coordinates E 647301.48 National Grid N 264262.93 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Brown slightly gravelly fine SAND with frequent rootlets. Gravel is subangular to rounded fine to medium of quartz and flint. (TOPSOIL)		0.10	+1.76		
			2 Orangish brown slightly gravelly fine to medium SAND with occasional rootlets. Gravel is subangular to subrounded fine to coarse of quartz and flint. (MADE GROUND)		(1.10)			
		05/09/2010	3 Greyish brown slightly gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments and rare wood fragments. Gravel is subangular of flint. (MADE GROUND)		1.20	+0.66		
			0.40 m 2 No. concrete cobbles (100x200x130mm/160x140x30mm in size)					
			1.30 m fragment of plywood board					
			EXPLORATORY HOLE ENDS AT 1.80 m		1.80	+0.06		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.60 Slight inflow	Depth Related Remarks * From to (m) 1.80 Trial pit terminated due to collapse of side wall.	Stability Unstable from 0.90m Shoring None Weather Fine
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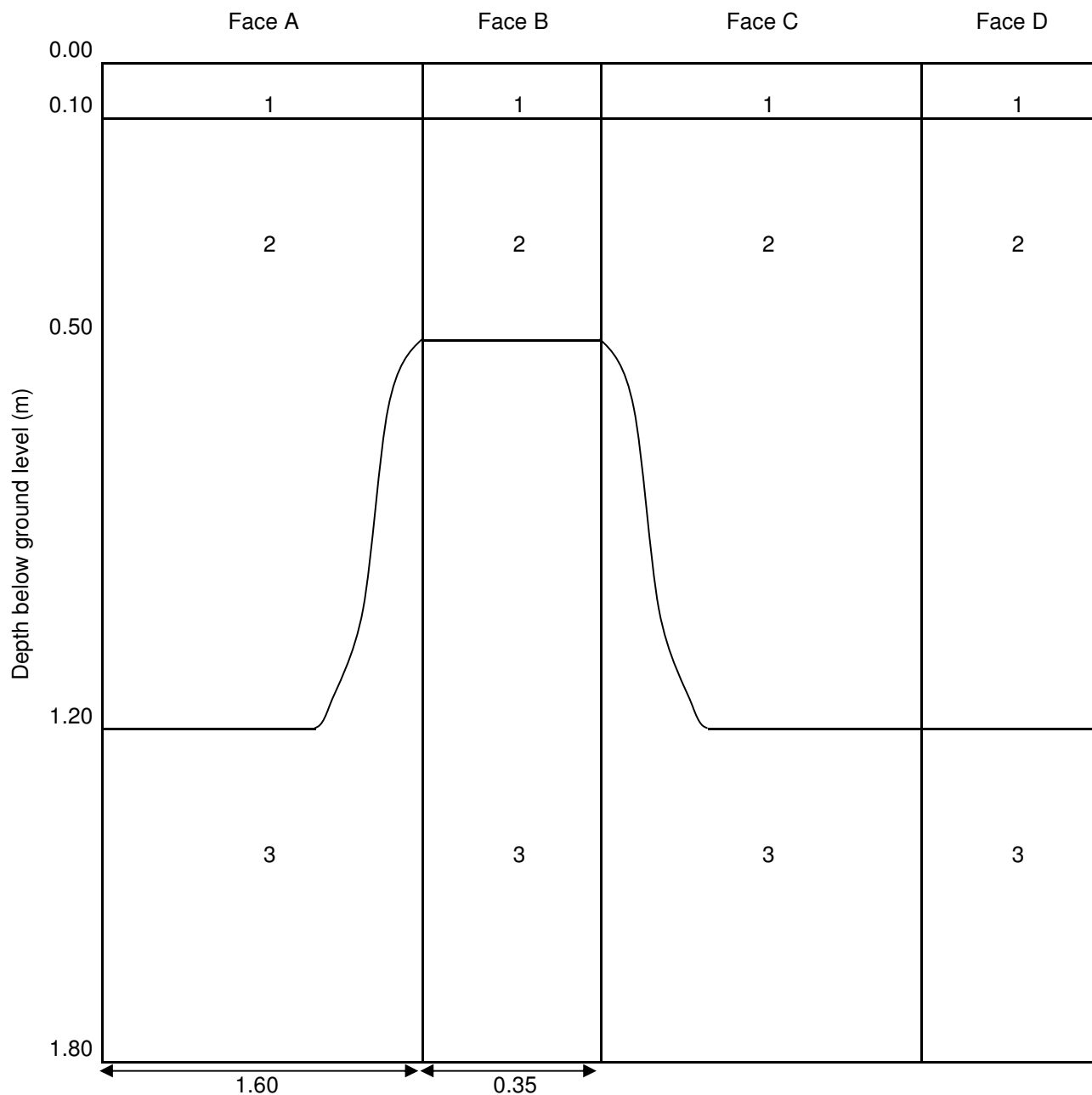
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP12 Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company limited

Trial Pit
TP12

Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 30/09/2010 End 30/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.20 m 	Ground Level +1.61 mOD Coordinates E 647382.87 National Grid N 264255.13 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		30/09/2010	1 Orange brown, locally light brown, slightly silty SAND. (Possibly MADE GROUND)	(0.80)		
			EXPLORATORY HOLE ENDS AT 0.80 m	0.80 +0.81		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.60 Fast inflow	Depth Related Remarks * From to (m) 0.80 Trial pit terminated due to water ingress.	Stability Stable Shoring None Weather Cloud
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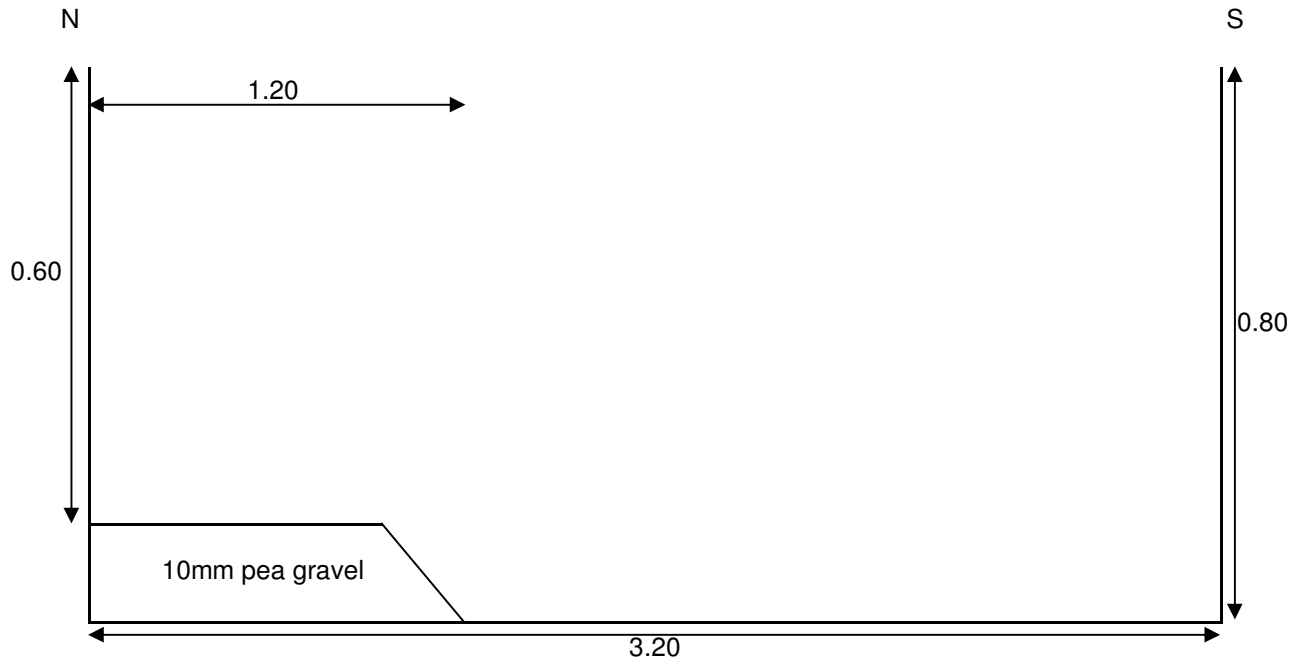
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:08:19	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP13 Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Trial Pit
TP13

Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks E80 MSR. Machine excavated trial pit.	Dimensions and Orientation Width 1.80 m Length 3.60 m 	Ground Level +2.24 mOD Coordinates E 647470.37 National Grid N 264263.92 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-0.30	B 1	x2	1 Orangish brown slightly gravelly fine to medium SAND with low cobble content. Gravel is subangular to rounded fine to coarse of flint and quartz. Cobble is angular of concrete 450x380x160mm in size. (MADE GROUND)	(0.30)		
0.20	D 2			0.30 +1.94		
0.50-0.90	B 3	x2	2 Light orangish brown fine to medium SAND with rare fine gravel size shell fragments and occasional soft dark grey clay pockets. (MADE GROUND)	(1.20)		
0.80	D 4			1.50 +0.74		
1.80-2.10	B 5	x2	3 Grey slightly gravelly fine to coarse SAND with rare firm grey clay pockets. Gravel is subrounded to rounded medium of coarse of flint. (Maximum particle size present 20mm) (MADE GROUND)	(1.20)		
2.00	D 6			2.70 -0.46		
			EXPLORATORY HOLE ENDS AT 2.70 m			

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability
			From to (m) 2.70 Trial pit terminated due to collapse of side walls.	Unstable from 1.00m
Groundwater Entries				Shoring
No. Struck (m)	Post Strike Behaviour			None
1 1.65	Seepage			Weather
				Fine

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP14 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 19/10/2010 End 27/11/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 3.00 m 	Ground Level +6.97 mOD Coordinates E 647530.28 National Grid N 264269.73 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10-0.20 0.10-0.20	D 1 B 2	x1	1 Dark brown SAND with frequent rootlets. (Maximum particle size present 2mm) (MADE GROUND)	0.10 +6.87		
1.00-1.50 1.00-1.50	D 3 B 4	x2	2 Orangish brown slightly silty slightly gravelly SAND with low cobble content. Gravel is angular to rounded fine to coarse of mixed lithologies including concrete and flint. Cobbles are angular of brick fragments. (Maximum particle size present 100mm) (MADE GROUND)	(1.90)		
2.00-2.50 2.00-2.50	D 5 B 6	x2	3 Orangish brown gravelly SAND with medium cobble content and medium boulder content. Gravel is angular to rounded fine to coarse of mixed lithologies including flint, concrete, macadam, plastic, wood and brick. Cobbles are angular to subangular of brick and concrete. Boulders are angular of concrete up to 700x600x200mm in size. (Maximum particle size present 700mm) (MADE GROUND)	2.00 +4.97		
3.00-4.00 3.00-4.00	D 7 B 8	x2		(2.00)		
			EXPLORATORY HOLE ENDS AT 4.00 m	4.00 +2.97		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 4.00 Trial pit terminated on client instruction.	Stability Moderate Shoring None Weather Sunny, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE Carried out for A0012-10 NNB Generation Company Limited	Trial Pit TP15 Sheet 1 of 1
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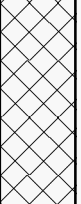
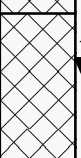


Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks E80 MSR Machine excavated trial pit.	Dimensions and Orientation Width 0.50 m Length 2.20 m 	Ground Level +1.51 mOD Coordinates E 647139.80 National Grid N 264200.09 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly gravelly fine to medium SAND with frequent rootlets. Gravel is subangular to subrounded fine to coarse of quartz. (TOPSOIL)	0.10 +1.41		
			2 Orangish brown gravelly fine to medium SAND. Gravel is subrounded fine to coarse of quartz and flint. Below 0.40m, becoming slightly silty. (Possibly MADE GROUND)	(0.90)		
		18/09/2010	3 Greyish brown slightly gravelly fine to medium SAND. Gravel is subrounded to rounded fine to coarse of quartz of flint. (Possibly MADE GROUND)	1.00 +0.51 (0.50)		
			EXPLORATORY HOLE ENDS AT 1.50 m	1.50 +0.01		

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability
			From to (m) 1.50 Trial pit terminated due to collapse of side walls.	Unstable from 1.00m
Groundwater Entries				Shoring
No. Struck (m)	Post Strike Behaviour			None
1 1.20	Seepage			Weather
				Fine

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. Carried out for NNB Generation Company Limited	Trial Pit TP17 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks E80 MSR Machine excavated trial pit.	Dimensions and Orientation Width 0.50 m Length 2.30 m 	Ground Level +1.57 mOD Coordinates E 647219.14 National Grid N 264187.63 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Brown and orangish brown slightly gravelly fine to medium SAND with frequent rootlets. Gravel is subangular to subrounded fine to medium of quartz. (TOPSOIL)		0.10	+1.47		
			2 Grey subangular to rounded fine to coarse GRAVEL of quartz and flint. (Possibly MADE GROUND)		(0.60)			
			3 Grey slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular fine to medium of claystone. (Possibly RECENT DEPOSITS)		0.70	+0.87		
		18/09/2010			(0.80)			
			EXPLORATORY HOLE ENDS AT 1.50 m		1.50	+0.07		

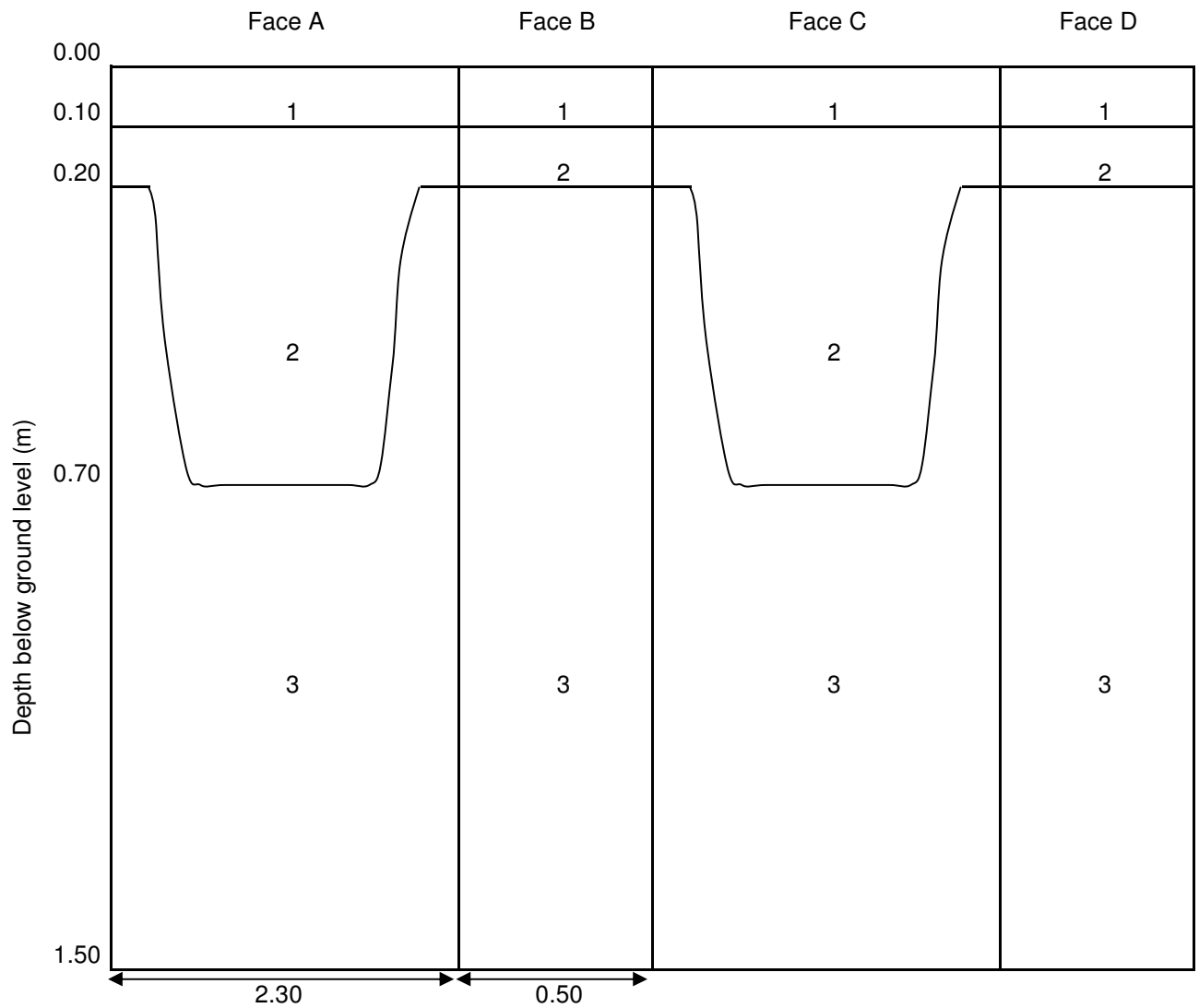
Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.00 Seepage 2 1.30 Moderate inflow	Depth Related Remarks * From to (m) 1.50 Trial pit terminated due to collapse of side walls.	Stability Unstable from 0.90m Shoring None Weather Fine
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:08:26	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP18 Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Trial Pit
TP18

Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 05/09/2010 End 05/09/2010	Equipment, Methods and Remarks Mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.38 m Length 1.80 m 	Ground Level +1.40 mOD Coordinates E 647300.65 National Grid N 264208.47 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Brown fine to medium SAND with frequent rootlets. (TOPSOIL)	0.10 +1.30		
			2 Orangish brown slightly gravelly fine to medium SAND with occasional clay pockets less than 70mm in size. (MADE GROUND)	(0.70)		
		05/09/2010	3 Grey fine to medium slightly clayey SAND with frequent fine to medium gravel size shell fragments. (MADE GROUND)	0.80 +0.60		
			EXPLORATORY HOLE ENDS AT 1.40 m	1.40 0.00		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.90 Moderate inflow	Depth Related Remarks * From to (m) 1.40 Trial pit terminated due to collapse of side walls.	Stability Unstable from 0.80m Shoring None Weather Fine
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:08:28	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP19 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks E80 MSR Machine excavated trial pit.	Dimensions and Orientation Width 0.50 m Length 2.60 m 	Ground Level +1.58 mOD Coordinates E 647371.61 National Grid N 264169.00 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly silty slightly gravelly fine to medium SAND with frequent rootlets. Gravel is subrounded fine to medium of quartz. (TOPSOIL)	0.05 +1.53 (0.35)		
		18/09/2010	2 Orangish brown slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional dark grey soft clay pockets. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	0.40 +1.18 (0.50)		
			3 Dark grey slightly clayey slightly sandy GRAVEL of rounded medium to coarse flint. (Possibly MADE GROUND) EXPLORATORY HOLE ENDS AT 0.90 m	0.90 +0.68		

Depth Type & No. Records Date	Depth Related Remarks * From to (m) 0.90 Trial pit terminated due to collapse of side walls.	Stability Unstable from 0.45m Shoring None Weather Fine
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:30	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP20 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks E80 MSR Machine excavated trial pit.	Dimensions and Orientation Width 1.80 m Length 3.40 m 	Ground Level +1.77 mOD Coordinates E 647441.73 National Grid N 264224.48 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
0.10-0.40	B 1	x2	1 Dark brown slightly gravelly fine to medium SAND with occasional rootlets. Gravel is subangular to subrounded fine to coarse of flint and quartz. (TOPSOIL)		0.05 +1.72		
0.30	D 2				(0.35)		
0.50-0.80	B 3	x2	2 Orangish brown slightly gravelly fine to medium SAND with occasional rootlets. Gravel is subrounded fine to medium of flint. (Maximum particle size present 20mm) (Possibly MADE GROUND)		0.40 +1.37		
0.60	D 4						
		18/09/2010					
		dry					
			3 Light orangish brown slightly gravelly fine to medium SAND with rare fine gravel size shell fragments. Gravel is subrounded fine to medium of flint. (Maximum particle size present 20mm) (Possibly RECENT DEPOSITS)				
					(1.90)		
			EXPLORATORY HOLE ENDS AT 2.30 m		2.30 -0.53		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.30 Trial pit terminated due to collapse of side walls.	Stability Unstable from 1.10m Shoring None Weather Fine
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:32	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP21 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 08/12/2010 End 08/12/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 3.50 m 	Ground Level +2.34 mOD Coordinates E 647472.62 National Grid N 264177.29 Chainage
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Samples and Tests			Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
0.30-0.80	D 1	x2	1 Dark grey slightly silty SAND with frequent rootlets. (MADE GROUND)		0.05 +2.29		
0.30-0.80	B 2		2 Orangish brown slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Maximum particle size present 20mm) (MADE GROUND)		(0.95)		
1.00-1.30	D 3	x2	3 Light grey slightly gravelly SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (Maximum particle size present 60mm) (MADE GROUND)		1.00 +1.34		
1.30-1.90	D 4		4 Orangish brown slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and ceramic. (Maximum particle size present 60mm) (MADE GROUND)		(0.30)		
1.30-1.90	B 5	x2	5 Dark grey slightly silty gravelly SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Maximum particle size present 20mm) (RECENT DEPOSITS)		1.30 +1.04		
2.00-2.50	D 6				(0.60)		
2.00-2.50	B 7	x2			1.90 +0.44		
					(1.10)		
		08/12/2010			3.00 -0.66		
			EXPLORATORY HOLE ENDS AT 3.00 m				

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.80 Fast inflow	Depth Related Remarks * From to (m) 3.00 Trial pit terminated due to instability.	Stability Poor, collapsing from 1.80m Shoring None Weather Sunny, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:08:34	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP22 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 20/10/2010 End 27/11/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trail pit.	Dimensions and Orientation Width 0.60 m Length 3.00 m 	Ground Level +9.83 mOD Coordinates E 647530.03 National Grid N 264170.11 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
0.10-0.20 0.10-0.20	D 1 B 2	x2	1 Dark brown SAND with frequent roots and rootlets. (Maximum particle size present 2mm) (MADE GROUND)		0.10	+9.73	
1.00-1.40 1.00-1.40	D 3 B 4	x2	2 Orangish brown slightly silty, locally silty, gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and rare wood fragments. (Maximum particle size present 60mm) (MADE GROUND)				
2.00-2.50 2.00-2.50	D 5 B 6	x2	2.00-3.00 m occasional pockets of soft red brown sandy clay		(4.90)		
4.00-5.00 4.00-5.00	D 7 B 8	x2					
		20/10/2010					
		27/11/2010 0800					
		27/11/2010					
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m				

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 5.00 Trial pit terminated on clients instructions.	Stability Good Shoring None Weather Sunny, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP23 Sheet 1 of 1
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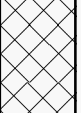

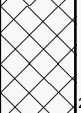


Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 04/09/2010 End 04/09/2010	Equipment, Methods and Remarks Mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.40 m Length 2.50 m 	Ground Level +1.74 mOD Coordinates E 647079.24 National Grid N 264110.27 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Brown fine SAND with frequent rootlets. (TOPSOIL)	0.10 +1.64		
			2 Orangish brown slightly gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments and occasional pockets of clay less than 70mm in size. Gravel is subangular to subrounded fine to coarse of quartz, flint and rare sandstone. (MADE GROUND)	(0.90)		
			3 Brown and dark brown slightly gravelly fine to medium SAND with occasional black staining and occasional fine to medium gravel size shell fragments. Below 1.50m, occasional pockets of clay less than 35mm in size. (MADE GROUND)	1.00 +0.74		1
		04/09/2010	1.20 m plastic corrugated material present	(0.90)		2
			1.80 m oily film on top of water present	1.90 -0.16		
			EXPLORATORY HOLE ENDS AT 1.90 m			

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability
			From to (m) 1.90 Trial pit terminated due to collapse of side walls.	Unstable from 1.50m
Groundwater Entries				Shoring
No. Struck (m)	Post Strike Behaviour			None
1 1.20	Slight seepage			Weather
2 1.80	Moderate inflow			Fine

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. Carried out for NNB Generation Company Limited	Trial Pit TP25 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 04/09/2010 End 04/09/2010	Equipment, Methods and Remarks Mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.35 m Length 1.55 m 	Ground Level +1.55 mOD Coordinates E 647149.54 National Grid N 264130.15 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Brown fine to medium SAND with frequent rootlets. (TOPSOIL)	0.10 +1.45		
			2 Orangish brown slightly gravelly fine to medium SAND with occasional rootlets. Gravel is subangular to subrounded fine to coarse of quartzite and flint. (MADE GROUND)	(0.70)		
		04/09/2010	3 Brownish grey and grey slightly gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular fine to coarse of flint. (Possibly RECENT DEPOSITS)	0.80 +0.75 (0.70)		
			EXPLORATORY HOLE ENDS AT 1.50 m	1.50 +0.05		
						1.50 m oily sheen on water surface

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.50 Trial pit terminated due to collapse of side walls.	Stability Unstable from 0.40 Shoring None Weather Fine, hot
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:39	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP26 Sheet 1 of 1
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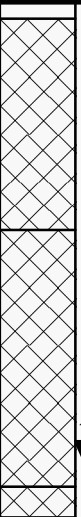
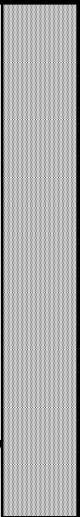


Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 05/09/2010 End 05/09/2010	Equipment, Methods and Remarks Mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.35 m Length 1.80 m 	Ground Level +1.51 mOD Coordinates E 647271.70 National Grid N 264131.30 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.05	D 1	x2	1 Brown fine to medium slightly gravelly SAND with frequent rootlets. Gravel is subrounded fine to medium of quartz and flint. (TOPSOIL)	0.05 +1.46		
0.20-0.40	B 2			(0.70)		
0.60	D 3	x2	2 Orangish brown slightly clayey slightly gravelly fine and medium SAND with occasional rootlets. Gravel is subrounded fine to coarse of quartz and flint. (Maximum particle size present 60mm) (MADE GROUND)	0.75 +0.76		
0.80-1.00	B 4			(0.85)		
1.30	D 5	05/09/2010	3 Grey and dark brown slightly clayey slightly gravelly fine to medium SAND with rare rootlets. Gravel is subrounded to rounded fine to coarse of quartz and flint. Organic odour present. (Maximum particle size present 60mm) (MADE GROUND) Below 1.30m, occasional bands of grey fine to medium sand present.	1.60 -0.10		
1.65	D 6			1.70 -0.20		
			4 Dark grey sandy GRAVEL of subrounded to rounded fine to coarse flint and occasional quartz. (Maximum particle size present 60mm) (MADE GROUND) EXPLORATORY HOLE ENDS AT 1.70 m			

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability
			From to (m) 1.70 Trial pit terminated due to collapse of sides.	Unstable from
Groundwater Entries				Shoring
No. Struck (m)	Post Strike Behaviour			None
1 1.50	rapid inflow			Weather
				Fine

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP27 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 08/12/2010 End 08/12/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 3.00 m 	Ground Level +4.00 mOD Coordinates E 647550.36 National Grid N 264119.50 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10-0.40 0.10-0.40	D 1 B 2	x2	1 Dark grey silty SAND with frequent rootlets. (MADE GROUND)	0.10 +3.90		
0.40-0.80 0.40-0.80	D 3 B 4	x2	2 Orangish brown slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (Maximum particle size present 60mm) (MADE GROUND)	0.40 +3.60 (0.30)		
1.00-1.50 1.00-1.50	D 5 B 6	x2	3 Light grey gravelly SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (Maximum particle size present 60mm) (MADE GROUND)	0.80 +3.20 (0.40)		
2.00-2.50 2.00-2.50	D 7 B 8	x2	4 Orangish brown slightly silty slightly gravelly SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and concrete. (Maximum particle size present 60mm) (MADE GROUND)	(2.20)		
		08/12/2010 dry				
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00 +1.00		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 3.00 Trial pit terminated due to instability.	Stability Poor Shoring None Weather Sunny, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:42	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP28 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged GA Checked MT	Start 04/09/2010 End 04/09/2010	Equipment, Methods and Remarks Mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.35 m Length 1.65 m 	Ground Level +1.71 mOD Coordinates E 647132.24 National Grid N 264066.60 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.05	D 1		1 Brown fine SAND with frequent rootlets. (TOPSOIL)		0.10	+1.61		
0.30-0.70	B 2	x2	2 Orangish brown slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular to subrounded fine to coarse of quartz, rare brick and slag. (Maximum particle size present 60mm) (MADE GROUND) Below 0.40m, becoming light brown, rare clay pockets less than 30mm in size present.		(0.90)			
0.90	D 3		3 Grey fine to coarse SAND. (MADE GROUND)		1.00	+0.71		
1.10-1.30	B 4	x2			(0.30)			
1.30	D 5	04/09/2010	EXPLORATORY HOLE ENDS AT 1.30 m		1.30	+0.41		
1.20 m 1 No. corrugated material present 300x70x10mm in size								

Depth Type & No. Records Date	Depth Related Remarks * From to (m)	Stability Unstable from 1.00m Shoring None Weather Fine, cloudy
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Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.00 Slightly seepage 2 1.10 Moderate seepage	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP29 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 12/10/2010 End 12/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.20 m 	Ground Level +1.41 mOD Coordinates E 647336.08 National Grid N 264058.81 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level / (Thickness)	Legend	Backfill/ Instruments
0.05 0.10-0.45	D 1 B 2	x2	1 Light brown slightly silty slightly gravelly fine to medium SAND with frequent rootlets. Gravel is subangular to subrounded fine to medium of various lithologies including chalk and flint. (Maximum particle size present 25mm) (TOPSOIL)	0.05 +1.36 (0.45)		
0.50-1.00 0.60	B 4 D 3	x2	2 Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint. (Maximum particle size present 45mm) (Possibly RECENT DEPOSITS)	0.50 +0.91 (1.00)		
		12/10/2010	3 Brown slightly clayey slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (Maximum particle size present 30mm) (Possibly RECENT DEPOSITS)			
			EXPLORATORY HOLE ENDS AT 1.50 m	1.50 -0.09		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.50 Trial pit terminated due to collapse of face A, B and C.	Stability Unstable Shoring None Weather Cool, windy, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:08:46	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP30 Sheet 1 of 1
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NOT PROTECTIVELY MARKED

Appendix F – Ground Investigation Factual Reports

On-shore Investigations Phase 1 for Sizewell Site 2011

CONTINUED

NOT PROTECTIVELY MARKED

Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 12/10/2010 End 12/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +2.16 mOD Coordinates E 647229.10 National Grid N 263976.58 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	D 1		1 Light brown slightly silty fine to medium SAND with rare rootlets and frequent roots present. (TOPSOIL)	0.10 +2.06		
0.30-0.50	B 2	x2	2 Orangish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including sandstone and flint. (Maximum particle size present 30mm) (MADE GROUND)	(0.80)		
		12/10/2010	3 CONCRETE. (MADE GROUND)	0.90 +1.26		
			EXPLORATORY HOLE ENDS AT 1.50 m	1.50 +0.66		

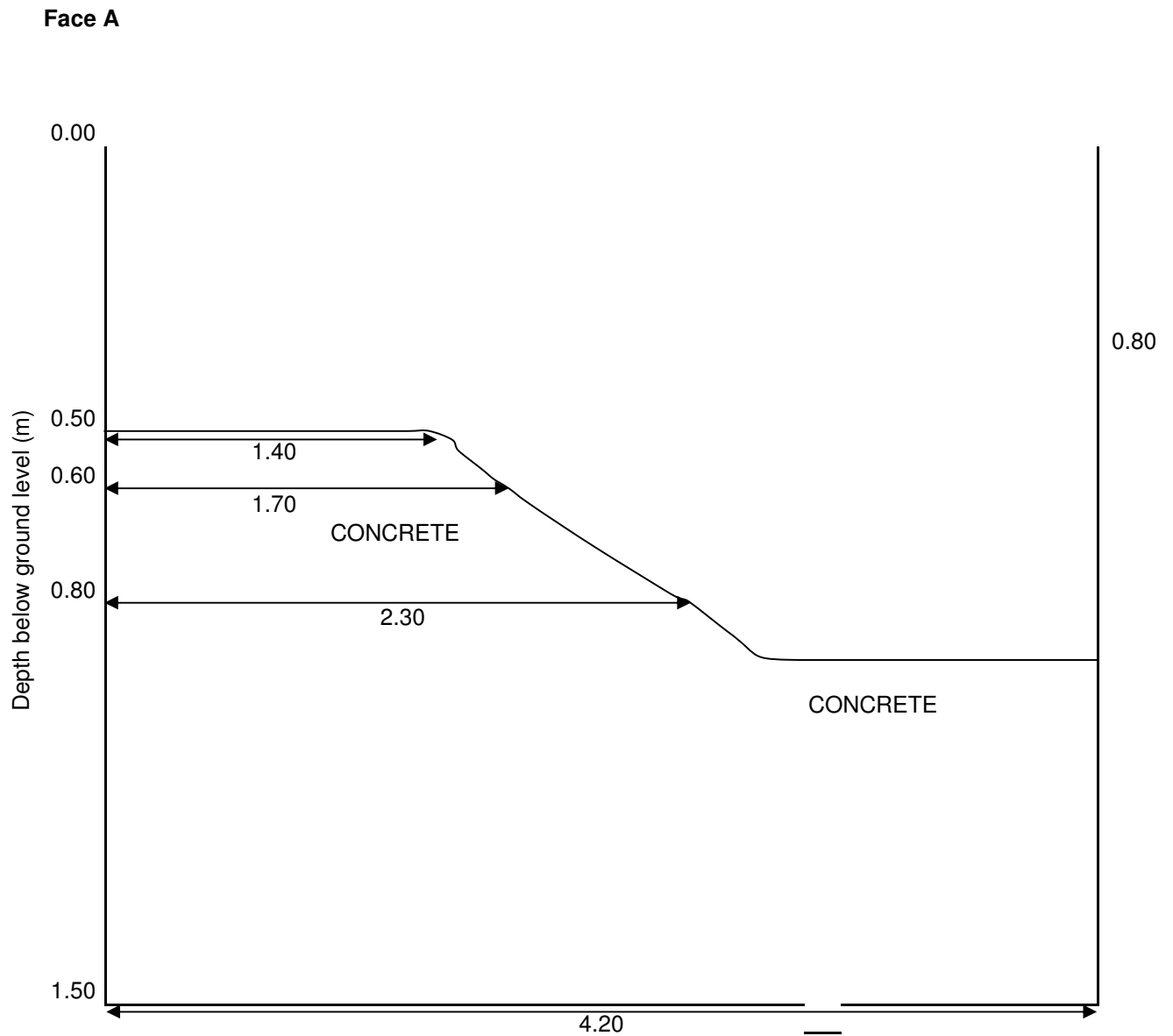
Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.50 Trial pit terminated due to concrete.	Stability Stable Shoring None Weather Cool, dry, windy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:59	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP39 Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Trial Pit
TP39

Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.00 m 	Ground Level +2.83 mOD Coordinates E 647240.80 National Grid N 263907.18 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Orange brown slightly gravelly, locally very gravelly, SAND. Gravel is subangular to angular fine to coarse of flint. (Possibly MADE GROUND)	0.00-0.10 m roots present	(0.90)	+1.93		
				0.30-0.50 m light orange brown				
			2 Light grey brown silty, locally very silty, gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to angular fine to coarse of flint. (Possibly MADE GROUND)	0.80 m occasional subrounded cobble up to 200mm in size	(1.10)			
		29/09/2010	3 Dark orange brown and grey brown slightly gravelly silty SAND with low cobble content and occasional fine to medium gravel size shell fragments. Gravel is subrounded to subangular fine to coarse of flint. Cobbles are subrounded of flint. Occasional fragments of wood present. (Possibly MADE GROUND)		(1.20)	+0.83		
			EXPLORATORY HOLE ENDS AT 3.20 m			-0.37		

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability	Partial collapse from 2.5m.
			From to (m) 3.20 Trial pit terminated due to collapse form 2.5m.	Shoring	None
				Weather	Rain, cloudy

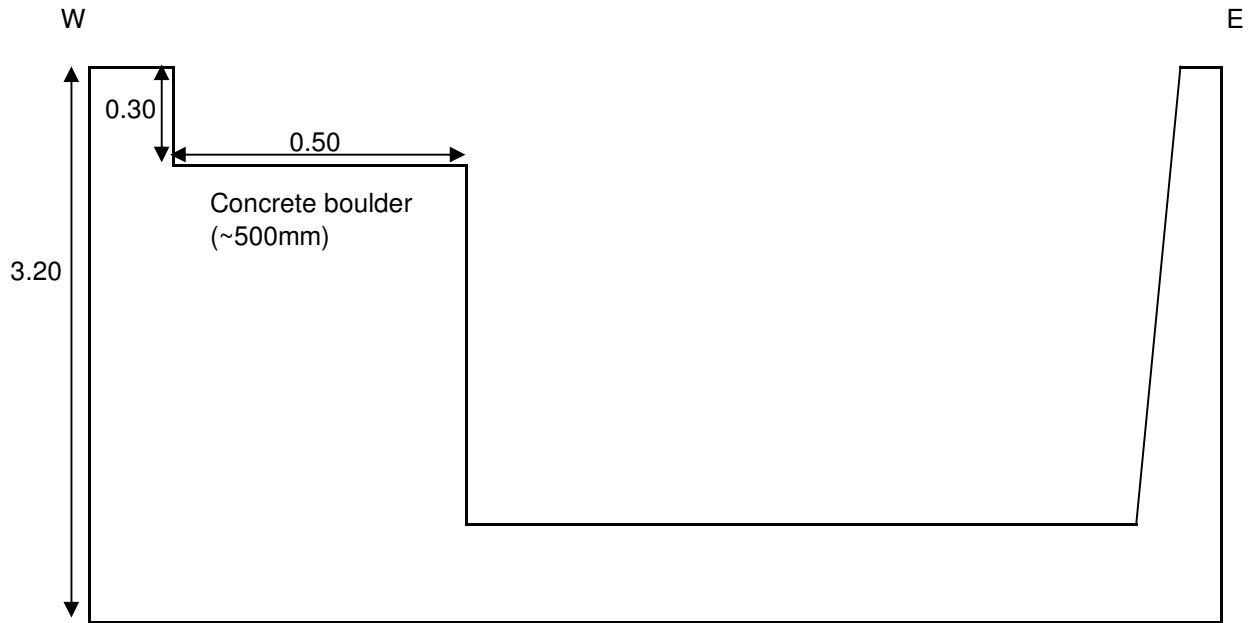
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.20 Seepage	Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP40 Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Trial Pit
TP40

Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.70 m 	Ground Level +2.43 mOD Coordinates E 647310.65 National Grid N 263939.85 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
		29/09/2010	1 Orange brown silty to slightly silty gravelly SAND. Gravel is subrounded to rounded fine to coarse of flint. (Possibly MADE GROUND) 2 Grey brown slightly gravelly very silty SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of flint. (Possibly MADE GROUND)		0.10	+2.33		
			0.20 m concrete boulder present 0.50 m light orange brown		(1.20)			
			EXPLORATORY HOLE ENDS AT 1.30 m		1.30	+1.13		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.30 Fast inflow	Depth Related Remarks * From to (m) 1.30 Trial pit terminated due to ground water ingress.	Stability Partial collapse from 1.0m. Shoring None Weather Cloudy, drizzle
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP41 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.60 m  105 (Deg)	Ground Level +5.10 mOD Coordinates E 647400.09 National Grid N 263928.79 Chainage
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Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
			1 Orange brown silty gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to coarse of flint and granite. (MADE GROUND)	(1.90)	[Cross-hatch pattern]	[Vertical lines]	
			2 Orange brown to light Orange brown silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subrounded to angular fine to coarse of granite. (MADE GROUND)	1.90 +3.20	[Cross-hatch pattern]	[Vertical lines]	
			3 Dark grey and black silty SAND with abundant roots. (Possibly RECENT DEPOSITS)	3.60 +1.50	[Stippled pattern]	[Vertical lines]	
		29/09/2010	4 Dark grey silty slightly gravelly SAND .Gravel is subrounded to rounded fine to coarse of various lithologies. (RECENT DEPOSITS)	3.80 +1.30	[Stippled pattern]	[Vertical lines]	
			EXPLORATORY HOLE ENDS AT 4.00 m	4.00 +1.10	[Stippled pattern]	[Vertical lines]	

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy, rain
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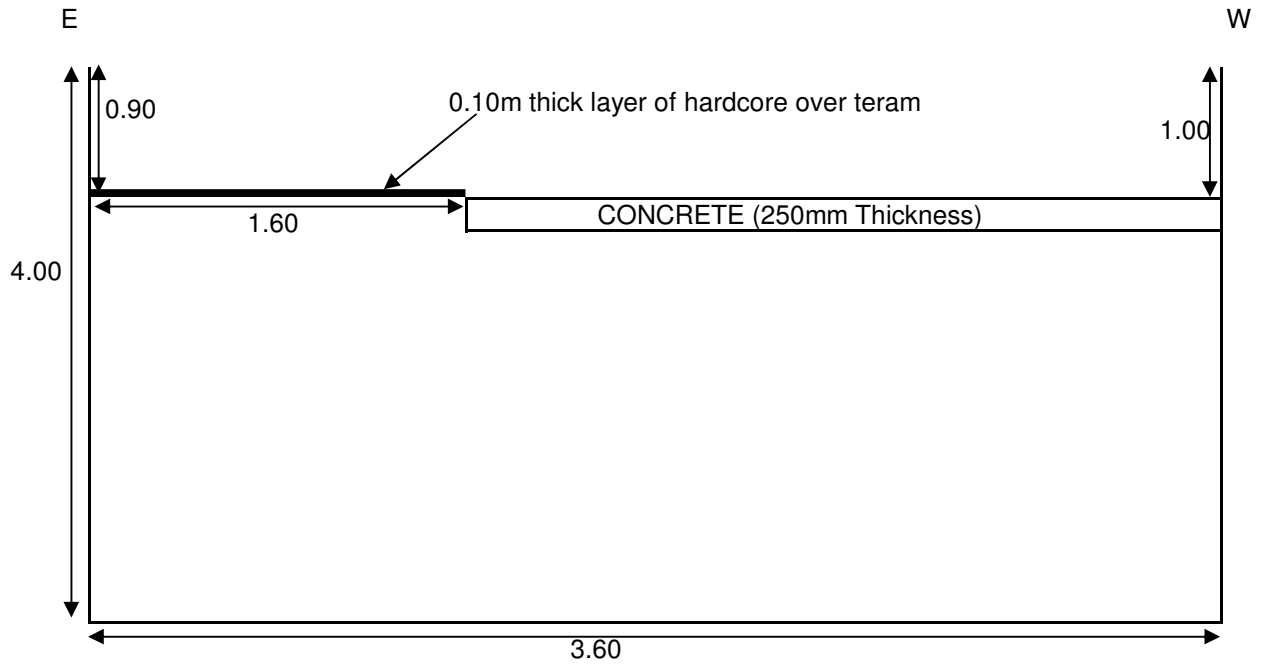
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:35	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP42 Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Trial Pit
TP42

Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.90 m 	Ground Level +2.43 mOD Coordinates E 647450.38 National Grid N 263958.81 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Dark orange brown silty SAND with frequent fine to medium gravel size shell fragments and frequent rootlets. (MADE GROUND)		0.25	+2.18		
			2 Orange brown to light orange brown silty SAND with high cobble content and frequent fine to medium gravel size shell fragments. Cobbles are subrounded of flint. (Possibly MADE GROUND)			(0.75)		
			3 Light grey and light grey brown silty SAND with occasional fine to medium gravel size shell fragments. Locally grading to slightly clayey sandy silt. (Possibly MADE GROUND)		1.00	+1.43		
		29/09/2010	4 Grey brown silty slightly gravelly SAND .Gravel is rounded to subrounded fine to coarse of various lithologies including flint. (Possibly MADE GROUND)		2.20	+0.23		
			EXPLORATORY HOLE ENDS AT 2.60 m		2.60	-0.17		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.90 Seepage	Depth Related Remarks * From to (m) 2.60 Trial pit terminated due to collapse.	Stability Partial collapse form 1.9m. Shoring None Weather Cloudy, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:37	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE Carried out for A0012-10 NNB Generation Company Limited	Trial Pit TP43 Sheet 1 of 1
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Trial Pit Log




Soil Mechanics

Logged JMH Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks 360 deg. Excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 2.00 m 	Ground Level +5.42 mOD Coordinates E 647252.76 National Grid N 263879.82 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Red brown HARDCORE. (MADE GROUND)			
			2 Orange brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	0.20 +5.22 (1.30)		
			3 Brown fine to medium SAND with frequent fine to medium gravel size shell fragments and occasional clay pockets up to 50mm in size. (MADE GROUND)	1.50 +3.92 (0.70)		
			4 Orange brown slightly silty fine to medium SAND with occasional fine to medium gravel size shell fragments and occasional clay horizons up to 20mm in thickness. (MADE GROUND)	2.20 +3.22 (0.90)		
			5 Grey brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	3.10 +2.32 (0.90)		
		24/11/2010 dry				
			EXPLORATORY HOLE ENDS AT 4.00 m	4.00 +1.42		

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability Good
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			From to (m)	Shoring None Weather Overcast, cold

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:38 	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP44 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged JMH Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks 360 deg. Excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.90 m Length 3.00 m 	Ground Level +6.21 mOD Coordinates E 647293.32 National Grid N 263871.80 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Red brown HARDCORE. (MADE GROUND)	(0.30)		
			2 Orange brown slightly silty slightly gravelly fine to medium SAND with rare clay horizons up to 20mm in thickness. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	0.30 +5.91		
		24/11/2010 dry		(1.70)		
			EXPLORATORY HOLE ENDS AT 2.00 m	2.00 +4.21		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.00 Trial pit Face A collapsed, uncovered 4" grey plastic pipe.	Stability None Shoring None Weather Overcast, cold
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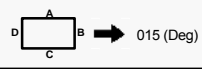
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:40	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP45 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged JMH	Start 24/11/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation		Ground Level +6.14 mOD
Checked MT	End 24/11/2010		Width 0.90 m	Length 3.00 m	



National Grid	N 263872.16
Chainage	

Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Red brown HARDCORE. (MADE GROUND)	(0.30)		
			2 Orange brown slightly silty slightly gravelly fine to medium SAND with rare clay horizons up to 20mm in thickness. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	0.30 +5.84 (2.10)		
			3 Grey brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint. Occasional organic matter present. (MADE GROUND)	2.40 +3.74 (0.60)		
		24/11/2010 dry				
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00 +3.14		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 3.00 Trial pit terminated due to collapse of Face A and C.	Stability Poor Shoring None Weather None
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:41	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP45A Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 30/09/2010 End 30/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.10 m 	Ground Level +6.23 mOD Coordinates E 647320.75 National Grid N 263895.48 Chainage
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Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Dark orange brown slightly silty slightly gravelly SAND. Gravel is rounded fine to coarse of various lithologies. (MADE GROUND)	0.00-0.10 m rootlets 0.10-1.00 m occasional concrete boulders up to 300mm in size 0.30 m occasional shells present 0.50 m rare wire present 1.00 m orange brown and dark orange brown layer present	(4.00)		
		30/09/2010	EXPLORATORY HOLE ENDS AT 4.00 m		4.00	+2.23	

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:43	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP46 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.10 m 	Ground Level +6.49 mOD Coordinates E 647476.84 National Grid N 263894.62 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Dark orange brown silty slightly gravelly SAND. Gravel is subrounded to angular fine to coarse of flint. (MADE GROUND)	0.00-0.20 m rootlets present 0.50 m orange brown layer present 1.00-1.40 m locally grey brown and gravelly	(2.30)			
		29/09/2010	2 Light grey brown to grey slightly silty, locally very silty, slightly gravelly SAND with occasional rootlets. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	2.80-3.10 m wood debris present 2.90 m 1 No. metal service post present 3.00 m occasional subangular to rounded cobbles of flint up to 200mm in size present	(1.90)			
			EXPLORATORY HOLE ENDS AT 4.20 m		4.20	+2.29		

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability Stable
			From to (m)	Shoring None
				Weather Cloudy, light rain

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. Carried out for NNB Generation Company Limited	Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:44	Trial Pit TP47 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 20/10/2010 End 20/10/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 3.00 m 	Ground Level +8.12 mOD Coordinates E 647540.27 National Grid N 263890.53 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
			1 Dark brown fine to coarse SAND with frequent roots and rootlets. (MADE GROUND)		0.10 +8.02		
			2 Orangish brown slightly gravelly SAND with rare pockets of friable brownish grey sandy silty clay with low cobble content. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. Cobbles are angular to subrounded of mixed lithologies including flint. (Maximum particle size present 150mm) (MADE GROUND)		(1.50)		
			3 Orangish brown gravelly SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including sandstone, flint and concrete. Sand 75%, sandstone 5%, flint 5%, concrete 15%. (Maximum particle size present 60mm) (MADE GROUND)		1.60 +6.52 (0.80)		
			4 Greyish brown slightly silty SAND with occasional black roots. (Possibly RECENT DEPOSITS)		2.40 +5.72 (0.30)		
		20/10/2010	5 Light grey slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)		2.70 +5.42 2.80 +5.32		
			EXPLORATORY HOLE ENDS AT 2.80 m				

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability Moderate
			From to (m) 2.80 Trial pit terminated due to instability.	Shoring None
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)				Weather Sunny, dry

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP48 Sheet 1 of 1
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Borehole Log



Drilled MR Logged CH Checked MT	Start 12/03/2011 End 12/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m	Ground Level +3.13 mOD Coordinates E 647142.88 National Grid N 263833.96 Chainage
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Samples and Tests				Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments	
0.30-0.80	B 1	x 2			MACADAM. (MADE GROUND)	0.20 +2.93			
					HARDCORE sub-base. (MADE GROUND)	0.30 +2.83			
1.10	D 2				Light brownish orange silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	(1.80)			
1.30-1.80	B 3	x 2							
2.10	D 4				Light brownish orange silty slightly gravelly SAND. Gravel is subrounded fine to medium of sandstone and flint. (MADE GROUND)	2.10 +1.03			
2.30-2.80	B 5	x 2							
3.10	D 6					(2.90)			
3.30-3.80	B 7	x 2							
4.10	D 8								
4.30-4.80	B 9	x 2							
5.00	D 10		12/03/2011	1800					
5.00	D 10		5.00		EXPLORATORY HOLE ENDS AT 5.00 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From (m)	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)					1.20	5.00	3.00-3.40	60 mins	Chisel

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole TP50 (BH)
Scale 1:25	Project No. A0012-10	Sheet 1 of 1
(c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 14:32:50	Carried out for NNB Generation Company Limited	

Trial Pit Log



Soil Mechanics

Logged JMH Checked MT	Start 25/11/2010 End 25/11/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 2.50 m 	Ground Level +6.27 mOD Coordinates E 647304.59 National Grid N 263836.93 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Red brown HARDCORE. (MADE GROUND)	(0.30)		
			2 Orangish brown slightly silty slightly gravelly SAND with frequent clay horizons up to 40mm in thickness. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	0.30 +5.97 (0.30)		
			3 Yellowish brown fine to medium SAND with occasional clay horizons up to 30mm in thickness. (MADE GROUND)	0.60 +5.67		
				(1.90)		
			4 Orangish brown fine to medium SAND with occasional clay horizons up to 20mm in thickness. (MADE GROUND)	2.50 +3.77		
				(1.00)		
		25/11/2010 dry				
			EXPLORATORY HOLE ENDS AT 3.50 m	3.50 +2.77		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.50 3.50 Trial pit terminated due to collapse of Face A.	Stability Poor Shoring None Weather Overcast, cold
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:47	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP51 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 30/09/2010 End 30/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.50 m 	Ground Level +6.50 mOD Coordinates E 647419.22 National Grid N 263865.11 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
			1 Dark orange brown silty gravelly SAND .Gravel is subangular to rounded fine to coarse of various lithologies including flint. (MADE GROUND)		0.00-0.20 m rootlets present 0.30 m concrete boulder up to 500mm in size present 0.50 m orange brown layer present 1.00-1.50 m concrete boulders up to 400mm in size present 1.20 m locally grey brown 2.00 m slightly silty slightly gravelly layer present 3.00 m occasional gravel present		
		30/09/2010			(4.20)		
			EXPLORATORY HOLE ENDS AT 4.20 m		4.20	+2.30	

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Collapse 0.5-3.5m. Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP52 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 01/10/2010 End 01/10/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.60 m 345 (Deg)	Ground Level +6.44 mOD Coordinates E 647468.85 National Grid N 263838.14 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50 0.50	B 1 D 2	x2	1 Orange brown slightly gravelly silty SAND with occasional fine to medium gravel size shell fragments. Gravel is subrounded to rounded fine to coarse of various lithologies. (Maximum particle size present 25mm) (Possibly MADE GROUND) 0.20 m rootlets present 0.40 m occasional cobbles up to 150mm in size present 0.50 m locally very silty	(1.00)		
1.50 1.50	B 3 D 4	x2	2 Orange, locally orange brown, silty SAND. (Possibly MADE GROUND)	1.00 +5.44 (2.00)		
2.50 2.50	B 5 D 6	x2				
			EXPLORATORY HOLE ENDS AT 3.00 m	3.00 +3.44		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 3.00 Trial pit terminated due to work area health and safety restrictions.	Stability Stable Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP53 Sheet 1 of 1
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Borehole Log



Drilled MR Logged CH Checked MT	Start 11/03/2011 End 11/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m	Ground Level +4.49 mOD Coordinates E 647068.54 National Grid N 263812.54 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments		
0.30-0.80	B 1	x 2			MACADAM. (MADE GROUND)	0.20 +4.29				
					HARDCORE sub-base. (MADE GROUND)	0.40 +4.09				
					Light brown orange silty gravelly SAND. Gravel is angular to subangular fine to coarse of concrete. (MADE GROUND)	(1.70)				
1.10	D 2									
1.30-1.80	B 3	x 2								
2.10	D 4									
2.30-2.80	B 5	x 2			Light brown orange silty SAND. (MADE GROUND)	2.10 +2.39				
3.10	D 6									
3.30-3.80	B 7	x 2				(2.90)				
4.10	D 8									
4.30-4.80	B 9	x 2								
5.00	D 10		11/03/2011	1800						
			5.00							
5.00	D 10				EXPLORATORY HOLE ENDS AT 5.00 m					

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour			From (m)	to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)					1.20	5.00	Water added to assist boring.	2.40 -2.54	60 mins	Chisel

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole TP54 (BH)
Scale 1:25	Project No. A0012-10	Sheet 1 of 1
(c) Soil Mechanics www.soil-mechanics.com	Carried out for NNB Generation Company Limited	

Trial Pit Log



Soil Mechanics

Logged JMH Checked MT	Start 25/11/2010 End 25/11/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.70 m Length 2.50 m 	Ground Level +6.36 mOD Coordinates E 647210.99 National Grid N 263818.93 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.20-0.60	B 2	x2	1 Brown subangular to rounded medium to coarse GRAVEL of flint. (Maximum particle size present 60mm) (MADE GROUND)	0.05 +6.31		
0.30	D 1			(0.60)		
0.65-0.90	B 4	x2	2 Orange brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (Maximum particle size present 60mm) (MADE GROUND)	0.65 +5.71		
0.80	D 3			(0.60)		
0.90-1.30	B 6	x2	3 Light brown SAND. (Maximum particle size present 2mm) (MADE GROUND)	0.90 +5.46		
1.00	D 5			(0.40)		
		25/11/2010	4 Orange brown slightly gravelly fine to medium SAND with low cobble content. Gravel is subangular to subrounded fine to coarse of flint and concrete. Cobbles are subangular of concrete. (Maximum particle size present 200mm) (MADE GROUND)	1.30 +5.06		
		dry		(0.40)		
			EXPLORATORY HOLE ENDS AT 1.30 m			

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.30 Trial pit terminated due to collapse of Face C and 6" drain running along Face A.	Stability Poor Shoring None Weather Overcast, cold
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:51	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP55 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged CH Checked MT	Start 14/12/2010 End 14/12/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.40 m Length 4.50 m 	Ground Level +6.29 mOD Coordinates E 647207.18 National Grid N 263818.86 Chainage
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Samples and Tests			Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
			1 Multicoloured medium to coarse GRAVEL of flint. (MADE GROUND)		0.05 +6.24		
			2 Orangish brown slightly gravelly fine to medium SAND with high cobble content. Gravel is subrounded to rounded fine to coarse of quartzite, brick and concrete. Cobbles are subangular to angular of concrete up to 250x250x300mm in size. (MADE GROUND)		(2.65)		
		14/12/2010 dry	0.50 m becoming less gravelly				
			EXPLORATORY HOLE ENDS AT 2.70 m		2.70 +3.59		

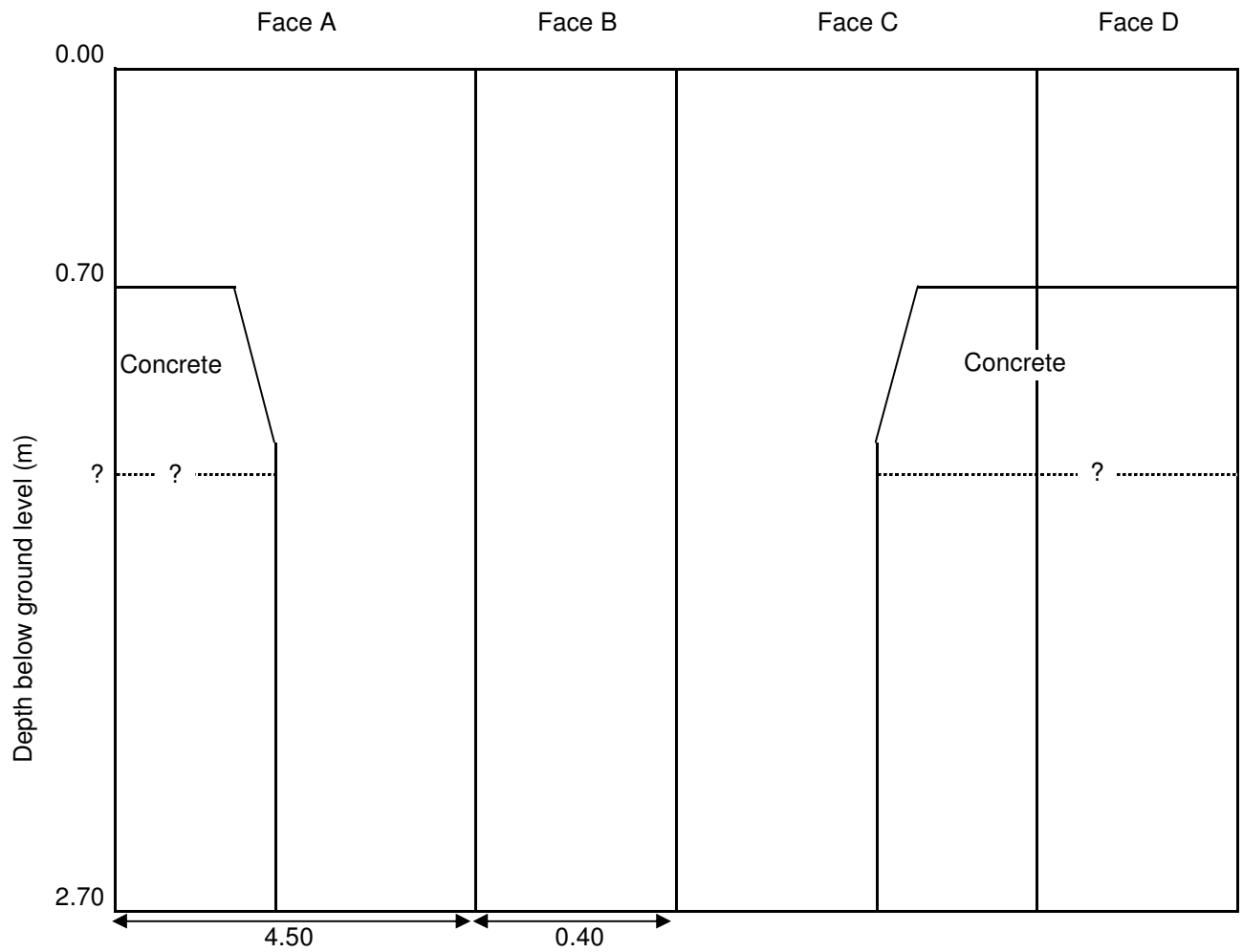
Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.70 Trial pit terminated due to collapse of Face C.	Stability Poor Shoring None Weather Sunny
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:53	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP55A Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

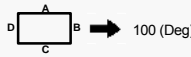
Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

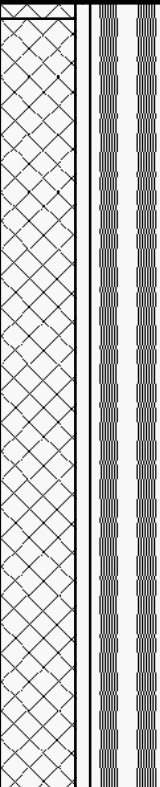
Trial Pit
TP55A

Trial Pit Log



Soil Mechanics

Logged CH	Start 14/12/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.40 m Length 3.60 m		Ground Level +6.42 mOD Coordinates E 647249.46 National Grid N 263818.29 Chainage
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Samples and Tests			Strata		
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend
			1 Multicoloured subrounded to rounded fine to coarse GRAVEL of flint. (MADE GROUND) 2 Orangish brown gravelly slightly silty SAND. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	0.05 +6.37	
		14/12/2010 dry		(2.55)	
			EXPLORATORY HOLE ENDS AT 2.60 m	2.60 +3.82	

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.60 Trial pit terminated due to collapse of Face C.	Stability Poor Shoring None Weather Sunny
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:54	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP56 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 30/09/2010 End 30/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +6.47 mOD Coordinates E 647371.76 National Grid N 263809.51 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Brown silty gravelly SAND with frequent rootlets. Gravel is subrounded to rounded fine to coarse of flint. (TOPSOIL)		0.15	+6.32		
			2 Light orange brown and orange brown slightly silty gravelly SAND with low cobble content. Gravel is angular to subrounded fine to coarse of various lithologies including flint. Cobbles are of concrete up to 100mm in size. (MADE GROUND)		(1.35)			
			3 Yellow brown to light orange brown slightly silty, SAND. (Possibly MADE GROUND)		1.50	+4.97		
		30/09/2010						
			EXPLORATORY HOLE ENDS AT 4.20 m		4.20	+2.27		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:56	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP57 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

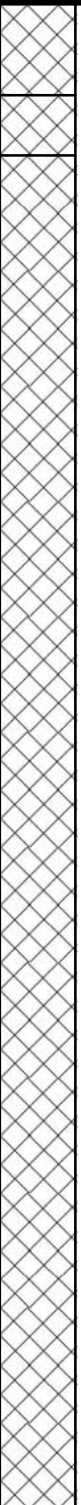

Logged SS Checked MT	Start 01/10/2010 End 01/10/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.20 m 	Ground Level +6.51 mOD Coordinates E 647497.53 National Grid N 263790.32 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50 0.50	B 1 D 2	x2	1 Brown silty gravelly SAND with frequent rootlets. Gravel is angular to subrounded fine to coarse of various lithologies including granite and flint. (Maximum particle size present 25mm) (Possibly MADE GROUND) 2 Orange brown light brown and yellow brown slightly silty SAND. (Possibly MADE GROUND)	0.15 +6.36 (0.45) 0.60 +5.91		
1.50 1.50	B 3 D 4	x2	3 Light orange brown to light brown slightly silty slightly gravelly SAND with low cobble content and frequent fine to medium gravel size shell fragments. Gravel is angular fine to coarse of siltstone. Cobbles are angular of siltstone up to 150mm in size. (Maximum particle size present 150mm in size) (Possibly MADE GROUND)	(2.60)		
2.50 2.50	B 5 D 6	x2				
		01/10/2010				
			EXPLORATORY HOLE ENDS AT 3.20 m	3.20 +3.31		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 3.20 Trial pit terminated due to work area health and safety restrictions.	Stability Stable Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:57	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP58 Sheet 1 of 1
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Trial Pit Log

Logged CH Checked MT		Start 13/03/2011 End 13/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Dimensions and Orientation Width - Length -		Ground Level Coordinates National Grid Chainage	+5.79 mOD E 647067.06 N 263772.94		
Samples and Tests			Strata						
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.00-0.30	B 1	x2	0.00-1.20 m Hand excavated in situ MADE GROUND			(0.30)			
0.30-0.50	B 1	x2	HARDCORE sub-base. (MADE GROUND)			0.30 +5.49			
0.50-1.10	D 2		Light brownish orange slightly silty slightly gravelly SAND with frequent fine to medium size shell fragments. Gravel is subangular to subrounded fine to medium of sandstone. (MADE GROUND)			0.50 +5.29			
1.10-1.30	B 3	x2							
1.30-2.10	D 4								
2.10-2.30	B 5	x2							
2.30-3.10	D 6								
3.10-3.30	B 7	x2							
3.30-4.10	D 8								
4.10-4.30	B 9	x2							
4.30-5.00	D 10	13/03/2011 1800							
5.00	D 10	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m						
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)				Stability Shoring Weather		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited				Trial Pit TP60 (BH) Sheet 1 of 1		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 15:02:24									

Borehole Log



Drilled MR Logged CH Checked MT	Start 10/03/2011 End 10/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m	Ground Level +4.59 mOD Coordinates E 647051.09 National Grid N 263708.09 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
		0.00-1.20 m Hand excavated inspection pit			TOPSOIL.					
0.30-0.80	B 1	x 2			HARDCORE sub-base. (MADE GROUND)	0.10 +4.49				
					Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of sandstone. (MADE GROUND)	0.25 +4.34				
1.10	D 2									
1.30-1.80	B 3	x 2								
2.10	D 4									
2.30-2.80	B 5	x 2								
						(4.75)				
3.10	D 6									
3.30-3.80	B 7	x 2								
4.10	D 8									
4.30-4.80	B 9	x 2								
5.00	D 10		10/03/2011	1800						
			5.00							
5.00	D 10				EXPLORATORY HOLE ENDS AT 5.00 m					

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)					3.00	5.00	Water added to assist boring.		

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole TP62 (BH)
Scale 1:25	Project No. A0012-10	Sheet 1 of 1
(c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 14:38:27	Carried out for NNB Generation Company Limited	

Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.30 m 	Ground Level +1.11 mOD Coordinates E 647010.73 National Grid N 262998.13 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Dark brown slightly silty SAND with frequent rootlets. (TOPSOIL)		0.20	+0.91		
			2 Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)		0.50	+0.61		
			3 Blackish grey slightly silty slightly clayey slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of various lithologies. (Possibly RECENT DEPOSITS)			(1.10)		
			4 Brown spongy fibrous PEAT. (RECENT DEPOSITS)		1.60	-0.50		
			5 Grey slightly silty SAND. (RECENT DEPOSITS)		2.80	-1.70		
		15/10/2010				(0.40)		
			EXPLORATORY HOLE ENDS AT 3.20 m		3.20	-2.10		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.40 Seepage 2 2.80 Flow	Depth Related Remarks * From to (m) 3.20 Trial pit terminated due to collapse.	Stability Good until 2.30m. Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:59	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP65 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 13/10/2010 End 13/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 2.00 m Length 3.70 m 	Ground Level +4.83 mOD Coordinates E 647178.89 National Grid N 262886.78 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10 0.10-0.20	D 1 B 2	x2	1 Brown slightly silty gravelly CLAY. Gravel is subangular to subrounded fine to coarse of various lithologies. (MADE GROUND))	(0.30)		
0.30 0.30-0.70	D 3 B 4	x2	2 Brownish orange slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	0.30 +4.53		
1.20-1.70	B 6	x2		(2.10)		
1.50	D 5					
		13/10/2010				
EXPLORATORY HOLE ENDS AT 2.40 m				2.40 +2.43		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.40 Trial pit terminated due to collapse of face A and C.	Stability Poor Shoring None Weather Drizzle
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:05	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP69 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 13/10/2010 End 13/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.70 m 	Ground Level +6.78 mOD Coordinates E 647162.59 National Grid N 262801.35 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (MADE GROUND)	(0.40)		
			2 Reddish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	0.40 +6.38 0.45 +6.33		
		13/10/2010	3 Brown orangish slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	(1.05)		
			EXPLORATORY HOLE ENDS AT 1.50 m	1.50 +5.28		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.50 Trail pit terminated due to collapse of face A.	Stability Poor Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:07	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP71 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +8.64 mOD Coordinates E 647111.07 National Grid N 262740.08 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.10 0.10-0.30	D 1 B 2	x2	1 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	(0.40)		
0.40 0.40-0.70	D 3 B 4	x2	2 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	0.40 +8.24 (0.30)		
0.80 0.80-1.40	D 5 B 6	x2	3 Orangish brown, locally black, slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	0.70 +7.94 (0.90)		
1.70 1.70-2.50	D 7 B 8	x2	4 Light brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	1.60 +7.04 (2.70)		
3.50-4.00 3.50	B 10 D 9	x2				
		14/10/2010				
			EXPLORATORY HOLE ENDS AT 4.30 m	4.30 +4.34		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Good Shoring None Weather Cloudy
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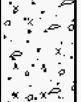
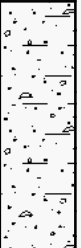
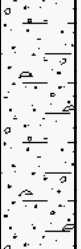

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:09	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP72 Sheet 1 of 1
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Trial Pit Log




Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +8.11 mOD Coordinates E 647134.46 National Grid N 262726.64 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.10 0.10-0.30	D 1 B 2	x2	1 Light brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	(0.40)		
0.50 0.50-1.00	D 3 B 4	x2	2 Orangish brown slightly sandy gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	0.40 +7.71		
1.70 1.70-2.40	D 5 B 6	x2		(3.20)		
2.70 2.70-3.40	D 7 B 8	x2				
		14/10/2010				
EXPLORATORY HOLE ENDS AT 3.60 m				3.60 +4.51		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 3.60 Trail pit terminated due to collapse.	Stability Good Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:11 	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP73 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.70 m 290 (Deg)	Ground Level +3.06 mOD Coordinates E 647243.73 National Grid N 262744.74 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (TOPSOIL)	(0.30)		
			2 Brownish orange slightly silty gravelly SAND. Gravel subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	0.30 +2.76 (0.90)		
			3 Firm reddish brown sandy to very sandy CLAY with pockets of grey fine sand. (RECENT DEPOSITS)	1.20 +1.86 1.40 +1.66		
			4 Yellowish brown slightly silty SAND. (RECENT DEPOSITS)	(0.50)		
			5 Firm to stiff grey mottled brown sandy CLAY. (RECENT DEPOSITS)	1.90 +1.16 (0.30)		
		14/10/2010	6 Reddish orange brown slightly silty SAND. (RECENT DEPOSITS)	2.20 +0.86 (0.40)		
			EXPLORATORY HOLE ENDS AT 2.60 m	2.60 +0.46		

Depth	Type & No.	Records Date				
Groundwater Entries			Depth Related Remarks *	Stability Good until 2.20m.		
No. Struck (m)	Post Strike Behaviour		From to (m)	Shoring None		
1 2.50	Seepage		2.60	Weather Cloudy		
2 2.60	Flow			Trial pit terminated collapsed due to water ingress.		

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for	Trial Pit TP74 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.30 m 	Ground Level +4.24 mOD Coordinates E 647108.76 National Grid N 262691.07 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	(0.35)		
			2 Brownish orange slightly silty gravelly SAND. Gravel is subangular to rounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	0.35 +3.89		
		14/10/2010		(3.25)		
			EXPLORATORY HOLE ENDS AT 3.60 m	3.60 +0.64		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.50 Seepage 2 3.60 Flow	Depth Related Remarks * From to (m) 3.60 Trial pit terminated due to collapse of face C.	Stability Good until 3.50m. Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:14	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP75 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.80 m 	Ground Level +1.82 mOD Coordinates E 647167.79 National Grid N 262657.12 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly silty slightly gravelly SAND. Gravel is subangular fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	(0.80)		
			2 Grey slightly silty SAND. (Possibly RECENT DEPOSITS)	0.80 +1.02 (0.50)		
		14/10/2010	3 Greyish orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. Pockets to coarse greenish grey sand and bands of purple coarse sand present. (Possibly RECENT DEPOSITS)	1.30 +0.52 (1.20)		
			EXPLORATORY HOLE ENDS AT 2.50 m	2.50 -0.68		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.40 Seepage	Depth Related Remarks * From to (m) 2.50 Trial pit terminated due to collapse.	Stability Poor Shoring None Weather Drizzle
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP76 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks TB125 mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 1.50 m 	Ground Level +4.24 mOD Coordinates E 646558.02 National Grid N 264613.55 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Brown slightly clayey fine to medium SAND with frequent rootlets and roots. (TOPSOIL)		0.10	+4.14		
			2 Orangish brown slightly silty fine to medium SAND with frequent tree roots up to 60mm in diameter. (RECENT DEPOSITS)		(0.90)			
			3 Orangish brown slightly silty fine to medium SAND. (RECENT DEPOSITS)		1.00	+3.24		
		15/10/2010	0.60 m 1 No fragments of metal in pit 0.80-1.00 m red wire present in pit					
			EXPLORATORY HOLE ENDS AT 2.50 m		2.50	+1.74		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.50 Trial pit terminated due to collapse of sides.	Stability Unstable Shoring None Weather Cool, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:23:16	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TPN1 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks TB125 mini digger Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 1.50 m 	Ground Level +1.41 mOD Coordinates E 646564.47 National Grid N 264594.34 Chainage
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Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
		15/10/2010	1 Brown slightly clayey slightly gravelly fine to medium SAND. Gravel is subangular fine to coarse various lithologies. (TOPSOIL) 2 Orangish brown slightly silty fine to coarse SAND. (RECENT DEPOSITS) 0.50 m light orange grey	0.10 +1.31 (0.60) 0.70 +0.71		
			EXPLORATORY HOLE ENDS AT 0.70 m			

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.40 Inflow	Depth Related Remarks * From to (m) 0.70 Trial pit terminated as full of water	Stability Unstable Shoring None Weather Cool, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:23:18	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TPN2 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 20/10/2010 End 20/10/2010	Equipment, Methods and Remarks TB125 mini digger Machine excavated trial pit.	Dimensions and Orientation Width 0.65 m Length 2.00 m 	Ground Level +3.76 mOD Coordinates E 646720.88 National Grid N 264576.70 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			1 Brown fine to medium SAND with occasional roots and rootlets. (TOPSOIL)	0.05 +3.71		
		20/10/2010	2 Orangish brown slightly silty slightly gravelly SAND with occasional roots and rootlets. Gravel is subangular fine to coarse of various lithologies including sandstone. (RECENT DEPOSITS)	(2.45)		
			EXPLORATORY HOLE ENDS AT 2.50 m	2.50 +1.26		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.50 - TP terminated on clients instruction.	Stability Stable Shoring None Weather Cool, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:23:21	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TPN4 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 12/10/2010 End 12/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 3.50 m Length 1.10 m 	Ground Level +1.49 mOD Coordinates E 647172.42 National Grid N 264271.93 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.10	D 1		1 Brown slightly silty fine to medium SAND with frequent rootlets. (MADE GROUND)		0.10	+1.39		
0.40	D 2		2 Orangish brown slightly silty slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular to subrounded fine to coarse of various lithologies including sandstone, quartzite and flint. (Maximum particle size present 50mm) (Possibly MADE GROUND)		(0.60)			
0.50-0.70	B 3	x2						
0.70	D 4		3 Firm grey slightly silty slightly sandy CLAY with occasional pockets of brown pseudo-fibrous peat and decaying plant debris. Occasional tree branches present 1.70m x 0.30m in size. (RECENT DEPOSITS)		0.70	+0.79		
0.70-1.20	B 5	x2			(0.50)			
1.30-1.60	B 7	x2	4 Light brown silty gravelly fine to coarse SAND with low cobble content.. Gravel is subangular to subrounded fine to coarse of flint and sandstone. Cobbles are subrounded of flint. (Maximum particle size present 80mm x 150mm x 40mm) (RECENT DEPOSITS)		1.20	+0.29		
		12/10/2010			(0.40)			
1.60	D 6	*			1.60	-0.11		
1.60	W 8		EXPLORATORY HOLE ENDS AT 1.60 m					

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.70 Seepage	Depth Related Remarks * From to (m) 1.60 Trial pit terminated due to running sand.	Stability Unstable Shoring None Weather Cool, dry, windy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:24:31	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP 2009_14 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.30 m 	Ground Level +4.03 mOD Coordinates E 647272.29 National Grid N 264568.32 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.10	D 1		1 Brown slightly silty slightly gravelly SAND with frequent rootlets. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)		0.20	+3.83		
0.30 0.30-0.70	D 2 B 3	x2	2 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)			(1.10)		
1.30 1.30-1.80	D 4 B 5	x2	3 Light yellowish brown slightly silty slightly gravelly SAND with cobble size pockets of reddish brown mica rich sand. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		1.30	+2.73		
1.90 1.90-2.40	D 6 B 7	x2	4 Light orangish brown slightly silty slightly gravelly SAND with pockets of firm grey mottled brown slightly sandy clay. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		1.90	+2.13		
3.10 3.10-3.60	D 8 B 9	x2	5 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		3.10	+0.93		
		15/10/2010				(1.40)		
			EXPLORATORY HOLE ENDS AT 4.50 m		4.50	-0.48		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.10 Damp 2 4.30 Flow	Depth Related Remarks * From to (m)	Stability Good Shoring None Weather Sunny
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +6.00 mOD Coordinates E 647135.17 National Grid N 264697.19 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.10 0.10-0.20	D 1 B 2	x2	1 Dark brown slightly clayey slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)		0.20	+5.80		
0.30 0.30-0.50	D 3 B 4	x2	2 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		0.50	+5.50		
0.70 0.80-1.40	D 5 B 6	x2	3 Brownish orange slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		(1.20)			
1.70 1.70-1.80	D 7 B 8	x1	4 Grey with iron staining sandy SILT. (RECENT DEPOSITS)		1.70	+4.30		
2.10-2.60 2.10	B 10 D 9	x2	5 Light yellow orangish brown slightly silty slightly gravelly SAND with rare bands of cemented sand. Gravel is subangular fine to coarse of sandstone and flint. (Maximum particle size present 60mm) (RECENT DEPOSITS)		1.80	+4.20		
3.00	D 11				(2.70)			
4.00-4.50	B 12	x2						
		15/10/2010						
EXPLORATORY HOLE ENDS AT 4.50 m					4.50	+1.50		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Good Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP 2009_16 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.70 m 	Ground Level +3.56 mOD Coordinates E 646924.27 National Grid N 264545.57 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.05	D 1		1 Dark brown slightly silty SAND with frequent roots and rootlets. (TOPSOIL)		0.10	+3.46		
0.20	D 2							
0.50-1.10	B 3	x2	2 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		(1.80)			
1.90	D 4		3 Light yellowish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of sandstone and siltstone. (Maximum particle size present 20mm) (RECENT DEPOSITS)		1.90	+1.66		
1.90-2.40	B 5	x2						
2.60	D 6	15/10/2010	4 Orange brown slightly silty slightly gravelly SAND with cobble size pockets of grey sandy silt. Gravel is subangular to subrounded fine to medium of various lithologies. (Maximum particle size present 20mm) (RECENT DEPOSITS)		2.60	+0.96		
2.60-2.70	B 7	x2						
			EXPLORATORY HOLE ENDS AT 2.70 m					

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.70 Trial pit terminated due to collapse.	Stability Poor Shoring None Weather Sunny
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:24:37	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP 2009_17 Sheet 1 of 1
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Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 120.00m 146mm 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests				Strata		Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water							
0.00-0.40	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with frequent roots and rootlets. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	0.50 m black geotextile sheet		(0.40)			
0.00-0.40	B 2					0.70 m black geotextile sheet					
0.40-1.00	D 3					1.20-1.50 m NO RECOVERY					
0.40-1.00	B 4					1.70 m black geotextile sheet					
1.20-1.90	57 N/A	Flush: 1.20-5.50 CS 5 mud/water, 100 %			Greyish pink slightly sandy GRAVEL of angular to subangular fine to coarse granite and basalt. (MADE GROUND)	1.95-2.60 m PARTIAL CORE RECOVERY.		(1.55)			
1.90-2.60	100 N/A					Orangish brown and greenish					
2.60-3.30	0 N/A					brown slightly clayey slightly gravelly fine to medium sand with occasional fine to coarse gravel size shell fragments.					
3.30-3.70	100 N/A					Gravel is subangular medium to coarse of claystone and rare subrounded flint (MADE GROUND)					
3.30-4.00	21 N/A	Flush: 5.50-11.50 mud/water, 50 %	19/08/2010	0.78	ZONE OF CORE LOSS. Foreman reports sandy gravelly fill. (Possibly MADE GROUND)	3.30-4.00 m PARTIAL CORE RECOVERY.					
4.00-4.75	0 N/A		4.00	0.80		Orangish brown clayey slightly gravelly sand with occasional fine to coarse gravel size shell fragments.					
4.75-5.50	15 N/A					Gravel is subangular medium to coarse of claystone and rare subrounded flint (MADE GROUND)					
5.50-6.25	0 N/A					3.30-4.00 m PARTIAL CORE RECOVERY.					
6.25-7.00	0 N/A	CS 6			Spongy becoming firm from 9.35m dark brown and dark reddish brown amorphous, locally pseudo-fibrous, PEAT with rare very soft grey silty clay bands. (RECENT DEPOSITS)	4.59-4.75 m PARTIAL CORE RECOVERY.					
7.00-7.75	0 N/A					Orangish brown clayey slightly gravelly fine to medium sand with occasional fine to coarse gravel size shell fragments.					
7.75-8.50	0 N/A					Gravel is subangular to subrounded fine to coarse of claystone and flint (MADE GROUND)					
8.50-9.00	0 N/A					6.14-6.25 m PARTIAL CORE RECOVERY.					
9.00-10.00	100 N/A	CS 7			(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	9.19-9.23 m very soft grey silty clay horizon					
9.60-10.00	0 N/A					11.37-11.50 m PARTIAL CORE RECOVERY.					
10.00-10.75	15 N/A					Grey and dark brown slightly gravelly fine to medium sand with occasional pockets of plastic dark brown amorphous peat.					
10.75-11.50	0 N/A					Gravel is subangular to subrounded fine to medium of flint					
11.50-12.25	0 N/A		20/08/2010	10.50							
12.25-13.00	29 N/A		21/08/2010	0800							
13.00-13.75	27 N/A		10.50	0.00							
13.75-14.50	0 N/A										
14.75-15.25	73 N/A										
14.50-15.25	0 N/A										
15.25-16.00	0 N/A										
16.00-16.75	20 N/A										
16.75-17.50	0 N/A										
17.50-18.00	0 N/A										
17.50-18.00	36 N/A										
18.00-18.50	0 N/A										
18.50-19.00	0 N/A										
19.00-19.50	0 N/A										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 11.50 Geobor S long nose pilot bit used. 11.50 12.25 Geobor S short nose pilot bit used. 12.25 20.50 Geobor 7 step surface set bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
19.50-20.50	0 N/A			21/08/2010 20.50	1.42 0800	(Boundary uncertain) ZONE OF CORE LOSS.	:: 11.37m - (RECENT DEPOSITS).			
20.50-21.25	N/A N/A			22/08/2010 20.50	0.23	Foreman reports sand. (Probably CRAG DEPOSITS)	:: 12.78m - 12.78-13.75 m PARTIAL CORE RECOVERY			
21.25-22.00	0 N/A N/A						Brown slightly clayey sand with frequent fine to medium gravel size shell fragments (CRAG DEPOSITS) ::	(22.50)		
22.00-22.75	0 N/A N/A						14.90-15.25 m PARTIAL CORE RECOVERY.			
22.75-23.50	0 N/A N/A						Dark grey slightly silty sand with occasional very thin soft grey silty clay laminae (CRAG DEPOSITS) ::			
23.50-24.25	0 N/A N/A						16.60-16.75 m PARTIAL CORE RECOVERY.			
24.25-25.00	0 N/A N/A						Dark grey slightly silty sand (CRAG DEPOSITS) ::			
25.00-25.75	0 N/A N/A						17.85-18.00 m PARTIAL CORE RECOVERY.			
25.75-26.50	0 N/A N/A						Dark grey slightly silty sand (CRAG DEPOSITS) ::			
26.50-27.25	11 N/A N/A						17.85-18.00 m PARTIAL CORE RECOVERY.			
27.25-28.00	0 N/A N/A						Dark grey slightly silty sand with frequent very thin silty clay laminae (CRAG DEPOSITS)			
28.00-28.75	0 N/A N/A						27.17-27.25 m PARTIAL CORE RECOVERY.			
28.75-29.50	0 N/A N/A						Grey sand with frequent fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
29.50-30.25	0 N/A N/A			22/08/2010 30.25	0.68 0800		31.72-31.75 m PARTIAL CORE RECOVERY.			
30.25-31.00	0 N/A N/A			23/08/2010 30.25	0.93		Weak dark grey mudstone (CRAG DEPOSITS)			
31.00-31.75	4 N/A N/A						33.16-33.25 m PARTIAL CORE RECOVERY.			
31.75-32.50	0 N/A N/A						Grey sand with occasional fine to medium gravel size shell fragments (CRAG DEPOSITS)	34.00 -31.65 (0.75)		
32.50-33.25	12 N/A N/A						34.75 -32.40			
33.25-34.00	0 N/A N/A						ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
34.00-34.75	100 N/A N/A		CS 8							
34.75-35.50	0 N/A N/A									
35.50-36.25	0 N/A N/A									
36.25-37.00	0 N/A N/A									
37.00-37.75	0 N/A N/A									
37.75-38.50	0 N/A N/A									
38.50-39.25	0 N/A N/A									
39.25-40.00	0 N/A N/A									
Stratum continues to 45.65 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 20.50 31.00 Geobor S PCD clam bit used. 31.00 43.00 Geobor S short nose pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
40.00-40.75	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)	(10.90)		
40.75-41.50	0 N/A N/A								
41.50-42.25	0 N/A N/A								
42.25-43.00	0 N/A N/A								
43.00-43.75	0 N/A N/A								
43.75-44.50	9 N/A N/A								
44.50-46.00	21 N/A N/A		Flush: 11.50-79.80 mud/water, 100 %	23/08/2010 46.00 24/08/2010 46.00	1.87 0800 1.80	44.43-44.50 m PARTIAL CORE RECOVERY. Grey fine to medium sand with rare fine to medium gravel size shell fragments (CRAG DEPOSITS) 46.00-46.45 m NO RECOVERY 46.50-46.55 m weak dark blueish grey mudstone horizon 46.60-46.71 m weak dark grey mudstone horizon 47.50-48.20 m NO RECOVERY 49.00-49.85 m NO RECOVERY	45.65 -43.30		
46.50-46.55	63 N/A N/A		CS 10						
46.60-46.71			CS 11						
46.00-47.50			CS 9						
47.50-49.00	53 N/A N/A			24/08/2010 49.00 01/09/2010 49.00	1.70 0800 0.72		(4.85)		
49.00-50.50	43 N/A N/A								
50.50-52.00	13 N/A N/A			01/09/2010 52.00 02/09/2010 52.00	0.00 0800 0.28	ZONE OF CORE LOSS. Foreman reports clay with sand bands. (Probably LONDON CLAY)	50.50 -48.15		
52.00-53.50	12 N/A N/A					51.80-52.00 m PARTIAL CORE RECOVERY. Very stiff dark grey clay (LONDON CLAY - A3ii)			
53.50-54.25	0 N/A N/A					53.32-53.50 m PARTIAL CORE RECOVERY. Medium strong dark blueish grey siltstone.	(7.50)		
54.25-55.00	0 N/A N/A								
55.00-56.00	0 N/A N/A								
56.00-56.50	0 N/A N/A								
56.50-57.00	0 N/A N/A								
57.00-58.00	5 N/A N/A			02/09/2010 58.00	0.20 0.28				
58.00-58.36	0 N/A N/A		SPT S 50 (12,13/18,16,16 for 60mm)	03/09/2010 58.00	0800 0.20	(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports fine soft sand. (probably LAMBETH GROUP - SAND)	58.00 -55.65		
58.00-58.75	0 N/A N/A		CS 12						
58.75-59.50	0 N/A N/A								
59.50-59.73	0 N/A N/A		SPT S 7 (6,4/4,3 for 2mm)	59.50	0.20				
59.50			CS 13						
Stratum continues to 62.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 43.00 49.00 Geobor S PCD clam bit used. 49.00 65.50 Geobor S 7 step surface set bit used. 58.00 67.50 Foreman reports blowing sand.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 120.00m 146mm 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests				Strata					
Depth	TCR SCR RQD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
59.50-61.00	0 N/A N/A		SPT S N=21 (10,10/9,6,4,2) CS 13a	61.00	0.20	(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports fine soft sand. (probably LAMBETH GROUP - SAND)	(4.50)		
61.00-61.45 61.00	7 N/A N/A			03/09/2010	0.00	61.00 m Dark brownish grey very clayey slightly gravelly fine to medium sand. Gravel is rounded medium			
61.00-62.50	43 N/A N/A		CS 22	02.56	0800	Brownish grey clayey slightly gravelly fine to medium SAND. Gravel is rounded medium to coarse of flint. (LAMBETH GROUP - SAND)	62.50	-60.15	
62.50-64.00	100 N/A N/A			04/09/2010	0.20		PARTIAL CORE RECOVERY. Slightly clayey sandy gravel of angular coarse siltstone		
64.20-64.80 64.00-64.75	100 N/A N/A		CS 14	64.50	0.00	frequent thin laminae of firm to stiff blueish grey silty clay NO RECOVERY		(5.00)	
64.75-65.50	0 N/A N/A			04/09/2010	0.00		64.65-64.75 m		
65.50-67.00 66.35-66.75	40 N/A N/A		CS 15	65.50	0800	Stiff dark grey and dark brownish grey thinly laminated extremely closely fissured CLAY with frequent grey and light grey silt laminae. (LAMBETH GROUP - CLAY)		(0.70)	
67.00-67.74	100 N/A N/A			06/09/2010	1.80		67.74 m lignite nodule present 20x10x2mm in size NO RECOVERY	67.50	-65.15
67.74-68.50	99 N/A N/A		CS 15	67.74	0800	Very stiff black and dark grey silty lignitic CLAY with occasional fine to medium lignite fragments. (LAMBETH GROUP - CLAY)		(0.30)	
68.75-69.20	83 N/A N/A			09/09/2010	0.00		68.50-68.75 m NO RECOVERY	68.20	-65.85
68.50-70.00	83 N/A N/A		CS 16	68.50	0800	Stiff to very stiff greyish green mottled red and light brown silty CLAY locally tending to clayey silt. (LAMBETH GROUP - CLAY)		(4.50)	
70.00-71.50	20 N/A N/A			13/09/2010	0.30		70.00-71.20 m NO RECOVERY		
71.50-73.00	51 N/A N/A		TCR 100, SCR NR, RQD NR	71.50	0.00	Very stiff dark grey thinly laminated CLAY, locally tending to extremely weak mudstone with occasional silt linings and rare dark green glauconite staining. (LAMBETH GROUP - CLAY)		(8.85)	
73.00-73.75	100 N/A N/A			72.00	0800		73.75-74.15 m NO RECOVERY	73.00	-70.65
73.75-74.50	49 N/A N/A		CS 16	73.75	0.00	74.15-74.25 m vertical planar smooth clean shear surface			
74.50-74.80	100 N/A N/A			74.50	0.00		74.15-74.25 m vertical planar smooth clean shear surface		
75.24-75.64 74.80-76.00	100 N/A N/A		CS 16	75.24	0.00	75.15-75.24 m subvertical planar smooth clean shear surface			
76.00-77.25	88 N/A N/A			75.64	0.00		75.15-75.24 m subvertical planar smooth clean shear surface		
77.25-78.60	0 N/A N/A		CS 16	77.25	0.00	75.75-76.00 m Occasional glauconite pockets less than 40mm in thickness NO RECOVERY		(8.85)	
78.60-79.00	0 N/A N/A			78.60	0.00		76.45-76.70 m subvertical to vertical planar smooth clean shear surface		
79.00-79.80	100 N/A N/A		CS 16	79.00	0800	77.25-79.00 m NO RECOVERY.			
				79.80	0.30				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m) 65.50	Depth Related Remarks * From to (m) 65.50 120.00 Geobor S PCD clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
80.10-80.50	100		CS 17			Very stiff dark grey thinly laminated CLAY, locally tending to extremely weak mudstone with occasional silt linings and rare dark green glauconite staining. (LAMBETH GROUP - CLAY)				
79.80-80.50	N/A									
80.50-82.00	10 N/A					Hard thinly laminated dark reddish brown CLAY. (LAMBETH GROUP - CLAY)	81.85 -79.50			
82.00-83.50	0 N/A						(2.90)			
83.50-84.75	56 N/A		CS 18			(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports grey SILT. (Probably CHALK)	84.75 -82.40			
84.35-84.75	N/A									
84.75-85.00			TCR 0, SCR 0, RQD 0			ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)				
85.00-85.75	0 0 0									
85.75-86.50	0 0 0									
86.50-87.25	0 0 0						(4.75)			
87.25-88.00	0 0 0									
88.00-88.75	0 0 0									
88.75-89.50	0 0 0									
89.50-90.25	0 0 0						89.50 -87.15			
90.25-91.00	0 0 0			15/09/2010 16/09/2010	0.00 0800 1.20					
91.00-92.50	0 0 0									
92.50-93.25	0 0 0									
93.25-94.00	0 0 0									
94.00-94.75	0 0 0									
94.75-95.50	0 0 0									
95.50	0		D 19			95.50 m friable greenish grey gravelly clay. Gravel is angular to subrounded fine to medium of flint and chalk				
95.50-96.25	0 0 0									
96.25-97.00	0 0 0									
97.00-97.75	0 0 0									
97.75-98.50	0 0 0									
98.50-99.25	0 0 0									
99.25-100.00	0 0 0					Stratum continues to 120.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests				Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
100.00-100.75	0 0 0			16/09/2010	4.60	ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)			
100.75-101.50	0 0 0			17/09/2010	0.80				
101.50-102.25	0 0 0								
102.25-103.00	0 0 0								
103.00	0 0 0		D 20				103.00 m light grey sandy silt. Sand is fine (probably chalk)		
103.00-103.75	0 0 0								
103.75-104.50	0 0 0								
104.50-106.00	0 0 0						(30.50)		
106.00-106.75	0 0 0								
106.75-107.50	0 0 0								
107.50-108.25	0 0 0								
108.25-109.00	0 0 0								
109.00-110.50	0 0 0			17/09/2010	0.50				
				18/09/2010	0.80				
110.50-112.00	0 0 0			110.00	0.50				
112.00	0 0 0		D 21				112.00 m very soft white gravelly clay. Gravel is angular to rounded fine to medium of flint (probably chalk)		
112.00-113.50	0 0 0								
113.50-114.25	0 0 0								
114.25-115.00	0 0 0								
115.00-115.75	0 0 0								
115.75-116.50	0 0 0			18/09/2010	0.00				
				21/09/2010	0.75				
116.50-118.00	0 0 0			116.00					
118.00-119.50	0 0 0								
119.50-120.00	0 0 0			21/09/2010	0.00				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	EXPLORATORY HOLE ENDS AT 120.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC	Start 02/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.			Depth from 0.00m	to 1.35m	Diameter 200mm	Casing Depth	Ground Level +2.36 mOD	
Logged ST	End 02/10/2010								Coordinates E 647216.15	
Checked MT									National Grid N 263968.28	
									Chainage	
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.	02/10/2010		Orangish brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)			0.30 ^(0.30)	↓	
0.10-0.60	B 2							(1.05)		
0.45	W 4				1.35	+1.01				
0.60	D 3				Purple sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including sandstone and granite. Sand is fine to coarse. (MADE GROUND)			EXPLORATORY HOLE ENDS AT 1.35 m		
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries					Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)			Depths (m)	Time	Tools used	
1	0.45	Rose to 0.40 m after 20 minutes.	-	1.35 Borehole terminated due to concrete obstruction.			1.20 -1.30	90 mins		
								1.30 -1.35	90 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL			Borehole		
					Project No. A0012-10			CBH 2009_1U		
					Carried out for NNB Generation Company Limited			Sheet 1 of 1		
Scale 1:100					(c) Soil Mechanics www.soil-mechanics.com					
					408.24 21/02/2011 14:28:12					

Borehole Log



Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level Coordinates National Grid Chainage	+2.54 mOD E 647213.63 N 263960.15
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10	D 1	* 0.00-1.20 m Hand excavated inspection pit.			Orangish brown silty, locally very silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)				
0.80	D 2					(2.35)			
1.20-1.65	U 3	40 blows 390 mm rec	1.20	dry					
1.65-1.85	D 4								
1.90-2.35	U 5	20 blows 360 mm rec	1.90	0.50					
2.35-3.55	D 6				Orangish brown silty slightly gravelly SAND with low cobble content and occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine to coarse of flint. Cobbles are subangular of flint. (MADE GROUND)	2.35 +0.19			
2.60-2.80	U NR	100 blows No recovery	2.60	1.50			(0.65)		
2.60-3.10	B 7								
3.10-3.55	U 8	25 blows 250 mm rec	3.00	2.10			3.00 -0.46		
3.55-3.75	D 9				Orangish brown silty, locally very silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)	(1.25)			
3.80-4.25	U 10	70 blows 150 mm rec	3.80	0.00					
3.80-4.50	B 12								
4.25-4.45	D 11				Orangish brown silty, locally very silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)	4.25 -1.71			
4.50-4.95	U NR	75 blows No recovery	4.50	0.00					
4.50-5.20	B 13								
5.20-5.90	B 14		5.20	0.00	Orangish brown silty, locally very silty, gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine to coarse of flint. (MADE GROUND)	(1.65)			
5.25-5.65	U NR	35 blows No recovery							
5.90-6.35	U 15	6 blows 400 mm rec	5.90	3.50		5.90 -3.36			
6.35-6.55	D 16				Firm, locally spongy, dark brown clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)				
6.60-7.05	U 17	7 blows	6.50	4.80					
7.05-7.25	D 18				Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(4.10)			
7.30-7.75	U 19	6 blows	6.70	dry					
7.75-7.95	D 20								
8.00-8.45	U 21	7 blows	6.70	dry					
8.45-8.65	D 22				Stratum continues to 45.30 m				
8.70-9.15	U 23	8 blows 400 mm rec	6.70	dry					
9.15-9.35	D 24								
9.40-9.85	U 25	8 blows	6.70	dry					
9.85-10.05	D 26								
10.10-10.55	U 27	15 blows 400 mm rec	10.10	dry		10.00 -7.46			
10.55-10.75	D 28								
10.80-11.25	U 29	20 blows 350 mm rec	10.80	0.00					
11.25-11.45	D 30		03/10/2010	0.00					
11.50-11.95	U 31	* 30 blows	11.45	0.00					
11.95-12.15	D 32		11.50	0800					
12.20-12.65	U 33	40 blows 360 mm rec	04/10/2010	3.50					
12.65-12.85	D 34		11.45	0.00					
12.90-13.35	U 35	40 blows 400 mm rec	12.90	0.00					
13.35-13.55	D 36								
13.60-14.05	U 37	40 blows 290 mm rec	13.60	0.00					
14.05-14.25	D 38								
14.30-14.75	U 39	40 blows 410 mm rec	14.30	0.00					
14.75-14.95	D 40								
15.00-15.45	U 41	45 blows 300 mm rec	15.00	0.00					
15.45-15.65	D 42								
15.70-16.15	U 43	50 blows 420 mm rec	15.70	0.00					
16.15-16.35	D 44								
16.40-16.85	U 45	50 blows	16.40	0.00					
16.85-17.05	D 46								
17.10-17.55	U 47	50 blows	17.10	0.00					
17.55-17.75	D 48								
17.80-18.25	U 49	50 blows	17.80	0.00					
18.25	D 50								
18.50-18.95	U 51	40 blows	18.50	0.00					
18.95-19.15	D 52								
19.20-19.65	U 53	35 blows 400 mm rec	19.20	0.00					
19.65-19.85	D 54								
19.90-20.35	U 55	32 blows 420 mm rec	19.90	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.30 m				

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used
1	10.00	Rose to 3.40 m after 20 minutes.	-	0.00 47.15 1.30 24.75 11.45	2 No. U100 Hammer weights used. Water added to assist boring. Water added to assist boring.	2.60 -3.00	60 mins

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_1UA Sheet 1 of 3
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Borehole Log



Drilled DC	Start 03/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m	to 9.60m	Diameter 250mm	Casing Depth 9.60m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
Logged EM/SS	End 07/10/2010		9.60m	27.60m	200mm	27.60m	
Checked MT			27.60m	47.15m	150mm	47.15m	

Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.35-20.55	D 56	40 blows No recovery	20.60	0.00	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(35.30)		
20.60-21.05	U NR							
20.60-21.30	B 57							
21.30-21.75	U 58	40 blows 350 mm rec	21.30	0.00				
21.75-21.95	D 59	45 blows 250 mm rec	22.00	0.00				
22.00-22.45	U 60							
22.45-22.65	D 61	40 blows 410 mm rec	22.70	0.00				
22.70-23.15	U 62							
23.15-23.35	D 63	42 blows No recovery	23.40	0.00				
23.40-23.85	U NR							
23.40-24.10	B 64							
24.10-24.55	U 65	40 blows 310 mm rec	24.10	0.00				
24.55-24.75	D 66	55 blows No recovery	04/10/2010	0.00				
24.80-25.50	B 67		24.10					
24.80-25.25	U NR		24.80	0.00				
25.50-25.95	U NR	50 blows No recovery	05/10/2010	0800				
25.50-26.20	B 68		24.10	0.00				
26.20-26.65	U NR	50 blows No recovery	26.20	0.00				
26.20-26.90	B 69							
26.90-27.35	U 70	50 blows 410 mm rec	26.90	0.00				
27.35-27.55	D 71	50 blows 220 mm rec	27.60	0.00				
27.60-28.05	U 72							
28.05-28.25	D 73	50 blows 280 mm rec	28.30	0.00				
28.30-28.75	U 74							
28.75-28.95	D 75	60 blows 250 mm rec	29.00	0.00				
29.00-29.45	U 76							
29.45-29.65	D 77	60 blows 260 mm rec	29.70	0.00				
29.70-30.15	U 78							
30.15-30.35	D 79	70 blows 360 mm rec	30.40	0.00				
30.40-30.85	U 80							
30.85-31.05	D 81	60 blows 400 mm rec	31.10	0.00				
31.10-31.55	U 82							
31.55-31.75	D 83	60 blows No recovery	31.80	0.00				
31.80-32.25	U NR							
31.80-32.50	B 84							
32.50-32.95	U 85	75 blows 230 mm rec	32.50	0.00				
32.95-33.15	D 86	55 blows No recovery	33.20	0.00				
33.20-33.65	U NR							
33.20-33.90	B 87							
33.90-34.35	U NR	50 blows No recovery	33.90	0.00				
33.90-34.60	B 88							
34.60-35.05	U 89	65 blows 260 mm rec	34.60	0.00				
35.05-35.25	D 90	60 blows 240 mm rec	35.30	0.00				
35.30-35.75	U 91							
35.75-35.95	D 92	100 blows No recovery	05/10/2010	-0.20				
36.00-36.70	B 93		35.30					
36.00-36.45	U NR		36.00	0.00				
36.70-37.15	U 94	70 blows 350 mm rec	06/10/2010	0800				
37.15-37.35	D 95	65 blows 360 mm rec	35.30	0.00				
37.40-37.85	U 96		36.70	0.00				
37.85-38.05	D 97	70 blows 270 mm rec	38.10	0.00				
38.10-38.55	U 98							
38.55-38.75	D 99	80 blows 400 mm rec	38.80	0.00				
38.80-39.25	U 100							
39.25-39.45	D 101	75 blows No recovery	39.50	0.00				
39.50-39.95	U NR							
39.50-40.20	B 102							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.30 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 9.60m 27.60m	to 9.60m 27.60m 47.15m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 27.60m 47.15m	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
40.20-40.65	U 103	80 blows 270 mm rec	40.20	0.00	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
40.65-40.85	D 104							
40.90-41.35	U NR	80 blows No recovery	40.90	0.00				
40.90-41.60	B 105							
41.60-42.05	U 106	75 blows 310 mm rec	41.60	0.00				
42.05-42.25	D 107							
42.30-42.75	U 108	65 blows 250 mm rec	42.30	0.00				
42.75-42.95	D 109							
43.00-43.45	U NR	75 blows No recovery	43.00	0.00				
43.00-43.70	B 110							
43.70-44.15	U 111	75 blows 400 mm rec	43.70	0.00				
44.15-44.35	D 112							
44.40-44.85	U NR	70 blows No recovery	44.40	0.00				
44.40-45.10	B 113							
45.10-45.55	U 114	60 blows 350 mm rec	45.10	0.00	Very stiff brown slightly sandy CLAY. (LONDON CLAY A3ii)	45.30	-42.76	
45.55-45.75	D 115							
45.80-46.25	U 116	50 blows	45.50	6.30				
46.25-46.45	D 117							
46.50-46.95	U 118	50 blows 290 mm rec	45.50	8.90				
46.95-47.15	D 119		06/10/2010 45.50	9.20		47.15	-44.61	
					EXPLORATORY HOLE ENDS AT 47.15 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.49 (0.50)		
1.20-2.90	3 N/A N/A				Yellowish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint with occasional fine to medium gravel size shell fragments. (MADE GROUND)	0.60 +0.99 (0.60)		
2.90-4.40	0 N/A N/A	Flush: 1.20-7.40 Mud, 100 %			Grey, locally dark grey, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint, concrete, brick and stainless steel. (MADE GROUND)	1.20 +0.39 (5.85)		
4.40-5.90	13 N/A N/A				ZONE OF CORE LOSS. Foreman reports soft sand and clay. (Probably MADE GROUND)			
5.90-7.40	23 N/A N/A				5.70-5.90 m yellowish brown clay with fragments of brick and cardboard recovered			
7.05-7.40	23 N/A N/A		CS 5	21/07/2010 0.00 7.40 0800	ZONE OF CORE LOSS. Foreman reports clay and peat. Stratum base depth uncertain. (Probably RECENT DEPOSITS)	7.05 -5.46		
7.40-8.90	23 N/A N/A	Flush: 7.40-8.90 Mud, 0 %		22/07/2010 0800 7.40 1.50				
8.90-9.65	27 N/A N/A				locally pseudo-fibrous PEAT with rare pockets of very soft greenish grey clay. Slight organic odour. (RECENT DEPOSITS)	(4.85)		
9.65-10.40	0 N/A N/A				8.55-8.63 m PARTIAL CORE RECOVERY.			
10.40-11.15	0 N/A N/A				Very soft greenish grey clay with occasional plant material.			
11.15-11.90	0 N/A N/A				8.63-8.90 m PARTIAL CORE RECOVERY.			
11.90-12.65	0 N/A N/A				Plastic, locally firm, dark brown and black slightly clayey amorphous, locally pseudo-fibrous PEAT with rare pockets of very soft greenish grey clay. Slight organic odour. (RECENT DEPOSITS)			
12.65-13.40	0 N/A N/A				9.45-9.65 m concrete and brick, probable cavings			
13.40-14.15	0 N/A N/A				14.60-14.90 m PARTIAL CORE RECOVERY.			
14.15-14.90	40 N/A N/A				Grey, locally brownish grey, fine to coarse SAND with frequent fine gravel size shell fragments and occasional greenish grey clayey sand bands (CRAG DEPOSITS)			
14.60-14.90	91 N/A N/A		CS 6					
14.90-15.65	0 N/A N/A							
15.65-16.40	0 N/A N/A							
16.40-17.15	49 N/A N/A							
16.78-17.15	0 N/A N/A		CS 7					
17.15-17.90	0 N/A N/A							
17.90-19.40	17 N/A N/A							
19.40-20.15	0 N/A N/A			22/07/2010 0.30 19.40 0800 23/07/2010 0.50 19.40				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 30.20 m		

Groundwater Entries No. Struck (m) Post strike behaviour 1 1.10 -		Depth sealed (m) -	Depth Related Remarks * From to (m) 1.20 46.40 Geobor S extended pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled JS	Start 21/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m	to 9.00m	Diameter 250mm	Casing Depth 9.00m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
Logged ST/GA	End 22/08/2010		9.00m	46.40m	200mm	46.40m	
Checked MT			46.40m	122.90m	146mm	122.90m	

Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.15-20.90	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. Stratum boundary uncertain. (Probably CRAG DEPOSITS)	(18.30)		
20.90-21.65	33 N/A N/A		CS 8						
21.40-21.65									
21.65-22.40	0 N/A N/A								
22.40-23.15	0 N/A N/A								
23.15-23.90	0 N/A N/A								
24.10-24.50	100 N/A N/A		CS 9						
23.90-24.65									
24.65-25.40	93 N/A N/A			23/07/2010 0.45 25.40 26/07/2010 0800 25.40 0.00					
25.40-26.90	67 N/A N/A		CS 13						
26.25-26.40			CS 10						
26.50-26.90									
26.90-28.40	11 N/A N/A								
28.40-29.15	20 N/A N/A								
29.15-29.90	0 N/A N/A								
30.20-30.65	60 N/A N/A		CS 11						
29.90-30.65									
30.65-31.40	67 N/A N/A								
31.40-32.15	87 N/A N/A								
32.15-32.90	37 N/A N/A								
32.90-33.65	20 N/A N/A								
33.65-34.40	13 N/A N/A								
34.40-35.15	0 N/A N/A								
35.45-35.90	60 N/A N/A		CS 12						
35.15-35.90									
35.90-36.65	45 N/A N/A								
36.65-37.40	100 N/A N/A								
37.40-38.15	84 N/A N/A								
38.15-38.90	80 N/A N/A			26/07/2010 1.25 38.90					
39.25-39.65	100 N/A N/A		CS 14	27/07/2010 0800 38.90 2.50					
38.90-39.65									
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.40 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 9.00m 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
39.65-40.40	0 N/A		Flush: 8.90-71.90 Mud, 100 %			Grey fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional greenish grey clayey bands. (CRAG DEPOSITS)	:: 32.90m - NO RECOVERY			
40.40-41.15	N/A									
41.15-41.90	48 N/A		CS 15				41.15-41.54 m			
41.90-42.65	N/A									
42.65-43.40	32 N/A						41.90-42.41 m			
43.40-43.80	N/A									
43.40-44.15	27 N/A					Very stiff locally stiff dark brownish greenish grey and grey slightly clayey fine to coarse sand blueish grey claystone and occasional silt laminae. (London CLAY, A3ii)	42.65-43.20 m	43.40 -41.81		
44.15-44.90	N/A									
44.90-46.40	100 N/A						43.20-43.40 m			
46.40-47.90	N/A									
47.90-48.65	10 N/A						44.22 m dark grey silt laminae	(8.50)		
48.65-49.40	N/A									
49.40-50.15	20 N/A						44.25-45.60 m occasional thin dark blueish grey claystone horizons			
49.40-50.15	N/A									
49.75-50.15	53 N/A		CS 16	27/07/2010	1.40		45.65-46.40 m few dark grey silt laminations			
50.20-50.30	N/A									
50.15-50.90	100 N/A		CS 19	30/07/2010	0800		46.40-47.75 m NO RECOVERY (claystones)			
50.90-52.40	N/A									
51.80-52.20	0 N/A						47.75-47.90 m medium strong dark blueish grey mudstone/claystone			
52.40-53.90	N/A									
52.40-53.90	20 N/A						47.90-49.25 m NO RECOVERY (claystones)			
53.90-54.30	N/A									
53.90-54.30	53 N/A		CS 16	49.25-49.40 m NI of very weak dark blueish grey claystone (<30mm)			49.40-49.75 m NO RECOVERY (claystones)			
54.30-55.40	N/A									
54.80-55.20	100 N/A		CS 18	30/07/2010	2.80		50.25-50.33 m medium strong dark blueish grey claystone			
54.30-55.40	N/A									
55.40-56.90	100 N/A						50.47 m dark grey silty lamina	51.90 -50.31		
56.90-58.40	N/A									
56.90-58.40	97 N/A						50.60-50.62 m dark grey silty sand	(4.05)		
58.40-58.90	N/A									
58.40-58.90	100 N/A						50.65-50.90 m planar, smooth, clean shear surface			
58.90-59.90	N/A									
58.90-59.90	100 N/A		CS 18	51.59-51.62 m extremely weak dark blueish grey claystone			52.34 m lignite nodule (11x8x5mm in size)	55.95 -54.36		
	N/A									
55.40-56.90	100 N/A						52.35 m dark grey silt lamination (less than 3mm in thickness)	(0.95)		
56.90-58.40	N/A									
56.90-58.40	63 N/A						52.40-52.45 m NO RECOVERY	56.90 -55.31		
58.40-58.90	N/A									
58.40-58.90	100 N/A						52.71 m lignite nodule (9x6x4mm in size)			
58.90-59.90	N/A									
58.90-59.90	100 N/A		CS 20	02/08/2010	4.10		52.77 m extremely weak dark grey claystone becoming silty clay	(4.60)		
	N/A									
58.90-59.90	100 N/A						53.80 m silt lamina			
	N/A									
							53.90 m lignite			
Stratum continues to 61.50 m										

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m) 46.40 122.90 Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
59.90-61.40	63 N/A N/A					Stiff, locally firm, greyish brown mottled grey thinly laminated silty CLAY interlaminated with occasional clay bands. Occasional cross lamination structures visible. (LAMBETH GROUP - CLAY)	53.90m - nodule (20x8x5mm in size)		
61.75-62.15 61.40-62.15	100 N/A N/A		CS 21			Very stiff, locally stiff, thinly laminated brownish grey occasionally mottled blueish grey extremely closely fissured CLAY. (LAMBETH GROUP - CLAY)	61.86 m light grey silt lamina (less than 3mm in thickness)	61.50 -59.91	
62.15-62.90	100 N/A N/A						62.70-62.90 m few nodules of lignite	62.90 -61.31	
62.90-64.40	60 N/A N/A					Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)	62.90-63.50 m NO RECOVERY 63.77 m lignite horizon (less than 3mm in thickness)	63.00	
65.10-65.50 64.40-65.90	73 N/A N/A		CS 22			ZONE OF CORE LOSS. Foreman reports soft grey sand. (Probably LAMBETH GROUP - SAND)	64.40-64.80 m NO RECOVERY	65.90 -64.31	
65.90-66.65	0 N/A N/A						65.60 m lignite horizon (less than 2mm in thickness)		
66.65-67.40	32 N/A N/A					Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)	67.16-67.40 m PARTIAL CORE RECOVERY.	69.15 -67.56	
67.40-68.15	17 N/A N/A						Light grey thinly laminated slightly silty fine to medium sand		
68.15-68.90	0 N/A N/A					Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)	68.02-68.15 m PARTIAL CORE RECOVERY.		
68.90-69.65	67 N/A N/A						Light grey thinly laminated slightly silty fine to medium sand		
69.65-70.40	100 N/A N/A			02/08/2010 1.90 70.40 0800 03/08/2010 1.90 70.40		Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY)	69.50 m few pockets of greenish grey silty clay (less than 12mm in size)	72.15 -70.56	
70.90-71.30 70.40-71.90	100 N/A N/A		CS 23				70.40 m few nodules of lignite (less than 2mm in size)		
71.90-73.40	100 N/A N/A		Flush: 71.90-73.40 Mud, 50 %			Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY)	72.65-72.85 m pockets of white fine sand (less than 30mm in size)		
74.00-74.40 73.40-74.90	100 N/A N/A		Flush: 73.40-74.90 Mud, 70 %				73.45 m white fine sand pocket (less than 35mm in size)		
74.90-76.40	53 N/A N/A		Flush: 74.90-76.40 Mud, 80 %			Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY)	73.90-74.00 m 1 No. 40-50 deg planar, smooth, clean fracture	(8.85)	
77.10-77.50 76.40-77.90	100 N/A N/A						74.90-76.40 m becoming silty		
77.90-79.40	100 N/A N/A		Flush: 76.40-80.90 Mud, 90 %			Stratum continues to 81.00 m	76.60-76.85 m planar, smooth, clean vertical fracture		
							76.85-77.10 m becoming silty		
							78.05-78.25 m planar, smooth, clean, vertical fracture		
							78.35-78.60 m becoming silty		
							79.40-79.82 m NO RECOVERY		
							79.82-80.75 m		

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m 9.00m 46.40m	to 9.00m 250mm 200mm 146mm	Diameter 9.00m 46.40m 122.90m	Casing Depth 9.00m 46.40m 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)		Depth, Level (Thickness)	Legend	Backfill/ Instruments
79.40-80.90	73		CS 26	03/08/2010	3.50	Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY)	becoming reddish brown with occasional silt lamina (less than 2mm in thickness)	81.00	-79.41	
80.20-80.60	N/A									
80.90-82.40	100 83 83		CS 27	04/08/2010	0800 3.10	Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)	81.90 m fossil 38mm in size 82.40-82.65 m AZCL			
82.40-83.90	83	70								
83.20-83.60	77 73	240 340								
83.90-85.40	100 79 52		NI 70 90	Flush: 80.90-93.65 Mud, 80 %			85.30-85.40 m Drilling induced non-intact 85.40 m extremely weak, low density 85.40-86.70 m AZCL 86.70-86.81 m drilling induced non-intact			
85.40-86.90	13 6 0									
86.90-87.65	0 N/A N/A		CS 28				88.40-89.40 m AZCL			
87.65-88.40	47 N/A N/A									
88.05-88.40	33 10 0		CS 29				89.40-89.59 m coarse gravel sized partially rinded to rinded flint with NI chalk matrix 89.58-90.65 m AZCL 90.54-90.58 m drilling induced non-intact	(20.40)		
88.40-89.90	91 81 81									
89.90-90.65	0 N/A N/A		CS 30				92.15-92.60 m AZCL 92.60 m partially rinded flint 92.66-92.74 m drilling induced non-intact 92.75 m partially rinded flint cobble 93.34-93.65 m AZCL			
90.65-91.40	40 5 0									
91.40-92.15	59 17 17		CS 31				95.90-96.01 m core overdrill 96.01-96.24 m drilling induced non-intact			
92.15-92.90	100 93 75	50 200 360								
92.90-93.65	100 41 0									
93.35-93.65	23 0 0									
93.65-94.40	0 N/A N/A									
94.80-95.20	0 N/A N/A									
94.40-95.90	27 N/A N/A									
95.90-97.40	84 10 0									
97.40-98.15	0 N/A N/A									
98.15-98.90	0 N/A N/A									
98.90-100.40	0 N/A N/A									
99.90-100.30	0 N/A N/A									
Stratum continues to 101.40 m										

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m 9.00m 46.40m	Diameter 250mm 200mm 146mm	Casing Depth 9.00m 46.40m 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
100.40-101.90	29 N/A N/A			04/08/2010 100.40 05/08/2010 100.40	2.90 0800 2.80	Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)	98.83m - 98.83-98.90 m partially rinded flint cobble 100.40-100.60 m AZCL 100.60-101.90 m over cored. Drilling induced non-intact sections 101.90-101.95 m AZCL	01.40 -99.81	
101.90-103.40	96 95 85					Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)			
103.54-103.95			CS 32						
103.40-104.90	95 60 40								
104.90-106.40	0 N/A N/A								
106.40-107.15	0 N/A N/A								
107.50-107.90	100 13 13		CS 33				107.15-107.20 m drilling induced non-intact 107.20 m partially rinded flint cobble 107.35 m partially rinded flint cobble		
107.90-109.40	100 99 89								
109.40-110.90	93 63 32		CS 34				109.40-109.51 m AZCL		
110.50-110.90									
110.90-112.40	13 8 0	240 930 1450					110.90-112.20 m AZCL	(21.50)	
112.40-113.50	0 N/A N/A								
113.50-113.90	73 38						113.50-113.53 m AZCL 113.90-114.25 m AZCL		
114.25-114.65	53 N/A N/A		CS 35						
113.90-114.65									
114.65-115.40	0 N/A N/A								
115.40-116.15	0 N/A N/A								
116.15-116.90	25 13 13			05/08/2010 116.90	2.40 0800		116.15-116.71 m AZCL		
116.90-117.65	77 77 77			06/08/2010 116.90	2.40				
117.97-118.40	57 N/A N/A		CS 36						
117.65-118.40									
118.40-119.90	50 49 41								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 122.90 m			149.90-120.55 m

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck (m) Post strike behaviour	Depth sealed (m) From to (m)	Depths (m) Time Tools used

Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
120.48-120.90 119.90-121.40	57 28 28		CS 37			Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)			
121.40-122.90	100 91 90			06/08/2010 122.90	2.40				
						EXPLORATORY HOLE ENDS AT 122.90 m	22.90 -121.31		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged PM Checked MT		Start 13/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 4.00m Diameter 250mm Casing Depth 3.00m		Ground Level +1.62 mOD Coordinates E 647219.89 National Grid N 264196.13 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.10 +1.52								
0.10-0.40	B 2				Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular fine to medium of chalk and flint. (MADE GROUND)	0.40 m cobble size pockets of coarse grey sand				(2.50)				
0.40	D 3													
0.40-1.00	B 4													
1.00	W 11													
1.20-1.65	U 5	* 23 blows	0.80											
1.65-1.85	D 6	50 blows 370 mm rec	1.90	1.60	Greyish brown slightly silty gravelly SAND. Gravel is angular to subangular fine to coarse of concrete with rare wood and metal. (MADE GROUND)	2.60 -0.98								
1.90-2.53	U 7													
2.35	D 8	100 blows No recovery	2.60	1.50	EXPLORATORY HOLE ENDS AT 4.00 m	4.00 -2.38								
2.60-2.70	U NR													
2.60-3.00	B 9													
3.00-3.20	U NR													
3.00-3.60	B 10	100 blows No recovery	3.00	2.00										
			13/10/2010	2.00										
			3.00											
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *		Chiselling Depths (m)	Time	Tools used			
					No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Remarks	3.60 -4.00	60 mins	
					1	1.00	Rose to 0.80 m after 20 minutes.	-	1.20	3.20	1 No U100 Hammer weight used. Borehole terminated due to concrete obstruction.			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited			Borehole CBH 2009_2U Sheet 1 of 1			Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:28:39					

Borehole Log



Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.10 +1.48 (0.50)			
0.60	D 2				Orangish brown slightly silty SAND. (MADE GROUND)	0.60 +0.98			
1.30	D 3				Greyish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint, chalk and sandstone. (MADE GROUND)	(4.40)			
2.30	D 4								
3.50	D 5								
4.50	D 6								
5.00-5.45	U 8	26 blows 410 mm rec	13/10/2010	3.50					
5.00	D 7		5.00	0800					
5.45-5.65	D 9		14/10/2010	2.60					
5.70-6.15	U 10	23 blows 300 mm rec	5.00	dry	Spongy black slightly sandy clayey pseudo-fibrous PEAT with occasional horizons of soft grey slightly sandy clay. (RECENT DEPOSITS)	5.00 -3.42			
6.15-6.35	D 11								
6.40-6.85	U 12	30 blows	6.50	dry					
6.85-7.05	D 13								
7.10-7.55	U 14	30 blows	6.30	dry					
7.55-7.75	D 15								
7.80-8.25	U 16	35 blows 420 mm rec	6.30	dry					
8.20	W 18								
8.25-8.45	D 17								
8.70-9.15	U 19	60 blows	8.70	0.00	Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	8.20 -6.62			
9.15-9.35	D 20								
9.40-9.85	U 21	55 blows	9.40	0.00					
9.85-10.05	D 22								
10.10-10.55	U 23	60 blows	10.00	0.00					
10.55-10.75	D 24								
10.80-11.25	U 25	60 blows	10.80	0.00					
11.25-11.45	D 26								
11.50-11.95	U 27	70 blows 300 mm rec	11.50	0.00					
11.95-12.15	D 28								
12.20-12.65	U 29	50 blows 380 mm rec	12.20	0.00					
12.65-12.85	D 30								
12.90-13.35	U 31	70 blows	12.90	0.00					
13.35-13.55	D 32								
13.60-14.05	U 33	70 blows 370 mm rec	13.60	0.00					
14.05-14.25	D 34								
14.30-14.75	U 35	65 blows	14.30	0.00					
14.75-14.95	D 36								
15.00-15.45	U 37	75 blows 300 mm rec	15.00	0.00					
15.45-15.65	D 38								
15.70-16.15	U 39	50 blows 390 mm rec	15.70	0.00					
16.15-16.35	D 40								
16.40-16.85	U 41	50 blows 400 mm rec	16.40	0.00					
16.85-17.05	D 42								
17.10-17.55	U 43	70 blows 400 mm rec	17.10	0.00					
17.55-17.75	D 44								
17.80-18.25	U 45	70 blows 380 mm rec	17.80	0.00					
18.25-18.45	D 46		14/10/2010	0.00					
18.50-18.95	U 47	70 blows 400 mm rec	17.80	0.00					
18.95-19.15	D 48		18.50	0800					
19.20-19.65	U 49	50 blows	15/10/2010	0.90					
19.65-19.85	D 50		17.80	0.00					
19.90-20.35	U 51	60 blows 420 mm rec	19.90	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m				

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Depths (m)	Time	Tools used
1	8.20	Rose to 4.50 m after 20 minutes.	-	5.00	18.50	18.50		
				18.50	44.65			

Borehole Log



Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.00-20.55	D 52				Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(35.10)		
20.60-21.05	U 53	60 blows	20.60	0.00				
21.05-21.25	D 54							
21.30-22.00	U NR B 55	60 blows No recovery	21.30	0.00				
22.00-22.45	U NR B 56	70 blows No recovery	22.00	0.00				
22.70-23.15	U NR B 57	75 blows No recovery	22.70	0.00				
23.40-23.85	U 58	80 blows 390 mm rec	23.40	0.00				
23.85-24.05	B 59							
24.10-24.55	U 60	85 blows 350 mm rec	24.10	0.00				
24.55-24.75	D 61							
24.80-25.25	U NR B 62	75 blows No recovery	24.80	0.00				
25.50-25.95	U 63	200 blows 300 mm rec	25.50	0.00				
25.95-26.15	D 64							
26.20-26.65	U NR B 65	90 blows No recovery	26.20	0.00				
26.90-27.35	U NR B 66	95 blows No recovery	26.90	0.00				
27.60-28.05	U 67	80 blows 250 mm rec	27.60	0.00				
28.05-28.25	B 68							
28.30-28.75	U 69	90 blows 350 mm rec	28.30	0.00				
28.75-28.95	D 70							
29.00-29.45	U 71	100 blows 400 mm rec	29.00	0.00				
29.45-29.65	D 72							
29.70-30.15	U 73	120 blows 360 mm rec	29.70	0.00				
30.15-30.35	D 74							
30.40-30.85	U NR B 75	100 blows No recovery	30.40	0.00				
31.10-31.55	U NR B 76	130 blows No recovery	31.10	0.00				
31.80-32.25	U 77	120 blows 300 mm rec	31.80	0.00				
32.25-35.45	D 78							
32.50-32.95	U NR B 79	130 blows No recovery	32.50	0.00				
33.20-33.65	U 80	130 blows 320 mm rec	33.20	0.00				
33.65-33.85	D 81							
33.90-34.35	U NR B 82	130 blows No recovery	33.90	0.00				
34.60-35.05	U 83	130 blows 300 mm rec	34.60	0.00				
35.05-35.25	D 84							
35.30-35.75	U 85	90 blows 400 mm rec	35.30	0.00				
35.75-35.95	D 86							
36.00-36.45	U NR	90 blows No recovery	36.00	0.00				
36.70-37.15	U 88	100 blows 300 mm rec	36.70	0.00				
37.15-37.35	B 87 D 89							
37.40-37.85	U 90	100 blows 300 mm rec	37.40	0.00				
37.85-38.05	D 91							
38.10-38.55	U 92	110 blows 350 mm rec	38.10	0.00				
38.55-38.75	D 93							
38.80-39.25	U 94	120 blows 320 mm rec	38.80	0.00				
39.25-39.45	D 95							
39.50-39.95	U 96	110 blows 350 mm rec	39.50	0.00				
39.95-40.15	D 97							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling			
No.	Struck (m)	Post strike behaviour			From	to (m)			Depths (m)	Time	Tools used
					27.60	35.25	Water added.				

Borehole Log



Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 250mm Casing Depth 10.00m	Depth from 10.00m to 25.00m Diameter 200mm Casing Depth 25.00m	Depth from 25.00m to 44.65m Diameter 150mm Casing Depth 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
40.20-40.65	U 98	100 blows 380 mm rec	40.20	0.00	Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
40.65-40.85	D 99									
40.90-41.35	U NR	100 blows No recovery	40.90	0.00						
40.90-41.60	B 100									
41.60-42.05	U 101	110 blows 320 mm rec	41.60	0.00						
42.05-42.25	D 102									
42.30-42.75	U NR	115 blows No recovery	42.30	0.00						
42.30-43.00	B 103									
43.00-43.30	U NR	200 blows No recovery	43.00	0.00			43.30	-41.72		
43.00-43.30	B 104									
43.30-43.75	U 106	70 blows	43.30	0.00	Stiff to very stiff dark brown sandy CLAY. (LONDON CLAY - A3ii)					
43.30	D 105									
43.75-43.95	D 107									
44.00-44.45	U 108	70 blows 250 mm rec	43.60	2.30						
44.45-44.65	D 109		17/10/2010	2.50						
			43.60		EXPLORATORY HOLE ENDS AT 44.65 m	44.65	-43.07			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m 18.00m 54.00m 140mm 54.00m 86mm	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 2644409.60 Chainage
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Samples and Tests					Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.00-2.00	75 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)	0.00-0.50 m NO RECOVERY (2.00)		
2.00-3.00	52 N/A N/A			12/11/2010 1800		SAND. (Foreman's description) (MADE GROUND)	2.00-2.48 m NO RECOVERY (0.48)		
3.00-4.50	100 N/A N/A			13/11/2010 0800	3.00	Yellowish brown slightly silty gravelly SAND with occasional fine to coarse gravel size shell fragments. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	3.40-3.51 m dark brown fine to coarse sand 3.94-4.03 m dark brown fine to coarse sand (0.92)		
4.50-6.00	52 N/A N/A					Brown silty slightly gravelly SAND with rare fine to coarse gravel size shell fragments. Gravel is subrounded of flint. (MADE GROUND)	5.28-6.00 m NO RECOVERY (0.72)		
6.00-7.50	100 N/A N/A					Orangish brown silty gravelly, locally very gravelly, SAND with rare fine to coarse gravel size shell fragments. Gravel is subangular to rounded fine to medium of flint. (MADE GROUND)	7.27-7.50 m NO RECOVERY (0.80)		
7.50-9.00	47 N/A N/A					Reddish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	9.00-9.55 m NO RECOVERY (0.55)		
9.00-10.50	63 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	10.04-10.06 m light grey clay (1.10)		
10.50-12.00	100 N/A N/A					Yellowish brown gravelly SAND with rare fine to coarse gravel size shell fragments. Gravel is subangular fine to medium of flint. (MADE GROUND)	11.07-11.22 m occasional wood fragments 11.43-11.60 m (1.05)		
12.00-13.50	97 N/A N/A					Orangish brown slightly silty gravelly SAND with rare wood fragments up to 20mm in size. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	12.00-12.05 m dark grey brown NO RECOVERY (0.70)		
13.50-15.00	30 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	13.50-13.84 m rare shell fragments 13.84-13.95 m grey siltstone cobble 13.95-15.00 m NO RECOVERY (1.05)		
15.00-16.50	100 N/A N/A					Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	15.74-15.90 m brown fine and medium sand (0.68)		
16.50-18.00	100 N/A N/A					Orangish brown slightly silty gravelly SAND with frequent fine to coarse gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	16.33-17.30 m NO RECOVERY (0.97)		
18.00-19.50	67 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	18.00-18.50 m NO RECOVERY (0.50)		
18.00-19.50						Orangish brown slightly silty slightly gravelly SAND with frequent fine to coarse gravel size shell fragments. Gravel is subangular to subrounded fine	18.50-19.50 m NO RECOVERY (1.00)		
19.50-20.30						Stratum continues to 20.30 m	(0.80)		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 3.00 22.50 Water added to assist boring.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 5.00m Diameter 228mm Casing Depth 5.00m	Ground Level Coordinates +11.84 mOD E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
19.50-21.00	100 N/A N/A					9.55m - 10.65m : and medium of flint. (Possible MADE GROUND)	20.30 -8.46 (0.70)			
21.00-22.50	73 N/A N/A			13/11/2010 22.50	1800 0800	10.65m - 11.70m : Brown slightly silty SAND with rare fine to coarse gravel size shell fragments and rare rootlets. (Possible RECENT DEPOSITS)	20.74-20.77 m 21.00 -9.16 (0.40) 21.40 -9.56 21.70 -9.86			
22.50-24.00	90 N/A N/A			14/11/2010 22.50		11.70m - 12.40m : Brown clayey gravelly SAND with frequent fragments of wood. Gravel is subangular to subrounded fine to coarse of flint. (Possible RECENT DEPOSITS)	(1.40)			
24.00-25.50	100 N/A N/A			14/11/2010 24.00	1800 0800	12.40m - 13.95m : Grey silty SAND with frequent fine to coarse gravel size shell fragments. (Possible RECENT DEPOSITS)	22.50-22.65 m NO RECOVERY			
25.50-27.00	100 N/A N/A			14/11/2010 24.00	1800 0800	13.95m - 15.00m : SAND and COBBLES. (Foreman's description) (Possible RECENT DEPOSITS)	23.10 -11.26 (1.00)			
27.00-28.50	100 N/A N/A			15/11/2010 27.00	1800 0800	15.00m - 15.65m : Greyish brown silty SAND with frequent fine to coarse gravel size shell fragments. (Possible RECENT DEPOSITS)	24.10 -12.26 (1.25)			
28.50-30.00	23 N/A N/A			15/11/2010 27.00	1800 0800	15.65m - 16.33m : Firm dark brown and black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	25.35 -13.51 (1.40)			
30.00-31.50	0 N/A N/A			16/11/2010 27.00		16.33m - 17.30m : Soft grey CLAY. (RECENT DEPOSITS)	26.15-26.40 m dark orange brown 26.40-26.50 m occasional fine to coarse gravel size shell fragments	26.75 -14.91 (0.55)		
31.50-33.00	100 N/A N/A					17.30m - 18.00m : Firm dark brown and black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	27.30 -15.46 (1.20)			
33.00-34.50	100 N/A N/A					18.00m - 18.50m : SAND. (Foreman's description) (RECENT DEPOSITS)	28.50 -16.66 (1.15)			
34.50-36.00	67 N/A N/A					18.50m - 19.50m : Plastic dark brown and black amorphous PEAT. (RECENT DEPOSITS)	29.65 -17.81 (0.35)			
36.00-37.50	100 N/A N/A					19.50m - 20.30m : Blue grey slightly silty SAND. (Possible RECENT DEPOSITS)	30.00 -18.16 (1.50)			
37.50-39.00	100 N/A N/A			16/11/2010 37.50	1800 0800	Brown slightly silty SAND with occasional fine to coarse gravel size shell fragments. (Possible CRAG DEPOSITS)	31.50 -19.66 (1.50)			
39.00-40.50	100 N/A N/A			17/11/2010 37.50		SAND. (Foreman's description) (Possible CRAG DEPOSITS)	33.00 -21.16 (1.50)			
						Brown slightly silty SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	34.50 -22.66 (0.50)			
						Orangish brown SAND. (CRAG DEPOSITS)	35.00 -23.16 (5.20)			
						Orangish brown SAND with occasional fine to coarse gravel size shell fragments and occasional pockets of dark orangish brown laminated clay. (CRAG DEPOSITS)				
						Brown becoming greyish brown SAND with laminated claystone				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 54.00m Diameter 228mm Casing Depth 5.00m	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 2644409.60 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
40.50-42.00	87 N/A N/A					horizon 24.10m - 25.35m : rare fine to medium gravel size shell fragments. (CRAG DEPOSITS) 40.50-40.70 m NO RECOVERY 25.35m - 26.75m : Greyish brown SAND. (CRAG DEPOSITS) 41.60-42.00 m slightly clayey 26.75m - 27.30m : Brown SAND with rare fine to coarse gravel size shell fragments. (CRAG DEPOSITS) 27.30m - 28.50m : Greyish brown SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS) 28.50m - 29.65m : SAND with shells. (Foreman's description) (CRAG DEPOSITS) 44.60-45.00 m slightly silty 29.65m - 30.00m : Brown SAND. (CRAG DEPOSITS) 45.00-46.50 m NO RECOVERY 30.00m - 31.50m : SAND with shells. (Foreman's description) (CRAG DEPOSITS) 31.50m - 33.00m : Grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS) 33.00m - 34.50m : Grey SAND with rare fine to coarse gravel size shell fragments. (CRAG DEPOSITS) 34.50m - 35.00m : SAND with shells. (Foreman's description) (CRAG DEPOSITS) 49.07-49.09 m grey fine and medium sand 35.00m - 40.20m : Grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS) 49.50-50.10 m NO RECOVERY	40.20 -28.36			
42.00-43.50	100 N/A N/A						(4.80)			
43.50-45.00	100 N/A N/A									
45.00-46.50	0 N/A N/A						45.00 -33.16			
46.50-48.00	100 N/A N/A						46.50 -34.66			
48.00-49.50	100 N/A N/A						(3.00)			
49.50-51.00	60 N/A N/A			17/11/2010 1800			49.50 -37.66			
51.00-52.50	37 N/A N/A			18/11/2010 0800			50.10 -38.26			
52.50-54.00	100 N/A N/A			51.00			51.00 -39.16			
54.00-55.50	100 N/A N/A						51.95 -40.11			
55.50-58.50	98 N/A N/A						52.50 -40.66			
				18/11/2010 1800			55.15 -43.31			
				54.00			55.50 -43.66			
							(3.00)			
							58.50 -46.66			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 5.00m Diameter 228mm Casing Depth 5.00m 5.00m 18.00m 194mm 18.00m 18.00m 54.00m 140mm 54.00m 54.00m 58.50m 86mm	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description					
						55.15m - 55.50m : (CRAG DEPOSITS) 55.50m - 58.50m : Stiff grey brown slightly silty CLAY. (LONDON CLAY A3ii) EXPLORATORY HOLE ENDS AT 58.50 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log

Drilled MN Logged ST/GA Checked MT		Start 07/07/2010 End 14/07/2010		Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).		Depth from 0.00m to 17.50m		Diameter 194mm to 146mm		Casing Depth 17.50m to 55.15m		Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage	
Samples and Tests				Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/Instruments					
0.20-0.50 0.20-0.50 0.50-1.00 0.50-1.00	D 1 B 2 D 3 B 4	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.10 +1.69 (2.10)							
1.20-2.20 1.81-2.20	39 N/A N/A	CS 5	07/07/2010 1.20	dry 0800	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	1.20-1.81 m no recovery							
2.20-2.60	0		08/07/2010 1.20	dry									
2.60-3.60	N/A 0	Flush: 1.20-7.00 Water/mud, 100 %			ZONE OF CORE LOSS. Foreman reports soft sands. (MADE GROUND/RECENT DEPOSITS)								
3.60-4.00	0												
4.00-5.00	N/A 0												
5.00-6.50	0 N/A N/A												
6.50-7.00	100 N/A N/A	Flush: 7.00-7.50 Water/mud, 50 %	08/07/2010 7.00	0.00 0800	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	6.50 -4.71 6.75 -4.96							
7.00-8.50	43 N/A N/A		09/07/2010 7.00	0.60 0800									
8.10-8.50	0 N/A N/A	CS 6	09/07/2010 8.00	0.20 0800	Plastic dark brown clayey amorphous PEAT. (Stratum base depth uncertain). (RECENT DEPOSITS)	8.50 -6.71							
8.50-9.25	0 N/A N/A		10/07/2010 8.00	0.35 0800									
9.25-10.00	0 N/A N/A	ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)											
10.00-11.00	0 N/A N/A												
11.00-11.50	0 N/A N/A												
11.50-12.00	0 N/A N/A												
12.00-12.50	0 N/A N/A												
12.50-13.00	0 N/A N/A												
13.00-13.50	0 N/A N/A												
13.50-14.00	0 N/A N/A												
14.00-14.50	0 N/A N/A												
14.50-15.00	0 N/A N/A												
15.00-15.50	0 N/A N/A												
15.50-16.00	0 N/A N/A												
16.00-16.50	0 N/A N/A												
16.50-17.00	0 N/A N/A												
17.00-17.50	0 N/A N/A												
17.50-18.00	0 N/A N/A												
18.00-18.50	0 N/A N/A												
18.50-19.00	0 N/A N/A												
19.00-19.50	0 N/A N/A												
19.50-20.00	0 N/A N/A												
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 25.15 m							
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m)		Time		Tools used		
No.	Struck (m)	Post strike behaviour			1.20 37.00 Geobor S clam bit used.								

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.

Scale 1:100



Borehole Log



Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m to 55.15m Diameter 146mm	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-21.50	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	20.00-25.15 m foreman reports sand and shells		
21.50-22.00	0 N/A N/A			10/07/2010	0.45				
22.00-22.75	0 N/A N/A			11/07/2010	0.40				
22.75-23.50	0 N/A N/A								
23.50-24.25	0 N/A N/A								
24.25-25.00	0 N/A N/A								
25.00-25.75	77 N/A N/A					Grey fine to coarse SAND with frequent shell fragments (less than 25mm in size) (CRAG DEPOSITS)	25.15 -23.36 (1.35)		
25.85-26.25	80 N/A N/A		CS 7				25.75-25.90 m NO RECOVERY		
25.75-26.50	0 N/A N/A						26.30-26.40 m silt horizon		
26.50-27.25	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)	26.50 -24.71		
27.25-28.00	0 N/A N/A								
28.00-28.75	40 N/A N/A								
28.75-29.50	0 N/A N/A						28.45-28.75 m partial core recovery, grey fine to coarse sand with frequent shell fragments (less than 25mm in size)		
29.50-30.25	0 N/A N/A								
30.25-31.00	0 N/A N/A								
31.00-31.75	0 N/A N/A		Flush: 7.50-55.15 Water/mud, 100 %						
31.75-32.50	0 N/A N/A								
32.50-33.25	67 N/A N/A						32.65-33.25 m partial core recovery, grey fine to coarse sand with frequent shell fragments (less than 25mm in size)		
33.25-34.00	0 N/A N/A							(14.60)	
34.00-34.75	0 N/A N/A								
34.75-35.50	0 N/A N/A								
35.50-36.25	0 N/A N/A								
36.25-37.00	0 N/A N/A								
37.00-37.75	0 N/A N/A			11/07/2010	0.00				
37.75-38.50	0 N/A N/A			13/07/2010	0.30				
38.50-39.25	0 N/A N/A								
39.25-40.00	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 41.10 m			

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m) 37.00 55.15 Geobor S surface set 7 step bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m 55.15m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests					Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
40.00-40.75	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
40.75-41.50	53 N/A N/A					Grey fine to coarse SAND with frequent shell fragments (less than 25mm in size). (CRAG DEPOSITS)	41.10 -39.31 (1.40)		
41.50-43.00	97 N/A N/A					Very stiff, locally stiff, grey and dark grey thinly laminated extremely closely fissured CLAY with occasional thin laminae of silt. (LONDON CLAY A3)	42.50 -40.71		
43.00-44.50	23 N/A N/A					43.00-44.15 m NO RECOVERY			
44.15-44.50			CS 8						
44.50-45.25	80 N/A N/A					44.50-44.65 m NO RECOVERY 44.85 m dark grey lamina of silt			
45.25-45.80	100 N/A N/A					45.68-46.00 m medium strong dark blueish grey claystone			
45.80-45.95			CS 10						
45.80-47.30	100 N/A N/A					46.80 m claystone horizon (less than 15mm in thickness)	(9.90)		
47.55-47.95			CS 9						
48.00-48.20	100 N/A N/A					48.00-48.20 m weak dark blueish grey claystone			
47.30-48.80			CS 11						
				13/07/2010 0.00					
				14/07/2010 0800					
				14/07/2010 0800					
48.80-50.30	80 N/A N/A					48.80-49.10 m NO RECOVERY 49.35 m occasional light grey silt lamina			
50.30-50.75			CS 12						
50.30-51.65	100 N/A N/A					50.25-50.30 m weak dark blueish grey claystone			
51.65-53.15	100 N/A N/A					51.30-51.34 m light brownish grey cross bedded laminae of silt			
53.50-53.90			CS 13						
53.15-54.65	100 N/A N/A					Very stiff grey thinly laminated extremely closely fissured CLAY with frequent thin laminae of light brownish grey silt. (LONDON CLAY A2)	52.40 -50.61 (2.75)		
54.65-55.15	100 N/A N/A					51.90-52.40 m planar smooth vertical fissure silt silt infill 52.45 m lignite nodule (50x10x10mm in size) 52.70-52.80 m planar smooth clean shear surface 54.10 m pyrite nodule (10x8x5mm in size) 55.09-55.15 m silty slightly sandy clay parting	55.15 -53.36		
				14/07/2010 04.50	0.00	EXPLORATORY HOLE ENDS AT 55.15 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m	to 25.50m 25.50m 200mm 25.50m	to 45.65m 150mm 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10-0.50	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.71			
0.50-1.00	D 2								
1.00-1.20	D 3								
1.20-1.65	U 4	13 blows		1.00	Orange brown becoming yellowish brown slightly gravelly, locally slightly silty fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of various lithologies including flint and claystone. (MADE GROUND)	(5.30)			
1.65-1.85	D 5								
1.85-2.30	U 6	11 blows	1.80	1.00					
2.30-2.50	D 7								
2.50-2.95	U 8	12 blows	2.45	0.90					
2.95-3.15	D 9								
3.15-3.60	U 10	13 blows	3.05	1.10					
3.60-3.80	D 11								
3.80-4.25	U 12	14 blows	3.75	1.10					
4.25-4.45	D 13		02/09/2010	1.00					
4.45-4.90	U 14	40 blows	4.45	0.80					
4.90	D 15		03/09/2010	1.00					
5.10-5.28	U 16	54 blows	4.45	1.00					
5.30	D 17								
5.40-5.85	U 18	44 blows	5.00	0.45	Firm dark brown pseudo-fibrous PEAT. (RECENT DEPOSITS)	5.40 -3.59			
5.90	D 19								
6.00-6.45	U 20	39 blows	5.90	0.40		(2.00)			
6.50-6.95	U 22	38 blows	5.45	0.35					
6.50	D 21								
7.00-7.45	U 24	47 blows	6.90	0.40					
7.00	D 23								
7.50	D 25								
8.00-8.45	U 26	21 blows	7.80	0.60	Greyish brown fine to coarse SAND. (CRAG DEPOSITS)	7.40 -5.59			
8.50	D 27								
8.55-9.00	U 28	65 blows	8.40	0.45					
9.10-9.55	U 30	77 blows	9.00	0.40					
9.10	D 29		03/09/2010	1.00					
9.60	D 31		9.60	0.00					
9.65-10.10	U 32	54 blows	9.50	0.00					
10.15	D 33		04/09/2010	0.80					
10.20-10.65	D 34		9.00	1.00					
10.70	D 35		10.00	0.00					
10.75-11.20	U 36	37 blows	10.50	0.00					
11.30	D 37								
11.35-11.80	U 38	38 blows	11.00	0.00					
11.85	D 39								
11.90-12.35	U 40	42 blows	11.70	0.00					
12.40	D 41								
12.45-12.90	U 42	41 blows	12.20	0.00					
12.95	D 43								
13.00-13.45	U 44	48 blows	12.70	0.00					
13.50	D 45								
13.55-14.00	U 46	46 blows	13.20	0.00					
14.05	D 47								
14.10-14.55	U NR	49 blows No recovery	13.90	0.00					
14.55-15.00	U 48	47 blows	14.25	0.00					
15.10	D 49		04/09/2010	0.40					
15.20-15.65	U 50	50 blows	15.10	0.80					
15.70	D 51		05/09/2010	1.00					
15.75-16.20	U 52	52 blows	15.10	0.00					
16.30	D 53		15.60	0.00					
16.90-17.35	U 54	51 blows	16.70	0.00					
17.40	D 55								
17.45-17.90	U 56	47 blows	17.30	0.00					
17.95	D 57								
18.00-18.45	U 58	46 blows	17.70	0.00					
18.50	D 59								
18.60-19.05	U 60	44 blows	18.40	0.00					
19.10	D 61								
19.20-19.65	U 62	46 blows	19.00	0.00					
19.70	D 63								
19.75-20.20	U 64	47 blows	19.60	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 21.50 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m) Time Tools used		
No.	Struck (m)	Post strike behaviour			From to (m)		7.50 -7.90 45 mins		
1	1.00	Remained at 1.00 m after 20 minutes.			0.00 9.50 1 No U100 Hammer weight used. 9.50 45.65 2. No U100 Hammer weights used.				

Borehole Log



Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 9.60m 25.50m	to 9.60m 25.50m 45.65m	Diameter 250mm 200mm 150mm	Casing Depth 9.60m 25.50m 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.25	D 65		20.15	0.00	Orangish brown locally slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	21.50	-19.69	
20.30-20.75	U 66	49 blows						
20.80-21.30	U NR	52 blows No recovery	20.60	0.00	Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)	21.50	-19.69	
20.80	D 67		05/09/2010	0.65				
21.35	D 68		21.30	0.80	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
21.45-21.90	U 69	53 blows	06/09/2010	0.30				
21.95	D 70		21.35	1.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
22.00-22.45	U 71	76 blows	21.30	1.00				
22.50	D 72		21.90	0.30	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
22.65-23.10	U 73	86 blows	22.50	0.00				
23.15	D 74		23.00	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
23.20-23.65	U 75	84 blows	06/09/2010	0.80				
23.70	D 76		22.20	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
23.75-24.20	U 77	130 blows	23.50	0.00				
24.25	D 78		07/09/2010	0.80	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
24.30-24.75	U 79	160 blows	22.20	0.00				
24.80	D 80		24.00	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
24.85-25.30	U 81	185 blows	24.60	0.00				
25.35	D 82		07/09/2010	1.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
25.40-25.85	U 83	130 blows	23.50	0.00				
25.90	D 84		25.20	0.80	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
25.95-26.40	U 85	136 blows	08/09/2010	1.00				
26.45	D 86		23.50	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
26.50-26.95	U 87	140 blows	25.65	0.00				
27.00	D 88		26.80	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
27.05-27.50	U 89	131 blows	26.80	0.00				
27.55	D 90		27.40	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
27.60-28.05	U 91	135 blows	27.40	0.00				
28.10	D 92		28.00	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
28.20-28.65	U 93	140 blows	28.00	0.00				
28.70	D 94		28.60	0.30	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
28.85-29.20	U 95	147 blows	28.60	0.30				
29.25	D 96				23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
29.90-30.35	U NR	140 blows No recovery	29.60	0.30				
30.50-30.95	U 97	143 blows	08/09/2010	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
31.00	D 98		30.10	0.80				
31.25-31.70	U 99	137 blows	09/09/2010	1.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
31.75	D 100		31.00	0.00				
32.00-32.35	U 101	172 blows	31.80	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
32.40	D 102							
32.55-33.00	U NR	166 blows No recovery	32.30	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
33.20-33.65	U 103	157 blows	32.30	0.00				
33.70	D 104		33.20	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
33.80-34.25	U 105	152 blows	33.60	0.00				
34.30	D 106		34.30	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
34.40-34.85	U NR	144 blows No recovery	09/09/2010	1.00				
35.00-35.45	U 107	132 blows	35.00	0.80	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
35.50	D 108		34.80	0.80				
35.75-36.20	U NR	124 blows No recovery	10/09/2010	1.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
36.45-36.90	U 109	111 blows	35.00	0.00				
37.00-37.45	U NR	84 blows No recovery	36.30	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
37.00	D 110		10/09/2010	0.35				
37.70-38.15	U 111	86 blows	37.00	0.80	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
38.20	D 112		13/09/2010	1.00				
38.40-38.85	U NR	80 blows No recovery	37.00	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
38.40-39.00	B 113		37.40	0.00				
39.00-39.45	U NR	88 blows No recovery	38.20	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
39.00-40.00	B 114		38.70	0.00				
39.55-40.00	U NR	82 blows No recovery	39.30	0.00	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint	21.50	-19.69	
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.90 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
							23.75 -24.20	60 mins	
							24.20 -24.30	30 mins	
							25.35 -25.50	30 mins	

Borehole Log



Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 25.50m Diameter 250mm Casing Depth 9.60m 25.50m 150mm 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
40.00-41.00	B 115		39.90	0.00	Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)	40.00-41.00 m locally weakly cemented			
40.20-40.65	U NR	85 blows No recovery	13/09/2010	0.00					
40.65-41.10	U NR	82 blows No recovery	40.50	0.00					
41.00-42.00	B 116		14/09/2010	0.00					
41.10-41.55	U NR	80 blows No recovery	40.40	0.00					
41.55-42.00	U NR	91 blows No recovery	40.50	0.00					
42.00-43.00	B 117		40.80	0.00					
42.05-42.50	U NR	76 blows No recovery	41.10	0.00					
42.55-43.00	U NR	80 blows No recovery	41.90	0.00					
43.05-43.50	U 118	78 blows	42.10	0.00					
43.90-44.35	U 119	80 blows	42.70	0.00	Dark grey thinly laminated silty CLAY. (LONDON CLAY A3ii)	43.90 -42.09			
44.40	D 120		43.70	0.00					
44.55-45.00	U 121	114 blows	44.10	0.00					
45.65	D-122		14/09/2010	0.45	EXPLORATORY HOLE ENDS AT 45.65 m	45.65 -43.84			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled JS	Start 02/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m	to 15.60m	Diameter 200mm	Casing Depth 15.60m	Ground Level +1.28 mOD
Logged ST/GA	End 13/07/2010		15.60m	55.20m	146mm	55.20m	Coordinates E 647191.08
Checked MT							National Grid N 264180.51

Samples and Tests				Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10-0.20 0.10-0.20 0.40-0.65 0.40-0.65	D 1 B 2 D 3 B 4	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	0.10 (0.30) 1.18 0.40 +0.88 (0.80)			
1.20-2.70	20 N/A N/A	Flush: 1.20-4.20 Mud, 100 %	02/07/2010 05/07/2010	0800	Yellowish brown, locally grey, slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine of mixed lithologies including flint. (MADE GROUND)	1.20 +0.08 (3.00)			
2.70-4.20	20 N/A N/A				2.40-2.70 m PARTIAL CORE RECOVERY. Brown slightly clayey gravelly fine to medium SAND with a low cobble content. Gravel and cobbles are angular to subrounded fine to coarse of flint, concrete and rebar. (MADE GROUND)				
3.90-4.20					CS 5				
4.20-5.70	0 N/A N/A	Flush: 4.20-5.70 Mud, 0 %			ZONE OF CORE LOSS. Foreman reports concrete and sand. (MADE GROUND)	4.20 -2.92			
5.70-7.20	9 N/A N/A	Flush: 5.70-7.20 Mud, 50 %	05/07/2010 06/07/2010	0.00 0800 5.70 1.20	ZONE OF CORE LOSS. Foreman reports very soft sand, concrete and timber. (MADE GROUND)	(3.00)			
7.20-8.70	30 N/A N/A	Flush: 7.20-8.70 Mud, 20 %			Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports peat and clay. (RECENT DEPOSITS)	7.20 -5.92			
8.40-8.70					CS 6				
8.70-10.20	27 N/A N/A	Flush: 8.70-10.20 Mud, 0 %			7.06-7.20 m 2 No cobbles of concrete encountered 8.25-8.70 m Plastic dark brown clayey amorphous, locally pseudo-fibrous peat. (RECENT DEPOSITS)	9.95 -8.67 10.30 -9.02			
10.65-11.05 10.20-11.70	100 N/A N/A				CS 7				
11.70-13.20	77 N/A N/A				9.80-10.00 m Plastic dark brown clayey amorphous, locally pseudo-fibrous peat. (RECENT DEPOSITS)	11.70 -10.42			
13.20-13.95	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	(3.75)			
13.95-14.70	0 N/A N/A				10.20-10.30 m becoming very clayey with frequent plant material 13.04-13.20 m Brown and greyish brown silty gravelly fine and medium SAND with occasional shell fragments. (Probably CRAG DEPOSITS)	15.45 -14.17			
14.70-15.45	0 N/A N/A								
15.45-16.20 15.90-16.20	100 N/A N/A		06/07/2010 16.20	2.50 0800	Brown, becoming grey (from 16.00m) fine to coarse SAND with frequent fine to coarse gravel size shell fragments and rare thin clay laminae. (Probably CRAG DEPOSITS)	(0.75) 16.20 -14.92			
16.20-17.70	0 N/A N/A		07/07/2010 16.20	2.20	ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)				
17.70-18.45	0 N/A N/A								
18.45-19.20	0 N/A N/A								
19.20-20.00	0 N/A N/A		07/07/2010						
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.85 m			

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
1	0.65	20	-	0.65	1.20			
				1.20	5.70			Inspection pit collapsed.
				5.70	20.00			Geobor S surface set 7 step bit used.
				20.00	35.70			Geobor S clam bit used.
								Geobor S surface set 7 step bit used.

Borehole Log



Drilled JS	Start 02/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m	to 15.60m	Diameter 200mm	Casing Depth 15.60m	Ground Level +1.28 mOD
Logged ST/GA	End 13/07/2010		15.60m	55.20m	146mm	55.20m	Coordinates E 647191.08
Checked MT							National Grid N 264180.51

Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-20.70	63 N/A N/A		*	20.00	0800	ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)			
20.70-21.45	0 N/A N/A			08/07/2010	2.20		20.56-20.70 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments.		
21.45-22.20	0 N/A N/A			20.00		Gravel is subangular of flint.			
22.20-22.95	23 N/A N/A					22.78-22.95 m PARTIAL CORE RECOVERY.			
22.95-23.70	0 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
23.70-24.45	0 N/A N/A								
24.45-25.20	16 N/A N/A								
25.20-26.70	20 N/A N/A					25.08-25.20 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.			
26.70-27.45	0 N/A N/A					26.40-26.70 m PARTIAL CORE RECOVERY.			
27.45-28.20	24 N/A N/A					Grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments.			
28.20-28.95	0 N/A N/A					28.02-28.20 m PARTIAL CORE RECOVERY.			
28.95-29.70	0 N/A N/A					Grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments.	(26.65)		
29.70-30.45	44 N/A N/A		CS 9			30.12-30.45 m PARTIAL CORE RECOVERY.			
30.12-30.45	0 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
30.45-31.20	0 N/A N/A					31.50-31.95 m PARTIAL CORE RECOVERY.			
31.20-31.95	60 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
31.95-32.70	0 N/A N/A		Flush: 10.20-55.20 Mud, 100 %			31.50-31.95 m PARTIAL CORE RECOVERY.			
32.70-33.45	0 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
33.81-34.20	71 N/A N/A		CS 10			33.67-34.20 m PARTIAL CORE RECOVERY.			
33.45-34.20	24 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
34.20-34.95	0 N/A N/A					34.75-34.95 m PARTIAL CORE RECOVERY.			
34.95-35.70	0 N/A N/A			08/07/2010		Grey fine to coarse SAND with frequent shell fragments.			
35.70-36.45	60 N/A N/A			35.70	0800	36.00-36.45 m PARTIAL CORE RECOVERY.			
36.45-37.20	0 N/A N/A			09/07/2010	2.20	Grey fine to coarse SAND with frequent shell fragments.			
37.20-37.95	0 N/A N/A			35.70		38.05-38.70 m PARTIAL CORE RECOVERY.			
37.95-38.70	87 N/A N/A					Grey slightly gravelly fine to coarse SAND with frequent shell fragments.			
38.70-39.45	67 N/A N/A					Grey slightly gravelly fine to coarse SAND with frequent shell fragments.			
39.45-40.20	44 N/A N/A					Gravel is			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.85 m			

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
				20.00	35.70			
				35.70	55.20			

Borehole Log



Drilled JS	Start 02/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m	to 15.60m	Diameter 200mm	Casing Depth 15.60m	Ground Level +1.28 mOD
Logged ST/GA	End 13/07/2010		15.60m	55.20m	146mm	55.20m	Coordinates E 647191.08
Checked MT							National Grid N 264180.51

Samples and Tests						Strata			Chainage		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
39.87-40.20			CS 11			ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS) 41.25-41.70 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments. Stiff, locally very stiff, fissured thinly laminated dark grey CLAY. (LONDON CLAY A3) 42.65-42.85 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments. 43.80-44.20 43.20-44.70 100 N/A N/A CS 12 44.70-46.20 100 N/A N/A 46.80-47.20 46.20-47.70 100 N/A N/A CS 13 09/07/2010 47.70 13/07/2010 0800 47.70 3.00 47.70-49.20 97 N/A N/A 49.70-50.10 49.20-50.70 100 N/A N/A CS 14 50.70-52.20 100 N/A N/A 52.80-53.20 52.20-53.70 87 N/A N/A CS 15 53.70-55.20 100 N/A N/A 13/07/2010 55.20 0.00	42.85 -41.57		SP		
40.20-40.95	0 N/A N/A										
40.95-41.70	60 N/A N/A										
41.70-42.45	0 N/A N/A										
42.45-43.20	73 N/A N/A										
43.80-44.20	100 N/A N/A		CS 12								
43.20-44.70	N/A										
44.70-46.20	100 N/A N/A										
46.80-47.20	100 N/A N/A		CS 13								
46.20-47.70	N/A							(9.20)			
47.70-49.20	97 N/A N/A										
49.70-50.10	100 N/A N/A		CS 14								
49.20-50.70	N/A										
50.70-52.20	100 N/A N/A										
52.80-53.20	87 N/A N/A		CS 15					52.05 -50.77			
52.20-53.70	N/A						(3.15)				
53.70-55.20	100 N/A N/A										
EXPLORATORY HOLE ENDS AT 55.20 m							55.20 -53.92				

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck (m) Post strike behaviour	Depth sealed (m) From to (m)	Depths (m) Time Tools used

Borehole Log



Drilled DC Logged ST/EM Checked MT		Start 24/09/2010 End 24/09/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 1.80m Diameter 250mm Casing Depth		Ground Level +1.31 mOD Coordinates E 647186.77 National Grid N 264184.00 Chainage		
Samples and Tests				Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.10 0.10-0.50 0.60 0.60 1.20-1.45 1.45-1.65	D 1 B 2 W 3 D 4 U 5 D 6	0.00-1.20 m Hand excavated inspection pit. 200 blows 200 mm rec	24/09/2010	0.50	Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND) Orangish brown becoming brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm orangish brown clay and occasional shell fragments. Gravel is angular to rounded fine to various lithologies including flint. (MADE GROUND) EXPLORATORY HOLE ENDS AT 1.80 m	0.10 +1.21 (1.70) 1.80 -0.49				
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries					Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used		
1	0.60	Rose to 0.50 m after 20 minutes.	-	1.80		1.60 -1.80	60 mins			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole CBH 2009_5U Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:29:21										

Borehole Log



Drilled DC Logged EM Checked MT	Start 27/09/2010 End 27/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 2.45m Diameter 250mm Casing Depth 1.80m	Ground Level +1.29 mOD Coordinates E 647188.28 National Grid N 264184.67 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.10 0.10-0.60 0.60 0.60	D 1 B 2 W 3 D 4	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.19		
1.80-2.25 1.80-2.45 2.25-2.45	U 5 B 7 D 6	140 blows 130 mm rec	1.70 27/09/2010 1.80	dry	Orangish brown becoming brown silty slightly gravelly fine to coarse SAND with rare fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of various lithologies including claystone and concrete. (MADE GROUND) EXPLORATORY HOLE ENDS AT 2.45 m	(2.35) 2.45 -1.16		
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries					Depth Related Remarks *		Chiselling	
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Depths (m)	Time	Tools used
1	0.60	Rose to 0.50 m after 20 minutes.	-	2.45		1.80-2.10	60 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole CBH 2009_5UA Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:29:23								

Borehole Log



Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 250mm Casing Depth 10.00m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32
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Samples and Tests					Strata		Chainage		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.23			
0.40	D 2	*			Orangish brown silty fine to coarse SAND. (MADE GROUND)	(2.20)			
2.00-2.20	U NR	100 blows No recovery	2.00	dry					
2.00-2.70	B 3								
2.30	D 4								
2.70-3.15	U 5	12 blows 410 mm rec	2.70	dry	Brown silty fine to medium SAND with rare plant debris. (Possibly MADE GROUND)	2.30 -0.97			
3.15-3.35	D 6								
3.40-3.85	U 7	8 blows 120 mm rec	3.00	1.10					
3.40-4.10	B 9								
3.85-4.05	D 8								
4.10-4.55	U 10	6 blows 180 mm rec	4.00	1.40	Soft greyish brown slightly silty organic CLAY. (RECENT DEPOSITS)	3.40 -2.07			
4.10-4.80	B 12								
4.55-4.75	D 11								
4.80	U 13	6 blows	4.60	1.80					
5.25-5.45	D 14								
5.50-5.95	U 15	7 blows 380 mm rec	5.10	2.10					
5.95-6.15	D 16								
6.20-6.65	U 17	12 blows	6.00	2.50					
6.65-6.85	D 18								
6.90-7.35	U 19	13 blows 330 mm rec	6.90	3.10					
7.35-7.95	D 20		27/09/2010	3.10					
7.60-8.05	U 20A	12 blows 220 mm rec	6.90	3.80	Firm dark brown locally black fibrous locally amorphous clayey PEAT. (RECENT DEPOSITS)	7.60 -6.27			
8.05-8.25	D 21		28/09/2010	3.80					
8.30-8.75	U 22	14 blows 400 mm rec	6.90	2.50					
8.75-8.95	D 23								
9.00-9.45	U 24	40 blows 200 mm rec	9.00	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)	8.60 -7.27			
9.00-9.70	B 26								
9.45-9.65	D 25								
9.70-10.15	U 27	40 blows	9.70	0.00					
10.15-10.35	D 28								
10.40-10.85	U 29	30 blows 180 mm rec	10.40	0.00					
10.40-11.10	B 31								
10.85-11.05	D 30								
11.10-11.50	U 32	47 blows 310 mm rec	11.10	0.00					
11.50-11.75	D 33								
11.80-12.25	U 34	38 blows 340 mm rec	11.80	0.00					
12.25-12.45	D 35								
12.50-12.95	U 36	35 blows 350 mm rec	12.50	0.00					
12.95-13.15	D 37								
13.20-13.65	U 38	38 blows	13.20	0.00					
13.65-13.85	D 39								
13.90-14.35	U 40	55 blows 420 mm rec	13.90	0.00					
14.35-14.55	D 41								
14.60-15.05	U 42	40 blows 320 mm rec	14.60	0.00					
15.05-15.25	D 43								
15.30-15.75	U 44	40 blows 400 mm rec	15.30	0.00					
15.75-15.95	D 45								
16.00-16.45	U 46	30 blows 360 mm rec	16.00	0.00					
16.45-16.65	D 47								
16.70-17.15	U 48	40 blows 360 mm rec	16.70	0.00					
17.15-17.35	D 49								
17.40-17.85	U 50	45 blows 370 mm rec	17.40	0.00					
17.85-18.05	D 51								
18.10-18.55	U 52	50 blows 410 mm rec	18.10	0.00					
18.55-18.75	D 53								
18.80-19.25	U 54	55 blows 400 mm rec	18.80	0.00					
19.25-19.45	D 55								
19.50-19.95	U 56	55 blows 210 mm rec	19.50	0.00					
19.95-20.15	D 57								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 8.60 2 No U100 Hammer weights used. 1.50 45.15 Water added to assist boring. 8.60 45.15 3 No U100 Hammer weights used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged EM Checked MT		Start 27/09/2010 End 29/09/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m 10.00m 28.60m		to 10.00m 28.60m 45.15m		Diameter 250mm 200mm 150mm		Casing Depth 10.00m 28.60m 43.50m		Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage				
Samples and Tests					Strata													
Depth	Type & No	Records	Date	Time	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments										
			Casing	Water														
20.20-20.65	U 58	50 blows 390 mm rec	28/09/2010	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)	(34.40)												
20.65-20.85	D 59		20.20	0800														
20.90-21.35	U 60	35 blows 180 mm rec	29/09/2010	1.30														
21.35-21.55	D 61		20.20	0.00														
21.60-22.05	U 62	70 blows 410 mm rec	21.60	0.00														
22.05-22.25	D 63		22.30	0.00														
22.30-22.75	U 64	55 blows 320 mm rec	22.30	0.00														
22.75-22.95	D 65		23.00	0.00														
23.00-23.45	U 66	80 blows	23.00	0.00														
23.45-23.65	D 67		23.70	0.00														
23.70-24.15	U 68	40 blows 410 mm rec	23.70	0.00														
24.15	D 69		24.40	0.00														
24.40-24.85	U NR	100 blows No recovery	24.40	0.00														
24.40-25.10	B 70																	
25.10-25.55	U 71	65 blows	25.10	0.00														
25.55-25.75	D 72		25.80	0.00														
25.80-26.25	U 73	45 blows 350 mm rec	25.80	0.00														
26.25-26.45	D 74		26.50	0.00														
26.50-26.95	U NR	40 blows No recovery	26.50	0.00														
26.50-27.20	B 75																	
27.20-27.65	U 76	80 blows 350 mm rec	27.20	0.00														
27.65-27.85	D 77		27.90	0.00														
27.90-28.35	U NR	80 blows No recovery	27.90	0.00														
27.90-28.60	B 78																	
28.60-29.05	U 79	80 blows 320 mm rec	29/09/2010	0.00														
29.05-29.25	D 80		28.60	0800														
29.30-29.75	U 81	60 blows 370 mm rec	30/09/2010	1.00														
29.75-29.95	D 82		28.60	0.00														
30.00-30.45	U NR	65 blows No recovery	29.30	0.00														
30.70-31.15	U NR	80 blows No recovery	30.70	0.00														
30.70	B 83																	
30.70-31.40	B 84																	
31.40	U NR	100 blows No recovery	31.40	0.00														
31.40-31.90	B 85																	
31.90-32.60	B 86																	
32.60-33.05	U NR	70 blows No recovery	32.60	0.00														
32.60-33.30	B 87																	
33.30-34.00	B 88																	
34.00-34.45	U NR	60 blows No recovery	34.00	0.00														
34.00-34.70	B 89																	
34.70-35.15	U 90	60 blows 340 mm rec	34.70	0.00														
35.15-35.35	D 91		35.40	0.00														
35.40-35.85	U 92	60 blows 200 mm rec	35.40	0.00														
35.85-36.05	D 93		36.10	0.00														
36.10-36.55	U 94	60 blows 330 mm rec	36.10	0.00														
36.55-36.75	D 95		36.80	0.00														
36.80-37.25	U NR	70 blows No recovery	36.80	0.00														
36.80-37.50	B 96																	
37.50-37.95	U NR	70 blows No recovery	30/09/2010	0.00														
37.50-38.20	B 97		37.50	0.00														
38.20-38.90	U NR	70 blows No recovery	38.20	0.00														
38.20-38.90	B 98																	
38.90-39.35	U 99	65 blows 360 mm rec	38.90	0.00														
39.35-39.55	D 100		39.60	0.00														
39.60-40.05	U 101	74 blows 330 mm rec	39.60	0.00														
Depth	Type & No	Records	Date	Time					Stratum continues to 43.00 m									
			Casing	Water														
Groundwater Entries									Depth Related Remarks *			Chiselling						
No.	Struck	Post strike behaviour	Depth sealed (m)						From	to (m)	Depths (m)	Time	Tools used					
None observed (see Key Sheet)												27.60 -28.00	90 mins					
												30.60 -31.20	120 mins					
												33.10 -34.00	120 mins					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.									Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole				
Scale 1:100									Project No. A0012-10					CBH 2009_5UB				
(c) Soil Mechanics www.soil-mechanics.com									Carried out for NNB Generation Company Limited					Sheet 2 of 3				

Borehole Log



Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 250mm Casing Depth 10.00m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
40.05-40.25 40.30-40.75	D 102 U 103	68 blows 230 mm rec	40.30	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)					
40.75-40.95 41.00-41.45 41.00-41.70	D 104 U NR B 105	70 blows No recovery	41.00	0.00						
41.70-42.15	U 106	75 blows 310 mm rec	41.70	0.00						
42.15-42.35 42.40-42.85	D 107 U 108	60 blows 230 mm rec	42.40	0.00						
42.85-43.05 43.00	D 109 D 110	50 blows	43.10	2.60		Very stiff silty brown fissured CLAY. (LONDON CLAY A3ii) 43.00-43.75 m Slightly sandy	43.00 -41.67			
43.10-43.55 43.55-43.75	U 111 D 112		43.50	4.80			(2.15)			
43.80-44.25	U 113	60 blows	43.50	4.80						
44.25-44.45 44.50-44.95	D 114 U 115	60 blows	43.50	5.20						
44.95-45.15	D 116				EXPLORATORY HOLE ENDS AT 45.15 m	45.15 -43.82				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP	Start 05/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m	to 12.40m	Diameter 194mm	Casing Depth 12.40m	Ground Level +1.64 mOD
Logged ST/GA	End 13/07/2010		12.40m	55.50m	146mm	55.50m	Coordinates E 647062.26
Checked MT							National Grid N 264089.73

Samples and Tests				Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.20-0.40	D 1	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly SAND with frequent rootlets. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND)	0.10 +1.54			
0.20-0.40	B 2						(1.10)		
1.00-1.20	D 3	* Flush: 1.20-6.20 Water, 90 %	02/07/2010		Yellowish brown slightly gravelly fine to coarse SAND with occasional pockets of brown and light grey clay (less than 30mm in size). Gravel is subangular to rounded fine of mixed lithologies including flint. (MADE GROUND)	1.20 +0.44			
1.00-1.20	B 4		1.20	0800 dry					
1.20-2.00	0 N/A								
2.00-3.50	7 N/A								
3.50-5.00	10 N/A				ZONE OF CORE LOSS. Foreman reports sand, gravel and cobbles. Stratum base depth uncertain. (Probably MADE GROUND)	(5.00)			
5.00-6.20	0 N/A								
6.20-7.70	10 N/A	Flush: 6.20-7.70 Water, 10 %	05/07/2010	2.00	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports soft peat and cobbles. (Probably RECENT DEPOSITS)	6.20 -4.56			
6.20-7.70	0 N/A		06/07/2010	0800					
7.70-8.80	0 N/A								
8.80-9.20	100 N/A	CS 5			Firm dark grey pseudo-fibrous, locally amorphous, PEAT. (RECENT DEPOSITS)	8.80 -7.16			
8.80-9.40	0 N/A								
9.40-10.90	73 N/A								
10.90-12.40	7 N/A				Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	10.90 -9.26			
12.40-13.00	0 N/A		06/07/2010	2.20	Grey clayey slightly gravelly fine SAND. Gravel is angular to subangular fine to coarse of flint.				
13.00-13.50	0 N/A		07/07/2010	0800					
13.50-14.25	0 N/A								
14.25-15.00	0 N/A								
15.00-15.75	13 N/A								
15.75-16.50	33 N/A	Flush: 7.70-24.75 Water, 99 %							
16.50-17.25	0 N/A								
17.25-18.00	13 N/A		07/07/2010						
18.00-18.75	53 N/A		08/07/2010	0800	Dark brown and greyish brown slightly gravelly fine to medium SAND. Gravel is angular fine to coarse of flint.	18.75 -17.11			
18.75-19.50	93 N/A		12.40	1.50					
18.97-19.32	0 N/A								
18.75-19.50	0 N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.45 m			

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	To (m)	Depths (m)	Time	Tools used
1	1.00	Damp	-	1.20	55.20			Geobor S clam bit used.

Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)					
19.50-20.50	100 N/A					(CRAG DEPOSITS)					
20.50-21.00	N/A					ZONE OF CORE LOSS.					
21.00-22.50	7 N/A					Foreman reports stiff sand. (CRAG DEPOSITS)					
22.50-24.00	23 N/A								(5.80)		
24.00-24.75	0 N/A			08/07/2010							
24.75-25.50	0 N/A			12.40 10/07/2010 12.40	0800 1.10						
25.50-26.25	0 N/A										
26.25-27.00	16 N/A					ZONE OF CORE LOSS.					
27.00-27.75	0 N/A		Flush: 24.75-30.00 Water, 90 %			Foreman reports gravelly sand and clay. (CRAG DEPOSITS)					
27.75-28.50	0 N/A										
28.50-29.25	0 N/A										
29.25-30.00	29 N/A			10/07/2010 30.00	2.30						
30.00-30.75	0 N/A			11/07/2010 30.00	0800 1.10						
30.75-31.50	0 N/A										
31.50-32.25	0 N/A										
32.25-33.00	0 N/A										
33.00-33.75	0 N/A										
33.75-34.50	17 N/A										
34.50-35.25	0 N/A								(16.63)		
35.25-36.00	0 N/A										
36.00-36.75	0 N/A		Flush: 30.00-43.50 Water, 85 %								
36.75-37.50	0 N/A										
37.50-39.00	5 N/A										
39.00-39.75	0 N/A										
Depth						Stratum continues to 42.88 m					

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			Groundwater		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
39.75-40.50	0 N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand and clay. (CRAG DEPOSITS)					
40.50-41.25	N/A										
41.25-42.00	17 N/A N/A										
42.00-43.00	50 N/A										
42.50-42.88	N/A		CS 8								
43.00-43.40	100 N/A		CS 9								
43.00-43.50	N/A			11/07/2010	2.10	Very stiff dark grey fissured CLAY. Occasional thin laminae of silt and occasional claystone bands present. Occasional fissure surfaces with silt infill. (LONDON CLAY A3)	41.88-42.00 m				
				12/07/2010	0800						
43.50-45.00	93 N/A N/A			12/07/2010	1.20		42.50-42.88 m				
45.42-45.76	100 N/A		CS 10				43.50-43.60 m				
45.00-46.20	N/A						NO RECOVERY				
46.20-47.70	17 N/A N/A						44.10-44.14 m				
47.70-49.20	97 N/A N/A						Claystone horizon				
49.20-50.10	100 N/A		CS 11				44.20-44.28 m				
49.70-50.10	N/A						Claystone horizon				
50.10-51.00	39 N/A N/A						44.56 m thin laminae of silt				
51.00-52.50	93 N/A N/A						44.70-45.00 m planar smooth and clean vertical fissure				
52.70-53.09	100 N/A		CS 12	12/07/2010	2.40		45.37-45.40 m claystone horizon				
52.50-53.60	N/A			13/07/2010	0800		46.20-47.45 m				
53.60-54.00	100 N/A			13/07/2010	1.20		NO RECOVERY				
54.00-55.50	100 N/A N/A						47.45-47.70 m				
							Medium strong fine grained sandstone horizon				
							47.70-47.75 m				
							NO RECOVERY				
							49.05 m thin laminae of silt				
							50.10-50.65 m				
							NO RECOVERY				
							50.75-50.85 m				
							Medium strong dark grey claystone horizon				
							50.95-51.00 m silt laminae				
							52.61-52.64 m				
							Extremely weak dark blueish grey claystone				
							53.36-53.39 m				
							Extremely weak dark blueish grey claystone				
							54.00-55.10 m				
							Frequent fissures with light grey silt infill.				
							54.90 m				
							Fragment of wood (60x20x3mm in size)				
							EXPLORATORY HOLE ENDS AT 55.50 m				

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 11.00m 43.85m 200mm 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10 0.20-0.60	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty SAND with frequent rootlets. (MADE GROUND)	0.10 +1.57			
1.20 1.20-1.65 1.65-1.85 1.90-2.35	W 3 U 4 D 5 U 6	27 blows 260 mm rec		1.10	Orangish brown SAND with rare fine to medium gravel size shell fragments. (MADE GROUND)				
2.35-3.55 2.60-3.05	D 7 U 8	25 blows 410 mm rec	1.90	0.00					
3.05-3.25 3.30-3.75	D 9 U 10	45 blows 300 mm rec	19/09/2010 3.25	1.10	2.75-2.95 m Rare pockets of soft clay 3.05-3.25 m brownish grey horizon	(6.40)			
3.75-3.95 4.00-4.45	D 11 U 12	50 blows	20/09/2010 3.25 3.90	0.50 1.00					
4.45-4.65 4.70-5.15	D 13 U 14	40 blows 365 mm rec	4.70	1.20	Firm dark brown and black amorphous, locally pseudo-fibrous PEAT. (RECENT DEPOSITS)	6.50 -4.83			
5.15-5.35 5.40-5.85	D 15 U 16	35 blows 360 mm rec	5.40	1.30					
5.85-6.05 6.10-6.55	D 17 U 18	30 blows 375 mm rec	6.00	1.40					
6.55-6.75 6.80-7.25	D 19 U 20	10 blows 415 mm rec	6.70	1.20					
7.25-7.45 7.50-7.95	D 21 U 22	10 blows 270 mm rec	6.90	7.00		7.20-7.45 m horizon of soft grey silty clay with rare plant debris	(3.80)		
7.95-8.15 8.20-8.65	D 23 U 24	17 blows 400 mm rec	6.40	dry					
8.65-8.85 8.90-9.35	D 25 U 26	15 blows 395 mm rec	6.90	dry					
9.35-9.55 9.60-10.05	D 27 U 28	17 blows	6.90	dry					
10.30 10.30-10.75 10.75-10.95	W 30 U 31 D 32	35 blows	6.90	4.60		Brown locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	10.30 -8.63		
11.00-11.45 11.00-11.65	U NR B 33	120 blows No recovery	11.00	0.00			10.30-10.75 m brownish grey 11.00-11.65 m Slightly gravelly. Gravel is angular fine to coarse of flint		
11.70-12.15	U 34	50 blows 415 mm rec	11.60	0.00	14.95-15.15 m orangish brown with rare pockets of soft dark grey clay up to 50mm in size 15.65-15.85 m Clayey gravelly sand. Gravel is angular fine to coarse of claystone 17.30-17.75 m yellowish brown horizon	(13.75)			
12.15-12.35 12.40-12.85	D 35 U 36	65 blows	12.30	0.00					
12.85-13.05 13.10-13.55	D 37 U 38	60 blows	13.00	0.00					
13.55-13.75 13.80-14.25	D 39 U 40	100 blows	13.80	0.00					
14.25-14.45 14.50-14.95	D 41 U 42	90 blows	14.50	0.00					
14.95-15.15 15.20-15.65	D 43 U 44	90 blows	15.20	0.00					
15.65-15.85 15.90-16.35	D 45 U 46	* 100 blows 300 mm rec	20/09/2010 15.65	0.40 0.40					
16.35-16.55 16.60-17.05 16.60-17.30	D 47 U 48 B 50	100 blows 240 mm rec	21/09/2010 15.85 16.60	0.40 0.00					
17.05-17.25 17.30-17.75	D 49 U 51	100 blows 410 mm rec	17.30	0.00					
17.75-17.95 18.00-18.45	D 52 U 53	100 blows 335 mm rec	18.00	0.20					
18.45-18.65 18.70-19.15	D 54 U 55	75 blows	18.70	0.00					
19.15-19.35 19.40-19.85	D 56 U 57	70 blows 420 mm rec	19.40	0.00					
19.85-20.05	D 58								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 24.05 m				

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used
1	1.20	Rose to 1.10 m after 20 minutes.	-	0.00 43.85	2	No	U100 Hammer weights used.
2	10.30	Rose to 4.50 m after 20 minutes.	-	15.85 29.15			Water added to assist boring.

Borehole Log



Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 43.85m 200mm 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
20.10-20.55	U 59	100 blows	20.00	0.20	Brown locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
20.55-20.75	D 60								
20.80-21.25	U 61	120 blows 275 mm rec	20.80	0.40			20.80 m dark brown		
21.25-21.45	D 62								
21.50-21.95	U 63	100 blows	21.50	0.10					
21.95-22.15	D 64								
22.20-22.65	U 65	90 blows	22.10	0.10			22.20-22.85 m orangish brown horizon		
22.65-22.85	D 66								
22.90-23.35	U 67	120 blows 390 mm rec	22.90	0.50					
23.35-23.55	D 68								
23.60-24.05	U 69	120 blows	23.50	0.40			23.35-23.55 m rare nodules of claystone		
24.05-24.25	D 70					Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	24.05	-22.38	
24.30-24.75	U NR	100 blows No recovery	24.30	0.30					
24.30-24.45	D 71								
25.00-25.45	U 72	80 blows 365 mm rec	25.00	0.50					
25.45-25.65	D 73								
25.70-26.15	U 74	65 blows 405 mm rec	25.60	0.20					
26.15-26.35	D 75								
26.40-26.85	U 76	100 blows	26.40	0.60					
26.85-27.05	D 77								
27.10-27.55	U 78	110 blows 405 mm rec	27.00	0.30					
27.55-27.75	D 79								
27.80-28.25	U 80	110 blows 370 mm rec	27.80	0.70					
28.25-28.45	D 81								
28.50-28.95	U 82	120 blows 395 mm rec	28.60	0.20					
28.95-29.15	D 83		28.50	0.00					
29.20-29.65	U 84	120 blows 380 mm rec	22/09/2010	0.00		28.95-29.15 m rare pockets of soft grey silty clay up to 40mm in size			
29.65-29.85	D 85		28.60	0.00					
29.90-30.35	U 86	120 blows 385 mm rec	29.20	0.00					
30.35-30.55	D 87								
30.60-31.05	U 88	100 blows	30.60	0.00					
31.05-31.25	D 89								
31.40-31.85	U 90	100 blows 310 mm rec	31.30	0.00					
31.85-31.95	D 91								
32.00-32.45	U 92	110 blows	32.00	0.00		31.85-31.95 m Slightly gravelly. Gravel is angular fine to coarse of claystone			
32.45-32.65	D 93								
32.70-33.15	U 94	120 blows 340 mm rec	32.70	0.00					
33.15-33.75	D 95								
33.40-33.85	U 96	120 blows 205 mm rec	33.40	0.00					
33.40-34.05	B 98								
33.85-34.05	D 97								
34.10-34.55	U 99	120 blows 330 mm rec	34.10	0.00					
34.55-34.75	D 100								
34.80-35.25	U 101	100 blows 245 mm rec	34.80	0.00					
35.25-35.45	D 102								
35.50-35.95	U 103	120 blows	35.50	0.00		35.50-35.95 m light grey horizon			
35.95-36.15	D 104								
36.20-36.65	U 105	120 blows 345 mm rec	36.20	0.00		36.20-36.65 m brownish grey horizon			
36.65-36.85	D 106								
36.90-37.55	D 107								
36.90-37.35	U NR	120 blows No recovery	36.90	0.00					
37.60-38.05	U 108	120 blows 390 mm rec	37.60	0.00					
38.05-38.25	D 109								
38.30-38.75	U 110	120 blows 290 mm rec	38.30	0.00		38.05-38.25 m greenish grey horizon			
38.75-38.95	D 111								
39.00-39.45	U 112	120 blows 385 mm rec	39.00	0.00		39.00-39.45 m brownish grey horizon			
39.45-39.65	D 113								
39.70-40.15	U 114	120 blows 345 mm rec	39.70	0.00					
			22/09/2010	0.20					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.90 m				

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)					
40.15-40.35	D 115		40.05	0800	Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS) Very silty brown CLAY. (LONDON CLAY A3ii) EXPLORATORY HOLE ENDS AT 43.85 m	42.50-42.59 m Slightly gravelly Gravel is subrounded medium to coarse of flint	42.90 -41.23 43.85 -42.18			
40.40-40.85	U 116	130 blows 400 mm rec	23/09/2010	0.00						
40.85-41.05	D 117		40.05							
41.10-41.55	U 118	130 blows 200 mm rec	40.40							
41.10-41.75	B 120		41.10	0.00						
41.55-42.25	U 121	140 blows 440 mm rec	41.80	0.00						
42.25-42.45	D 122		42.50	0.00						
42.50-42.95	U 123	120 blows	43.10	1.50						
42.95-43.15	D 124		23/09/2010	1.50						
43.20-43.65	U 125	80 blows	44.10							
43.60-43.85	D 126									

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			Greyish brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	(0.40) 0.40 +3.18		
1.20-2.10	37 N/A N/A				Yellowish brown slightly gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments and occasional pockets of soft clay present. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	1.20-1.77 m NO RECOVERY (3.95)		
2.25-2.85 2.10-2.85	80 N/A N/A	CS 7				2.10-2.25 m NO RECOVERY		
2.85-3.60	40 N/A N/A					2.85-3.30 m NO RECOVERY		
3.60-4.35	8 N/A N/A					3.60-4.29 m NO RECOVERY		
4.35-5.10	13 N/A N/A				Grey slightly sandy GRAVEL of subangular to rounded fine to coarse of quartz and flint. (MADE GROUND)	4.35-4.95 m NO RECOVERY (1.85)		
5.10-5.85	16 N/A N/A					5.10-5.73 m NO RECOVERY		
5.85-6.60	93 N/A N/A					5.80-5.85 m fine to medium sand pocket	6.20 -2.62	
6.60-7.00		CS 8			Firm dark brown and grey fibrous PEAT. (RECENT DEPOSITS)	5.85-5.90 m NO RECOVERY (0.40) 6.60 -3.02		
6.60-8.10	100 N/A N/A				Soft grey thinly laminated extremely closely fissured CLAY with frequent plant material present. Slight organic odour. (RECENT DEPOSITS)	5.90-6.20 m greyish brown fine to medium sand 7.55 -3.97		
8.10-9.60	63 N/A N/A		06/08/2010 2.58 07/08/2010 2.58	1.90 0800 1.80	Firm dark brown and black fibrous, locally pseudo-fibrous, PEAT. (RECENT DEPOSITS)	8.10-8.65 m NO RECOVERY (2.05)		
9.60-10.35	19 N/A N/A	Flush: 1.20-17.85 Water, 95 %				8.70 m 3 No. angular medium flint gravels 9.40-9.60 m very sandy peat	9.60 -6.02	
10.35-11.10	13 N/A N/A				Yellowish grey and blueish grey slightly clayey fine to medium SAND with few fine to medium gravel size shell fragments. (RECENT DEPOSITS)	9.60-10.21 m NO RECOVERY (0.75) 10.35 -6.77		
11.10-11.85	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	11.00-11.10 m PARTIAL CORE RECOVERY. (1.87)		
12.22-12.60 11.85-12.60	51 N/A N/A	CS 9				occasional shell fragments (CRAG DEPOSITS)	12.22 -8.64	
12.60-13.35	100 N/A N/A				Yellowish grey and grey fine to coarse SAND with occasional laminae of firm orangish brown silty clay and frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.88)		
13.35-14.10	71 N/A N/A					13.35-13.57 m NO RECOVERY		
14.10-14.85	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	14.10 -10.52		
14.85-15.60	13 N/A N/A							
15.60-16.35	0 N/A N/A					15.50-15.55 m PARTIAL CORE RECOVERY. (6.00)		
16.35-17.10	0 N/A N/A					Yellowish grey fine to coarse sand (CRAG DEPOSITS)		
17.10-17.85	33 N/A N/A					15.55-15.60 m claystone horizon		
17.85-18.60	31 N/A N/A		07/08/2010 17.85 08/08/2010 17.85	1.70 0800 1.10		15.60-16.35 m foreman reports claystone		
18.60-19.35	7 N/A N/A					17.60-17.85 m PARTIAL CORE RECOVERY. (1.88)		
19.60-20.10 19.35-20.10	67 N/A N/A	CS 10				Grey fine to medium sand with occasional fine to medium gravel size shell		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.10 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 32.00 Geobor S extended pilot bit used..	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
20.10-20.85	100 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS) :: 17.60m - fragments and 2 No. subrounded medium quartz	20.10 -16.52			
20.85-21.60	24 N/A N/A					Grey and brownish grey fine to coarse SAND with occasional very thin firm grey clay laminae and occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS) 20.85-21.42 m NO RECOVERY				
21.60-22.35	100 N/A N/A									
22.35-23.10	33 N/A N/A						(5.85)			
23.45-23.85 23.10-23.85	53 N/A N/A		CS 11							
23.85-24.60	21 N/A N/A									
24.60-25.35	36 N/A N/A									
25.35-26.10	57 N/A N/A									
26.10-26.85	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS) 24.60-25.08 m NO RECOVERY	25.95 -22.37			
26.85-27.60	27 N/A N/A									
27.83-28.35 27.60-28.35	69 N/A N/A		CS 12				(3.90)			
28.35-29.10	60 N/A N/A			08/08/2010 1.50						
29.10-29.85	7 N/A N/A			29.16 0800						
29.85-30.60	100 N/A N/A			09/08/2010 1.15						
31.03-31.45 30.60-31.70	64 N/A N/A		CS 13			Grey and brownish grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments and few very thin soft grey clay laminae. (CRAG DEPOSITS) 27.40-27.60 m PARTIAL CORE RECOVERY. Grey silty fine to medium sand with few soft silty clay laminae and few fine to medium gravel size shell fragments (CRAG DEPOSITS)	29.85 -26.27			
31.70-32.00			TCR 0, SCR NR, RQD NR							
32.00-33.10	77 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS) 27.78-28.35 m PARTIAL CORE RECOVERY. Brownish grey silty fine to medium sand with few medium to coarse gravel size shell fragments (CRAG DEPOSITS)	31.70 -28.12			
33.10-34.60	5 N/A N/A									
34.64-35.04 34.60-35.35	91 N/A N/A		CS 14							
35.35-36.10	11 N/A N/A									
36.10-36.85	0 N/A N/A					Flush: 17.85-55.20 Water, 90 %				
36.85-37.60	0 N/A N/A			09/08/2010 1.60						
37.60-38.35	13 N/A N/A			37.66 0800						
38.35-39.10	11 N/A N/A			10/08/2010 1.20						
39.10-39.85	0 N/A N/A			37.60			(15.10)			
Stratum continues to 46.80 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 32.00 47.35 Geobor S hexagonal short nosed pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			Groundwater Entries								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No.	Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used	
39.85-40.60	7 N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)											
40.60-41.35	0 N/A																
41.35-42.10	0 N/A																
42.10-42.85	0 N/A																
42.85-43.60	5 N/A																
43.60-44.35	13 N/A																
44.35-45.10	0 N/A																
45.10-45.85	13 N/A																
45.85-46.60	11 N/A																
46.60-47.35	0 N/A			10/08/2010 47.35	2.00 0800		ZONE OF CORE LOSS Boundary uncertain. (Possible LONDON CLAY)	46.80	-43.22								
47.35-48.05	0 N/A			11/08/2010 47.35	1.90			(1.70)									
48.05-48.80	100 N/A		CS 15			Very stiff dark grey, locally blueish grey, CLAY, locally tending to extremely weak mudstone. (LONDON CLAY A3ii)	48.50	-44.92									
48.80-49.75	100 N/A		CS 18														
49.75-50.85	100 N/A																
50.85-51.95	100 N/A		CS 19														
51.95-52.85	100 N/A		CS 16														
52.85-53.60	100 N/A		CS 20														
53.60-54.35	100 N/A																
54.35-54.75	100 N/A		CS 17														
54.75-55.45	100 N/A			11/08/2010 55.26	1.60												
							Very stiff dark grey extremely closely fissured CLAY. (LONDON CLAY A2) EXPLORATORY HOLE ENDS AT 55.45 m	55.30	-51.72								
								55.45	-51.87								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m) 47.35 55.20	Depth Related Remarks * From to (m) Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m	Diameter 250mm	Casing Depth 9.60m 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10 0.30 0.50-1.00	D 1 D 2 B 3	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty slightly gravelly SAND with rare rootlets. Gravel is subangular to subrounded fine to coarse of chalk, sandstone and flint.	0.10 +3.65			
1.20-1.65	U 4	27 blows 300 mm rec		dry	(MADE GROUND)				
1.65-1.85 1.90-2.35	D 5 U 6	85 blows 350 mm rec	1.90	dry	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of grey clay.	(3.90)			
2.35-2.55 2.60-3.05	D 7 U 8	70 blows	2.60	dry	Gravel is subangular to subrounded fine to coarse of chalk, sandstone and flint.				
3.05-3.25 3.30-3.75	D 9 U 10	85 blows 200 mm rec	3.00	dry	(MADE GROUND)				
3.75-3.95 4.00-4.45	D 11 U 12	100 blows 320 mm rec	3.90	dry					
4.45-4.65 4.70-5.15	D 13 U 14	70 blows 290 mm rec	4.50	dry	Brown slightly silty gravelly SAND. Gravel is subangular fine to coarse of chalk, flint and sandstone.	4.00 -0.25			
5.15-5.35 5.40-5.85	D 15 U 16	85 blows 300 mm rec	18/10/2010 4.50	dry 2.50	(Possibly MADE GROUND)	(2.55)			
5.85-6.05 6.10-6.55	D 17 U 18	23 blows	19/10/2010 4.50	dry 6.00					
6.55-6.75 6.80-7.25	D 19 U 20	20 blows	6.70	dry	Firm brown black clayey pseudo-fibrous PEAT.	6.55 -2.80			
7.25-7.45 7.50-7.95	D 21 U 22	9 blows	6.70	dry	(RECENT DEPOSITS)	(1.40)			
7.95-8.15 8.20-8.65	D 23 U 24	20 blows	6.70	dry	Plastic black, pseudo-fibrous PEAT.	7.95 -4.20			
8.65-8.85 8.90-9.35	D 25 U 26	13 blows	6.70	dry	(RECENT DEPOSITS)	(1.40)			
9.35-9.55 9.60-10.05	D 27 U 28	17 blows 390 mm rec	9.60	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments.	9.35 -5.60			
10.05-10.25 10.30-10.75	D 29 U 30	45 blows 350 mm rec	10.30	0.00	(CRAG DEPOSITS)				
10.75-10.95 11.00-11.45	D 31 U 32	70 blows 410 mm rec	11.00	0.00					
11.45-11.65 11.70-12.15	D 33 U 34	35 blows 420 mm rec	11.70	0.00					
12.15-12.35 12.40-12.85	D 35 U 36	60 blows	12.40	0.00					
12.85-13.05 13.10-13.55	D 37 U 38	50 blows	13.10	0.00					
13.55-13.75 13.80-14.25	D 39 U 40	60 blows 400 mm rec	13.80	0.00					
14.25-14.45 14.50-14.95	D 41 U 42	60 blows 410 mm rec	14.50	0.00					
14.95-15.15 15.20-15.65	D 43 U 44	70 blows 400 mm rec	15.20	0.00					
15.65-15.85 15.90-16.35	D 45 U 46	70 blows 360 mm rec	15.90	0.00					
16.35-16.55 16.60-17.05	D 47 U 48	65 blows 350 mm rec	16.60	0.00					
17.05-17.25 17.30-17.75	D 49 U 50	80 blows 210 mm rec	17.30	0.00					
17.75-17.95 18.00-18.45	D 51 U 52	65 blows	18.00	0.00					
18.45-18.65 18.70-19.15	D 53 U 54	60 blows 420 mm rec	18.70	0.00					
19.15-19.35 19.40-19.85 19.40-20.10 19.85-20.05	D 55 U 56 B 58 D 57	100 blows 170 mm rec	18.40	0.00					
Stratum continues to 46.10 m									

Groundwater Entries No. Struck Post strike behaviour 1 9.30 Rose to 7.40 m after 20 minutes.		Depth sealed (m) -	Depth Related Remarks * From to (m) 1.20 20.10 1 No. U100 Hammer weight used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date	Time	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
			Casing	Water								
20.10-20.55	U NR	* 100 blows No recovery	20.10	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(36.75)						
20.10-20.80	B 59		20.10	0.80								
			20/10/2010	3.70								
20.80-21.25	U 60	60 blows 320 mm rec	20.10	0.00								
21.25-21.45	D 61											
21.50-21.95	U 62	100 blows 290 mm rec	21.50	0.00								
21.95-22.15	D 63											
22.20-22.65	U 64	100 blows 200 mm rec	22.20	0.00								
22.20-22.90	B 66											
22.65-22.85	D 65											
22.90-23.35	U 67	100 blows 200 mm rec	22.90	0.00								
22.90-23.60	B 69											
23.35-33.55	D 68											
23.60-24.50	U 70	70 blows 430 mm rec	23.60	0.00								
24.05-24.25	D 71											
24.30-24.75	U 72	80 blows 400 mm rec	24.30	0.00								
24.45-25.65	D 75											
24.75-24.95	D 73											
25.00-25.45	U 74	80 blows 380 mm rec	25.00	0.00								
25.70-26.15	U 76	65 blows 400 mm rec	25.70	0.00								
26.15-26.35	D 77											
26.40-26.85	U 78	70 blows 230 mm rec	26.40	0.00								
26.85-27.05	D 79											
27.10-27.55	U 80	70 blows 250 mm rec	27.10	0.00								
27.55-27.75	D 81											
27.80-28.25	U NR	70 blows No recovery	27.80	0.00								
27.80-28.50	B 82											
28.50-28.95	U 83	85 blows 400 mm rec	28.50	0.00								
28.95-29.15	D 84											
29.20-29.65	U 85	75 blows 400 mm rec	29.20	0.00								
29.65-29.85	D 86											
29.90-30.35	U 87	90 blows 400 mm rec	29.90	0.00								
30.35-30.55	D 88											
30.60-31.05	U 89	95 blows 380 mm rec	30.60	0.00								
31.05-31.25	D 90											
31.30-31.75	U 91	90 blows 400 mm rec	31.30	0.00								
31.75-31.95	D 92											
32.00-32.45	U 93	110 blows 310 mm rec	32.00	0.00								
32.45-32.65	D 94											
32.70-33.15	U 95	95 blows 350 mm rec	32.70	0.00								
33.15-33.35	D 96											
33.35-33.85	U 97	120 blows 350 mm rec	33.40	0.00								
33.85-34.05	D 98											
34.10-34.55	U 99	140 blows 230 mm rec	34.10	0.00								
34.55-34.75	D 100											
34.80-35.25	U 101	130 blows 300 mm rec	34.80	0.00								
35.25-35.45	D 102		20/10/2010	0.00								
35.45-38.35	D 110		34.80	0.80								
35.60-36.05	U 103	90 blows 340 mm rec	21/10/2010	0.00								
36.05-36.25	D 104		35.60	3.50								
36.30-36.75	U 105	100 blows 300 mm rec	34.80	0.00								
36.75-36.95	D 106		36.30	0.00								
37.00-37.45	U 107	120 blows 390 mm rec	37.00	0.00								
37.45	D 108											
37.70-38.15	U 109	120 blows 300 mm rec	37.70	0.00								
38.40-38.85	U 111	100 blows 350 mm rec	38.40	0.00								
38.85-39.05	D 112											
39.10-39.55	U 113	110 blows 360 mm rec	39.10	0.00								
39.55-39.75	D 114											
39.80-40.25	U 115	120 blows 300 mm rec	38.80	0.00								
Depth	Type & No	Records	Date	Time					Stratum continues to 46.10 m			
			Casing	Water								

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m) 20.10 48.15 2 No. U100 Hammer weights used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.25-40.45	D 116				Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
40.50-40.95	U 117	115 blows 390 mm rec	40.50	0.00				
40.95-41.15	D 118							
41.20-41.65	U 119	130 blows 390 mm rec	41.20	0.00				
41.65-41.85	D 120							
41.90-42.35	U 121	120 blows 300 mm rec	41.90	0.00				
42.35-42.55	D 122							
42.60-43.05	U 123	120 blows 380 mm rec	42.60	0.00				
43.05-43.25	D 124							
43.30-43.75	U 125	105 blows 380 mm rec	43.30	0.00				
43.75-43.95	D 126							
44.00-44.45	U NR	120 blows No recovery	44.00	0.00				
44.45-44.70	D 127							
44.70-45.15	U 128	130 blows 370 mm rec	44.70	0.00				
45.15-45.35	D 129							
45.40-45.85	U NR	120 blows No recovery	45.40	0.00				
45.40-46.10	B 130							
46.10-46.55	U 132	70 blows 300 mm rec	46.10	0.00	Stiff greyish brown slightly sandy CLAY. (LONDON CLAY - A3ii)	46.10	-42.35	
46.10	D 131							
46.55-46.75	D 133		21/10/2010	4.90				
46.80-47.25	U 134	60 blows	46.40	6.30				
47.25-47.45	D 135		25/10/2010	4.50				
47.50-47.99	U 136	70 blows 450 mm rec	46.40	7.40		(2.05)		
47.99-48.15	D 137		25/10/2010	7.40		48.15	-44.40	
EXPLORATORY HOLE ENDS AT 48.15 m								

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled AD/PS	Start 16/09/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m	to 12.70m	Diameter 300mm	Casing Depth 12.75m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
Logged GA/ST	End 12/10/2010		12.70m	28.55m	250mm	28.55m	
Checked MT			28.55m	48.40m	200mm	48.40m	

Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.20-0.50	B 1A	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly silty SAND with frequent rootlets. (MADE GROUND)	0.10	+3.37	
0.20-0.50	D 2A					(1.10)		
0.60-1.20	B 3A							
0.60-1.20	D 4A							
1.20-1.70	B 1	24 blows No recovery	1.00	0.00	Yellow slightly gravelly SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Possibly RECENT DEPOSITS)	1.20	+2.27	
1.20-1.65	U NR					(1.00)		
1.75-2.20	B 2	28 blows No recovery	1.60	0.70	Multicoloured sandy angular to rounded fine to coarse GRAVEL of various lithologies including flint. (Possibly RECENT DEPOSITS)	2.20	+1.27	
1.75-2.20	U NR					(2.80)		
2.30-2.75	U 3	31 blows 300 mm rec	2.20	1.00	Light grey SAND. (RECENT DEPOSITS)			
2.80-3.25	U 4	27 blows 250 mm rec	2.70	0.40				
3.30-3.75	U 5	32 blows 300 mm rec	3.20	0.00	Grey, light grey and brown slightly sandy slightly gravelly angular to subrounded COBBLES of flint. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of various lithologies including flint. (RECENT DEPOSITS)	5.00	-1.53	
3.80-4.25	U 6	33 blows 350 mm rec	3.70	0.00		(1.20)		
4.35-4.80	U 7	41 blows 200 mm rec	4.10	0.00	Soft to firm, locally thinly laminated, blueish grey mottled black CLAY. (RECENT DEPOSITS)	6.20	-2.73	
5.00-6.00	B 8		16/09/2010	2.80		(2.80)		
6.20-6.80	B 11	21 blows	6.00	1.10	Very soft dark grey silty CLAY. (RECENT DEPOSITS)	9.00	-5.53	
6.20-6.65	U 9							
6.65-7.10	U 10	19 blows 350 mm rec	6.40	4.20	Firm dark grey clayey amorphous PEAT. (RECENT DEPOSITS)	12.20	-8.73	
6.80-7.10	B 12	17 blows	7.00	5.75		(0.90)		
7.10-7.55	U 13			7.00	0.00	13.10	-9.63	
7.60	D 14	11 blows	7.00	6.10	Grey silty fine to medium SAND. (Possibly CRAG DEPOSITS)			
7.65-8.10	U 15							
8.15	D 16	11 blows 410 mm rec	7.00	7.20	Soft thinly laminated grey silty CLAY. (Possibly CRAG DEPOSITS)	16.85	-13.38	
8.20-8.65	U 17						17.00	-13.53
8.70	D 18	10 blows	7.00	8.15	Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
8.75-9.20	U 19							
9.30	D 20	10 blows 370 mm rec	7.00	8.10	Stratum continues to 47.00 m			
9.35-9.80	U 21							
9.85	D 22	8 blows	7.00	9.20				
10.00-10.45	U 23							
10.50	D 24	7 blows	7.00	9.10				
10.55-11.00	U 25			17/09/2010	8.40			
11.05	D 26	15 blows	7.00	0.00				
11.10-11.55	U 27			18/09/2010	0.800			
11.60	D 28	14 blows	7.00	2.80				
11.65-12.10	U 29			7.00	0.00			
12.15	D 30	14 blows	7.00	0.00				
12.20-12.65	U 31			7.00	0.00			
12.70	D 32	31 blows 220 mm rec	12.50	1.00				
12.75-13.20	U 33			12.70	1.00			
12.80	D 34	40 blows 420 mm rec	13.20	0.30				
13.00-13.45	U 35							
13.50	D 36	42 blows 370 mm rec	14.00	0.00				
13.55-14.00	U 37							
14.05-14.50	U 38	43 blows 300 mm rec	14.00	0.00				
14.55	D 39	44 blows 300 mm rec	14.10	0.00				
14.55-15.00	U 40			18/09/2010	0.00			
15.05	D 41	61 blows 330 mm rec	14.16	1.31				
15.20-15.65	U 42			19/09/2010	0.800			
15.70	D 43	66 blows	15.00	2.80				
15.75-16.20	U 44			15.10	0.90			
16.25	D 45	62 blows 390 mm rec	16.00	1.30				
16.35-16.80	U 46							
16.85	D 47	63 blows 400 mm rec	16.80	0.00				
17.00-17.45	U 48							
17.50	D 49	59 blows	17.30	0.00				
17.55-18.00	U 50							
18.05	D 51	64 blows	17.90	0.00				
18.10-18.55	U 52							
18.60	D 53	84 blows	18.60	1.00				
18.70-19.15	U 54							
19.20	D 55	72 blows 400 mm rec	19.20	1.00				
19.40-19.85	U 56							
19.90	D 57							

Groundwater Entries		Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
No.	Struck (m)					
1	2.80	2.80	0.00 48.40 2 No U100 Hammer weights used.	5.00-6.00	120 mins	

Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date	Time	Description				
20.00-20.45	U 58	82 blows 425 mm rec	19.70	0.75	Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	20.45 m pocket of soft grey clay			
20.50	D 59								
20.65-21.10	U NR	80 blows 370 mm rec	20.00	1.10					
21.10-21.55	U 61	80 blows 370 mm rec	21.00	0.60					
21.60	D 62		19/09/2010	2.80					
21.70-22.15	U 63	79 blows 380 mm rec	21.56	0.800			21.45 m slightly gravelly. Gravel is subrounded coarse of claystone		
22.20	D 64		20/09/2010	3.15					
22.30-22.75	U 65	82 blows 360 mm rec	21.50	1.95					
22.90-23.35	U 66	81 blows 380 mm rec	22.00	0.40			22.65 m rare grey clay pockets		
23.40-23.85	U 67	77 blows 390 mm rec	22.70	0.35					
24.00-24.45	U 68	88 blows	23.00	0.60					
24.50	D 69		23.60	0.60					
24.55-25.00	U 70	82 blows 380 mm rec	24.30	1.10					
25.00-25.50	B 71						25.00-25.50 m greyish brown angular coarse GRAVEL of claystone		
25.50-26.00	B 72		25.30	2.10					
25.50-25.95	U NR	77 blows No recovery	25.70	1.35					
26.00-26.45	U 73	84 blows							
26.50	D 74		26.30	4.10					
26.55-27.00	U 75	91 blows 420 mm rec	26.50	3.70					
27.05-27.25	U 76	94 blows	26.50	3.70					
27.55-28.00	U 77	101 blows 345 mm rec	27.10	4.20					
28.05-28.50	U 78	107 blows 410 mm rec	27.70	0.00					
28.55-29.00	U 79	84 blows	20/09/2010	3.15					
29.05	D 80		27.50	0.00					
29.05-29.50	U 81	91 blows	21/09/2010	2.80			29.05 m rare soft grey silty clay pockets		
29.55	D 82		27.50	0.00					
29.60-30.05	U NR	92 blows No recovery	28.70	0.00					
30.10-30.55	U 83	84 blows	29.00	0.00					
30.60	D 84		29.70	0.00					
30.70-31.15	U 85	79 blows	30.50	1.10					
31.20	D 86		31.00	0.70					
31.30-31.75	U 87	82 blows 300 mm rec	31.00	0.70					
31.50	D 88								
32.00-32.45	U 89	94 blows 350 mm rec	31.70	1.00					
32.55-33.00	U 90	95 blows 405 mm rec	32.00	0.75					
33.05-33.50	U 91	97 blows 310 mm rec	32.70	0.80					
33.55-34.00	U 92	89 blows 260 mm rec	33.00	0.90					
34.05-34.50	U NR	97 blows No recovery	33.00	0.90					
34.05-34.50	B 93		33.70	0.40		33.55 m occasional pockets of soft grey silty clay			
34.55-35.00	U 94	96 blows 320 mm rec	21/09/2010	0.65					
35.05-35.50	U 95	92 blows 210 mm rec	34.00	0.00					
35.55-36.00	U NR	87 blows No recovery	34.00	0.00					
35.55-36.00	B 96		22/09/2010	0.00					
36.05-36.50	U 97	110 blows 220 mm rec	34.00	0.00					
36.70-37.15	U 98	120 blows 280 mm rec	35.00	0.00					
37.35-37.80	U 99	118 blows 210 mm rec	36.10	0.00					
37.85-38.30	U NR	111 blows No recovery	37.00	0.00					
37.85-38.30	B 100					37.85-38.30 m slightly gravelly of subrounded fine to medium claystone			
38.55-39.00	U 101	117 blows 400 mm rec	38.00	0.00					
39.10	D 102		38.80	0.80					
39.15-39.60	U 103	114 blows 370 mm rec							
39.70	D 104		39.40	0.75					
39.80-40.25	U 105	111 blows 420 mm rec							
Depth	Type & No	Records	Date	Time	Stratum continues to 47.00 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling				
No.	Struck (m)	Post strike behaviour			From	to (m)				Depths (m)	Time	Tools used
										25.00 -25.50	60 mins	

Borehole Log



Drilled AD/PS	Start 16/09/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m	to 12.70m	Diameter 300mm	Casing Depth 12.75m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
Logged GA/ST	End 12/10/2010		12.70m	28.55m	250mm	28.55m	
Checked MT			28.55m	48.40m	200mm	48.40m	

Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
40.35	D 106				Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
40.45-40.90	U 107	98 blows 390 mm rec	40.00	0.00					
41.00-41.45	U NR	110 blows No recovery	40.50	0.00					
41.00-41.50	B 108								
41.50-42.00	U NR	107 blows No recovery	41.00	0.00					
41.55-42.00	B 109								
42.05-42.50	U 110	98 blows 110 mm rec	41.70	0.20					
42.55-43.00	U 111	115 blows 300 mm rec	42.00	0.00					
43.05-43.50	B 112								
43.50	U NR	113 blows No recovery	22/09/2010	0.75					
43.55-44.00	U 113	111 blows 270 mm rec	43.00	0.00					
44.15-44.60	U NR	98 blows No recovery	23/09/2010	0.80					
44.15-44.60	B 114		43.00	0.800					
44.80-45.25	U NR	84 blows No recovery	44.00	0.00					
44.80-45.25	B 115		44.20	0.00					
45.45-45.90	U NR	86 blows No recovery	45.00	0.00					
45.45-45.90	B 116								
46.00-46.45	U NR	82 blows No recovery	45.60	0.00					
46.00-46.45	B 117								
46.56-47.00	U 118	72 blows 100 mm rec	46.00	0.00					
					Stiff greyish brown slightly sandy CLAY. (LONDON CLAY A3ii)	47.00	-43.53		
47.90-48.35	U 119	88 blows 400 mm rec	47.70	0.00		(1.40)			
48.40	D 120		23/09/2010	1.10					
48.77-49.32	98 N/A	CS 121	01/10/2010	0.800	Firm to stiff greyish brown sandy to very sandy fissured CLAY. Fissures are subhorizontal closely spaced. (LONDON CLAY A3ii)	48.40	-44.93		
48.40-49.72	N/A		48.40	1.66					
		Flush: 48.40-51.22 mud, 80 %							
49.72-51.22	93 N/A								
						50.79-51.06 m 1 No 70 degree smooth fissure			
51.36-51.56		CS 122				51.12-51.22 m NO RECOVERY			
51.69-51.81	41 N/A	CS 123				51.56-51.81 m very strong black lignite horizons			
51.22-52.72	N/A					51.81-52.72 m NO RECOVERY. Foreman reports clay.			
52.99-53.42		CS 134							
52.72-54.22	100 N/A	Flush: 51.22-55.72 mud, 70 %				54.22-54.38 m NO RECOVERY			
54.52-54.72		CS 124							
54.22-55.72	89 N/A					55.37-55.41 m extremely weak black lignite nodule			(13.32)
56.14-56.53		CS 135							
55.72-57.22	86 N/A								
57.54-58.23		CS 136			57.40 m widely spaced fissure				
57.22-58.72	100 N/A								
58.23-58.72		CS 125							
58.72-59.23		CS 137							
58.72-59.23		Flush: 55.72-61.72 mud, 65 %							
59.23-59.84	100 N/A								
58.72-60.22	N/A								

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck (m) Post strike behaviour	From to (m)	Depths (m) Time Tools used
	48.40 98.62 Geobor S PCD Clam bit used.	

Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
60.22-61.72	67 N/A		CS 126			Firm to stiff greyish brown sandy to very sandy fissured CLAY. Fissures are subhorizontal closely spaced. (LONDON CLAY A3ii)	60.42-60.91 m NO RECOVERY		
61.32-61.72	N/A								
61.72-63.22	30 N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)	61.72 -58.25		
63.22-63.97	0 N/A			01/10/2010 03.22	0.00		62.68-63.18 m PARTIAL CORE RECOVERY.	(2.25)	
63.97-64.72	31 N/A		Flush: 61.72-66.97 mud, 60 % CS 127	02/10/2010 0800	1.82		63.18-63.22 m PARTIAL CORE RECOVERY.	63.97 -60.50	
64.49-64.67	17 N/A						64.49-64.72 m PARTIAL CORE RECOVERY.	(0.75)	
64.72-65.47	21 N/A					ZONE OF CORE LOSS. Foreman reports siltstone. (Probably LAMBETH GROUP)	64.72 -61.25		
65.47-66.22	0 N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)			
66.22-66.97	17 N/A						65.31-65.47 m PARTIAL CORE RECOVERY.	(2.41)	
66.97-67.72	79 N/A						66.84-66.87 m PARTIAL CORE RECOVERY.	67.13 -63.66	
67.41-67.69	0 N/A		Flush: 66.97-69.97 mud, 50 % CS 128			Brown silty SAND with horizons of grey fine grained sandstone up to 70mm in thickness. (LAMBETH GROUP - SAND)	67.72 -64.25		
67.72-68.47	0 N/A								
68.47-69.22	48 N/A					ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)			
69.22-69.97	0 N/A						68.86-69.22 m PARTIAL CORE RECOVERY.	(3.41)	
69.97-70.72	0 N/A		Flush: 69.97-70.72 mud, 40 %	02/10/2010 70.72	0.00		69.97-70.72 m PARTIAL CORE RECOVERY.		
70.72-71.57	52 N/A		Flush: 70.72-71.57 mud, 65 %	03/10/2010 70.72	1.82		70.72-71.57 m PARTIAL CORE RECOVERY.	71.13 -67.66	
71.57-72.22	100 N/A		CS 129			Brown silty fine to medium SAND. (LAMBETH GROUP - SAND)			
72.00-72.10	63 N/A							72.22-72.50 m NO RECOVERY	(3.75)
72.22-72.97	83 N/A						72.97-73.10 m NO RECOVERY		
72.97-73.72	87 N/A						73.72-73.82 m NO RECOVERY		
73.72-74.47	87 N/A						74.47-74.56 m NO RECOVERY		
74.60-75.22	88 N/A		Flush: 71.57-78.04 mud, 60 % CS 130				75.22-76.39 m NO RECOVERY	74.88 -71.41	
74.47-75.22	88 N/A								
75.22-76.72	22 N/A					Stiff grey CLAY. (LAMBETH GROUP - CLAY)			
76.72-77.29	88 N/A						76.39 m brown 76.69-76.72 m NO RECOVERY	(4.91)	
77.29-78.04	79 N/A						77.29-77.45 m NO RECOVERY		
78.05-78.50	100 N/A		CS 131	03/10/2010 78.04	0.00				
78.04-78.90	100 N/A				04/10/2010 78.04	1.82			
78.90-79.79	100 N/A								
						Stratum continues to 85.95 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for	Borehole CBH 2009_8U Sheet 4 of 6
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Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
79.79-81.12	98 N/A N/A					Very stiff greyish brown slightly sandy fissured CLAY. Fissures are subhorizontal closely to widely spaced. (LAMBETH GROUP - CLAY)			
81.12-81.60			CS 132						
81.12-82.62	100 N/A N/A						81.52-81.57 m 1 No 70 degree smooth planar fissure	(6.16)	
83.23-83.55	100 N/A N/A		CS 139						
82.62-84.12			CS 140						
83.70-84.05			CS 133						
84.12-84.60							84.25 m light greyish brown horizon		
84.12-85.65	100 N/A N/A						85.40-85.52 m 1 No 80 degree smooth planar fissure	85.95 -82.48	
85.65-87.12	20 0 0			04/10/2010 0.00 07.12 0800 05/10/2010 0.33 87.12			Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK)		
87.12-87.87	0 0 0						85.52-85.70 m 1 No subvertical fissure		
87.87-88.62	0 0 0								
88.62-89.37	0 0 0								
89.37-90.12	0 0 0								
90.12-90.87	0 0 0								
90.87-91.62	0 0 0		Flush: 87.12-95.37 mud, 80 %						
91.62-92.37	0 0 0								
92.37-93.12	0 0 0								
93.12-93.87	0 0 0					93.12-95.37 m foreman reports green/grey returns			
93.87-94.62	0 0 0								
94.62-95.37	0 0 0								
95.37-96.12	0 0 0								
96.12-96.87	0 0 0		Flush: 95.37-97.62 mud, 60 %				(22.52)		
96.87-97.62	0 0 0								
97.62-98.62	0 0 0		Flush: 97.37-98.62 mud, 50 %						
98.62-99.37	0 0 0			05/10/2010 0.00 06.62 0800 06/10/2010 0.23 98.62					
99.37-100.12	0 0 0		Flush: 98.62-100.12 mud, 75 %						
				06/10/2010					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 108.47 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)		Depths (m)	Time	Tools used
					98.62	120.00	Geobor S surface set 7 step bit used.			

Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests				Strata			Description (Continued from Sheet 5)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water							
100.12-100.57			SPT S N=122 (5,12/34,28,28) SW= 880	07/10/2010	0800	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK)						
100.12-101.62	0 0 0			07/10/2010	0800							
101.62-102.62	0 0 0					101.62-102.17 m shelby sample attempted. (NO RECOVERY)						
102.62-103.62	0 0 0					102.62-103.17 m shelby sample attempted. (NO RECOVERY)						
103.62-105.12	0 0 0					103.62-104.52 m PARTIAL CORE RECOVERY. U70 - structureless chalk composed of greyish white slightly sandy slightly gravelly SILT. Gravel is extremely weak of fine grained chalk						
105.12-106.62	0 0 0			07/10/2010	0.35	105.12-105.78 m PARTIAL RECOVERY. U70 - structureless chalk composed of greyish white sandy clay						
106.62-108.12	0 0 0			08/10/2010	0800	106.62-107.26 m PARTIAL CORE RECOVERY. U70 - structureless chalk composed of greyish white sandy clay						
108.12-108.87	53 17 0			08/10/2010	1.14	108.12-108.87 m Weak, low to medium density greyish white CHALK. Fractures are subhorizontal, closely spaced, clean. (WHITE CHALK A3)			08.47	-105.00		
108.87-109.62	61 28 0			106.62	0.00	108.87-109.62 m recovered as sandy slightly gravelly clay. Gravel is partially rinded flint up to 60mm in size			(4.90)			
109.62-110.37	0 0 0		Flush: 100.12-120.00 mud, 80 %	08/10/2010	0800	109.62-110.37 m drilling induced NI						
110.37-111.12	91 59 0			106.62	0.46	110.37-111.12 m drilling induced NI						
111.12-111.87	35 0 0					111.12-111.87 m drilling induced NI						
111.87-112.62	0 0 0					111.87-112.62 m drilling induced NI						
112.62-113.37	52 0 0					112.62-113.37 m drilling induced NI						
113.37-114.87	0 0 0					113.37-114.87 m ZONE OF CORE LOSS. Foreman reports chalk. (Probably CHALK)			13.37	-109.90		
114.87-115.62	17 5 0					114.87-115.62 m drilling induced de-structured containing partially rinded flint up to 50mm in size			(3.08)			
115.62-116.37	0 0 0					115.62-116.37 m drilling induced de-structured with partially rinded flints up to 40mm in size			16.45	-112.98		
116.37-117.12	89 89 75					116.37-117.12 m Weak, medium density white CHALK. Fractures are subhorizontal, closely spaced, clean. (WHITE CHALK A3)			(0.67)			
117.12-117.87	0 0 0					117.12-117.87 m drilling induced de-structured with partially rinded flints up to 1 No subvertically undulose, clean fracture			17.12	-113.65		
117.87-118.62	0 0 0					117.87-118.62 m ZONE OF CORE LOSS. Foreman reports chalk. (Probably CHALK)			(2.88)			
118.62-119.20	0 0 0			11/10/2010	0.00	118.62-119.20 m PARTIAL CORE RECOVERY. weak medium density white chalk						
119.20-120.00	0 0 0			12/10/2010	0.55	119.20-120.00 m PARTIAL CORE RECOVERY. weak medium density white chalk						
EXPLORATORY HOLE ENDS AT 120.00 m												

Groundwater Entries	No. Struck	Post strike behaviour	Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used

Borehole Log



Drilled AD Logged EM/SS Checked MT		Start 29/09/2010 End 07/10/2010		Equipment, Methods and Remarks Dando 175 Cable percussion boring.		Depth from 0.00m 11.60m 28.50m 52.25m		to 11.60m 28.50m 52.25m 55.10m		Diameter 300mm 250mm 200mm 150mm		Casing Depth 11.60m 28.50m 52.25m 55.10m		Ground Level Coordinates National Grid Chainage	
														+9.81 mOD E 647021.04 N 264605.60	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/Instruments			
		0.00-1.20 m Hand excavated inspection pit.			Fine SAND. (Foreman's description) (Possibly MADE GROUND)					(0.70)					
1.20-1.65	U 1	38 blows 420 mm rec		dry	Orangish brown slightly silty SAND. (Possibly MADE GROUND)					0.70 +9.11					
1.70	D 2														
1.75-2.20	U 3	41 blows 410 mm rec		dry						(1.60)					
2.25	D 4														
2.30-2.75	U 5	47 blows 370 mm rec		1.20	Orangish brown slightly silty slightly gravelly SAND. Gravel is angular fine to coarse of flint. (Possibly CRAG DEPOSITS)					2.30 +7.51					
2.80	D 6														
2.85-3.30	U 7	46 blows	29/09/2010	1.20						(1.70)					
3.35	D 8		30/09/2010	2.10											
3.55-4.00	U 9	42 blows	30/09/2010	0800											
4.05-4.50	U 11	41 blows	3.00		Orangish brown silty SAND. (CRAG DEPOSITS)					4.00 +5.81					
4.05	D 10		3.40												
4.55	D 12		3.80												
4.60-5.05	U 13	46 blows	4.30												
5.10	D 14		4.30												
5.20-5.65	U 15	48 blows	4.30												
5.70	D 16		4.30		5.70 m locally slightly clayey										
5.80-6.25	U 17	61 blows	4.30												
6.30	D 18		4.30												
6.35-6.80	U 19	52 blows	4.30												
6.85	D 20		4.30												
6.90-7.35	U 21	51 blows	4.30												
7.40	D 22		4.30												
7.55-8.00	U 23	47 blows 420 mm rec	4.30							(7.00)					
8.05	D 24		4.30												
8.10-8.55	U 25	51 blows	4.30												
8.60	D 26		4.30												
8.65-9.10	U 27	52 blows	4.30												
9.15	D 28		4.30												
9.25-9.70	U 29	41 blows	4.30												
9.75	D 30		4.30												
9.95-10.40	U 31	42 blows	4.30												
10.45	D 32		4.30												
10.55-11.00	U NR	19 blows No recovery	4.30												
10.55-11.00	B 33		4.30												
11.05-11.50	U 34	18 blows 400 mm rec	4.30		Dark orange brown to reddish brown silty SAND. (CRAG DEPOSITS)					11.00 -1.19					
11.55	D 35		19.30	9.10						(1.00)					
11.60-12.05	U 36	22 blows 350 mm rec	12.00	1.10	Orangish brown silty SAND. (CRAG DEPOSITS)					12.00 -2.19					
12.10	D 37		12.70	0.75											
12.20-12.65	U 38	32 blows 360 mm rec	30/09/2010	2.35	12.70 m occasional shell fragments					(2.00)					
12.70	D 39		13.00	0800											
12.80-13.20	U 40	41 blows	01/10/2010	3.18											
13.25	D 41		13.00	3.18											
13.55-14.00	U 42	44 blows 370 mm rec	13.00	1.10	Dark orange brown slightly silty SAND. (CRAG DEPOSITS)					14.00 -4.19					
14.10	D 43		14.00	0.00											
14.15-14.60	U 44	61 blows	14.50	0.00											
14.80	D 45		15.40	0.00											
14.95-15.50	U 46	63 blows 300 mm rec	15.40	0.00	15.45 m slightly gravelly. Gravel is subangular fine of mudstone and siltstone.					(5.20)					
15.45	D 47		16.00	1.00											
15.55-16.00	U 48	71 blows	16.30	0.70											
16.10	D 49		17.70	0.50											
16.25-16.70	U 50	71 blows 410 mm rec	18.00	0.00											
16.75	D 51		18.00	0.00											
16.80-17.25	U 52	67 blows 420 mm rec	18.00	0.00											
17.30	D 53		19.00	0.10											
17.45-17.90	U 54	72 blows	19.00	0.10	Dark orangish brown slightly silty fine					19.20 -9.39					
18.00	D 55														
18.05-18.50	U 56	76 blows 380 mm rec													
18.55-19.00	U 57	66 blows 420 mm rec													
19.10	D 58														
19.20-19.65	U NR	69 blows No recovery													
19.70-20.15	B 59														
Stratum continues to 26.75 m															
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *					Chiselling					
No.	Struck	Post strike behaviour (m)			From to (m)					Depths (m)	Time	Tools used			
None observed (see Key Sheet)					0.00 55.10 2. No U100 Hammer weights used,										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole					
Scale 1:100					Project No. A0012-10					CBH 2009_9U					
(c) Soil Mechanics www.soil-mechanics.com					Carried out for NNB Generation Company Limited					Sheet 1 of 3					

Borehole Log



Drilled AD Logged EM/SS Checked MT		Start 29/09/2010 End 07/10/2010		Equipment, Methods and Remarks Dando 175 Cable percussion boring.		Depth from 0.00m 11.60m 28.50m 52.25m		to 11.60m 28.50m 52.25m 55.10m		Diameter 300mm 250mm 200mm 150mm		Casing Depth 11.60m 28.50m 52.25m 55.10m		Ground Level Coordinates National Grid Chainage		+9.81 mOD E 647021.04 N 264605.60	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level (Thickness)	Legend	Backfill/ Instruments					
20.25-20.70	U 60	68 blows 380 mm rec	20.00	0.00	to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					(7.55)							
20.90-21.35	U 61	74 blows 380 mm rec	20.70	0.60													
21.50-21.95	U 62	66 blows 380 mm rec	21.40	0.60													
22.05-22.50	U 63	71 blows 380 mm rec	22.00	0.70													
22.60-23.05	U 64	73 blows 420 mm rec	22.00	0.70													
23.20-23.65	U 65	71 blows 360 mm rec	23.00	3.18													
23.80-24.25	U 66	72 blows 350 mm rec	23.00	3.18													
24.40-24.85	U 67	70 blows 390 mm rec	24.20	3.18													
25.00-25.45	U 68	74 blows	24.90	3.18													
25.50-26.00	U 70	71 blows 400 mm rec	25.30	0.00									25.50 m soft slightly sandy slightly gravelly clay. Gravel is angular to subangular fine or mudstone.				
26.05	D 71	73 blows No recovery	26.00	0.00													
26.15-26.60	U NR																
26.15-26.60	B 72																
26.75	D 73																
27.00-27.45	U 74	82 blows 320 mm rec	26.80	0.00													
27.55-28.00	U 75	84 blows	27.40	0.00													
28.05-28.50	U 76	87 blows	27.40	3.18													
28.55-29.00	U 77	79 blows	27.40	3.18													
29.05-29.50	U 78	71 blows 240 mm rec	28.20	3.11	Dark orangish brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)					28.05 -18.24							
29.55-30.00	U 79	77 blows 380 mm rec	29.20	2.10													
30.05-30.50	U 80	76 blows 300 mm rec	29.70	0.00													
30.55-31.00	U 81	78 blows 320 mm rec	30.20	1.00													
31.05-31.50	U 82	82 blows 350 mm rec	30.70	0.00													
31.55-32.00	U 83	79 blows 230 mm rec	30.70	3.24													
32.20-32.65	U 84	84 blows 320 mm rec	32.00	0.00													
32.70-33.15	U 85	82 blows 230 mm rec	32.40	0.00													
33.25-33.70	U NR	91 blows No recovery	33.00	0.00													
33.25-33.70	B 86												32.70 m grey				
33.80-34.25	U 87	94 blows 230 mm rec	33.60	0.00													
34.40-34.85	U 88	102 blows 200 mm rec	34.20	0.00													
35.00-35.45	U NR	97 blows No recovery	34.70	0.00													
35.00-35.50	B 89																
35.60-36.05	U 90	121 blows 300 mm rec	35.40	0.00													
36.20-36.45	U NR	124 blows No recovery	36.00	0.00													
36.85-37.30	U 92	122 blows 330 mm rec	36.60	0.00													
37.45-37.90	U NR	108 blows No recovery	37.20	0.00													
37.45-37.90	B 93																
38.00-38.45	U 94	111 blows 280 mm rec	37.70	0.00													
38.55-39.00	U 95	120 blows 290 mm rec	35.10	0.00													
39.10-39.55	U NR	120 blows No recovery	39.00	0.00													
39.10-39.55	B 96																
39.65-40.10	U NR	123 blows No recovery	39.40	0.00													
39.65-40.10	B 97																
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.15 m												
Groundwater Entries				Depth sealed (m)		Depth Related Remarks *					Chiselling						
No. Struck Post strike behaviour (m)						From to (m)					Depths (m) Time Tools used						
None observed (see Key Sheet)																	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole						
Scale 1:100				Project No.		SITE A0012-10					CBH 2009_9U						
(c) Soil Mechanics www.soil-mechanics.com				Carried out for		NNB Generation Company Limited					Sheet 2 of 3						

Borehole Log



Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 11.60m Diameter 300mm Casing Depth 11.60m 28.50m 250mm 28.50m 52.25m 200mm 52.25m 55.10m 150mm 55.10m	Ground Level +9.81 mOD Coordinates E 647021.04 National Grid N 264605.60 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
40.15-40.50	B 98		04/10/2010	1.10	Dark orangish brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	40.15 -30.34			
			05/10/2010	0800			40.54 -30.73		
40.85-41.00	U 99	132 blows			Grey angular COBBLES of siltstone. (CRAG DEPOSITS)	(2.51)			
41.05-41.32	U NR	152 blows No recovery							
41.40-41.65	B 100				Dark grey silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	43.05 -33.24			
41.40-41.68	U NR	161 blows No recovery							
41.80-42.02	B 101				Very weak grey to greyish brown thinly laminated SILTSTONE. Recovered as slightly sandy angular gravel. (CRAG DEPOSITS)	(1.05)			
41.80-42.02	U NR	160 blows No recovery							
42.15-42.40	B 102				Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	44.10 -34.29			
42.15-42.40	U NR	165 blows No recovery							
42.55-42.80	B 103								
42.55-42.80	U NR	184 blows No recovery							
42.80-43.00	B 104								
43.05	U 105	210 blows 120 mm rec							
43.70-44.00	D 106								
44.10-44.30	U 107	192 blows 230 mm rec							
44.45-44.90	B 108								
44.45-44.90	U 109	151 blows 190 mm rec							
44.55-46.00	B 111								
45.00-45.40	U NR	171 blows No recovery							
45.00-45.45	B 110								
45.55-46.00	U NR	154 blows No recovery							
46.10-46.55	U 112	137 blows 40 mm rec							
46.70-47.15	U NR	124 blows No recovery							
46.70-47.15	B 113								
47.20	D 114								
47.25-47.70	U NR	72 blows No recovery							
47.25-47.70	B 115								
47.80-48.25	U NR	84 blows No recovery			Very stiff brown silty CLAY. (LONDON CLAY)	52.45 -42.64			
47.80-48.25	B 116								
48.30-48.75	U NR	76 blows No recovery							
48.30-48.75	B 117								
48.90-49.35	U NR	64 blows No recovery							
48.90-49.35	B 118								
49.45-49.90	U NR	67 blows No recovery							
49.45-49.90	B 119								
50.00-50.33	U NR	126 blows No recovery							
50.00-50.40	B 120								
50.55-51.00	U NR	132 blows No recovery							
50.55-51.00	B 121								
51.10-51.55	U NR	148 blows No recovery							
51.10-51.55	B 122								
51.60-52.05	U NR	157 blows No recovery							
51.60-52.05	B 123								
52.25-52.70	B 124								
52.25-52.70	U NR	171 blows No recovery							
52.75-53.20	U 125	38 blows							
53.25	D 126								
53.45-53.90	U NR	46 blows No recovery							
54.00	D 128								
54.05-54.50	U 129	57 blows 330 mm rec							
54.55-55.00	U 130	60 blows							
55.10	D-131				EXPLORATORY HOLE ENDS AT 55.10 m	55.10 -45.29			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 40.15 -40.50 60 mins 43.05 -43.66 75 mins 44.10 -44.30 30 mins
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Borehole Log



Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/Instruments		
Depth	Type & No	Records	Date Casing	Time Water	Description					
0.40-0.60	D 1	0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)	0.10 +6.02				
0.40-0.60	B 2				(0.50)					
0.60-0.80	B 3				(0.30)					
0.90-1.20	D 4				(0.30)					
1.20-1.70	90 N/A	Flush: 1.20-1.70 Water/Mud, 100 %	20/08/2010	0800	Brownish red sandy GRAVEL of angular to subangular fine to coarse mixed lithologies including limestone. (MADE GROUND)	1.20-1.25 m NO RECOVERY				
	N/A				1.70-2.75 m NO RECOVERY					
1.70-3.20	30 N/A	CS 5	20/08/2010	1800	Orangish brown sandy GRAVEL of angular to subrounded fine to coarse mixed lithologies including limestone with occasional fragments of brick. (MADE GROUND)	(2.30)				
2.75-3.20	N/A									
3.20-4.70	0 N/A	ZONE OF CORE LOSS. Foreman reports sandy gravel of angular fragments of brick (Possibly MADE GROUND)			Yellowish brown slightly gravelly SAND. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and occasional fragments of concrete. (MADE GROUND)	3.20 +2.92				
4.70-6.20	0 N/A				(3.95)					
6.20-7.70	37 N/A				CS 6	7.70-7.75 m NO RECOVERY	Brown and reddish brown gravelly fine to medium SAND. Gravel is angular to subangular fine to coarse of brick, flint and quartzite. (MADE GROUND)	7.15 -1.04		
7.15-7.70	N/A							(0.55)		
7.70-8.45	93 N/A	ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)			8.45-9.20 m NO RECOVERY	7.70 -1.59				
8.45-9.20	0 N/A				(1.75)					
9.20-9.70	100 N/A				CS 7	9.70-9.80 m NO RECOVERY	Orangish brown and yellowish brown slightly silty gravelly fine to medium SAND. Gravel is subrounded fine to medium of flint. (Possibly CRAG DEPOSITS)	9.45 -3.34		
9.70-10.20	N/A							(1.25)		
10.25-10.70	100 N/A	Reddish brown silty fine to medium SAND with occasional soft grey silty clay bands. (Possibly CRAG DEPOSITS)			10.20-10.25 m NO RECOVERY	10.70 -4.59				
10.20-10.70	N/A									
10.70-11.20	100 N/A				CS 8	11.25-11.70 m PARTIAL CORE RECOVERY.	Grey and yellowish brown SAND with frequent fine to coarse gravel size shell fragments and occasional firm grey clay pockets less than 50mm in size. (CRAG DEPOSITS)	(2.50)		
11.20-11.70	N/A									
11.70-12.20	100 N/A	Grey slightly silty fine to medium SAND with rare fine to coarse gravel size shell fragments and rare firm grey silty clay bands. (CRAG DEPOSITS)			13.20 -7.09					
12.20-12.70	100 N/A									
12.70-13.20	100 N/A				CS 9	16.00-16.65 m NO RECOVERY	13.15-13.20 m PARTIAL CORE RECOVERY. Brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(4.70)		
13.20-14.15	60 N/A									
13.20-14.45	57 N/A	13.20-13.70 m NO RECOVERY			17.90 -11.78					
14.45-15.15	43 N/A									
15.15-16.65	63 N/A				CS 9	18.00-18.05 m claystone bands. 18.15-18.40 m NO RECOVERY	17.90 -11.78			
17.30-17.75	N/A									
16.65-18.15	83 N/A	19.65-19.90 m NO RECOVERY			(2.75)					
18.15-19.65	N/A									
18.15-19.65	83 N/A									
Depth	TSP ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.65 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 13.20 Geobor S surface set 7 step bit used. 13.20 16.65 S size TSP Saw Tooth bit used. 16.65 55.40 S size Cubic TSP bit used.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_10 Sheet 1 of 3
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Borehole Log



Drilled MA	Start 20/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m	to 6.00m	Diameter 198mm	Casing Depth 6.00m	Ground Level +6.12 mOD
Logged GA	End 01/09/2010		6.00m	55.40m	146mm	41.90m	Coordinates E 647088.46
Checked MT							National Grid N 263719.63

Samples and Tests						Strata			Ground Level		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	Chainage	
19.65-21.15 20.45-20.90	83 N/A N/A		CS 10			Grey slightly silty fine to medium SAND with rare fine to coarse gravel size shell fragments and rare firm grey silty clay bands. (CRAG DEPOSITS)	19.90-20.65 m frequent fine to coarse shell fragments. 20.90 m very thin soft grey silty clay band.	20.65	-14.53		
21.15-22.65	93 N/A N/A					Yellowish brown SAND with frequent medium gravel size shell fragments and occasional soft grey silty clay bands. (CRAG DEPOSITS)	21.10 m very thin soft grey silty clay band. 21.15-21.25 m NO RECOVERY 21.45-21.70 m very thin grey clay bands.	22.30	-16.18		
23.20-23.85 22.65-24.15	93 N/A N/A		CS 11			Yellowish brown occasionally stained dark reddish brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	22.10-22.15 m grey horizon. 22.65-22.75 m NO RECOVERY 24.15-24.50 m NO RECOVERY	23.20	-17.08		
24.50-24.70 24.15-25.65	77 N/A N/A		CS 16			Grey slightly silty fine to medium SAND with occasional thin clay laminations and rare very thin bands of claystone. (CRAG DEPOSITS)	24.50-24.70 m extremely weak grey claystone horizons.	24.15	-18.03		
26.20-26.80 25.65-27.15	93 N/A N/A		CS 12			Yellowish brown occasionally stained dark reddish brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	25.65-25.75 m NO RECOVERY	26.80	-20.68		
27.15-28.65	97 N/A N/A					Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	27.15-27.20 m NO RECOVERY 27.90 m black silty sand lamination less than 5mm in thickness.	30.45	-24.33		
28.65-30.15 29.65-30.15	93 N/A N/A		CS 13			Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	28.10-30.15 m occasional bands of fine to coarse gravel size shell fragments. 28.65-28.75 m NO RECOVERY	31.45	-25.33		
30.15-31.65	97 N/A N/A					Grey fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	31.65-32.05 m NO RECOVERY	33.00	-26.88		
31.65-33.15 32.55-33.15	73 N/A N/A		CS 14			Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	33.15-33.30 m NO RECOVERY	37.40	-31.28		
33.15-34.65	90 N/A N/A					Grey SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	34.15-34.25 m slightly clayey sand band. 34.45-34.50 m slightly clayey sand band. 34.65-34.80 m NO RECOVERY	37.40	-31.28		
34.65-35.15	100 N/A N/A						35.35-35.60 m slightly clayey fine to coarse sand				
35.55-36.15			CS 15				36.15-36.75 m NO RECOVERY				
35.15-37.40	29 N/A N/A										
37.00-37.40			CS 17								
37.40-38.90	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)					
38.90-39.65	40 N/A N/A						39.35-39.65 m PARTIAL CORE RECOVERY.				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 40.40 m					

Groundwater Entries			Depth Related Remarks *			Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used	
None observed (see Key Sheet)								

Borehole Log



Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)				
39.65-40.40	0 N/A					ZONE OF CORE LOSS. (CRAG DEPOSITS) Foreman reports sand and shells. (Probably CRAG DEPOSITS) 40.40-41.00 m NO RECOVERY		40.40	-34.28	
40.40-41.90	60 N/A					Greenish grey and grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)				
41.90-43.40	87 N/A		CS 18			41.90-42.10 m NO RECOVERY 42.35 m band of angular medium to coarse gravel of claystone.				
42.75-43.20	N/A					43.40-43.65 m NO RECOVERY				
43.40-44.90	83 N/A					44.00 m very thin stiff brownish grey clay band. 44.30 m very thin stiff brownish grey clay band.		(9.23)		
44.90-46.40	87 N/A					44.90-45.10 m NO RECOVERY				
46.40-47.90	87 N/A		CS 19			46.35 m very thin stiff brownish grey clay band. 46.40-46.60 m NO RECOVERY 47.30-47.35 m black silt horizon.				
47.45-47.90	N/A					47.90-48.30 m NO RECOVERY 48.30-48.45 m very thin occasional bands of stiff brownish grey silty clay.		49.63	-43.51	
47.90-49.40	73 N/A					49.40-49.55 m NO RECOVERY				
49.40-50.90	90 N/A		CS 20			Stiff to very stiff brown slightly sandy fissured CLAY. Fissures are closely spaced subhorizontal. (LONDON CLAY A1)				
50.45-50.90	N/A					52.25-52.40 m strong grey siltstone horizon.		(5.77)		
50.90-52.40	100 17 0					52.26-52.40 m 1 No subvertical rough undulose fracture				
52.40-53.90	87 N/A		CS 21			53.90-54.20 m NO RECOVERY				
53.35-53.80	N/A					EXPLORATORY HOLE ENDS AT 55.40 m		55.40	-49.28	
53.90-55.40	80 N/A									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled AD	Start 15/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m	to 7.00m	Diameter 300mm	Casing Depth 6.70m	Ground Level +8.72 mOD	
Logged PM	End 21/10/2010		7.00m	26.10m	250mm	26.10m	Coordinates E 647126.22	
Checked MT			26.10m	50.90m	200mm	47.04m	National Grid N 262801.23	
							Chainage	

Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.00-0.40	B 1A	* 0.00-1.20 m Hand excavated inspection pit.			Brown gravelly SAND. Gravel is subangular to rounded fine to coarse of flint with occasional mudstone and sandstone.		(0.40)		
0.20	D 2A				(MADE GROUND)		0.40 +8.32		
0.40-0.90	B 3A				Yellow brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint.		(0.60)		
0.50	D 4A				(Possibly MADE GROUND)		1.00 +7.72		
1.00-1.20	B 5A				Orange brown fine to medium SAND.		1.20 +7.52		
1.10	D 6A			(Possibly MADE GROUND)					
1.20-1.65	U 1	51 blows		dry	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone.				
1.70	D 2			dry	(Possibly MADE GROUND)				
1.75-2.20	U 3	61 blows		dry					
2.20	D 4			dry					
2.30-2.75	U 5	51 blows		dry					
2.80-3.25	U 6	54 blows		dry					
3.30	D 7			dry					
3.35-3.80	U 8	57 blows		dry					
3.80-4.25	U 9	48 blows		dry					
4.25-4.70	U 10	49 blows		dry					
4.75	D 11			dry					
4.80-5.25	U 12	82 blows		dry					
5.25-5.70	U 13	81 blows		dry					
5.75	D 14			dry					
5.80-6.25	U 15	84 blows		dry					
6.25-6.70	U 16	60 blows		dry					
6.70-7.15	U 17	61 blows		dry					
7.15-7.60	U 18	43 blows	7.00	1.10					
7.60-8.05	U 19	45 blows 370 mm rec	7.40	0.75					
			15/10/2010	0.75					
			7.40	0.800					
			16/10/2010	0.800					
			7.40						
8.80-9.25	U 20	48 blows 400 mm rec	8.50	2.25					
9.30-9.75	U 21	52 blows	9.00	1.15					
9.80-10.25	U NR	54 blows No recovery	9.50	0.00					
10.30-10.75	U 23	59 blows	10.00	0.00					
10.80-11.25	U 24	57 blows	10.50	0.00					
11.30-11.75	U 25	49 blows	11.00	0.60					
11.80-12.25	U 26	53 blows	11.60	0.75					
12.30-12.75	U 27	47 blows	12.00	0.00			(22.30)		
12.80	D 28		12.70	0.10					
12.85-13.30	U 29	49 blows	13.10	2.00					
13.33	D 30		13.10	2.00					
13.35-13.80	U 31	41 blows	13.60	0.00					
13.83	B 32		13.60	0.00					
13.85-14.30	U 33	40 blows 400 mm rec	14.20	0.00					
14.35-14.80	U 34	38 blows	14.60	0.10					
14.85-15.30	U 35	34 blows	15.10	0.40					
15.35-15.80	U 36	31 blows	15.70	0.55					
15.85	D 37		16/10/2010	2.35					
15.90-16.35	U 38	42 blows 400 mm rec	16.00	0.00					
16.40-16.85	U 39	44 blows 420 mm rec	16.00	0.800					
16.90-17.35	U 40	45 blows	17/10/2010	8.25					
17.40-17.85	U 41	59 blows 400 mm rec	16.00	0.00					
17.90-18.35	U 42	67 blows	17.10	0.00					
18.40-18.85	U 43	77 blows	17.70	0.00					
18.90-19.35	U 44	79 blows	18.20	0.00					
19.50-19.95	U 45	86 blows 420 mm rec	18.70	0.00					
			19.25	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 23.50 m				

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck	Post strike behaviour	Depth sealed	From	to (m)	Depths (m)	Time	Tools used
		None observed (see Key Sheet)	(m)	0.00	30.00	8.10 - 8.77	90 mins	
				1 No. U100 Hammer weight used.				
				7.00 Water added to assist boring.				

Borehole Log



Drilled AD Logged PM Checked MT		Start 15/10/2010 End 21/10/2010		Equipment, Methods and Remarks Dando 175 Cable percussion boring.		Depth from 0.00m 7.00m 26.10m 50.90m		to 7.00m 26.10m 50.90m 56.70m		Diameter 300mm 250mm 200mm 150mm		Casing Depth 6.70m 26.10m 47.04m 56.45m		Ground Level +8.72 mOD Coordinates E 647126.22 N 262801.23									
Samples and Tests														Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)								Depth, Level / (Thickness)	Legend	Backfill/ Instruments								
20.00-20.45	U 46	94 blows	19.25	0.00	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone. (Possibly MADE GROUND)																		
20.50-21.00	U 47	107 blows 440 mm rec	20.40	0.00																			
21.05-21.50	U 48	112 blows 370 mm rec	20.60	0.00																			
21.55-22.00	U 49	97 blows	21.30	0.00																			
22.05-22.50	U 50	107 blows 370 mm rec	21.75	0.00																			
22.50-23.00	U 51	96 blows 320 mm rec	22.30	0.00																			
23.05-23.50	U 52	92 blows	22.90	0.00																			
23.55-24.00	U 53	90 blows	22.90	0.00																			
24.05-24.50	U 54	82 blows 410 mm rec	24.00	2.40									Brownish orange, locally dark reddish brown, slightly silty SAND with occasional fine gravel sized shell fragments. (Possibly CRAG DEPOSITS)								23.50	-14.78	
24.55-25.00	U 55	76 blows 410 mm rec	24.00	0.800																			
25.05-25.50	U 56	90 blows 370 mm rec	24.20	2.00																			
25.55-26.00	U 57	81 blows 350 mm rec	25.10	2.00																			
26.05-26.50	U 58	77 blows 410 mm rec	25.90	2.00																			
26.55-27.00	U NR	71 blows No recovery	26.10	2.00																			
26.55-27.00	B 59																						
27.05-27.50	U 60	74 blows 402 mm rec	26.70	0.00																			
27.55-28.00	U 61	70 blows 400 mm rec	27.20	0.75																			
28.05-28.50	U 62	84 blows 390 mm rec	27.70	0.60																			
28.70	B 63		28.60	0.40	Greyish brown slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)								28.70	-19.98									
28.75-29.20	U 64	81 blows																					
29.35-29.80	U NR	79 blows No recovery	29.00	0.35																			
29.35-29.80	B 65																						
30.00-30.45	U 66	72 blows 300 mm rec	29.80	0.800																			
30.55-31.00	U NR	68 blows No recovery	29.80	0.00																			
30.55-31.00	B 67																						
31.05-31.50	U 68	71 blows 400 mm rec	30.40	0.00																			
31.55-32.00	U 69	64 blows 200 mm rec	31.40	0.00																			
32.10	D 70		32.00	0.00																			
32.20	U 71	69 blows																					
32.70-32.92	U NR	124 blows No recovery	32.40	0.60																			
32.70-33.40	B 72																						
33.00-33.21	U NR	119 blows No recovery	32.70	0.70																			
33.55-34.00	U NR	122 blows No recovery	33.30	0.40																			
33.55-34.00	B 73																						
34.05-34.50	U 74	107 blows 400 mm rec	34.10	1.20																			
34.55-35.00	U 75	92 blows 220 mm rec	34.20	0.00																			
35.05-35.50	U 76	89 blows 300 mm rec	34.90	0.00																			
35.55-36.00	U 77	82 blows 200 mm rec	35.20	0.00																			
36.10-36.55	U NR	79 blows No recovery	36.00	0.00																			
36.10-36.55	B 78																						
36.65-37.10	U NR	82 blows No recovery	36.40	0.65																			
36.65-37.10	B 79																						
37.20-37.65	U 80	72 blows 200 mm rec	37.00	0.70																			
37.80-38.25	U NR	66 blows No recovery	37.40	0.80																			
37.80-38.25	B 81																						
38.40-38.85	U 82	71 blows 250 mm rec	38.00	0.90																			
39.00-39.45	U 83	82 blows 200 mm rec	38.50	0.60																			
39.55-40.00	U 84	78 blows 350 mm rec	39.00	0.800																			
			39.30	0.00																			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 41.55 m																		
Groundwater Entries					Depth Related Remarks *								Chiselling										
No.	Struck	Post strike behaviour	Depth sealed (m)	From to (m)	30.00 56.70 2 No. U100 Hammer weights used.								Depths (m)	Time	Tools used								
None observed (see Key Sheet)													32.70 -33.40	105 mins									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL								Borehole										
Scale 1:100					Project No. A0012-10								CBH 2009_11U										
(c) Soil Mechanics www.soil-mechanics.com					Carried out for NNB Generation Company Limited								Sheet 2 of 3										

Borehole Log



Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
40.05-40.50	U 85	79 blows 350 mm rec	40.00	0.70	Greyish brown slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
40.55-41.00	U NR B 86	81 blows No recovery	40.00	0.70						
41.05-41.50	U NR B 87	83 blows No recovery	41.00	0.60	Blueish grey slightly sandy silty CLAY. (CRAG DEPOSITS)	41.55	-32.83			
41.55-42.00	U 88 B 93	51 blows 405 mm rec	41.30	0.00			(1.75)			
42.00	D 89	49 blows	42.00	0.00	Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	43.30	-34.58			
42.10-42.55	U 90		47 blows	42.60		0.00		(1.25)		
42.65	D 91	41 blows	43.00	0.30	Grey sandy CLAY. (CRAG DEPOSITS)	44.55	-35.83			
42.70-43.15	U 92		41 blows	43.70		0.40		(0.55)		
43.20	D 94	40 blows 410 mm rec	44.20	0.35	Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	45.10	-36.38			
43.30-43.75	U 95		45.00	0.00			(1.35)			
43.30-45.00	B 100	38 blows 160 mm rec	45.70	1.10	Grey sandy CLAY. (CRAG DEPOSITS)	46.45	-37.73			
43.85	D 96		46.00	0.00			(0.45)			
43.95-44.40	U 97	72 blows 350 mm rec	46.70	1.10	Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	46.90	-38.18			
44.50-45.00	U 99	81 blows	47.00	1.10			(0.65)			
44.50	D 98	No recovery	47.00	1.10	Grey silty sandy CLAY. (CRAG DEPOSITS)	47.55	-38.83			
45.10-45.55	U 101		92 blows 340 mm rec	47.00		1.10		(1.55)		
45.75	D 102	111 blows 250 mm rec	47.00	1.00	Grey silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	49.10	-40.38			
45.90-46.35	U 103		97 blows 200 mm rec	47.00		0.00		(7.10)		
46.45-46.90	U NR B 104	121 blows No recovery	47.00	0.00	Greyish brown slightly sandy CLAY. Sand is fine. (LONDON CLAY - A3ii)	56.20	-47.48			
47.05-47.50	U 105	124 blows	47.00	0.00			(0.50)			
47.55-48.00	U 106	120 blows No recovery	47.86	0.00	EXPLORATORY HOLE ENDS AT 56.70 m	56.70	-47.98			
48.05-48.24	U NR D 108	120 blows No recovery	50.90	0.80						
48.27	D 108	120 blows No recovery	21/10/2010	0.80						
48.35-48.80	U 107	140 blows No recovery	47.00	0.00						
48.90	D 109	156 blows No recovery	51.10	0.00						
49.00-49.45	U 110	150 blows No recovery	51.10	0.00						
49.50	D 111	160 blows No recovery	51.60	0.00						
49.55-50.00	U 112	165 blows 210 mm rec	52.00	0.00						
50.05-50.50	U NR B 113	114 blows 160 mm rec	52.30	0.00						
50.55-51.00	U 114	139 blows No recovery	52.75	0.00						
50.55-51.00	B 115	120 blows No recovery	52.75	0.00						
51.05-51.30	U NR B 116	120 blows No recovery	53.05	0.00						
51.05-51.30	B 116	120 blows No recovery	53.05	0.00						
51.36-51.60	U NR B 117	120 blows No recovery	53.55	0.00						
51.36-51.60	B 117	120 blows No recovery	53.55	0.00						
51.65-51.77	U NR B 118	140 blows No recovery	54.00	0.00						
51.65-51.77	B 118	140 blows No recovery	54.00	0.00						
51.85-52.12	U NR B 119	156 blows No recovery	54.55	0.00						
51.85-52.12	B 119	150 blows No recovery	54.55	0.00						
52.30-52.60	U NR B 120	120 blows No recovery	54.70	0.00						
52.30-52.60	B 120	120 blows No recovery	54.70	0.00						
52.75-52.94	U NR B 121	120 blows No recovery	55.20	2.20						
52.75-52.94	B 121	120 blows No recovery	55.20	2.20						
53.05-53.40	U NR B 122	84 blows 200 mm rec	56.00	1.80						
53.05-53.40	B 122	40 blows No recovery	56.00	1.90						
53.55-53.82	U 123	100 blows No recovery	21/10/2010	1.70						
54.00-54.45	U 124	100 blows No recovery	56.45	1.70						
54.55-55.00	U NR B 125	84 blows 200 mm rec	56.31	2.20						
54.55-55.00	B 125	40 blows No recovery								
55.00-55.45	U NR B 126	40 blows No recovery								
55.00-55.45	B 126	40 blows No recovery								
55.55-56.00	U NR B 127	40 blows No recovery								
55.55-56.00	B 127	40 blows No recovery								
56.10-56.50	U 128	84 blows 200 mm rec	56.00	1.80						
56.10-56.14	U NR B 130	40 blows No recovery	56.00	1.90						
56.14-56.50	B 130	40 blows No recovery	21/10/2010	1.90						
56.56-56.70	U NR D 129	100 blows No recovery	56.45	1.70						
56.56	D 129	100 blows No recovery	56.31	2.20						

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)		56.14 -56.20 20 mins

Borehole Log



Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.50 m Hand excavated inspection pit.			SAND. (Foreman's description) (MADE GROUND)	(1.50)		
1.50-3.00	100 N/A N/A		09/12/2010	0800	Brown slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies. (MADE GROUND)	1.50 +0.00 (1.35)		
3.00-4.50	0 N/A N/A		09/12/2010	1800	Brown occasionally grey slightly gravelly locally gravelly SAND with rare medium gravel size shell fragments and fragments of wood up to 2mm x 50mm in size. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	(1.50)		
4.50-6.00	100 N/A N/A		11/12/2010	0800	ZONE OF CORE LOSS. (Possible MADE GROUND)	4.50 -3.00 (0.85)		
6.00-7.50	100 N/A N/A				Brown occasionally grey slightly gravelly locally gravelly SAND with rare medium gravel size shell fragments and fragments of wood up to 2mm x 50mm in size. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	5.35 -3.85 5.60 -4.10 6.00 -4.50		
7.50-9.00	100 N/A N/A				Dark brown spongy amorphous to locally pseudo-fibrous PEAT with strong organic odour. (RECENT DEPOSITS)	(1.35)		
9.00-10.50	93 N/A N/A				Soft blueish grey organic CLAY thinly laminated with amorphous and pseudo-fibrous peat. Slight organic odour. (RECENT DEPOSITS)	7.35 -5.85 (0.50) 7.85 -6.35		
10.50-12.00	0 N/A N/A				Dark brown occasionally black spongy pseudo-fibrous, locally firm amorphous PEAT. (RECENT DEPOSITS)	(1.15)		
12.00-13.50	100 N/A N/A		11/12/2010	1800	Black firm amorphous, locally spongy pseudo-fibrous PEAT. (RECENT DEPOSITS)	9.00 -7.50 (0.80) 9.80 -8.30		
13.50-15.00	93 N/A N/A		12/12/2010	0800	Grey silty fine to medium SAND with rare partings of black slightly clayey sand. (Possible RECENT DEPOSITS)	10.50 -9.00 (0.70)		
15.00-16.50	93 N/A N/A				Dark grey silty fine to medium SAND. (Possible RECENT DEPOSITS)	12.00 -10.50 (0.40) 12.40 -10.90		
16.50-18.00	0 N/A N/A				Yellowish brown fine to medium silty SAND. (Possible RECENT DEPOSITS)	(2.05)		
18.00-19.50	87 N/A N/A				Greenish grey locally yellowish brown silty fine to medium SAND with rare	14.45 -12.95 (1.65)		
					Yellowish brown silty gravelly fine to medium SAND with occasional medium gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. (Possible RECENT DEPOSITS)	16.10 -14.60 (0.40) 16.50 -15.00		
					Greenish grey locally yellowish brown silty fine to medium SAND with rare	(1.50)		
						18.00 -16.50 (1.70)		
						19.70 -18.20 (0.30)		

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)	1.50 66.00 U86 Sonic core barrel used.	

Borehole Log



Drilled P/J/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
19.50-21.00	100 N/A N/A					12.40m - 14.45m : medium gravel size shell fragments. (CRAG DEPOSITS)	20.00 -18.50 (1.30)			
21.00-22.50	100 N/A N/A					14.45m - 16.10m : Greyish brown slightly silty SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	21.30 -19.80 (2.10)			
22.50-24.00	90 N/A N/A					16.10m - 16.50m : Orangish brown slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	22.77-23.02 m rare fine gravel size shell fragments	23.40 -21.90 (1.00)		
24.00-25.50	83 N/A N/A					16.50m - 18.00m : ZONE OF CORE LOSS. SAND. (Foreman's description) (Possible CRAG DEPOSITS)	23.02-23.20 m occasional medium gravel size shell fragments	24.40 -22.90		
25.50-27.00	100 N/A N/A			12/12/2010 1800 27.00 13/12/2010 0800 27.00		18.00m - 19.70m : Grey slightly silty fine to medium SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	23.45 m frequent medium gravel size shell fragments 23.50-23.85 m silty 23.85-24.00 m NO RECOVERY 24.00-24.25 m NO RECOVERY 24.25-24.55 m occasional fine to coarse gravel size shell fragments	24.40 -22.90 (4.10)		
27.00-28.50	40 N/A N/A					Grey slightly silty fine to medium SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	25.25-26.25 m frequent medium to coarse gravel size shell fragments	28.50 -27.00 (1.50)		
28.50-30.00	83 N/A N/A					Grey slightly silty fine to medium SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	25.25-26.80 m occasional fine to coarse gravel size pockets of greenish grey very silty sand	30.00 -28.50 (1.70)		
30.00-31.50	100 N/A N/A					Greenish grey slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	25.50-26.25 m occasional fine to coarse gravel size pockets of grey and brown silty clay	31.70 -30.20 (2.70)		
31.50-33.00	93 N/A N/A					Grey slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	25.60 m 1 No cobble size pockets of grey silty clay	31.70 -30.20		
33.00-34.50	100 N/A N/A					Blueish grey, locally brown silty fine to medium SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	27.00-27.90 m NO RECOVERY 27.90-28.20 m rare medium gravel size shell fragments	34.40 -32.90 (1.60)		
34.50-36.00	100 N/A N/A					Grey locally bluish grey slightly gravelly silty SAND. Gravel is subangular to subrounded fine to medium of mixed lithologies. (CRAG DEPOSITS)	28.20-28.50 m frequent medium gravel size shell fragments 28.50-28.75 m NO RECOVERY 31.50-31.60 m NO RECOVERY	36.00 -34.50 (0.55)		
36.00-37.50	100 N/A N/A					Grey locally bluish grey slightly silty SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)	31.60 m 2 No coarse gravel size cemented pockets of fine to coarse sand and shell fragments	36.55 -35.05 (2.45)		
37.50-39.00	100 N/A N/A					Grey locally brown slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	32.40-32.50 m silty 32.50-32.90 m blueish grey very silty sand 35.45-36.00 m blueish grey	39.00 -37.50		
						Blueish grey slightly silty SAND with frequent fine to medium, locally coarse gravel size shell fragments.				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.16 m				

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)	39.00 42.00 Foreman reports casing dropped into borehole	

Borehole Log



Drilled P/J/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
39.00-42.00	0 N/A N/A					36.55m - 39.00m : (CRAG DEPOSITS) 39.00m - 42.16m : ZONE OF CORE LOSS. (Possible CRAG DEPOSITS)	(3.16)				
42.00-45.00	95 N/A N/A			13/12/2010 14/12/2010	1800 0800	Blueish grey slightly silty SAND with frequent fine to medium, locally coarse gravel size shell fragments. (CRAG DEPOSITS) Stiff fissured greyish brown slightly sandy CLAY. Sand is fine to medium. (LONDON CLAY A3ii)	42.16 -40.66 43.33 -41.83	(1.17) (1.67)			
45.00-46.50	100 N/A N/A			14/12/2010	0800	Stiff brown and grey slightly sandy CLAY with randomly spaced dark blueish grey laminations and medium to coarse gravel size pockets of silty clay. Sand is fine to medium. (LONDON CLAY A3ii)	43.43 -42.66	(6.00)			
46.50-48.00	100 N/A N/A					occasional polished fissures 44.56 m rare laminae of black fine to medium sand 44.75-45.00 m locally dark and light grey fine to medium sandy clay 44.85 m 1 No pyrite nodule 25 x 15mm in size 45.73-48.00 m fine to coarse gravel size pockets of fine to medium grey sand 46.50-47.00 m black and grey fine to coarse gravel of siltstone and fine to medium sandstone. 48.00-51.00 m closely spaced horizons of blueish grey and dark grey slightly sandy silty clay 48.45-48.60 m fissured blueish grey locally dark grey slightly sandy clay	45.00 -43.50				
48.00-49.50	87 N/A N/A					49.30-49.50 m NO RECOVERY 49.50-49.90 m frequent fine to coarse gravel of grey fine to medium sandstone 50.30-51.15 m fine to medium gravel of sandstone and siltstone 51.60-51.68 m pockets of light grey fine to medium sand 51.70 m dark grey 52.20-52.30 m dark blueish grey slightly sandy silty clay with occasional fine to coarse gravel of siltstone 52.30-52.50 m brown with frequent fine to coarse gravel size pockets of light grey fine to	51.00 -49.50	(1.50)			
49.50-51.00	100 N/A N/A					Stiff greyish brown fine to medium sandy CLAY. (LONDON CLAY A3ii)	52.50 -51.00	(1.50)			
51.00-52.50	100 N/A N/A					Stiff to very stiff fissured greyish brown slightly sandy locally sandy CLAY with occasional fine to coarse gravel size pockets of light brown and grey fine to medium sand. Fissures are extremely closely spaced, randomly orientated. Sand is fine to medium. (LONDON CLAY A3ii)	54.00 -52.50	(1.50)			
52.50-54.00	100 N/A N/A					Very stiff fissured greyish brown CLAY with occasional fine to medium gravel size pockets of light brown silt. (LONDON CLAY A3ii)	55.50 -54.00	(0.95)			
54.00-55.50	100 N/A N/A					Stiff greyish brown mottled light grey and dark grey sandy CLAY Sand is fine to medium. (LONDON CLAY A3ii)	56.45 -54.95 56.68 -55.18 57.00 -55.50				
55.50-57.00	100 N/A N/A			14/12/2010	1800	Light brown sandy SILT with rare blueish grey mottling. Sand is fine to medium. (LAMBETH GROUP - CLAY)	58.25 -56.75	(1.25)			
57.00-58.50	100 N/A N/A			15/12/2010	0800	Soft greyish brown locally slightly sandy CLAY with occasional fine to medium gravel size pockets of blueish grey silt. Sand is fine to medium.		(1.75)			
58.50-60.00	95 N/A N/A			45.00							

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)		

Borehole Log



Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
60.00-61.50	100 N/A N/A					56.68m - 57.00m : (LAMBETH GROUP - CLAY) 57.00m - 58.25m : Firm orangish brown mottled blueish grey locally orange slightly sandy silty CLAY. Sand is fine. (LAMBETH GROUP - CLAY)	52.30m - 61.57-61.67 m medium sand thin laminations of blueish grey sandy silt			
61.50-63.00	100 N/A N/A					58.25m - 60.00m : Firm orangish brown mottled blueish grey locally orange sandy to very sandy SILT. Sand is fine to medium. (LAMBETH GROUP - CLAY)	61.67-61.74 m light grey fine sand band 61.92-61.97 m band of fine silty sand with thin			
63.00-64.50	87 N/A N/A					Firm blueish grey occasionally mottled orangish brown and brown sandy to very sandy SILT. (LAMBETH GROUP - CLAY)	lamina of brown clay 62.85 m occasional fine to medium gravel of lignite present			
64.50-66.00	100 N/A N/A					Stiff bluish grey slightly silty CLAY interlaminated with brown and orangish brown slightly sandy clay and grey silty fine sand. (LAMBETH GROUP - CLAY)	63.00-63.20 m NO RECOVERY 64.50-64.97 m grey to blueish grey slightly gravelly to			
66.00-66.50	100 N/A N/A			15/12/2010 1800 07/01/2011 0800 07/01/2011 0800 06.00		Very stiff greyish brown locally slightly sandy CLAY. Sand is fine. (LAMBETH GROUP - CLAY)	64.97-63.47 m silty sand with fine to coarse gravel size pockets of lignite 66.00-66.30 m			
66.50-68.00	100 N/A N/A					Grey slightly gravelly slightly silty fine to medium SAND with rare fine to medium gravel size pockets of blueish grey clay. Gravel is angular to subrounded fine to medium of white flint. (LAMBETH GROUP - SAND)	66.50-68.00 m slightly silty to silty with occasional black mottling 67.20-68.00 m randomly spaced slightly sandy to sandy clay bands with thin horizons of			
68.00-69.50	87 N/A N/A					Grey silty fine to medium SAND with rare fine to medium gravel size shell fragments and rare fine to coarse gravel size pockets of grey clay. (LAMBETH GROUP - SAND)	68.00-68.90 m occasional fine to medium gravel size shell fragments 68.90-69.20 m thin lamina of lignite 69.20-69.30 m slightly sandy clay 69.30-69.50 m			
69.50-71.00	100 N/A N/A			07/01/2011 1800 07.00 08/01/2011 0800 08.00 08/01/2011 0800 07.00		Stiff to very stiff fissured dark grey CLAY. (LAMBETH GROUP - CLAY)	71.02-71.07 m fine grey silty sand infilled burrow 2mm x 50mm in size 72.50-73.45 m glaucanite absent 73.63-73.64 m light grey silty clay			
71.00-72.50	100 N/A N/A					Very stiff extremely closely fissured dark grey silty CLAY with rare fine to coarse gravel size pockets of green glauconite. (LAMBETH GROUP - CLAY)	75.40-77.00 m frequent green and black glauconite			
72.50-74.00	100 N/A N/A					Very stiff fissured silty CLAY with occasional locally frequent fine to coarse gravel size pockets of green glauconite. Fissures are closely spaced, randomly orientated, smooth. (LAMBETH GROUP - CLAY)				
74.00-75.50	100 N/A N/A					Very stiff reddish brown fissured silty CLAY with fine to medium gravel size pockets of brown clay. Fissures are closely spaced, randomly orientated, (LAMBETH GROUP - CLAY)	78.15-78.30 m slightly sandy 78.30-78.50 m slightly reddish brown with occasional fine to coarse gravel size pockets of black glauconite			
75.50-77.00	100 N/A N/A									
77.00-78.50	100 N/A N/A									
78.50-80.00	100 N/A N/A									

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)	66.00 80.00 S size Sonic core barrel used. 80.00 120.50 Conventional T6116 core barrel used.	

Borehole Log



Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests				Strata		Description (Continued from Sheet 4)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water						
80.00-81.50	100 N/A N/A			70.00 10/01/2011 80.00	0800	smooth and polished. (LAMBETH GROUP - CLAY)	79.15m - 79.15 m slightly reddish brown	80.00 -78.50 (0.75)			
81.50-83.00	77 69 69					Very stiff slightly sandy slightly gravelly to gravelly dark green locally black CLAY. Gravel is subangular to rounded fine to coarse of flint. (LAMBETH GROUP - CLAY)	80.40 m 1 No cobble of flint 80.60 m white 80.68 m 1 no cobble of flint 81.54-81.89 m AZCL	80.75 -79.25 (0.87)			
83.00-84.50	47 47 47					Structureless CHALK composed of white slightly sandy slightly gravelly SILT. Gravel is very weak low density chalk and angular to subangular fine to coarse flint. (WHITE CHALK GRADE DM)	81.98 m 1 No full shell 40mm in size 82.02 m 1 No full circ flint 50mm in size	81.62 -80.12 (2.08)			
84.50-86.00	60 7 7					Very weak medium to low density white CHALK with occasional grey staining. Fractures are very closely spaced, rough and smooth. (WHITE CHALK GRADE C4)	83.00-83.70 m drilling induced non intact	83.70 -82.20 (1.40)			
86.00-87.50	100 91 85			10/01/2011 86.00 11/01/2011 86.00	1800 1:00 0800 4:00	ZONE OF CORE LOSS. (Possible CHALK)	85.10-85.90 m non intact due to multiple vertical fractures 85.90-86.00 m 1 No full circ flint 100mm in size	85.10 -83.60 (1.50)			
87.50-89.00	87 87 87					Very weak medium to low density white CHALK with occasional grey staining. Fractures are closely spaced, randomly orientated, rough, undulated, open. (WHITE CHALK GRADE C3)	86.00-86.13 m non intact due to multiple vertical fractures 86.92-87.00 m heavy grey staining 87.20 m 1 No flint 30mm in size and non intact	86.00 -86.13 (3.90)			
89.00-90.50	43 43 43					ZONE OF CORE LOSS. (Possible CHALK)	87.80 m 1 No full circ flint 100mm in size 87.90-88.10 m AZCL 88.10-88.25 m	87.50 -87.00 (0.85)			
90.50-92.00	47 47 47					Very weak medium to low density white CHALK with occasional grey staining. Fractures are very closely spaced, rough and smooth. (WHITE CHALK GRADE C4)	88.10-88.25 m drilling induced non intact 89.00 m 1 No flint 20mm in size 90.50-91.20 m drilling induced non intact	88.25 -88.35 (1.35)			
92.00-93.50	100 100 0					ZONE OF CORE LOSS. (Possible CHALK)	91.13 m 1 No nodular flint 70mm in size 92.00-92.10 m 1 No full circ flint 100mm in size	91.20 -89.70 (0.80)			
93.50-95.00	93 93 93					Very weak medium to low density white CHALK with occasional grey staining. Fractures are closely spaced, rough and smooth. (WHITE CHALK GRADE C4)	92.00-92.10 m 1 No full circ flint 100mm in size 92.00-93.50 m drilling induced non intact 92.48-92.53 m heavy grey staining	92.00 -90.50 (1.50)			
95.00-96.50	47 47 47					Very weak medium to low density white CHALK with occasional grey staining. Fractures are medium spaced, rough, undulating, open. (WHITE CHALK C2)	93.13 m 1 No light grey brown 5-10mm subhorizontal band	93.50 -92.00 (1.55)			
96.50-98.00	0 0 0			11/01/2011 96.50 12/01/2011 96.50	1800 3:00 0800 2:00	ZONE OF CORE LOSS. (Possible CHALK)	94.47-94.63 m 1 No brown high full circ flint 94.53-94.63 m AZCL	95.05 -93.55 (0.80)			
98.00-99.50	100 100 100					Very weak medium to low density white CHALK with occasional grey staining. Fractures are medium spaced, rough, undulating, open. (WHITE CHALK C1)	95.05 m 1 No nodular flint 50mm in size	95.85 -94.35 (0.65)			
						ZONE OF CORE LOSS. (Possible CHALK)	96.00-96.10 m 1 No full circ flint 100 in size	96.50 -95.00 (1.50)			
						Very weak medium to low density white CHALK with occasional grey staining. Fractures are widely spaced, rough, undulating, open. (CHALK C1)	98.00-99.50 m drilling induced non intact 99.50 m 1 No nodular flint	98.00 -96.50 (3.00)			
Stratum continues to 101.00 m											

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 80.00 120.50 Conventional T6116 core barrel used.	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests					Strata		Description (Continued from Sheet 5)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water							
99.50-101.00	100 100 100					Very weak medium to low density white CHALK with occasional grey staining. Fractures are widely spaced, rough, undulating, open. (CHALK C1)	99.50m - 50mm in size 100.53-100.54 m 1 No 25mm grey band		01.00 -99.50			
101.00-102.50	90 90 85					Very weak medium to low density white CHALK with occasional grey staining and localised orangish brown staining. Occasional localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough, smooth, undulating and planar. (WHITE CHALK GRADE C2)	102.10 m localised green staining 102.35-102.70 m AZCL 102.70-102.80 m high full circ flint 100mm in size 103.53-103.55 m grey band		(3.25)			
102.50-104.00	87 87 87					ZONE OF CORE LOSS. (Possible CHALK)	104.00 m 1 No nodular flint 40mm in size 104.10 m 1 No high full circ flint 50mm in size		04.25 -102.75			
104.00-105.50	17 17 17			12/01/2011 1800		Very weak medium to low density white CHALK with occasional grey staining and localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough and smooth, undulating and planar. (WHITE CHALK GRADE C2)	104.15 m 1 No high full circ flint 50mm in size 104.20-104.25 m drilling induced non intact 106.60-106.70 m drilling induced non intact		05.50 -104.00 (0.40) 05.90 -104.40			
105.50-107.00	27 27 27			105.50 7.00 13/01/2011 0800 105.50 0.00		ZONE OR CORE LOSS. (Possible CHALK)						
107.00-108.50	0 0 0					Very weak medium to low density white CHALK with occasional grey staining and localised orangish brown staining. Occasionally localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough, smooth, undulating and planar. (WHITE CHALK GRADE C2)	108.75-108.87 m 1 No high full circ flint 120mm in size 108.75-111.70 m drilling induced non intact		08.75 -107.25			
108.50-110.00	83 83 83					Extremely weak medium to low density white CHALK with rare black specking and localised grey mottling. Rare shells, shell fragments and fossils. Fractures are extremely closely spaced, smooth, planar. (WHITE CHALK GRADE C5)	111.60-116.80 m generally recovered as slightly sandy gravelly SILT 111.60-116.80 m drilling induced non intact 111.70-112.10 m solid core 112.53-112.77 m solid core 113.16-113.20 m solid core 113.42-114.02 m solid core 114.10-114.50 m AZCL		10.85 -109.35 (0.75) 11.60 -110.10			
110.00-111.50	57 57 57					ZONE OF NO RECOVERY. (Possible CHALK)						
111.50-113.00	93 93 93					Extremely weak medium to low density white CHALK. Unable to grade due to drilling disturbance. (CHALK)	117.70-120.50 m drilling induced non intact		16.80 -115.30 (0.90) 17.70 -116.20			
113.00-114.50	73 73 73					ZONE OF NO RECOVERY. (Possible CHALK)						
114.50-116.00	100 100 100			13/01/2011 1800								
116.00-117.50	53 53 53	N/A		111.50 17.40 14/01/2011 0800 111.50 5.40								
117.50-119.00	87 87 87	N/A										
119.00-120.50	100 100 100											
Stratum continues to 120.50 m												

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)		

Borehole Log



Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
				14/01/2011	1800	Extremely weak medium to low density white CHALK. Unable to grade due to drilling disturbance. (CHALK) EXPLORATORY HOLE ENDS AT 120.50 m	20.50 -119.00		SP
				120.50	17.30				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:31:43	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 7 of 7
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Borehole Log



Drilled PJ Logged Checked MT		Start 25/11/2010 End 05/02/2011		Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.			Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m		Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage		
Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.00-3.00	60 N/A N/A		0.00-1.20 m Hand excavated inspection pit.	25/11/2010	0800	Sand. (Foreman's description) (Possible MADE GROUND)	(6.00)				
3.00-6.00	100 N/A N/A										
6.00-9.00	100 N/A N/A					Peat. (Foreman's description) (RECENT DEPOSITS)	6.00 -4.45 (3.00)				
9.00-12.00	100 N/A N/A			25/11/2010 9.00 26/11/2010 9.00	0800	Sand. (Foreman's description) (CRAG DEPOSITS)	9.00 -7.45				
12.00-15.00	100 N/A N/A										
15.00-18.00	100 N/A N/A										
18.00-21.00	100 N/A N/A										
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.30 m					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole DBH 2009_2 Sheet 1 of 7				

Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
21.00-24.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)	(34.30)		
24.00-27.00	100 N/A N/A								
27.00-30.00	83 N/A N/A								
30.00-33.00	100 N/A N/A								
33.00-36.00	93 N/A N/A			26/11/2010 33.00 27/11/2010 0800 33.00 0.95					
36.00-39.00	100 N/A N/A								
Depth TCR SCR ROD If Records/Samples Date Casing Time Water						Stratum continues to 43.30 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
None observed (see Key Sheet)		27.00 121.50 Water added to assist boring.	

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 2 of 7
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Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
39.00-42.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)			
42.00-45.00	100 N/A N/A					Clay. (Foreman's description) (LONDON CLAY)	43.30 -41.75 (1.70)		
45.00-48.00	50 N/A N/A			27/11/2010 45.00	12.90 0800	Hard grey clay. (Foreman's description) (LONDON CLAY)	45.00 -43.45		
48.00-51.00	100 N/A N/A						(12.00)		
51.00-54.00	83 N/A N/A								
54.00-57.00	100 N/A N/A			28/11/2010 57.00	0800	London Clay. (Foreman's description) (LONDON CLAY)	57.00 -55.45		
57.00-60.00	100 N/A N/A			30/11/2010 57.00					
Depth						Stratum continues to 63.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 3 of 7
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Borehole Log



Drilled PJ Logged Checked MT		Start 25/11/2010 End 05/02/2011		Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.			Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m		Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage		
Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
60.00-63.00	100 N/A N/A					London Clay. (Foreman's description) (LONDON CLAY)	(6.00)				
63.00-66.00	67 N/A N/A			30/11/2010 63.00 07/12/2010 63.00	0800	Sand. (Foreman's description) (LAMBETH GROUP - SAND)	63.00 -61.45				
66.00-69.00	100 N/A N/A						(7.50)				
69.00-72.00	100 N/A N/A						70.50 -68.95				
72.00-75.00	100 N/A N/A					Stiff clay. (Foreman's description) (LAMBETH GROUP - CLAY)					
75.00-78.00	100 N/A N/A						(9.20)				
78.00-81.00	100 N/A N/A			07/12/2010 78.00 31/01/2011 78.00	0800		79.70 -78.15				
Depth						Stratum continues to 121.50 m					
Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole DBH 2009_2 Sheet 4 of 7				

Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
81.00-82.50	100 N/A N/A		*	31/01/2011 01/02/2011	11.70 0800 0.00	Chalk. (Foreman's description) (WHITE CHALK GRADE ?)	81.00-82.50 m Foreman reports core slipped.		
82.50-84.00	100 N/A N/A								
84.00-87.00	100 N/A N/A								
87.00-90.00	100 N/A N/A								
90.00-91.50	37 N/A N/A								
91.50-94.50	100 N/A N/A			01/02/2011 02/02/2011	20.80 0800 0.00				
94.50-97.50	100 N/A N/A			01/02/2011 02/02/2011	20.80 0800 0.00	94.55-97.50 m Foreman reports soft chalk.			
97.50-100.50	0 N/A N/A								
Stratum continues to 121.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 81.00 82.50 Conventional T6116 core barrel used. 90.00 91.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
100.50-103.50	100 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?)	(41.80)		
103.50-106.50	100 N/A N/A								
106.50-109.50	0 N/A N/A			02/02/2011 106.50 03/02/2011 106.50	13.00 0800 0.00				
109.50-112.50	100 N/A N/A								
112.50-115.50	100 N/A N/A						112.55-118.50 m Foreman reports soft chalk.		
115.50-118.50	100 N/A N/A								
Stratum continues to 121.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 103.50 106.50 No sonic used during coring. 112.50 115.50 No sonic used during coring.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:42:47	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 6 of 7
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Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
118.50-121.50	100 N/A N/A			03/02/2011 121.50	16.00	Chalk. (Foreman's description) (WHITE CHALK GRADE ?)	21.50 -119.95		SP
EXPLORATORY HOLE ENDS AT 121.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.00 0.00	EW 1 EW 2	0.00-1.20 m Hand excavated inspection pit.	20/07/2010	0800	SAND. (Foreman's description) (Possible MADE GROUND/RECENT DEPOSITS)	(11.00)			
			20/07/2010	dry	Peaty CLAY. (Foreman's description) (RECENT DEPOSITS)	11.00 (1.00)			
			22/07/2010	0800	SAND and shells. (Foreman's description) (CRAG DEPOSITS)	12.00			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 48.00 483mm drag bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage					
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)	(30.00)			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.00 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole DBH 2009_20 Sheet 2 of 3			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:42:55									

Borehole Log



Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)			SP
					Traces of London CLAY. (Foreman's description) (Possible LONDON CLAY)	42.00 (3.00)		
					London CLAY. (Foreman's description)	45.00 (3.00)		
			22/07/2010		EXPLORATORY HOLE ENDS AT 48.00 m	48.00		
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole DBH 2009_20 Sheet 3 of 3		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:42:56								

Borehole Log



Drilled MA Logged Checked MT		Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).		Depth from 0.00m	to 50.40m	Diameter 194mm	Casing Depth 6.00m	Ground Level Coordinates National Grid Chainage	+1.57 mOD E 647352.02 N 264217.61		
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
		0.00-50.40 m Rotary open hole drilling.			Beige reddish clayey SAND with shell fragments. (MADE GROUND)	(2.60)						
					Black peaty SAND. (Possibly RECENT DEPOSITS)	2.60 -1.03 (0.40)						
		Flush: 0.00-8.40 water/mud, 100 %			Grey SAND. (Possibly RECENT DEPOSITS)	3.00 -1.43						
						(4.50)						
					Dark grey to black clayey PEAT. (RECENT DEPOSITS)	7.50 -5.93						
		Flush: 8.40-11.40 water/mud, 70 %				(3.10)						
					Grey green SAND with some shell fragments. (Possibly CRAG DEPOSITS)	10.60 -9.03						
		Flush: 11.40-14.40 water/mud, 60 %				(5.90)						
		Flush: 14.40-17.40 water/mud, 50 %										
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)	16.50 -14.93						
		Flush: 17.40-20.40 water/mud, 40 %										
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.70 m							
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used			
None observed (see Key Sheet)												
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project Project No. Carried out for			ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 NNB Generation Company Limited				Borehole MPM 2009_4A Sheet 1 of 3		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:42:59												

Borehole Log



Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			10/12/2010	0.00	Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)			
			6.00	0800				
			11/12/2010	1.20				
			6.00					
			11/12/2010	1.20				
			6.00	0800				
			12/12/2010	1.20				
			6.00					
		Flush: 20.40-44.40 water/mud, 90 %	11/12/2010	1.20				
			6.00	0800				
			12/12/2010	1.20				
			6.00					
					(29.20)			
					Stratum continues to 45.70 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole MPM 2009_4A Sheet 2 of 3
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Borehole Log



Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage					
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)				
		Flush: 44.40-50.40 water/mud, 80 %			Grey-brown to grey CLAY. (LONDON CLAY A3ii)	45.70 -44.13 (4.70)		SP	
			12/12/2010	1.20	EXPLORATORY HOLE ENDS AT 50.40 m	50.40 -48.83			
			6.00						
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole MPM 2009_4A Sheet 3 of 3	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:43:01									

Borehole Log



Drilled PJ Logged Checked MT		Start 05/01/2011 End 06/01/2011		Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.		Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m		Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage	
Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	50 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	100 N/A N/A					SAND/CLAY. (Foreman's description) (Possible MADE GROUND)	3.00 -1.24 (3.00)		
6.00-9.00	100 N/A N/A					CLAY/PEAT. (Foreman's description) (Possible RECENT DEPOSITS)	6.00 -4.24 (3.00)		
9.00-12.00	100 N/A N/A					PEAT/CLAY. (Foreman's description) (RECENT DEPOSITS)	9.00 -7.24 (3.00)		
12.00-15.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)	12.00 -10.24		
15.00-18.00	100 N/A N/A								
18.00-21.00	100 N/A N/A			05/01/2011 18.00	dry				
				06/01/2011 18.00	0800 dry				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.00 m			
Groundwater Entries No. Struck Post strike behaviour (m) (m)				Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10		Borehole MPM 2009_7A			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:33:29				Project No. Carried out for NNB Generation Company Limited		Sheet 1 of 3			

Borehole Log



Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
21.00-24.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)	(32.00)		
24.00-27.00	100 N/A N/A								
27.00-30.00	100 N/A N/A								
30.00-33.00	100 N/A N/A								
33.00-36.00	100 N/A N/A								
36.00-39.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:33:30	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole MPM 2009_7A Sheet 2 of 3
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Borehole Log



Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage					
Samples and Tests			Strata						
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
39.00-42.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)			
42.00-48.00	50 N/A N/A					SAND/CLAY. (Foreman's description) (LONDON CLAY A3ii)	44.00 -42.24 (4.00)		
				06/01/2011 48.00	drv	EXPLORATORY HOLE ENDS AT 48.00 m	48.00 -46.24		SP
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole MPM 2009_7A Sheet 3 of 3			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:33:31									

Borehole Log



Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level Coordinates National Grid Chainage	+2.02 mOD E 647241.75 N 263985.76
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
		0.00-1.20 m Hand excavated inspection pit.*			Yellow brown sand fill. (Foreman's description) (MADE GROUND)	(1.20)				
					Backfill. (Foreman's description) (MADE GROUND)	1.20 +0.82				
						(4.00)				
			01/10/2010	0.00	Sand fill. (Foreman's description) (MADE GROUND)	5.20 -3.18 (0.80)				
			02/10/2010	0800		6.00 -3.98				
			03/10/2010	0.00	Sands. (Foreman's description) (Possible RECENT DEPOSITS)	(2.70)				
					Peat and clay. (Foreman's description) (RECENT DEPOSITS)	8.70 -6.68 (1.30)				
			02/10/2010	0.00	SAND and gravel. (Foreman's description) (Possible RECENT DEPOSITS)	10.00 -7.98				
			03/10/2010	0800		(4.50)				
			04/10/2010	0.00						
			04/10/2010	0800						
			05/10/2010	0800	SAND slightly gravelly. (Foreman's description) (Possible CRAG DEPOSITS)	14.50 -12.48 (1.50)				
			07/10/2010	0.00						
			07/10/2010	0800						
			11/10/2010	0800	SAND. (Foreman's description) (CRAG DEPOSITS)	16.00 -13.98				
			11/10/2010	0.00						
					Stratum continues to 26.50 m					

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
1	1.10	-	-	0.00	10.00			Rotary open hole drilling no testing undertaken.

Borehole Log



Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					
					SAND. (Foreman's description) (CRAG DEPOSITS)			(10.50)		
			11/10/2010	0.00						
			22.50	0800						
			14/10/2010	0.00			22.50-23.50 m			
			22.50	0.00			B1T4			
			14/10/2010	0.00						
			26.50	0800						
			15/10/2010	0.00			26.50-27.50 m	26.50	-24.48	
			26.50	0.00			B1T5			
			15/10/2010	0.00						
			30.50	0800						
			16/10/2010	0.00			30.50-31.50 m			
			30.50	0.00			B1T6			
			16/10/2010	0.00						
			34.50	0800						
		Flush: 13.00-56.50 mud, 100 %	18/10/2010	0.00			34.50-35.60 m			
			34.50	0.00			B1T7			
								(18.50)		
							38.50-39.60 m			
							B1T8			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.00 m					

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m Diameter 194mm Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					SAND with shells. (Foreman's description) (CRAG DEPOSITS)			
			18/10/2010	0.00				
			42.50	0800				
			19/10/2010	0.00		42.50-43.65 m B1T9		
			42.50	0.00				
					CLAY. (Foreman's description) (LONDON CLAY)	45.00 -42.98		
						(2.50)		
						47.00-48.50 m B1T10		
					CLAY with siltstone bands (Foreman's description) (LONDON CLAY)	47.50 -45.48		
						(1.50)		
					CLAY. (Foreman's description) (LONDON CLAY)	49.00 -46.98		
			19/10/2010	0.00				
			50.50	0800				
			20/10/2010	0.00				
			50.50	0.00				
			20/10/2010	0.00				
			51.50	0800				
			21/10/2010	0.00		51.50-52.50 m B1T11		
			51.50	0.00				
						(9.00)		
						56.50-57.50 m B1T12		
					CLAY with sand and gravel. (Foreman's description) (LAMBETH GROUP - CLAY)	58.00 -55.98		
						(1.50)		
			21/10/2010	0.00				
			51.50	0800				
			25/10/2010	0.00				
			51.50	0.00				
					Stratum continues to 65.50 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)					
		Flush: 59.50-64.00 water, 90 %	25/10/2010 64.00 26/10/2010 64.00	0.00 0800 0.00	SAND with large gravel and claystones. (Foreman's description) (LAMBETH GROUP-SAND)			(6.00)		
		Flush: 64.00-67.00 water, 95 %	26/10/2010 67.00 27/10/2010 67.00	0.00 0800 0.00	CLAY. (Foreman's description) (LAMBETH GROUP-CLAY)			65.50 -63.48		
		Flush: 67.00-80.50 water, 90 %	27/10/2010 70.00 28/10/2010 70.00	0.00 0800 0.00						
			28/10/2010 72.00 29/10/2010 72.00	0.00 0800 0.00						
			29/10/2010 77.00 30/10/2010 77.00	0.00 0800 0.00						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 80.90 m					

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level Coordinates National Grid Chainage	+2.02 mOD E 647241.75 N 263985.76
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
					CLAY. (Foreman's description) (LAMBETH GROUP-CLAY)	80.90 -78.88				
			30/10/2010	0.00	GRAVEL beds. (Foreman's description) (possible LAMBETH GROUP - BULLHEAD BEDS)	81.10 -79.08 (0.80)				
			81.90		CHALK. (Foreman's description) (UPPER CHALK) EXPLORATORY HOLE ENDS AT 81.90 m	81.90 -79.88				

Groundwater Entries	Depth Related Remarks *	Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)
			Depths (m)	Time Tools used

Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			Groundwater Entries		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
		0.00-1.20 m Hand excavated inspection pit. *	29/09/2010	0800	0.00m - 92.80m ROTARY OPEN HOLE DRILLING. No samples recovered. STRATA DESCRIPTIONS AND BOUNDARIES TAKEN FROM DBH2009_1.	(1.20)				
		*			SAND. (MADE GROUND)	1.20 +0.34				
					PEAT. (RECENT DEPOSITS)	(4.15)				
					Organic CLAY. (RECENT DEPOSITS)	5.35 -3.81				
					PEAT. (RECENT DEPOSITS)	5.60 -4.06				
					Silty SAND. (Possible RECENT DEPOSITS)	6.00 (0.40) -4.46				
						(1.85)				
						7.85 -6.31				
			29/09/2010	1800						
			30/09/2010	0800						
			30/09/2010	9.15						
						(4.15)				
			30/09/2010	1800						
			01/10/2010	0800						
			01/10/2010	9.15						
					Silty gravelly SAND. (Possible RECENT DEPOSITS)	12.00 -10.46				
						12.40 (0.40) -10.86				
			02/10/2010	0800						
			02/10/2010	12.75						
					Silty SAND. (CRAG DEPOSITS)	12.75-13.80 m B2T1				
			02/10/2010	1800						
			03/10/2010	0800						
			03/10/2010	13.80						
			03/10/2010	1800						
			04/10/2010	0800						
			04/10/2010	14.75						
						14.75-16.00 m B2T2				
			04/10/2010	1800						
			05/10/2010	0800						
			05/10/2010	18.75						
						18.75-19.80 m B2T3				
						19.80-20.80 m				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 28.50 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 125.80 Sonic rotary open hole drilling 178mm used to install liner. 1.20 12.70 Rotary open hole drilling no testing undertaken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			05/10/2010	1800	Silty SAND. (CRAG DEPOSITS)	(16.10)		
			20.00	0800				
			12/10/2010	20.80				
			23.40					
			12/10/2010	1800	Gravelly silty SAND. (CRAG DEPOSITS)	28.50 -26.96		
			23.40	0800				
			13/10/2010	23.40				
			13/10/2010	1800	Silty SAND. (CRAG DEPOSITS)	31.70 -30.16		
			27.80	0800				
			14/10/2010	27.80	SAND. (CRAG DEPOSITS)	(4.30)		
			33.80	0800				
			16/10/2010	33.80				
			33.80					
			16/10/2010	1800	Silty SAND. (CRAG DEPOSITS)	36.00 -34.46		
			37.80	0800				
			19/10/2010	37.80	SAND. (CRAG DEPOSITS)	(0.55)		
			37.80					
			16/10/2010	1800	Silty SAND. (CRAG DEPOSITS)	36.55 -35.01		
			37.80	0800				
			19/10/2010	37.80	SAND. (CRAG DEPOSITS)	(6.78)		
			37.80					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.33 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			Groundwater Entries							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No.	Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
					Silty SAND. (CRAG DEPOSITS)										
			19/10/2010	1800											
			25/10/2010	0800		42.30-43.50 m B2T9	43.33 -41.79								
			25/10/2010	1800		Sandy CLAY. (LONDON CLAY)									
			26/10/2010	0800		46.50-47.00 m foreman reports hard siltstone horizon									
			26/10/2010	1800		47.30-48.50 m B2T10	(10.67)								
			27/10/2010	1800											
			27/10/2010	0800		51.80-53.00 m B2T11									
			28/10/2010	1800		CLAY. (LONDON CLAY)	54.00 -52.46								
			28/10/2010	0800			(1.50)								
						Sandy CLAY. (LONDON CLAY)	55.50 -53.96								
							(0.95)								
						Sandy SILT. (LAMBETH GROUP - CLAY)	56.45 -54.91								
							56.68 -55.14								
							57.00 -55.46								
						Sandy CLAY. (LAMBETH GROUP - CLAY)									
							(1.25)								
						Sandy silty CLAY. (LAMBETH GROUP - CLAY)	58.25 -56.71								
			28/10/2010	1800		Sandy SILT. (LAMBETH GROUP - CLAY)									
			29/10/2010	0800											
							(3.42)								
						Stratum continues to 61.67 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
			29/10/2010	1800	Sandy SILT. (LAMBETH GROUP - CLAY)						
			01/11/2010	0800							
			01/11/2010	0800							
			01/11/2010	0800							
					Silty CLAY. (LAMBETH GROUP - CLAY)	61.80-62.50 m (0.83)					
					Sandy CLAY. (LAMBETH GROUP - CLAY)	62.50 -60.96 (0.50)					
					Gravelly silty SAND. (LAMBETH GROUP - SAND)	63.00 -61.46 (1.97)					
					Silty SAND. (LAMBETH GROUP - SAND)	64.97 -63.43 (4.53)					
			01/11/2010	1800	CLAY. (LAMBETH GROUP - CLAY)						
			02/11/2010	0800							
			02/11/2010	0800							
			02/11/2010	0800							
					Silty CLAY (LAMBETH GROUP - CLAY)	69.30-70.50 m (1.88)					
			02/11/2010	1800	Silty CLAY (LAMBETH GROUP - CLAY)						
			05/11/2010	0800							
			05/11/2010	0800							
			05/11/2010	0800							
						73.30-75.00 m (8.62)					
			08/11/2010	1800							
			08/11/2010	0800							
			08/11/2010	0800							
			08/11/2010	0800							
						78.30-79.50 m					
			09/11/2010	1800							
			10/11/2010	0800							
			09/11/2010	1800							
			10/11/2010	0800							

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests				Strata		Description (Continued from Sheet 4)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water							
			10/11/2010	1800	CLAY with flints. (LAMBETH GROUP - BULLHEAD BEDS)			80.00 -78.46 (0.75)			
			15/11/2010	0800	Structureless CHALK.			80.75 -79.21 (0.87)			
			15/11/2010	1800	CHALK. (Possible CHALK GRADE C4)			81.62 -80.08 (2.08)			
			16/11/2010	0800	ZONE OF CORE LOSS. (Possible CHALK)			83.70 -82.16 (1.40)			
			16/11/2010	1800	CHALK. (Possible WHITE CHALK GRADE C3)			85.10 -83.56 (3.90)			
			16/11/2010	1800	ZONE OF CORE LOSS. (Possible CHALK)			89.00 -87.46 (0.85)			
			17/11/2010	0800	CHALK. (Possible WHITE CHALK GRADE C4)			89.85 -88.31 (1.35)			
			17/11/2010	0800	ZONE OF CORE LOSS. (Possible CHALK)			91.20 -89.66 (1.60)			
92.80-94.30 93.65-93.98	100 91 85				CS 1	Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A3)	92.80-92.93 m drilling induced non-intact	92.80 -91.26 (4.38)			
94.30-95.80	85 67 49						94.79-94.83 m partially rounded flint 94.90-94.97 m recovered as sandy chalk with partially rounded flint up to 30mm in size 94.97-95.20 m AZCL				
95.80-97.30	92 87 57				If NI/90/120			97.12-97.18 m drilling induced non-intact 97.18-97.30 m AZCL	97.18 -95.64 (4.62)		
97.30-101.80	0 0 0	NI									
Stratum continues to 101.80 m											

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 80.80 125.80 Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata			Groundwater Entries							
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No. Struck	Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
						ZONE OF CORE LOSS. Probably weak low density white CHALK (WHITE CHALK GRADE A2)										
101.80-103.30	100 66 22					Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)	101.80 -101.96 m									
102.96-103.30			CS 2			1 No subvertical rough clean fracture 102.02-102.72 m 1 No subvertical undulose fracture infilled up to 10mm with putty chalk										
103.30-104.80	89 84 53					102.62-102.86 m occasional partially rimmed flints up to 50mm in size 102.95-102.97 m fracture infilled with putty chalk										
104.80-106.30	94 83 64	90 240 360				103.30-103.47 m AZCL 104.80-104.89 m AZCL 105.02-105.03 m fractures infilled with putty chalk										
106.30-107.80	100 93 91					107.70-107.80 m drilling induced non-intact 107.80-108.10 m AZCL 108.18-109.19 m over cored										
107.80-109.30	80 75 59		CS 4													
108.61-109.09																
109.30-110.80	100 79 55															
110.80-112.30	100 82 66	NI NI 40				110.31-110.80 m 1 No subvertical rough undulose fracture infilled up to 10mm with putty chalk 110.57-110.80 m NI										
111.20-111.55			CS 5													
112.30-115.30	50 46 40			17/11/2010	1800											
114.12-114.44				112.30	0800											
115.30-116.80	87 85 82	50 180 360		18/11/2010		111.65-111.71 m chalk with partially rimmed flint up to 10mm in size 112.24-122.36 m recovered as putty chalk with flints up to 10mm in size 112.30-112.46 m drilling induced non-intact 112.57-112.59 m fractures infilled with putty chalk 113.70-113.80 m drilling induced non-intact 115.15-115.22 m drilling induced non-intact 116.58-116.61 m drilling induced non-intact 116.61-116.80 m AZCL 116.80-116.91 m AZCL 117.54 m 1 No unrindred flint 117.72-117.78 m partially rimmed flint up to 20mm in size	(24.00)									
116.80-118.30	93 88 83			112.30												
118.30-119.80	99 95 95		CS 7													
						Stratum continues to 125.80 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests				Strata			Description (Continued from Sheet 6)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water							
119.80-121.30 120.63-121.23	75 75 69		CS 8			Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)	117.86m - 117.86-117.89 m unrinded flint up to 30mm in size				SP	
121.30-122.80	100 70 7	NI NI 10			121.30-122.13 m 1 No subvertical rough undulose clean fracture							
122.80-124.30 123.79-124.22	100 92 83		CS 9		121.48-121.54 m drilling induced non-intact							
124.30-125.80 125.16-125.71	93 81 81	40 22 53	CS 10	18/11/2010	1800		122.30-122.85 m drilling induced non-intact					
125.80 EXPLORATORY HOLE ENDS AT 125.80 m							122.41-122.80 m 1 No 70 degree rough planar clean fracture					
							122.67-122.80 m drilling induced non-intact					
							123.08-123.09 m fractures infilled with putty chalk and partially rinded flint up to 10mm in size	25.80	-124.26			
							124.30-124.40 m AZCL					
							124.86-124.91 m partially rinded flint up to 40mm in size					
							125.70-125.80 m drilling induced non-intact					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m Diameter 200mm Casing Depth 10.35m 29.50m 84.70m 194mm 29.50m 146mm 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata		Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.20-0.50 0.20-0.50 0.50-1.20 0.50-1.20	D 1 B 2 D 3 B 4	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly SAND with frequent rootlets. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) 0.50 m becoming slightly silty and less gravelly Yellowish brown slightly gravelly SAND. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) Light brown sand and gravel. (Foreman's description) (Possible RECENT DEPOSITS) Dark grey sand, peat. (Foreman's description) (RECENT DEPOSITS) Dark grey clay, peat. (Foreman's description) (RECENT DEPOSITS)	0.10 +1.99 (1.10) 1.20 +0.89 (3.45) 4.65 -2.56 (4.50) 9.15 -7.06			
			08/07/2010 10.35 13/07/2010 10.35	0.20 0800 0.60	10.50-11.50 m B3T1	(3.35)			
			13/07/2010 12.56 14/07/2010 12.50	0.30 0800 1.70	12.50-13.50 m B3T2	12.50 -10.41 (2.10)			
			14/07/2010 14.66 19/07/2010 14.60	1.40 0800	14.60-15.60 m B3T3	14.60 -12.51			
					16.50-17.00 m B3T4	(5.90)			
			19/07/2010 18.56 20/07/2010 18.50	0800	18.50-19.50 m B3T5				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 10.00 Rotary open hole drilling no testing undertaken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
			03/08/2010 41.50 04/08/2010 41.50	0800	Sand with shells. (Foreman's description) (CRAG DEPOSITS)	41.50-42.50 m B3T16			
			04/08/2010 43.50 05/08/2010 43.50	0800		43.50-44.50 m B3T17			
			05/08/2010 45.50 07/08/2010 45.50	0800	CLAY very stiff grey. (Foreman's description) (LONDON CLAY)	45.50-46.50 m B3T18	45.00	-42.91	
			07/08/2010 46.50 08/08/2010 46.50	0800		46.50-47.50 m B3T19			
			08/08/2010 47.50 09/08/2010 47.50	0800		48.30-49.50 m B3T20			
			09/08/2010 49.50 10/08/2010 49.50	0800		50.50-51.50 m B3T21			
			10/08/2010 50.60 11/08/2010 50.60	0800		51.50-52.50 m B3T22	(14.00)		
			11/08/2010 52.60 18/08/2010 52.60	0800		52.50-53.50 m B3T23			
			18/08/2010 54.60 21/08/2010 54.60	0800		53.50-54.50 m B3T24			
			21/08/2010 55.60 23/08/2010 55.60	0800		54.50-55.20 m B3T25			
			23/08/2010 57.60 25/08/2010 57.00	0800		55.20-56.20 m B3T26			
			25/08/2010 59.60 26/08/2010 59.00	0800		57.00-58.00 m B3T27			
			26/08/2010 59.00 26/08/2010 59.00	0800		58.00-59.00 m B3T28			
			25/08/2010 59.60 26/08/2010 59.00	0800		59.00-60.50 m B3T29	59.00	-56.91	
					Stratum continues to 65.25 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE/NT Logged ST Checked MT		Start 08/07/2010 End 10/08/2010		Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m to 10.35m to 29.50m		Diameter 200mm 194mm 146mm		Casing Depth 10.35m 29.50m 76.50m		Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage	
Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
					(LAMBETH GROUP - CLAY)								
										60.50-61.80 m B3T30	(6.25)		
			26/08/2010 08.00	0800						63.00-64.20 m B3T31			
			31/08/2010 63.00							64.20-65.20 m B3T32			
			31/08/2010 65.25	0800						65.25-66.35 m B3T33	65.25 -63.16		
			02/09/2010 65.25		SAND. (Foreman's description) (LAMBETH GROUP - SAND)								
										66.35-67.35 m B3T34	(3.75)		
										67.35-68.35 m B3T35			
										68.35-68.75 m B3T36			
			02/09/2010 70.50	0800						69.25-70.25 m B3T37	69.00 -66.91		
			07/09/2010 70.50		CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)								
										70.50-71.65 m B3T38			
										71.65-72.65 m B3T39			
			07/09/2010 72.70	0800						72.70-73.70 m B3T40			
			09/09/2010 72.70	5.80						73.70-74.70 m B3T41			
			09/09/2010 75.00	0800						76.50-77.50 m B3T42	(15.70)		
			14/09/2010 75.00	9.30	Flush: 75.00-76.50 mud/water, 0 %								
			14/09/2010 76.50	0800						77.50-78.50 m B3T43			
			15/09/2011 76.50							78.50-79.50 m B3T44			
			15/09/2011 76.50	0800						79.50-80.50 m B3T45			
			16/09/2011 76.50		Stratum continues to 84.70 m								
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)		Depth Related Remarks *		From to (m)		Chiselling Depths (m)		Time		Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.		Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL		Project No. A0012-10		Carried out for NNB Generation Company Limited		Borehole SBP 2009_3		Sheet 4 of 5			



Borehole Log



Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m Diameter 200mm Casing Depth 10.35m 29.50m 84.70m 194mm 29.50m 146mm 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
					CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)			80.50-81.50 m B3T46		
			16/09/2011	1800				81.50-82.50 m B3T47		
			17/09/2011	0800						
			76.50							
			17/09/2011	0800						
			76.50							
								83.50-84.50 m B3T48		
			17/09/2011	1800						
			76.50							
					EXPLORATORY HOLE ENDS AT 84.70 m			84.70 -82.61		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 84.10m 146mm 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.00-0.20 0.20-0.87	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly gravelly SAND with frequent rootlets. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.26 m black plastic sheet	0.20 +1.72		
0.87 0.87-1.20	D 3 B 4					0.87 m black fabric sheet	0.87 +1.05 1.20 +0.72		
					Yellowish brown slightly gravelly SAND. Gravel is subangular to rounded fine of mixed lithologies including flint. (MADE GROUND)				
					Grey slightly silty SAND with rare fragments of wood. Slight organic odour. (MADE GROUND)		(5.00)		
					Organics, concrete, clay, gravels. (Foreman's description) (Possible MADE GROUND)				
			06/07/2010 2.71		Clay, gravels. (Foreman's description) (Possible RECENT DEPOSITS)		6.20 -4.28		
			07/07/2010 2.71	0800			(3.80)		
			07/07/2010 9.80	0800	Fine sand and gravel and occasional clay. (Foreman's description) (Possible RECENT DEPOSITS)		10.00 -8.08		
			08/07/2010 9.80	0800			(1.50)		
			08/07/2010 11.50	0800	Peat/sand. (Foreman's description) (Possible RECENT DEPOSITS)		11.50 -9.58		
			09/07/2010 11.50	00.00			(1.10)		
			09/07/2010 12.20	00.00	Sand and gravel. (Foreman's description) (Possible CRAG DEPOSITS)	11.60-12.60 m B4T1	12.60 -10.68		
			10/07/2010 12.20	00.00					
						13.60-14.60 m B4T2			
						15.60-16.60 m B4T3			
			10/07/2010 16.60	00.00			(10.00)		
			11/07/2010 16.60	0800					
			11/07/2010 17.85	00.00					
			12/07/2010 17.85	0800					
						17.90-18.93 m B4T4			
			12/07/2010 19.80	00.00					
			13/07/2010 19.80	0800					
						19.60-20.60 m B4T5			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.60 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 10.00 Rotary open hole drilling no testing undertaken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PS Logged ST/GA Checked MT		Start 06/07/2010 End 22/09/2010		Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m 9.80m		to 9.80m 84.10m		Diameter 200mm 146mm		Casing Depth 9.80m 81.10m		Ground Level Coordinates National Grid Chainage		+1.92 mOD E 647463.17 N 264201.91	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				Depth, Level (Thickness)	Legend	Backfill/ Instruments						
			19.60		Sand and gravel. (Foreman's description) (Possible CRAG DEPOSITS)												
			13/07/2010	0.00													
			21.60	0800					21.60-22.60 m								
			14/07/2010	0.00					B4T6								
			21.60														
					Sands. (Foreman's description) (CRAG DEPOSITS)				22.60 -20.68								
									23.60-24.60 m								
									B4T7								
									(3.00)								
			14/07/2010	0.00													
			25.60	0800					25.60-26.60 m								
			15/07/2010	0.10					B4T8								
			25.60														
					Sands with hard bands of rock. (Foreman's description) (CRAG DEPOSITS)				25.60 -23.68								
									(3.00)								
			15/07/2010	0.00													
			27.60	0800					27.60-28.60 m								
			16/07/2010	0.00					B4T9								
			27.60														
			16/07/2010	0.00													
			28.60	0800					28.60 -26.68								
			19/07/2010	0.21													
			28.60														
					Gravel and sands. (Foreman's description) (CRAG DEPOSITS)												
			19/07/2010	0.00					30.60-31.60 m								
			29.60	0800					B4T10								
			20/07/2010	0.00													
			31.60	0800					32.60-33.60 m								
			21/07/2010	0.35					B4T11								
			31.60														
			21/07/2010	0.00					34.60-35.60 m								
			33.60	0800					B4T12								
			22/07/2010	0.65													
			33.60						(13.00)								
			22/07/2010	0.00					36.60-37.60 m								
			35.60	0800					B4T13								
			23/07/2010	0.00													
			35.60														
			23/07/2010	0.00					38.60-39.60 m								
			37.60	0800					B4T14								
			24/07/2010	0.22													
			37.60														
			24/07/2010	0.00													
			39.60	0800													
			25/07/2010	0.20													
			39.60														
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 41.60 m												
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *				Chiselling		Time		Tools used				
No.	Struck	Post strike behaviour			From to (m)				Depths (m)								
		(m)															
None observed (see Key Sheet)																	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL				Borehole								
			Project No.		SITE				SBP 2009_4								
			Carried out for		A0012-10												
					NNB Generation Company Limited												
Scale 1:100			(c) Soil Mechanics www.soil-mechanics.com		408.24 21/02/2011 14:45:46				Sheet 2 of 5								

Borehole Log



Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			39.60		Gravel and sands. (Foreman's description) (CRAG DEPOSITS)	40.60-41.60 m B4T15		
			41.60		Sand and clays. (Foreman's description) (Possible CRAG DEPOSITS)	41.60 -39.68		
			25/07/2010	0.00				
			26/07/2010	0800		42.60-43.60 m B4T16		
			26/07/2010	0.35		43.60-44.60 m B4T17	(4.50)	
			26/07/2010	0.00				
			27/07/2010	0800				
			27/07/2010	0.40				
			27/07/2010	0.00				
			27/07/2010	0800		45.10-46.10 m B4T18		
			28/07/2010	1.00				
			28/07/2010	0.00				
			28/07/2010	0800		46.60-47.60 m B4T19	46.10 -44.18	
			29/07/2010	0.50				
			29/07/2010	0.00				
			29/07/2010	0800		48.10-49.10 m B4T20		
			30/07/2010	1.81				
			30/07/2010	0.00				
			30/07/2010	0800		49.10-50.10 m B4T21		
			03/08/2010	3.34				
			03/08/2010	0.00				
			03/08/2010	0800		50.10-51.10 m B4T22		
			04/08/2010	3.20				
			04/08/2010	0.00				
			04/08/2010	0800		51.10-51.80 m B4T23	(10.50)	
		Flush: 48.10-55.60 mud, 100 %	05/08/2010	0800				
			06/08/2010	3.26		52.00-56.60 m B4T24 test		
			07/08/2010	3.24		repeatedly failed. Probe getting stuck in borehole. Possible hard bands of siltstone.		
			07/08/2010	0800				
			08/08/2010	0800				
			08/08/2010	0800				
			10/08/2010	0800				
			10/08/2010	0800				
		Flush: 55.60-56.10 mud, 85 %	18/08/2010	0800				
			18/08/2010	0800		56.60-57.60 m B4T25	56.60 -54.68	
		Flush: 56.10-58.60 mud, 100 %	20/08/2010	0800		57.10-58.10 m B4T26		
			20/08/2010	0800				
			20/08/2010	0800		58.60-59.60 m B4T27	(3.46)	
		Flush: 58.60-60.10 mud, 95 %						
			20/08/2010					
					Stratum continues to 60.06 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests				Strata			Ground Level		
Depth	Type & No	Records	Date	Time	Description	Depth, Level	Legend	Backfill/	
			Casing	Water	(Continued from Sheet 3)	(Thickness)		Instruments	
		Flush: 60.10-61.60 mud, 100 %	26/08/2010 60.10	0800	Stiff silty clay. (Foreman's description) (LONDON CLAY)	60.10 m B4T28 test failed. B4T29 test failed.	60.06 -58.14 (0.55) 60.61 -58.69 60.66 -58.74		
		Flush: 61.60-63.60 mud, 95 %	26/08/2010 61.60	0800	Medium strong to strong grey thinly laminated dark grey SILTSTONE with occasional brown claystone pockets up to 5mm in size. (Possible LONDON CLAY)	61.60-62.30 m B4T30 62.30-63.40 m B4T31	(2.74)		
		Flush: 63.60-64.60 mud, 100 %	01/09/2010 63.60	0800	Medium strong grey and brownish grey CLAYSTONE. (Possible LONDON CLAY)	63.60-64.60 m B4T32	63.40 -61.48 (1.20)		
		Flush: 64.60-68.10 mud, 95 %	01/09/2010 66.10	0800	Sandy clay. (Foreman's description) (Possible LAMBETH GROUP - CLAY)	66.10-67.10 m B4T33	64.60 -62.68 (3.50)		
		Flush: 68.10-70.60 mud, 100 %	02/09/2010 68.10	0800	Sands. (Foreman's description) (LAMBETH GROUP - SAND)	68.10-68.15 m B4T34 test failed due to gravels.	68.10 -66.18 (1.15)		
		Flush: 70.60-72.10 mud, 70 %	03/09/2010 70.60	0800	Gravelly sands. (Foreman's description) (LAMBETH GROUP - SAND)	69.10-69.25 m B4T35 test failed due to gravels.	69.25 -67.33		
		Flush: 72.10-74.70 mud	03/09/2010 72.10	0800	Silty grey clay with claystone bands. (Foreman's description) (LAMBETH GROUP - CLAY)	70.60-71.60 m B4T36 72.20-73.20 m B4T37 73.20-74.20 m B4T38	(4.95)		
		Flush: 74.70-75.70 mud, 100 %	04/09/2010 74.70	0800	Stiff grey CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)	74.70-75.70 m B4T39	74.20 -72.28		
		Flush: 75.70-79.60 mud, 80 %	05/09/2010 75.70	0800		76.60-77.60 m B4T40 77.60-78.60 m B4T41			
			14/09/2010 76.60	0800		79.60-80.60 m B4T42	(9.90)		
			15/09/2010 76.60	0800					
Stratum continues to 84.10 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		Flush: 79.60-81.10 mud, 85 %	15/09/2010 16/09/2010 16/09/2010	0800 0800	Stiff grey CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)	81.10-82.27 m B4T43		
		Flush: 81.10-83.27 mud, 100 %	19/09/2010	0800		82.27-83.25 m B4T44		
		Flush: 83.27-84.10 mud, 85 %	19/09/2010 20/09/2010 20/09/2010	0800 0800		83.25-84.10 m		
			81.10		EXPLORATORY HOLE ENDS AT 84.10 m	84.10 -82.18		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			SAND. Foreman's description. (Probably MADE GROUND)	(1.20)		
1.20-2.00	100 N/A N/A				Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies including concrete and sandstone. (MADE GROUND)	1.20 +1.38 (0.48) 1.68 +0.90 (0.36) 2.04 +0.54		
2.00-3.00	100 N/A N/A				Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular to subrounded fine to medium of mixed lithologies including concrete and sandstone. (MADE GROUND)	(2.68)		
3.00-4.50	100 N/A N/A				Brownish grey slightly silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)	4.72 -2.14		
4.50-5.00	100 N/A N/A				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of sandstone. (MADE GROUND)	(1.12) 5.84 -3.26		
5.00-6.50	100 N/A N/A				Firm dark brown slightly sandy clayey amorphous PEAT. (RECENT DEPOSITS)	(1.10) 6.94 -4.36		
6.50-8.00	100 N/A N/A				Soft grey slightly sandy CLAY. (RECENT DEPOSITS)	(1.00) 7.94 -5.36		
8.00-9.50	100 N/A N/A		03/11/2010 08.00	0800	Grey, locally dark grey, silty slightly gravelly SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (CRAG DEPOSITS)	(3.06)		
9.50-11.00	100 N/A N/A		04/11/2010 8.00	0.00	Greenish grey slightly silty SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	11.00 -8.42 (1.75)		
11.00-12.50	100 N/A N/A				Orangish brown slightly silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	12.75 -10.17 (2.55)		
12.50-14.00	83 N/A N/A				Grey slightly silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	15.30 -12.72 (2.50)		
14.00-15.50	100 N/A N/A				Grey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	17.80 -15.22		
15.50-17.00	87 N/A N/A							
17.00-18.50	80 N/A N/A							
18.50-20.00	100 N/A N/A							
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 26.00 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 5.00 92.00 Water added to assist drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			Groundwater Entries											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No.	Struck	Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks *	From	to (m)	Chiselling Depths (m)	Time	Tools used	
20.00-21.50	100 N/A N/A					Grey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	18.60m - shell fragments 20.45-21.00 m fine sand with no shell fragments	(8.20)												
21.50-23.00	100 N/A N/A																			
23.00-24.50	100 N/A N/A			04/11/2010 23.00	0800															
24.50-26.00	100 N/A N/A			05/11/2010 23.00																
26.00-27.50	0 N/A N/A					ZONE OF CORE LOSS. (Probably CRAG DEPOSITS)		26.00 -23.42												
27.50-29.00	77 N/A N/A			05/11/2010 27.50	2.50															
29.00-30.50	100 N/A N/A			08/11/2010 27.50	0800	Grey slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	29.15 m 2 No. subangular medium gravel of flint	27.85 -25.27 (1.15)												
30.50-32.00	100 N/A N/A			08/11/2010 29.00	0800	Blueish grey silty SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	29.30-29.35 m band of firm brownish grey silty clay	29.00 -26.42 (0.50)												
32.00-33.50	60 N/A N/A			09/11/2010 29.00		Grey, locally slightly silty SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	29.40-29.45 m band of firm brownish grey silty clay	29.50 -26.92 (2.10)												
33.50-35.00	100 N/A N/A																			
35.00-36.50	100 N/A N/A																			
36.50-38.00	100 N/A N/A																			
38.00-39.50	100 N/A N/A			09/11/2010 38.00	0800	Greenish grey slightly silty SAND with occasional locally frequent fine gravel size shell fragments. (CRAG DEPOSITS)	32.00-32.60 m NO RECOVERY	31.60 -29.02 (5.80)												
				10/11/2010 38.00	3.10	Greenish grey slightly silty SAND with occasional locally frequent fine gravel size shell fragments. (CRAG DEPOSITS)	34.60 m small pocket of firm brown silty clay less than 20mm in size. 34.80 m small pocket of firm brown silty clay less than 20mm in size.	37.40 -34.82 (1.90)												
						Grey, locally greenish grey SAND with	38.60 m 1 No. intact shell 20mm in size	39.30 -36.72												
Stratum continues to 45.05 m																				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			Groundwater Entries											
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No.	Struck (m)	Post strike behaviour	Depth sealed (m)	Depth Related Remarks *	From	to (m)	Chiselling Depths (m)	Time	Tools used	
39.50-41.00	100 N/A N/A					rare fine gravel size shell fragments. (CRAG DEPOSITS)														
41.00-42.50	100 N/A N/A						(5.75)													
42.50-44.00	100 N/A N/A					43.15-43.25 m frequent fine gravel size shell fragments 43.40-43.55 m bands of dark grey sand up to 10mm in thickness														
44.00-45.50	100 N/A N/A					Stiff dark brown sandy CLAY. (LONDON CLAY A2)	45.05 -42.47													
45.50-47.00	100 N/A N/A					45.50 m very stiff blueish grey 45.64-45.72 m blueish grey 45.97-46.07 m blueish grey 46.24-46.25 m blueish grey 46.66-46.71 m blueish grey	(2.67)													
47.00-48.50	93 N/A N/A					47.63-47.71 m brown sandy gravelly clay. Gravel is subangular coarse of claystone	47.72 -45.14 47.96 -45.38													
48.50-49.00			CS 1			Very stiff dark brownish grey sandy slightly gravelly CLAY. (LONDON CLAY A3)														
48.50-50.00	100 N/A N/A					Stiff dark brown sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of claystone. (LONDON CLAY A2)														
50.00-51.50	100 N/A N/A					47.71 m claystone horizon 48.98-49.03 m dark grey 49.41-49.49 m dark grey 50.00-50.05 m soft 50.05-50.24 m brown clayey gravel. Gravel is subangular fine to coarse, predominantly coarse, of claystone														
51.50-53.00	100 N/A N/A						(9.70)													
53.00-53.45			CS 2	10/11/2010 53.00	0800															
53.00-54.50	100 N/A N/A																			
54.50-56.00	100 N/A N/A																			
56.00-57.50	100 N/A N/A					56.65 m firm														
57.50-59.00	100 N/A N/A					Brown clayey slightly sandy GRAVEL. Gravel is rounded to subangular fine to coarse of flint. (LAMBETH GROUP - SAND)	57.66 -55.08 58.04 -55.46													
59.00-60.50	100 N/A N/A					Brown with occasional grey bands silty fine to medium SAND.														
Stratum continues to 65.40 m																				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
60.50-62.00	100 N/A N/A					(LAMBETH GROUP - SAND)	(7.36)		
62.00-63.50	100 N/A N/A					62.06-62.55 m firm greyish brown very sandy clay			
63.50-65.00	78 N/A N/A					63.50-63.83 m AZCL 63.83-64.00 m brown sandy silt			
65.00-66.50	40 N/A N/A					65.00-65.90 m AZCL	65.40 -62.82		
66.50-68.00	100 N/A N/A					Stratum boundary uncertain. Soft to firm greyish brown silty slightly sandy CLAY. (LAMBETH GROUP - CLAY)	(1.10)		
68.00-68.40			CS 3			Stiff to very stiff greyish brown sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of claystone. (LAMBETH GROUP - CLAY)	(2.35)		
68.00-69.50	100 N/A N/A					Stiff blueish grey mottled reddish brown slightly sandy CLAY. (LAMBETH GROUP - CLAY)	68.85 -66.27 (0.65)		
69.50-71.00	100 N/A N/A			11/11/2010 71.00	0800	Firm thinly laminated blueish grey sandy CLAY with fine sand in laminae and rare brown bands. (LAMBETH GROUP - CLAY)	70.02-70.14 m reddish orangish brown	69.50 -66.92	
71.00-72.50	100 N/A N/A			12/11/2010 71.00		Stiff dark brown sandy CLAY. (LAMBETH GROUP - CLAY)	(1.50)		
72.10-72.50			CS 4				71.00 -68.42		
72.50-74.00	100 N/A N/A								
74.00-75.50	100 N/A N/A								
75.10-75.50			CS 5						
75.50-77.00	100 N/A N/A						(10.46)		
77.00-77.40			CS 6						
77.00-79.30	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 81.46 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)				
80.00-80.40	100					Stiff dark brown sandy CLAY.	80.00 m brown			
79.30-81.50	N/A					(LAMBETH GROUP - CLAY)				
81.50-83.00	100 63 0					Extremely weak to very weak low density white with occasional grey patches CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, infilled up to 20mm with angular fine to medium chalk gravel.	81.07 m dark grey black sandy slightly gravelly clay. Gravel is rounded to subrounded fine to coarse of flint 81.20-81.41 m grey sandy silt 81.41-81.46 m gravel of flint 81.70-81.84 m partially rounded flints up to 60mm in size	81.46	-78.88	
83.00-84.50	61 0 0					(WHITE CHALK GRADE C3)	83.00-83.59 m AZCL 83.59-84.50 m recovered as structureless chalk of cream slightly sandy gravelly silt (GRADE DM) 84.34-84.50 m grey structureless chalk 84.82-84.89 m grey structureless chalk 85.66-85.74 m structureless chalk 85.74-85.80 m grey partially rounded flint 87.73-88.04 m frequent grey patches 89.00-89.12 m partially rinded flints up to 40mm in size 89.31-89.37 m 1 No. partially rinded flint 89.82-89.86 m partially rinded flints up to 20mm in size	(13.54)		
84.50-86.00	100 55 0						93.50-93.57 m partially rinded flint up to 60mm in size 94.24-94.87 m 1 No. subvertically undulose clean fracture			
86.00-89.00	100 72 0			12/11/2010 02.00	0800					
89.00-92.00	100 82 0			13/11/2010 02.00						
92.00-93.50	75 52 17									
93.50-95.00	100 79 8									
95.00-96.50	0 N/A N/A					ZONE OF LOSS. Probably weak low density white CHALK. (WHITE CHALK GRADE C3)		95.00	-92.42	
96.50-98.00	0 N/A N/A									
98.00-99.50	81 N/A N/A			13/11/2010 09.50	0800	Probably weak low density white CHALK (Grade C3). Recovered as structureless chalk composed of white slightly gravelly sandy silt. (WHITE CHALK GRADE Dm)		98.00	-95.42	
				14/11/2010 09.50	-1.00					
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 101.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 98.00 119.00 Water added to assist drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
99.50-102.50	32 N/A N/A					Probably weak low density white CHALK (Grade C3). Recovered as structureless chalk composed of white slightly gravelly sandy silt. (WHITE CHALK GRADE Dm)	01.00 -98.42		
						Extremely weak to very weak low density white with grey patches CHALK. (WHITE CHALK GRADE C3)	(1.50)		
102.50-104.00	100 91 0					ZONE OF CORE LOSS. Probably very weak low density white chalk. (WHITE CHALK GRADE C3)	02.50 -99.92		
						Probable very weak low density white CHALK (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)	04.00 -101.42		
104.00-107.00	82 44 0					Very weak low density white CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, planar, infilled up to 20mm with fine to medium grained gravel. (WHITE CHALK GRADE C3)	05.05 -102.47		
107.00-108.50	100 90 0				0.000	106.94-107.00 m partially rounded flints up to 40mm in size			
						107.84 m unrounded flint up to 10mm in size			
108.50-110.00	100 95 0					108.50-108.56 m fine gravel sized flint			
						108.56-109.17 m partially rounded flint up to 50mm in size			
110.00-111.50	43 33 0					110.00-110.85 m AZCL	(10.95)		
				14/11/2010 110.85		111.33-111.41 m partially rounded flint up to 50mm in size			
111.50-113.00	79 55 0			15/11/2010 110.00	0800	111.50-111.81 m AZCL			
						111.81-111.89 m drilling induced none intact			
113.00-114.50	35 19 15					112.66-112.69 m partially rounded flint up to 40mm in size			
						113.00-113.97 m AZCL			
114.50-116.00	100 76 34					113.97-114.10 m drilling induced NI			
						114.14-114.18 m fine gravel sized flint in comminuted chalk	16.00 -113.42		
116.00-117.50	0 N/A N/A					114.68-114.80 m 1 No. 80 deg rough clean fracture	(1.84)		
						117.50-117.84 m AZCL	17.84 -115.26		
117.50-120.50	89 0 0					Possibly very weak low density white CHALK. (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)	(2.66)		
						117.84-119.00 m recovered as structureless chalk of uncompacted sandy gravelly silt (Grade Dm)			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)				
				15/11/2010		Possibly very weak low density white CHALK. (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)		20.50 -117.92		
				119.00		EXPLORATORY HOLE ENDS AT 120.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:49:12	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_01 Sheet 7 of 7
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			SAND. (Foreman's description) (MADE GROUND)	(1.20)		
1.20-2.00	100 N/A N/A				Light brown slightly silty gravelly, locally very gravelly, fine to medium SAND. Gravel is subangular to rounded fine to coarse of various lithologies. (MADE GROUND)	1.20 +2.20		
2.00-3.50	100 N/A N/A					(3.80)		
3.50-5.00	100 N/A N/A							
5.00-6.50	100 N/A N/A				Multicoloured sandy GRAVEL. Sand is medium to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies. (MADE GROUND)	5.00 -1.60		
6.50-8.00	100 N/A N/A				Firm dark brown clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	6.39 -2.99		
8.00-9.50	100 N/A N/A				Firm brown sandy CLAY with frequent organic matter and occasional fine to medium gravel size shell fragments. (RECENT DEPOSITS)	8.41 -5.01		
9.50-11.00	100 N/A N/A				Firm dark brown, black clayey amorphous PEAT. (RECENT DEPOSITS)	11.00 -7.60		
12.50-14.00	85 N/A N/A		19/11/2010	1800	(Boundary uncertain) Brownish grey slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of flint and sandstone. (CRAG DEPOSITS)	12.50 -9.10		
14.00-17.00	77 N/A N/A		14.00	dry		(4.23)		
17.00-18.50	100 N/A N/A				Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)	16.73 -13.33		
18.50-20.00	40 N/A N/A							
			22/11/2010	1800				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 47.05 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.00-21.50	100 N/A N/A			20.00 23/11/2010 20.00	dry 0800 1.80	Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)	firm brown sandy CLAY		
21.50-23.00	100 N/A N/A						21.70-23.40 m rare medium gravel size shell fragments		
23.00-24.50	100 N/A N/A						23.02-23.04 m soft grey sandy CLAY		
24.50-26.00	100 N/A N/A								
26.00-27.50	100 N/A N/A								
27.50-29.00	87 N/A N/A						27.50-27.70 m NO RECOVERY		
29.00-30.50	87 N/A N/A						28.14-28.41 m soft grey sandy CLAY		
							28.42-28.48 m soft grey sandy CLAY		
							29.12-29.34 m frequent medium gravel size shell fragments		
30.50-32.00	100 N/A N/A						30.22-30.35 m firm brownish grey sandy CLAY		
32.00-33.50	100 N/A N/A							(30.32)	
33.50-35.00	100 N/A N/A						32.98-33.14 m firm greyish brown sandy CLAY		
35.00-36.50	100 N/A N/A						33.14-34.10 m frequent medium gravel size shell fragments		
36.50-38.00	73 N/A N/A			23/11/2010	1800		36.50-36.90 m NO RECOVERY		
				24/11/2010	0800				
38.00-39.50	100 N/A N/A			36.50	1.60				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 47.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2010 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m to 11.00m to 120.50m Diameter 178mm Casing Depth 11.00m to 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)					
39.50-41.00	100 N/A N/A					Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)					
41.00-42.50	100 N/A N/A										
42.50-44.00	100 N/A N/A										
44.00-45.50	100 N/A N/A			24/11/2010 1800 44.00 2.90 25/11/2010 0800 44.00 2.60							
45.50-47.00	100 N/A N/A										
48.10-48.50	45 N/A N/A		CS 1				Very stiff to stiff brownish grey thinly laminated slightly sandy CLAY with fine sand silt laminae. (LONDON CLAY A3ii)	47.05	-43.65		
47.00-50.00											
50.00-51.50	97 N/A N/A		CS 2								
50.90-51.30											
51.50-53.00	100 N/A N/A										
53.00-54.50	100 N/A N/A										
54.10-54.50			CS 3								
54.50-56.00	100 N/A N/A			25/11/2010 1800 54.50 7.60 26/11/2010 0800 54.50 9.60							
56.00-57.50	100 N/A N/A										
57.50-59.00	100 N/A N/A										
59.00-60.50	100 N/A N/A										
Stratum continues to 60.76 m											

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2010 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
60.10-60.50			CS 4	26/11/2010	1800	Very stiff to stiff brownish grey thinly laminated slightly sandy CLAY with fine sand silt laminae. (LONDON CLAY A3ii)	60.76	-57.36	
60.50-62.00	100 N/A N/A			29/11/2010	0800		Brown slightly silty fine to medium SAND. (LAMBETH GROUP - SAND)		
62.00-63.50	100 N/A N/A			29/11/2010	1800	62.20-62.36 m firm thinly laminated brown sandy CLAY with grey silt laminae		(6.00)	
63.50-65.00	100 N/A N/A			30/11/2010	0800		Soft brown very sandy CLAY. (LAMBETH GROUP - CLAY)	66.76	-63.36
65.00-66.50	100 N/A N/A			30/11/2010	0800	Brown slightly silty fine to medium SAND. (LAMBETH GROUP - SAND)		67.72	-64.32
66.50-68.00	100 N/A N/A			30/11/2010	1.25		Grey clayey fine to medium SAND, locally grading to a firm sandy clay. (LAMBETH GROUP - SAND)	69.59	-66.19
68.00-69.50	100 N/A N/A					71.00-71.61 m soft grey sandy CLAY		(4.63)	
69.50-71.00	100 N/A N/A						Stiff to very stiff dark grey slightly sandy to sandy CLAY. (LAMBETH GROUP - CLAY)	74.22	-70.82
71.00-72.50	100 N/A N/A			30/11/2010	1800	75.29-75.50 m very soft brown sandy SILT			
72.50-74.00	100 N/A N/A			74.00	2.66		Stratum continues to 86.11 m		
74.00-75.50	100 N/A N/A			01/12/2010	0800				
75.50-77.00	100 N/A N/A			74.00	9.20				
77.50-77.90	100 N/A N/A		CS 5						
77.00-78.50	100 N/A N/A								
78.50-80.00	100 N/A N/A								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			Groundwater Entries							
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No.	Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
80.00-81.50	100 N/A N/A			01/12/2010 11.88 06/12/2010 0800 81.50 6.90	1800	Stiff to very stiff dark grey slightly sandy to sandy CLAY. (LAMBETH GROUP - CLAY)	(11.89)									
81.50-83.00	100 N/A N/A															
83.00-83.40			CS 6													
83.00-84.50	100 N/A N/A			06/12/2010 0800 07/12/2010 0800 84.50 16.30	1800											
84.50-86.00	100 N/A N/A															
86.00-87.50	53 0 0			07/12/2010 1800 08/12/2010 0800 86.00 0.50	1800	Probably very weak low density white CHALK, recovered as slightly sandy slightly gravelly silt. (Probably CHALK A2 recovered as chalk DM)	86.11 -82.71									
87.50-89.00	61 12 0															
89.00-90.50	100 55 10	NI 130 390		08/12/2010 1800 09/12/2010 0800 89.00 1.00	1800	Very weak medium dense greyish white CHALK with grey patches. Fractures are subhorizontal, closely to medium spaced, rough, clean. (WHITE CHALK Grade A2/A3)	88.08 -84.68									
90.50-92.00	100 81 41															
92.00-93.50	73 41 35															
93.50-95.00	100 79 38															
95.00-96.50	100 71 47															
96.50-98.00	61 40 25			09/12/2010 1800 09.50 13.50 10/12/2010 0800 96.50 6.00	1800	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)	92.40 -89.00									
98.00-99.50	100 65 55															
Stratum continues to 120.50 m																

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 87.50 120.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests				Strata			Groundwater Entries		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
99.50-101.00	85 70 52			10/12/2010	1800	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)	95.00m - non-intact		
101.00-102.50	53 27 20			11/12/2010	0800		101.00-101.70 m AZCL		
102.50-104.00	100 59 23						101.70-101.88 m drilling induced non-intact		
104.00-105.50	34 14 0						102.38-102.44 m 1 No subvertical rough clean fracture		
105.50-107.00	100 57 19	40 150 310		11/12/2010	1800		102.44-102.50 m drilling induced non-intact		
107.00-108.50	100 73 46			12/12/2010	0800		102.67-102.77 m NI		
108.50-110.00	92 73 56			12/12/2010	1800		102.77-102.93 m partially rinded flints up to 40mm in size		
110.00-111.50	100 61 58			13/12/2010	0800		103.87-104.00 m drilling induced non-intact		
111.50-113.00	100 71 29			13/12/2010	0800		104.00-104.99 m AZCL		
113.00-114.50	74 43 31			13/12/2010	0800		104.99-105.11 m drilling induced non-intact		
114.50-116.00	100 71 32			13/12/2010	12.30		105.11-105.24 m partially rinded flint up to 70mm in size		
116.00-117.50	80 41 18			13/12/2010	0800		105.50-105.68 m drilling induced non-intact		
117.50-119.00	89 49 14			13/12/2010	0800		105.86-106.50 m 1 No subvertical rough clean fracture		
119.00-120.50	90 75 23			13/12/2010	0800		106.52-106.56 m partially rinded flints up to 10mm in size		
Stratum continues to 120.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests					Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
				13/12/2010	1800 90.00	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3) EXPLORATORY HOLE ENDS AT 120.50 m	20.50 -117.10 :: 114.77m - 114.77-115.42 m 1 No subvertical rough undulose clean fracture			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.20-0.50 0.20-0.50 0.50-1.00 0.50-1.00 1.00-1.20 1.00-1.20	D 1 B 2 D 3 B 4 D 5 B 6	0.00-1.20 m Hand excavated inspection pit.	08/07/2010 10/07/2010	0800 0800	Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of soft yellowish brown sandy clay (less than 500mm in size). Gravel is angular to rounded fine to medium of mixed lithologies including flint and brick. (MADE GROUND) Greyish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND) ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	0.10 +1.64 (0.90) 1.00 +0.74 1.20 +0.54		
10.00-10.45 10.00-10.45	SPT S D 7	N=18 (3,2/3,4,5,6)	10/07/2010 10/07/2010	0800 0800	Medium dense to dense brownish grey silty slightly gravelly fine to coarse SAND with occasional pockets of dark brown plastic clayey amorphous peat. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint, quartz and shell fragments. Slight organic odour. (RECENT DEPOSITS)	10.00 -8.26		
10.80-11.25 10.80-11.25	SPT S D 8	N=41 (4,7/9,11,12,9)	10.00	0.00		(2.40)		
11.60-12.05 11.60-12.05	SPT S D 9	N=32 (4,6/5,8,11,8)	10.00	0.00				
12.40-12.85 12.40-12.85	SPT S D 10	N=33 (3,5/6,9,8,10)	10.00	0.00		12.40 -10.66		
13.20-13.65 13.50-13.65	SPT S D 11	N=50 (3,7/13,15,12,10)	11/07/2010 12/07/2010	1.80 0800	Very dense greenish grey, locally yellowish grey silty slightly gravelly fine to coarse SAND with fine to medium gravel size frequent shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
14.00-14.45 14.00-14.45	SPT S D 12	N=43 (4,8/11,11,13,8)	10.00	0.00				
14.80-15.18 14.80-15.17	SPT S D 13	50 (3,5/11,15,24)	10.00	0.00				
15.60-15.95 15.60-15.94	SPT S D 14	50 (5,8/15,21,14 for 45mm)	10.00	0.00				
16.40-16.77 16.40-16.76	SPT S D 15	50 (3,5/11,16,23 for 65mm)	10.00	0.00				16.40-16.76 m thin laminae of silty clay
17.20-17.58 17.20-17.55	SPT S D 16	50 (2,6/13,21,16)	10.00	0.00				
18.00-18.30 18.00-18.30	SPT S D 17	50 (4,8/17,33)	10.00 12/07/2010	0800 2.10				
18.80-19.10 18.80-19.09	SPT S D 18	50 (4,14/24,26)	10.00 13/07/2010	0800 2.10	Very dense greenish grey, locally yellowish grey, silty fine to coarse SAND with fine to medium gravel size frequent shell fragments. (CRAG DEPOSITS)	18.55 -16.81		
19.60-19.90 19.60-19.86	SPT S D 19	50 (6,19/31,19)	10.00	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 24.15 m			

Groundwater Entries		Depth sealed (m)		Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 14:49:53	Project No. A0012-10	SPT 2009_1
	Carried out for NNB Generation Company Limited	Sheet 1 of 3

Borehole Log



Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
20.40-20.78 20.40-20.70	SPT S D 20	50 (5,13/21,25.4)	10.00	0.00	Below 22.00m, becoming slightly silty.	(5.60)						
21.20-21.58 21.20-21.51	SPT S D 21	50 (8,17/18,26.6)	10.00 13/07/2010	0.00 1.80								
22.00-22.31 22.00-22.31	SPT S D 22	50 (8,16/20,22.8 for 10mm)	10.00 14/07/2010	0.00 2.10								
22.80-23.09 22.80-23.09	SPT S D 23	50 (9,15/22,28 for 65mm)	10.00	0.00								
23.60-23.85 23.60-23.87	SPT S D 24	50 (11,14 for 50mm/ 27,23 for 50mm)	14/07/2010 15/07/2010	1.60 0.80								
24.40-24.71 24.40-24.71	SPT S D 25	50 (5,15/18,26.6 for 10mm)	10.00	0.80								
25.20-25.45 25.20-25.45	SPT S D 26	50 (8,17 for 60mm/ 27,23 for 40mm)	10.00	0.80								
26.00-26.35 26.00-26.27	SPT S D 27	50 (8,12/15,17,18 for 45mm)	10.00	0.80								
26.80-27.10 26.80-27.09	SPT S D 28	50 (7,18 for 60mm/ 22,23,5 for 15mm)	10.00	0.80								
27.60-27.88 27.60-27.88	SPT S D 29	50 (15,10 for 40mm/ 18,24,8 for 15mm)	15/07/2010 16/07/2010	1.00 0.80								
28.40-28.60 28.40-28.68	SPT S D 30	50 (10,15 for 20mm/ 31,19 for 30mm)	10.00	dry								
29.20-29.47 29.20-29.47	SPT S D 31	50 (10,15 for 65mm/ 29,21 for 55mm)	10.00	dry								
30.00-30.26 30.00-30.26	SPT S D 32	50 (11,14 for 50mm/ 27,23 for 60mm)	16/07/2010 19/07/2010	0.90 0.70								
30.80-31.09 30.80-31.09	SPT S D 33	50 (7,16/23,27 for 65mm)	10.00 20/07/2010	0.65 0.80								
31.60-31.88 31.60-31.88	SPT S D 34	50 (7,14/24,26 for 55mm)	10.00	1.30								
32.40-32.71 32.40-32.71	SPT S D 35	50 (7,11/19,25,6 for 10mm)	10.00	0.70								
33.20-33.41 33.20-33.41	SPT S D 36	50 (14,11 for 35mm/ 34,16 for 25mm)	10.00	0.50								
34.00-34.19 34.00-34.19	SPT S D 37	50 (15,10 for 30mm/ 36,14 for 10mm)	20/07/2010	0.70								
34.80-34.99 34.80-34.99	SPT S D 38	50 (14,9 for 30mm/ 38,12 for 10mm)	21/07/2010	0.80								
35.60-35.80 35.60-35.80	SPT S D 39	50 (11,14 for 45mm/ 44,6 for 5mm)	10.00	1.10								
36.40-36.60 36.40-36.60	SPT S D 40	50 (12,13 for 40mm/ 37,13 for 10mm)	10.00	1.10								
37.20-37.35 37.20-37.35	SPT S D 41	50 (15 for 65mm/ 39,11 for 10mm)	10.00	0.00								
38.00-38.20 38.00-38.20	SPT S D 42	50 (13,12 for 25mm/ 35,15 for 25mm)	10.00	0.00								
38.80-39.02 38.80-39.02	SPT S D 43	50 (8,13 for 45mm/ 35,15 for 25mm)	21/07/2010 22/07/2010	1.10 0.80								
39.60-39.78 39.60-39.78	SPT S D 44	50 (18,7 for 15mm/ 40,10 for 15mm)	10.00	1.30								
									Very dense greenish grey, locally yellowish	39.30 -37.56		
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 44.90 m			

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)							

Borehole Log



Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.59 40.40-40.59	SPT S D 45	50 (15,10 for 25mm/ 35,15 for 15mm)	10.00	0.00	grey, slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(5.60)		
41.20-41.42 41.20-41.42	SPT S D 46	50 (10,15 for 60mm/ 32,18 for 10mm)	10.00	0.00				
42.00-42.20 42.00-42.20	SPT S D 47	50 (14,11 for 45mm/ 41,9 for 5mm)	10.00	0.00				
42.80-43.01 42.80-43.01	SPT S D 48	50 (12,13 for 35mm/ 32,18 for 25mm)	10.00					
43.60-43.84 43.60-43.84	SPT S D 49	50 (13,12 for 40mm/ 27,23 for 50mm)	22/07/2010 10.00 23/07/2010 10.00	0.50 0.80 1.40				
44.40-44.61 44.40-44.61	SPT S D 50	50 (12,13 for 40mm/ 33,17 for 20mm)	10.00	0.00				
45.20-45.65 45.20-45.65	SPT S D 51	N=46 (3,6/8,11,15,12)	10.00 10.00 23/07/2010 10.00	0.00 0.00	Very stiff dark grey and blueish grey CLAY with occasional thin laminae of silt. (LONDON CLAY - A3ii)	44.90 -43.16 (0.75)		
EXPLORATORY HOLE ENDS AT 45.65 m								

Groundwater Entries No. Struck Post strike behaviour (m) Depth sealed (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_1 Sheet 3 of 3
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Borehole Log



Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10-0.60 0.10-0.60	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND)		0.10 +1.55 (0.50)		
0.70-1.20 0.70-1.20	D 3 B 4	*			Yellow brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm thinly laminated grey and brown clay. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete and flint. (MADE GROUND)		0.60 +1.05 (0.60)		
					Orangish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete, brick, flint, wood and polystyrene. Cobbles are angular to subangular of brick. (MADE GROUND)		1.20 +0.45		
					ROTARY OPEN HOLE DRILLING No samples recovered. Foreman reports sand, shells and peat. (Possible MADE GROUND / RECENT DEPOSITS)		(8.80)		
10.00-10.45 10.00-10.45	SPT S D 6	N=29 (2,4/6,6,8,9)	23/07/2010 23/07	0.40 0.40	Dense greenish grey, locally orangish brown, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine of mixed lithologies including flint. (RECENT DEPOSITS)		10.00 -8.35		
10.80-11.25 10.80-11.25	SPT S D 7	N=38 (3,10/8,9,10,11)	24/07/2010	0800 9.00			(1.60)		
11.60-11.96 11.60-11.96	SPT S D 8	50 (9,12/15,18,17 for 60mm)	11.60	0.00			11.60 -9.95		
12.40-12.80 12.40-12.80	SPT S D 9	50 (5,6/12,14,16,8 for 25mm)	12.40	0.00	Very dense greenish grey silty fine to coarse SAND with occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)		(2.80)		
13.20-13.57 13.20-13.57	SPT S D 10	50 (4,8/15,17,18 for 70mm)	13.20	0.00					
14.00-14.41 14.00-14.41	SPT S D 11	50 (6,9/14,14,15,7 for 30mm)	14.00	0.00					
14.80-15.25 14.80-15.25	SPT S D 12	N=22 (1,2/3,5,6,8)	14.80	0.00	Very dense greenish grey silty fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)		14.40 -12.75		
15.60-16.02 15.60-16.02	SPT S D 13	50 (3,6/12,12,16,10 for 40mm)	24/07/2010 15.60	0.75 0800					
16.40-16.83 16.40-16.83	SPT S D 14	50 (4,6/9,10,18,13 for 50mm)	25/07/2010 15.60	1.00					
17.20-17.55 17.20-17.55	SPT S D 15	50 (4,12/14,20,16 for 45mm)	17.20	0.00	17.20-18.80 m brown				
18.00-18.33 18.00-18.33	SPT S D 16	50 (4,12/14,23,13 for 25mm)	18.00	0.00			(8.15)		
18.80-19.16 18.80-19.16	SPT S D 17	50 (8,13/13,18,19 for 60mm)	18.80	0.00					
19.60-19.89 19.60-19.89	SPT S D 18	50 (9,15/22,28 for 60mm)	19.60	0.00					
					Stratum continues to 22.55 m				

Groundwater Entries No. Struck Post strike behaviour 1 1.10 -			Depth sealed (m) -	Depth Related Remarks * From to (m) 0.10 0.30 Concrete and rebar present in western face of inspection pit. 1.20 10.00 No samples taken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m	Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.65 20.40-20.65	SPT S D 19	50 (7,17/28,22 for 25mm)	20.40	0.00	Very dense greenish grey silty fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)			
21.20-21.51 21.20-21.51	SPT S D 20	50 (4,7/18,28,4 for 5mm)	21.20	0.00				
22.00-22.31 22.00-22.31	SPT S D 21	50 (8,11/20,26,4 for 5mm)	25/07/2010 22.00 26/07/2010 22.00	1.23 0.00 0800 1.23	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)	22.55 -20.90		
22.80-23.11 22.80-23.11	SPT S D 22	50 (7,12/20,24,6 for 5mm)	22.80	0.00				
23.60-23.90 23.60-23.90	SPT S D 23	37 (8,13/14,23 for 70mm)	23.60	0.00				
24.40-24.71 24.40-24.71	SPT S D 24	50 (4,8/12,28,10 for 10mm)	24.40	0.00				
25.20-25.49 25.20-25.49	SPT S D 25	50 (6,12/22,28 for 65mm)	25.20	0.00				
26.00-26.37 26.00-26.37	SPT S D 26	50 (5,9/13,12,25 for 70mm)	26.00	0.00				
26.80-27.11 26.80-27.11	SPT S D 27	50 (8,7/18,26,6 for 10mm)	26.80	0.00				
27.60-27.84 27.60-27.84	SPT S D 28	50 (9,14/30,20 for 15mm)	27.60	0.00				
28.40-28.69 28.40-28.69	SPT S D 29	50 (11,14 for 70mm/ 21,29 for 65mm)	28.40	0.00				
29.20-29.50 29.20-29.50	SPT S D 30	50 (8,12/26,24)	29.20	0.00				
30.00-30.24 30.00-30.24	SPT S D 31	50 (8,17 for 65mm/ 34,16 for 20mm)	26/07/2010 30.00 27/07/2010 30.00	1.30 1.30 0800 1.24				
30.80-31.09 30.80-31.09	SPT S D 32	50 (5,7/19,31 for 65mm)	30.80	0.00				
31.60-31.85 31.60-31.85	SPT S D 33	50 (11,14 for 60mm/ 28,22 for 40mm)	31.60	0.00				
32.40-32.69 32.40-32.69	SPT S D 34	50 (10,15 for 70mm/ 20,30 for 65mm)	32.40	0.00				
33.20-33.48 33.20-33.48	SPT S D 35	50 (10,15 for 65mm/ 22,28 for 60mm)	33.30	0.00				
34.00-34.29 34.00-34.29	SPT S D 36	50 (8,13/27,23 for 65mm)	34.00	0.00				
34.80-35.10 34.80-35.10	SPT S D 37	50 (9,12/25,24,1 for 0mm)	34.80	0.00				
35.60-35.84 35.60-35.84	SPT S D 38	50 (9,16 for 70mm/ 30,20 for 15mm)	35.60	0.00				
36.40-36.62 36.40-36.62	SPT S D 39	50 (10,15 for 50mm/ 37,13 for 15mm)	27/07/2010 36.40 28/07/2010 36.40	0.98 0.98 0800 1.33				
37.20-37.46 37.20-37.46	SPT S D 40	50 (10,15/25,25 for 30mm)	37.20	0.00				
38.00-38.26 38.00-38.26	SPT S D 41	50 (9,15/26,24 for 35mm)	38.00	0.00				
38.80-39.06 38.80-39.06	SPT S D 42	50 (8,17 for 70mm/ 24,26 for 40mm)	38.80	0.00				
39.60-39.92 39.60-39.92	SPT S D 43	50 (9,10/18,22,10 for 15mm)	39.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.70 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling				
No.	Struck (m)	Post strike behaviour			From	to (m)				Depths (m)	Time	Tools used

Borehole Log



Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
40.40-40.73 40.40-40.73	SPT S D 44	50 (7,15/30,20,- for 25mm)	40.40	0.00	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)				
41.20-41.48 41.20-41.48	SPT S D 45	50 (7,14/24,26 for 55mm)	41.20	0.00					
42.00-42.30 42.00-42.30	SPT S D 46	50 (10,14/23,27 for 70mm)	28/07/2010 42.00 29/07/2010 42.00	1.40 0.80 0.80 1.20					
42.80-43.25 42.80-43.25	SPT S D 47	N=33 (4,4/6,8,9,10)	42.80	0.00		Very stiff grey CLAY with occasional laminae of silt. (LONDON CLAY A3)	42.70	-41.05	
43.60-44.05 43.60-44.05	SPT S D 48	N=43 (3,5/7,11,11,14)	43.60	0.00					(2.95)
44.40-44.85 44.40-44.85	SPT S D 49	N=35 (4,5/6,7,11,11)	44.40	0.00					
45.20-45.65 45.20-45.65	SPT S D 50	N=35 (3,5/8,8,10,9)	45.20 29/07/2010 45.65	0.00 0.40					
					EXPLORATORY HOLE ENDS AT 45.65 m				

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Trol and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests				Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.30 0.50-0.80 0.80 1.00-1.20	D 1 B 3 D 2 B 4	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey SAND with frequent rootlets. (MADE GROUND)	0.10 (0.30) 0.40 +1.15 (0.60) 1.00 +0.55		
1.20-2.50 2.30-2.50	28 N/A N/A	CS 29			Yellowish brown slightly gravelly SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	1.20-2.13 m NO RECOVERY (1.50)		
2.50-4.00	0 N/A N/A				Yellowish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments and occasional pockets of firm orange brown clay. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	2.50 -0.95		
4.00-5.50	0 N/A N/A				Greyish brown slightly silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	(7.25)		
5.50-6.25 6.25-7.00 7.00-7.75 7.75-8.50	0 N/A N/A 0 N/A N/A 0 N/A N/A				ZONE OF CORE LOSS. Foreman reports brown sand with occasional shell fragments. (Possible MADE GROUND / RECENT DEPOSITS)			
8.50-10.00	17 N/A N/A							
10.00-10.45 10.00-10.45 10.00-10.40	0 N/A N/A	SPT S N=23 (2,3/5,6,6,6)	02/08/2010 13.00 03/08/2010	0.20 0.06 0825	Plastic greyish brown clayey amorphous, locally pseudo-fibrous PEAT with occasional bands of light grey silty clay. Organic odour present. (Description based on SPT samples recovered) (RECENT DEPOSITS)	9.75 -8.20 (1.75)		
10.40-11.50	18 N/A N/A							
11.50-11.95 11.50-11.95 11.50-12.25	0 N/A N/A	SPT S N=41 (3,3/7,8,12,14)	10.40	0.00	Very dense light brown, locally grey, silty SAND with occasional fine gravel size shell fragments. (Description based on SPT samples recovered) (CRAG DEPOSITS)	11.50 -9.95		
12.55-13.00 12.25-13.00 13.00-13.44 13.00-13.44 13.00-13.75	60 N/A N/A 0 N/A N/A	CS 30 SPT S 50 (3,5/7,12,16,15 for 60mm)	10.40	0.00				
13.75-14.50	0 N/A N/A							
14.50-14.87 14.50-14.87 14.50-15.25	13 N/A N/A	SPT S 50 (5,6/14,16,20 for 70mm)	10.40	0.00				
15.25-16.00	0 N/A N/A							
16.00-16.34 16.00-16.34 16.00-16.75	0 N/A N/A	SPT S 50 (8,12/19,19,12 for 40mm)	10.40	0.00				
16.75-17.50	0 N/A N/A							
17.50-17.79 17.50-17.79 17.50-18.25	0 N/A N/A	SPT S 50 (8,13/19,31 for 60mm)	03/08/2010 19.40 04/08/2010	1800 0.06 0800 0.25				
18.25-19.00	0 N/A N/A							
19.00-19.30 19.00-19.30 19.00-19.75	67 N/A N/A	SPT S 50 (8,12/23,27 for 70mm)	10.40	0.00				
					Very dense greenish grey silty slightly	19.20 -17.65		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.50 m		

Groundwater Entries		Depth Related Remarks *		Chiselling	
No.	Struck (m)	Post strike behaviour	From (m)	to (m)	Depths (m)
			0.00	10.00	Time
None observed (see Key Sheet)			10.00	21.25	Tools used
			Geobor S surface set 7 step bit.		
			Geobor S Hexagonal pilot bit used.		

Borehole Log



Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Trol and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m to 10.00m to 45.95m Diameter 194mm Casing Depth 7.50m to 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
19.75-20.50	0					gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)			
20.50-20.80	N/A		SPT S 50 (8,12/20,30 for 70mm)	10.40	0.00				
20.50-20.80	N/A		D 12						
20.50-21.25	N/A								
21.25-21.60	100		CS 31						
21.25-21.90	N/A								
22.00-22.31	35		SPT S 50 (4,14/23,25,2 for 5mm)	10.40	0.00				
22.00-22.31	N/A		D 13						
21.90-22.75	N/A								
22.75-23.50	0			04/08/2010	1800				
23.50-23.81	100		SPT S 50 (8,12/21,23,6 for 5mm)	10.40	0.00				
23.50-23.81	N/A		D 14	05/08/2010	0800				
23.50-24.00	N/A								
24.25-24.65	75		CS 32						
24.00-25.00	N/A								
25.00-25.35	47		SPT S 50 (8,6/ 14,20,16 for 45mm)	10.40	0.00				
25.00-25.35	N/A		D 15						
25.00-25.75	N/A								
25.75-26.50	0								
26.50-26.87	80		SPT S 50 (9,10/ 13,16,21 for 70mm)	10.40	0.00				
26.50-26.87	N/A		D 16						
26.50-27.25	N/A								
27.25-28.00	0			05/08/2010	1800				
28.00-28.23	100		Flush: 10.40-45.50 SPT S 50 (8,10/43,0 for 5mm)	10.40	0.00				
28.00-28.23	N/A		D 17	06/08/2010	0800				
28.00-28.40	N/A		CS 33						
28.00-28.75	N/A								
28.75-29.50	100								
29.50-29.73	N/A		SPT S 50 (8,17 for 70mm/ 42,8 for 5mm)	10.40	0.00				
29.50-29.73	N/A		D 18	06/08/2010	1800				
29.50-30.25	N/A								
30.25-31.00	20			10/08/2010	0800				
31.00-31.22	N/A				1.00				
31.00-31.22	80		SPT S 50 (8,17 for 65mm/ 45,5 for 0mm)	15.00	0.00				
31.15-31.55	N/A		D 19						
31.00-31.75	N/A		CS 34						
31.75-32.50	93								
32.50-32.74	N/A		SPT S 50 (3,12/37,13 for 15mm)	15.00	0.00				
32.50-32.74	0		D 20						
32.50-33.25	N/A								
33.25-34.00	0								
34.00-34.18	N/A		SPT S 50 (21,4 for 15mm/ 35,15 for 10mm)	15.00	0.00				
34.00-34.18	0		D 21						
34.00-34.75	N/A								
34.75-35.50	0								
35.50-35.78	N/A		SPT S 50 (3,6/24,26 for 50mm)	15.00	0.00				
35.50-35.78	0		D 22						
36.00-36.40	67		CS 35						
35.50-37.00	N/A								
37.00-37.20	100		SPT S 50 (17,8 for 15mm/ 28,22 for 35mm)	15.00	0.00				
37.00-37.20	N/A		D 23						
37.00-38.50	N/A								
38.10-38.50	100		CS 36	10/08/2010	1800				
38.50-38.73	N/A			15.00	0.00				
38.50-38.73	0		SPT S 50 (6,9 for 70mm/ 41,9 for 10mm)	11/08/2010	0800				
38.50-40.00	N/A		D 24		1.43				

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)			21.25	24.00	Geobor S Hexagonal extended pilot bit used.		
			24.00	45.50	Geobor S Surface set 7 step bit used.		

Borehole Log



Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Trol and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.00-40.21	33		SPT S 50 (16,9 for 10mm/ 28,22 for 50mm) D 25	15.00	dry	Very dense greenish grey silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)	40.00-40.20 m locally weakly cemented		
40.00-40.21	N/A								
40.00-40.75	N/A								
40.75-41.50	0		SPT S 53 (7,17/44,9 for 5mm/ D 26)	15.00	dry				
41.50-41.73	N/A								
41.50-41.73	40								
41.50-42.25	N/A								
42.25-43.00	0		SPT S 50 (11,14 for 55mm/ 30,20 for 40mm) D 27	15.00	dry				
43.00-43.25	N/A								
43.00-43.25	0								
43.00-43.75	N/A		SPT S N=31 (4,4/7,7,7,10) D 28 CS 37	15.00	dry	Very stiff locally hard thinly laminated dark grey locally blueish grey CLAY. (LONDON CLAY)	44.50 -42.95		
43.75-44.50	93								
44.50-44.95	N/A								
44.50-44.95	100								
44.90-45.50	N/A		SPT S 50 (4,6/ 9,11,19,11 for 70mm)D 29A	15.00	dry		(1.45)		
45.50-45.95	N/A								
45.50-45.95	N/A								
EXPLORATORY HOLE ENDS AT 45.95 m							45.95 -44.40		

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill/ Instruments	
0.00-0.40 0.40-0.80 0.80-1.20	D 1 D 2 D 3	0.00-1.20 m Hand excavated inspection pit.			Grey sandy subangular to rounded fine to medium GRAVEL of mixed lithologies including flint. Frequent rootlets. Sand is fine to coarse. (MADE GROUND)	(0.40) 0.40 +3.11 (0.40) 0.80 +2.71 (0.40) 1.20 +2.31			
			22/08/2010 0.00	dry 0800					
			23/08/2010 0.00	dry	Grey slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)				
					Yellow gravelly fine to coarse SAND. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)				
					ROTARY OPEN HOLE DRILLING. No sample recovered. Foreman reports sand, gravel and clay. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)			
			23/08/2010 0.75	0.00					
			24/08/2010 8.75	0.00					
10.00-10.45 10.00-10.45	SPT S D 4	N=13 (2,2/2,3,4,4)	9.31	0.00	Plastic dark brown clayey, locally sandy, amorphous PEAT. (RECENT DEPOSITS)	10.00 -6.49			
10.80-11.25 10.80-11.25	SPT S D 5	N=18 (1,2/3,5,5,5)	9.31	0.00		(1.60)			
11.60-12.00 11.60-12.00	SPT S D 6	50 (3,5/10,15,12,13 for 20mm)	9.31	0.00		11.60 -8.09			
12.40-12.85 12.40-12.85	SPT S D 7	N=38 (8,10/9,9,10,10)	9.31	0.00	Very dense grey, locally brown, slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)				
13.20-13.53 13.20-13.53	SPT S D 8	50 (6,10/16,24,10 for 30mm)	9.31	0.00					
14.00-14.36 14.00-14.36	SPT S D 9	50 (5,10/17,17,16 for 60mm)	9.31	0.00		(5.60)			
14.80-15.19 14.80-15.19	SPT S D 10	50 (5,9/13,14,19,4 for 10mm)	9.31	0.00					
15.60-16.02 15.60-16.02	SPT S D 11	50 (3,5/11,16,15,8 for 40mm)	9.31	0.00					
16.40-16.76 16.40-16.76	SPT S D 12	50 (4,7/15,20,15 for 60mm)	9.31	0.00					
17.20-17.52 17.20-17.52	SPT S D 13	50 (6,13/19,22,9 for 20mm)	9.31	0.00					
18.00-18.37 18.00-18.37	SPT S D 14	50 (4,8/15,16,19 for 70mm)	24/08/2010 9.31	0.80 0800	Very dense greenish grey silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
18.80-19.11 18.80-19.10	SPT S D 15	53 (6,14/24,24,5 for 5mm)	25/08/2010 9.31	0.00 1.00					
19.60-19.89 19.60-19.89	SPT S D 16	50 (7,16/26,24 for 60mm)	9.31	0.00		17.20 -13.69			
					Stratum continues to 34.80 m				

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary open hole drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m	Diameter 198mm	Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.71 20.40-20.71	SPT S D 17	50 (5,14/20,26,4 for 5mm)	9.31	0.00	Very dense greenish grey silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
21.20-21.50 21.20-21.50	SPT S D 18	50 (7,17/25,25 for 70mm)	9.31	0.00				
22.00-22.25 22.00-22.25	SPT S D 19	50 (8,17 for 70mm/ 35,15 for 25mm)	9.31	0.00				
22.80-23.11 22.80-23.11	SPT S D 20	50 (6,14/19,22,9 for 10mm)	9.31	0.00				
23.60-23.86 23.60-23.86	SPT S D 21	50 (8,16/32,18 for 35mm)	9.31	0.00				
24.40-24.62 24.40-24.62	SPT S D 22	50 (9,16 for 50mm/ 35,15 for 15mm)	9.31	0.00				
25.20-25.40 25.20-25.40	SPT S D 23	50 (8,17 for 50mm/50 for 70mm)	9.31	0.00				
26.00-26.23 26.00-26.23	SPT S D 24	50 (8,15/44,6 for 5mm)	25/08/2010 9.31 26/08/2010 9.31	1.00 0.80 1.00				
26.80-27.05 26.80-27.05	SPT S D 25	50 (10,15 for 50mm/ 26,24 for 50mm)	9.31	0.00				
27.60-27.82 27.60-27.82	SPT S D 26	50 (9,16 for 60mm/ 43,7 for 5mm)	9.31	0.00				
28.40-28.66 28.40-28.66	SPT S D 27	50 (16,9 for 60mm/ 30,20 for 50mm)	9.31	0.00				
29.20-29.50 29.20-29.50	SPT S D 28	50 (4,9/15,32,3 for 0mm)	9.31	0.00				
30.00-30.29 30.00-30.29	SPT S D 29	50 (7,16/25,25 for 60mm)	9.31	0.00				
30.80-31.10 30.80-31.10	SPT S D 30	50 (6,11/15,35 for 70mm)	9.31	0.00				
31.60-31.94 31.60-31.94	SPT S D 31	50 (6,13/17,22,11 for 40mm)	9.31	0.00				
32.40-32.66 32.40-32.66	SPT S D 32	50 (5,16/25,25 for 30mm)	9.31	0.00				
33.20-33.48 33.20-33.48	SPT S D 33	50 (7,16/25,25 for 50mm)	9.31	0.00				
34.00-34.23 34.00-34.23	SPT S D 34	50 (7,18 for 70mm/ 30,20 for 10mm)	26/08/2010 9.31 27/08/2010 9.31	0.80 0.80 1.40				
34.60-35.01 34.80-35.01	D 35 SPT S	50 (12,13 for 30mm/ 34,16 for 25mm)	9.31	0.00				
35.60-35.80 35.60-35.80	SPT S D 36	40 (14,11 for 20mm/ 34,6 for 30mm)	9.31	0.00				
36.40-36.62 36.40-36.62	SPT S D 37	50 (12,13 for 50mm/ 30,20 for 20mm)	27/08/2010 9.31 31/08/2010 9.31	1.00 0.80 3.00				
37.20-37.42 37.20-37.42	SPT S D 38	50 (9,16 for 50mm/ 32,18 for 20mm)	9.31	0.00				
38.00-38.19 38.00-38.19	SPT S D 39	50 (12,13 for 30mm/ 40,10 for 5mm)	9.31	0.00				
38.80-39.00 38.80-39.00	SPT S D 40	50 (12,13 for 35mm/ 35,15 for 10mm)	9.31	0.00				
39.60-39.78 39.60-39.78	SPT S D 41	50 (20,5 for 2mm/ 32,18 for 30mm)	9.31	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.60 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck	Post strike behaviour	Depth sealed	From	to	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
40.40-40.59 40.40-40.59	SPT S D 42	50 (14,11 for 30mm/ 36,14 for 10mm)	9.31	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional, locally frequent, fine to medium gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	(12.80)				
41.20-41.41 41.20-41.41	SPT S D 43	50 (13,12 for 40mm/ 33,17 for 20mm)	9.31	0.00						
42.00-42.20 42.00-42.20	SPT S D 44	50 (14,11 for 30mm/ 35,15 for 20mm)	9.31	0.00						
42.80-43.00 42.80-43.00	SPT S D 45	50 (12,13 for 25mm/ 35,15 for 25mm)	31/08/2010 9.31	1.10 0800 01/09/2010 3.00 9.31						
43.60-43.78 43.60-43.78	SPT S D 46	50 (16,9 for 25mm/ 45,5 for 0mm)	9.31	0.00						
44.40-44.57 44.40-44.57	SPT S D 47	50 (18,7 for 10mm/ 32,18 for 10mm)	9.31	0.00						
45.20-45.47 45.20-45.47	SPT S D 48	50 (11,14 for 50mm/ 25,25 for 65mm)	9.31	0.00						
46.00-46.24 46.00-46.24	SPT S D 49	50 (10,15 for 70mm/ 37,13 for 20mm)	9.31	0.00						
46.80-47.00 46.80-47.00	SPT S D 50	50 (11,14 for 45mm/ 44,6 for 0mm)	9.31	0.00						
47.60-48.05 47.60-48.05	SPT S D 51	N=43 (5,7/9,10,10,14)	01/09/2010 9.31	2.80						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments	
0.00-0.30 0.30-0.80	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Grey sandy GRAVEL of subangular to subrounded fine to medium of various lithologies including flint with frequent rootlets. (MADE GROUND) Grey slightly sandy GRAVEL of subangular to rounded fine to coarse of various lithologies including flint. (MADE GROUND) Yellow gravelly fine to coarse SAND. Gravel is subangular to rounded fine to medium of various lithologies including flint. (Possible MADE GROUND) ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand and cobbles. (Possible MADE GROUND / RECENT DEPOSITS)	(0.30) +3.14 (0.50) +2.64 (0.40) +2.24			
0.80-1.20	D 3								
			03/09/2010 5.65 06/09/2010 5.65	0.00 0800 0.20		(8.80)			
10.00-10.45 10.00-10.45	SPT S D 4	N=4 (1,1/1,1,1,1)	10.00	0.00	Grey slightly sandy slightly gravelly SILT. Gravel is angular to subangular fine of various lithologies including flint. (RECENT DEPOSITS)	10.00 (0.80)			
10.80-11.25 10.80-11.25	SPT S D 5	N=15 (1,2/3,3,3,6)	10.32	0.00		10.80 (1.60)			
11.60-12.05 11.60-12.05	SPT S D 6	N=12 (1,2/2,3,3,4)	10.32	0.00	Firm dark grey clayey amorphous PEAT. Organic odour present. (RECENT DEPOSITS)	12.40 (4.00)			
12.40-12.85 12.40-12.85	SPT S D 7	N=27 (1,3/4,6,8,9)	10.32	0.00	Medium dense becoming very dense light grey slightly silty gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine of various lithologies including flint. (CRAG DEPOSITS)	16.40 (8.00)			
13.20-13.65 13.20-13.65	SPT S D 8	N=47 (3,4/9,9,14,15)	10.32	0.00					
14.00-14.38 14.00-14.38	SPT S D 9	50 (4,7/10,17,19,4 for 5mm)	10.32	0.00					
14.80-15.18 14.80-15.18	SPT S D 10	50 (4,8/9,18,21,2 for 0mm)	10.32	0.00					
15.60-16.02 15.60-16.02	SPT S D 11	50 (7,12/11,15,16,8 for 40mm)	06/09/2010 10.32 07/09/2010 10.32	0.00 0.80 1.00		15.60 m No shell fragments			
16.40-16.85 16.40-16.85	SPT S D 12	N=36 (6,8/9,7,8,12)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	16.40 (12.00)			
17.20-17.58 17.20-17.58	SPT S D 13	50 (5,8/12,15,20,3 for 5mm)	10.32	0.00					
18.00-18.34 18.00-18.34	SPT S D 14	50 (6,12/17,21,12 for 40mm)	10.32	0.00					
18.80-19.17 18.80-19.17	SPT S D 15	50 (5,8/12,18,20 for 65mm)	10.32	0.00		18.00 m rare pockets of brown and grey sandy silt			
19.60-19.97 19.60-19.97	SPT S D 16	50 (6,11/14,17,19 for 70mm)	10.32	0.00					
					Stratum continues to 35.60 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary Open Hole Drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
20.40-20.75 20.40-20.75	SPT S D 17	50 (6,11/18,20,12 for 50mm)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)						
21.20-21.50 21.20-21.50	SPT S D 18	50 (7,17/25,23,2 for 0mm)	10.32	0.00							
22.00-22.29 22.00-22.29	SPT S D 19	50 (8,17 for 70mm/ 25,25 for 65mm)	10.32	0.00							
22.80-23.07 22.80-23.07	SPT S D 20	50 (10,15 for 65mm/ 24,26 for 55mm)	10.32	0.00							
23.60-23.88 23.60-23.88	SPT S D 21	50 (11,14 for 65mm/ 25,25 for 60mm)	10.32	0.00							
24.40-24.60 24.40-24.60	SPT S D 22	50 (7,18 for 60mm/50 for 65mm)	07/09/2010 10.32 08/09/2010 10.32	1.00 0.80 0800 1.00							
25.20-25.45 25.20-25.45	SPT S D 23	50 (8,17/36,14 for 25mm)	10.32	0.00					25.20 m occasional grey sandy silt pockets	(19.20)	
26.00-26.25 26.00-26.25	SPT S D 24	50 (6,17/35,15 for 25mm)	10.32	0.00					25.20-26.80 m No shell fragments		
26.80-27.04 26.80-27.04	SPT S D 25	50 (9,16 for 70mm/ 37,13 for 20mm)	10.32	0.00							
27.60-27.86 27.60-27.86	SPT S D 26	50 (8,15/32,18 for 35mm)	10.32	0.00							
28.40-28.76 28.40-28.76	SPT S D 27	50 (6,12/17,20,13 for 60mm)	10.32	0.00					28.40-31.60 m rare pockets of grey sandy silt		
29.20-29.49 29.20-29.49	SPT S D 28	50 (6,13/30,20 for 65mm)	10.32	0.00							
30.00-30.31 30.00-30.31	SPT S D 29	50 (7,14/22,22,6 for 5mm)	10.32	0.00							
30.80-31.10 30.80-31.10	SPT S D 30	50 (7,13/23,27 for 70mm)	10.32	0.00							
31.60-31.90 31.60-31.90	SPT S D 31	50 (6,14/22,28 for 70mm)	10.32	0.00							
32.40-32.69 32.40-32.69	SPT S D 32	50 (9,16 for 65mm/ 23,24,3 for 0mm)	08/09/2010 10.32 09/09/2010 10.32	1.00 0.80 0800 1.00							
33.20-33.48 33.20-33.48	SPT S D 33	50 (8,17 for 60mm/ 21,29 for 70mm)	10.32	0.00							
34.00-34.21 34.00-34.21	SPT S D 34	50 (12,13 for 35mm/ 35,15 for 20mm)	10.32	0.00							
34.80-35.03 34.80-35.03	SPT S D 35	50 (9,16 for 60mm/ 35,15 for 15mm)	10.32	0.00							
35.60-35.89 35.60-35.89	SPT S D 36	50 (10,13/24,26 for 60mm)	10.32	0.00						35.60	-32.16
36.40-36.70 36.40-36.70	SPT S D 37	50 (7,16/20,30 for 70mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)						
37.20-37.49 37.20-37.49	SPT S D 38	50 (11,14 for 70mm/ 28,22 for 70mm)	10.32	0.00							
38.00-38.30 38.00-38.30	SPT S D 39	50 (11,13/25,25 for 70mm)	10.32	0.00							
38.80-39.10 38.80-39.10	SPT S D 40	50 (6,14/23,27)	10.32	0.00							
39.60-39.91 39.60-39.91	SPT S D 41	50 (5,11/16,24,10 for 10mm)	09/09/2010 10.32 10/09/2010 0800	1.30 0.80	39.60 m rare grey sandy silt pockets						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
40.40-40.56 40.40-40.56	SPT S D 42	50 (17,8 for 10mm/ 43,7 for 0mm)	10.32	2.80 0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	40.40 -36.96				
41.20-41.42 41.20-41.42	SPT S D 43	50 (12,13 for 40mm/ 32,18 for 30mm)	10.32	0.00		(1.60)				
42.00-42.29 42.00-42.29	SPT S D 44	50 (14,11 for 40mm/ 18,22,10 for 20mm)	10/09/2010 10.32	1.20 0.80 0.80 2.80	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	42.00 -38.56				
42.80-43.02 42.80-43.02	SPT S D 45	50 (8,17 for 60mm/ 40,10 for 10mm)	10.32	0.00		(5.30)				
43.60-43.78 43.60-43.78	SPT S D 46	50 (10,15 for 20mm/ 41,9 for 10mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)					
44.40-44.60 44.40-44.60	SPT S D 47	50 (12,13 for 50mm/ 45,5 for 0mm)	10.32	0.00						
45.20-45.41 45.20-45.41	SPT S D 48	50 (11,14 for 40mm/ 33,17 for 20mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)					
46.00-46.22 46.00-46.22	SPT S D 49	50 (11,14 for 50mm/ 34,16 for 20mm)	10.32	0.00						
46.80-47.01 46.80	SPT S D 50	50 (12,13 for 40mm/ 32,18 for 20mm)	10.32	0.00	Very stiff thinly laminated dark grey CLAY. (LONDON CLAY - A3i)	47.30 -43.86				
47.60-48.05 47.60-48.05	SPT S D 51	N=36 (3,5/8,9,10,9)	10.32 13/09/2010	0.00 2.60		(0.75)				
					EXPLORATORY HOLE ENDS AT 48.05 m	48.05 -44.61				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests				Strata		Depth, Level / (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.10 0.40	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Greyish brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	(0.30) 0.30 -3.13 0.60 -2.83 (0.60)		
1.00	D 3	*	14/09/2010 15/09/2010	0.00 0800 dry	Yellow gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of various lithologies including flint. (Possibly MADE GROUND)	1.20 +2.23		
					Yellow slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of various lithologies including flint. (RECENT DEPOSITS)			
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand and gravel. (Possible RECENT DEPOSITS)	(8.80)		
10.00-10.45 10.00-10.45	SPT S D 4	2 (1,1 for 150mm/1,1)	15/09/2010 16/09/2010	1.30 0800	Very soft, becoming soft, grey thinly laminated silty CLAY. (RECENT DEPOSITS)	10.00 -6.57		
10.80-11.25 10.80-11.25	SPT S D 5	N=6 (1,1/1,1,2,2)	8.60	0.00		(2.00)		
11.60-12.05 11.60-12.05	SPT S D 6	N=7 (1,1/1,2,2,2)	8.60	0.00		12.00 -8.57		
12.40-12.85 12.40-12.85	SPT S D 7	N=14 (1,2/3,3,4,4)	8.60	0.00	Firm dark brown and black amorphous locally clayey PEAT. (RECENT DEPOSITS)	(1.20)		
13.20-13.65 13.20-13.65	SPT S D 8	N=21 (1,2/2,5,7,7)	8.60	0.00	Medium dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	13.20 -9.77		
14.00-14.45 14.00-14.45	SPT S D 9	N=38 (3,4/7,8,12,11)	8.60	0.00		(2.20)		
14.80-15.25 14.80-15.25	SPT S D 10	N=24 (2,3/3,7,6,8)	8.60	0.00		15.40 -11.97		
15.60-16.00 15.60-16.00	SPT S D 11	50 (4,9/11,15,15,9 for 20mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
16.40-16.77 16.40-16.77	SPT S D 12	50 (5,9/16,20,14 for 65mm)	8.60	0.00				
17.20-17.50 17.20-17.50	SPT S D 13	50 (9,12/21,26,3 for 0mm)	8.60	0.00				
18.00-18.31 18.00-18.31	SPT S D 14	50 (6,7/19,23,8 for 10mm)	16/09/2010 17/09/2010	1.00 0800		(4.60)		
18.80-19.10 18.80-19.10	SPT S D 15	50 (5,12/21,29 for 70mm)	8.60	0.00				
19.60-19.90 19.60-19.90	SPT S D 16	50 (8,17/25,25)	8.60	0.00				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary Open Hole Drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m	8.60m 48.85m	Diameter 198mm 174mm	Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.71 20.40-20.71	SPT S D 17	50 (6,13/20,27,3 for 5mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	20.00 -16.57 (6.00)		
21.20-21.49 21.20-21.49	SPT S D 18	50 (9,15/21,29 for 60mm)	8.60	0.00				
22.00-22.30 22.00-22.30	SPT S D 19	50 (8,15/22,28 for 70mm)	8.60	0.00				
22.80-23.10 22.80-23.10	SPT S D 20	50 (9,15/21,28,1 for 0mm)	8.60	0.00				
23.60-23.90 23.60-23.90	SPT S D 21	50 (8,12/22,26,2 for 0mm)	17/09/2010 8.60 18/09/2010	1.00 0800 8.60				
24.40-24.69 24.40-24.69	SPT S D 22	50 (9,16/23,27 for 60mm)	8.60	0.00				
25.20-25.42 25.20-25.42	SPT S D 23	50 (9,16 for 60mm/ 35,15 for 10mm)	8.60	0.00	Very dense grey and greenish grey slightly gravelly slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. Rare bands of grey slightly sandy clayey silt present. Gravel is angular to subrounded fine of flint. (CRAG DEPOSITS)	26.00 -22.57 (2.40)		
26.00-26.28 26.00-26.28	SPT S D 24	50 (7,16/29,21 for 50mm)	8.60	0.00				
26.80-27.00 26.80-27.00	SPT S D 25	50 (10,15 for 50mm/ 46,4 for 0mm)	8.60	0.00				
27.60-27.83 27.60-27.83	SPT S D 26	50 (13,12 for 50mm/ 32,18 for 30mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	28.40 -24.97		
28.40-28.66 28.40-28.66	SPT S D 27	50 (12,13 for 45mm/ 29,21 for 60mm)	8.60	0.00				
29.20-29.47 29.20-29.47	SPT S D 28	50 (7,17/29,21 for 40mm) Flush: 10.00-48.85 Water, 95 %	8.60	0.00	Very dense grey and greenish grey slightly gravelly. Gravel is angular to rounded fine of flint 30.80 m rare pockets of grey clayey silt	(3.20)		
30.00-30.23 30.00-30.23	SPT S D 29	50 (7,17/45,5 for 0mm)	18/09/2010 8.60 19/09/2010	1.30 0800 8.60				
30.80-31.08 30.80-31.08	SPT S D 30	50 (8,16/29,21 for 50mm)	8.60	0.00				
31.60-31.90 31.60-31.90	SPT S D 31	50 (10,13/20,27,3 for 0mm)	8.60	0.00				
32.40-32.70 32.40-32.70	SPT S D 32	50 (8,14/20,30 for 70mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	31.60 -28.17		
33.20-33.43 33.20-33.43	SPT S D 33	50 (12,13 for 50mm/ 34,16 for 30mm)	8.60	0.00				
34.00-34.19 34.00-34.19	SPT S D 34	50 (18,7 for 20mm/ 33,17 for 20mm)	8.60	0.00				
34.80-34.98 34.80-34.98	SPT S D 35	50 (14,11 for 30mm/ 47,3 for 0mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	34.80 -31.37		
35.60-35.80 35.60-35.80	SPT S D 36	50 (14,11 for 45mm/ 46,4 for 0mm)	8.60	0.00				
36.40-36.60 36.40-36.60	SPT S D 37	50 (14,11 for 40mm/ 40,10 for 5mm)	19/09/2010 8.60 20/09/2010	1.30 0800 8.60	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(4.00)		
37.20-37.39 37.20-37.40	SPT S D 38	50 (18,7 for 20mm/ 33,17 for 20mm)	8.60	0.00				
38.00-38.18 38.00-38.20	SPT S D 39	50 (15,10 for 30mm/ 50 for 70mm)	8.60	0.00				
38.80-38.97 38.80-39.00	SPT S D 40	50 (14,11 for 20mm/ 50 for 70mm)	8.60	0.00	Very dense grey and greenish grey slightly silty slightly gravelly fine to medium SAND with rare fine to medium gravel size shell	38.80 -35.37		
39.60-39.79 39.60-39.80	SPT S D 41	50 (14,11 for 25mm/ 38,12 for 15mm)	8.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.60 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck	Post strike behaviour	Depth sealed	From	to	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
40.40-40.57 40.40-40.60	SPT S D 42	50 (20,5 for 10mm/ 42,8 for 10mm)	8.60	0.00	fragments. Gravel is angular subrounded fine of flint. (CRAG DEPOSITS)	(4.80)			
41.20-42.00	D 43								
41.70-41.93	SPT S	50 (13,12 for 50mm/ 33,17 for 25mm)	8.60	0.00					
42.00-42.26 42.00-42.20	SPT S D 44	50 (9,15/30,20 for 30mm)	8.60	0.00					
42.80-43.04 42.80-43.00	SPT S D 45	50 (10,15 for 70mm/ 34,16 for 15mm)	8.60	0.00					
43.60-43.84 43.60-43.80	SPT S D 46	50 (11,14 for 65mm/ 36,14 for 20mm)	8.60	0.00					
44.40-44.66 44.40-44.60	SPT S D 47	50 (14,11 for 50mm/ 23,27 for 60mm)	20/09/2010 8.60 21/09/2010 8.60	2.40 2.48 0800 2.80					
45.20-45.38 45.20-45.40	SPT S D 48	50 (12,13 for 30mm/ 50 for 70mm)	8.60	0.00					
46.00-46.24 46.00-46.20	SPT S D 49	50 (7,16/38,12 for 15mm)	8.60	0.00					
46.80-47.00 46.80-47.00	SPT S D 50	50 (13,12 for 40mm/ 40,10 for 10mm)	8.60	0.00					
47.60-47.99 47.60-48.00	SPT S D 51	45 (9,16 for 20mm/ 12,11,11,11 for 70mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	43.60 -40.17 45.00 -41.57 46.00-47.00 m rare pockets of grey clayey silt (3.20)			
48.40-48.85 48.40-48.80	SPT S D 52	N=33 (3,6/7,8,8,10)	8.60 21/09/2010 8.60	0.00 0.00					
					Very stiff thinly laminated dark grey slightly sandy silty CLAY. Sand is fine. (LONDON CLAY A3ii)	48.20 -44.77 (0.65)			
					EXPLORATORY HOLE ENDS AT 48.85 m	48.85 -45.42			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10 0.40 0.80 1.20	D 1 D 2 D 3 D 4	0.00-1.20 m Hand excavated inspection pit.			Brown sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)		0.10 +3.05 (1.10)		
			12/10/2010	dry	Light brown gravelly SAND. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)		1.20 +1.95		
			13/10/2010	0800 dry	ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports gravelly sand. (Possible RECENT DEPOSITS)		(8.80)		
10.00-10.45 10.00-10.45	SPT S D 5	N=20 (1,2/3,3,5,9)	8.15	0.00	Firm black slightly gravelly amorphous PEAT. Gravel is subrounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)		10.00 -6.85 (0.45) 10.45 -7.30		
10.80-11.25 10.80-11.25	SPT S D 6	N=19 (2,2/2,3,6,8)	8.15	0.00			(1.60)		
11.60-12.05 11.60	SPT S D 7	N=37 (6,6/6,8,10,13) Flush: 8.60-15.60 water, 95 %	13/10/2010 8.45	0.40 0.00	Medium dense to dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)		12.05 -8.90		
12.40-12.85 12.40-12.85	SPT S D 8	50 (4,9/10,9,13,18 for 70mm)	8.15	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
13.20-13.64 13.20-13.64	SPT S D 9	50 (3,7/9,11,15,15 for 60mm)	8.15	0.00					
14.00-14.45 14.00-14.45	SPT S D 10	N=30 (4,4/3,7,9,11)	8.15	0.00					
14.80-15.18 14.80-15.18	SPT S D 11	50 (4,5/8,18,24)	8.15	0.00			(5.95)		
15.60-15.94 15.60-15.94	SPT S D 12	50 (4,5/12,21,17 for 40mm)	14/10/2010 8.45	1.00 0.00					
16.40-16.67 16.40-16.67	SPT S D 13	50 (9,16 for 65mm/ 28,22 for 55mm)	15/10/2010 9.85	0.800 2.00	16.40-16.65 m Slightly gravelly. Gravel is subangular fine of flint				
17.20-17.45 17.20-17.45	SPT S D 14	50 (5,14/31,19 for 25mm)	9.85	0.00					
18.00-18.25 18.00-18.25	SPT S D 15	50 (8,15/25,25 for 25mm)	9.85	0.00	Very dense grey slightly silty slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine to medium of flint and mudstone. (CRAG DEPOSITS)		18.00 -14.85		
18.80-19.04 18.80-19.04	SPT S D 16	Flush: 15.60-21.46 water mud, 100 % 50 (9,16 for 65mm/ 23,27 for 25mm)	9.85	0.00					
19.60-19.85 19.60-19.84	SPT S D 17	50 (10,15 for 70mm/ 15,35 for 25mm)	9.85	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 25.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m	Diameter 198mm	Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.73 20.40-20.73	SPT S D 18	50 (6.8/14,26,10 for 30mm)	9.85	0.00	Very dense grey slightly silty slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine to medium of flint and mudstone. (CRAG DEPOSITS)	(7.50)		
21.20-21.46 21.20-21.46	SPT S D 19	49 (6,14/22,27 for 35mm)	9.85 15/10/2010	0.00 0.00				
22.00-22.27 22.00-22.27	SPT S D 20	50 (5,16/28,22 for 40mm)	9.85 16/10/2010	0.800 1.10				
22.80-23.08 22.80-23.25	SPT S D 21	50 (8,16/24,26 for 50mm)	9.85	0.00				
23.60-23.88 23.60-23.88	SPT S D 22	50 (9,17 for 65mm/ 27,23 for 60mm)	9.85	0.00				
24.40-24.63 24.40-24.63	SPT S D 23	50 (9,16 for 70mm/ 35,15 for 10mm)	9.85	0.00				
25.20-25.50 25.20-25.50	SPT S D 24	50 (9,16 for 70mm/20,30)	9.85	0.00				
26.00-26.27 26.00-26.27	SPT S D 25	50 (8,17 for 70mm/ 25,25 for 45mm)	9.85	0.00				
26.80-27.05 26.80-27.05	SPT S D 26	50 (7,18 for 70mm/ 35,15 for 30mm)	16/10/2010 9.85	1.30 0.800 1.50				
27.60-27.85 27.60-27.85	SPT S D 27	50 (10,15 for 60mm/ 25,25 for 40mm)	9.85	0.00				
28.40-28.70 28.40-28.70	SPT S D 28	50 (7,13/20,30 for 70mm)	9.85	0.00				
29.20-29.54 29.20-29.54	SPT S D 29	50 (6,9/13,21,16 for 40mm)	9.85	0.00				
30.00-30.27 30.00-30.27	SPT S D 30	50 (7,11/21,29 for 40mm)	9.85	0.00				
30.80-31.05 30.80-31.05	SPT S D 31	50 (12,13 for 50mm/ 25,25 for 45mm) Flush: 21.46-41.20 water, 95 %	9.85	0.00				
31.60-31.76 31.60-31.76	SPT S D 32	50 (9,16 for 40mm/50 for 40mm)	9.85	0.00				
32.40-32.70 32.40-32.70	SPT S D 33	50 (12,13 for 60mm/ 21,21,8 for 10mm)	17/10/2010 9.85	1.60 0.800 1.80				
33.20-33.48 33.20-33.48	SPT S D 34	50 (14,11 for 50mm/25,25)	9.85	0.00				
34.00-34.28 34.00-34.28	SPT S D 35	50 (12,13 for 55mm/24,26)	9.85	0.00				
34.80-35.01 34.80-35.01	SPT S D 36	50 (15,10 for 20mm/ 32,18 for 40mm)	9.85	0.00				
35.60-35.88 35.60-35.88	SPT S D 37	50 (12,13 for 65mm/ 24,26 for 60mm)	9.85	0.00				
36.40-36.64 36.40-36.64	SPT S D 38	50 (13,12 for 40mm/ 30,20 for 50mm)	9.85	0.00				
37.20-37.49 37.20-37.49	SPT S D 39	50 (13,12 for 60mm/23,27)	9.85	0.00				
38.00-38.26 38.00-38.26	SPT S D 40	50 (14,11 for 50mm/ 25,25 for 60mm)	9.85	0.00				
38.80-39.04 38.80-39.35	SPT S D 41	50 (13,12 for 45mm/ 27,23 for 40mm)	9.85	0.00				
39.60-39.79 39.60-39.79	SPT S D 42	50 (15,10 for 30mm/ 30,20 for 10mm)	9.85	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.80 m			

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)			Chiselling Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
40.40-40.60 40.40-40.60	SPT S D 43	50 (14,11 for 30mm/ 28,22 for 20mm)	9.85	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
41.20-41.59 41.20-41.59	SPT S D 44	50 (5,10/14,21,15,- for 15mm)	18/10/2010 9.85 19/10/2010	2.00 0.800 0800						
42.00-42.27 42.00-42.27	SPT S D 45	50 (8,17 for 70mm/ 25,25 for 50mm)	9.85	0.00		42.00-42.25 m Frequent pockets of soft grey silty clay				
42.80-43.08 42.80-43.08	SPT S D 46	50 (10,15/22,28 for 50mm)	9.85	0.00						
43.60-43.90 43.60-43.88	SPT S D 47	50 (8,16/23,27 for 70mm)	9.85	0.00						
44.40-44.68 44.40-44.68	SPT S D 48	50 (9,16 for 65mm/ 25,25 for 60mm)	9.85	0.00						
45.20-45.46 45.20-45.46	SPT S D 49	50 (10,15 for 60mm/ 26,24 for 50mm)	9.85	0.00		45.20-45.45 m Slightly gravelly. Gravel is angular to rounded fine of flint				
46.00-46.27 46.00-46.27	SPT S D 50	50 (10,15 for 65mm/ 30,20 for 50mm)	9.85	0.00						
46.80-47.06 46.80-47.06	SPT S D 51	50 (11,14 for 60mm/ 31,19 for 45mm)	9.85	0.00		46.80-47.05 m Gravelly. Gravel is angular to rounded fine to medium of flint				
47.60-48.05 47.60-48.05	SPT S D 52	N=46 (10,13/11,11,12,12)	9.85	0.00		Stiff thinly laminated dark grey silty CLAY. (LONDON CLAY A3ii)	47.80 -44.65			
48.40-48.85 48.40-48.85	SPT S D 53	N=39 (5,7/8,10,10,11)	9.85 19/10/2010	0.00			(1.05)			
			9.85					48.85 -45.70		
						EXPLORATORY HOLE ENDS AT 48.85 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.10-0.20 0.50 1.00	D 1 D 2 D 3	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly SAND with frequent rootlets. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND) Yellow slightly gravelly SAND. Gravel is angular to rounded fine to medium of various lithologies including flint. (Possibly RECENT DEPOSITS) ROTARY OPEN HOLE DRILLING. No sample recovered. Foreman reports gravel. (Possible RECENT DEPOSITS)	0.20 +3.12 (1.00) 1.20 +2.12			
			22/09/2010	dry					
			23/09/2011	0800 dry					
10.00-10.45 10.00-10.45	SPT S D 4	N=47 (3,6/9,11,13,14)	7.20	0.00	Dense greenish grey slightly silty, locally silty, slightly gravelly SAND with rare to occasional fine gravel size shell fragments. Gravel is angular to subangular fine of claystone. (CRAG DEPOSITS)	10.00 -6.68 (1.25)			
10.80-11.25 10.80-11.25	SPT S D 5	N=46 (3,4/6,10,14,16)	7.20	0.00		11.25 -7.93			
11.60-12.03 11.60-12.03	SPT S D 6	50 (5,4/10,11,17,12 for 50mm)	7.20	0.00					
12.40-12.81 12.40-12.81	SPT S D 7	50 (5,7/12,15,15,8 for 30mm)	7.20	0.00		(2.75)			
13.20-13.60 13.20-13.60	SPT S D 8	50 (6,9/13,14,17,6 for 20mm)	7.20	0.00					
14.00-14.32 14.00-14.32	SPT S D 9	50 (5,9/11,17,22 for 15mm)	7.20	0.00		14.00 -10.68			
14.80-15.12 14.80-15.12	SPT S D 10	50 (5,9/18,25,7 for 15mm)	7.20	0.00					
15.60-15.95 15.60-15.95	SPT S D 11	50 (5,10/15,18,17 for 50mm)	7.20	0.00		(3.65)			
16.40-16.77 16.40-16.77	SPT S D 12	50 (3,8/13,19,18 for 70mm)	7.20	0.00					
17.20-17.56 17.20-17.56	SPT S D 13	50 (6,10/12,21,17 for 60mm)	7.20	0.00					
18.00-18.37 18.00-18.39	SPT S D 14	50 (6,12/20,19,11 for 65mm)	23/09/2011 7.20 24/09/2010	0.00 0.00 0800		17.65 -14.33 (1.15)			
18.80-19.08 18.80-19.08	SPT S D 15	50 (9,10/24,26 for 50mm)	7.20	0.00		18.80 -15.48			
19.60-19.98 19.60-19.98	SPT S D 16	50 (4,10/13,16,18,3 for 5mm)	7.20	0.00		(1.25)			
					Stratum continues to 20.05 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
20.40-20.76 20.40-20.76	SPT S D 17	50 (8,11/15,17,18 for 60mm)	7.20	0.00	occasional fine gravel size shell fragments. Gravel is angular to subangular fine to medium of flint. (CRAG DEPOSITS)	20.40-21.65 m Occasional pockets of grey clayey silt	20.05 -16.73		
21.20-21.49 21.20-21.49	SPT S D 18	50 (5,11/23,27 for 60mm)	24/09/2010 7.20	1.40 0.80	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)				
22.00-22.28 22.00-22.28	SPT S D 19	50 (4,11/27,23 for 50mm)	27/09/2010 7.20	0.800 1.50					
22.80-23.06 22.80-23.06	SPT S D 20	50 (6,16/32,18 for 30mm)	7.20	0.00					
23.60-23.86 23.60-23.86	SPT S D 21	50 (7,18 for 65mm/ 33,17 for 40mm) Flush: 7.10-41.20 water, 95%	7.20	0.00		23.60-23.85 m Slightly gravelly of angular to subangular fine to medium flint			
24.40-24.68 24.40-24.68	SPT S D 22	50 (7,10/23,27 for 50mm)	7.20	0.00					
25.20-25.46 25.20-25.46	SPT S D 23	50 (8,15/25,25 for 30mm)	7.20	0.00					
26.00-26.27 26.00-26.27	SPT S D 24	50 (8,17/24,26 for 40mm)	7.20	0.00					
26.80-27.00 26.80-27.00	SPT S D 25	50 (12,13 for 30mm/ 33,17 for 20mm)	7.20	0.00		26.80-27.85 m Slightly gravelly of angular to rounded fine flint			
27.60-27.87 27.60-27.87	SPT S D 26	50 (9,16 for 70mm/ 30,20 for 50mm)	27/09/2010 28/09/2010 7.20	1.60 0.800 1.70					
28.40-28.64 28.40-28.64	SPT S D 27	50 (11,14 for 60mm/ 35,15 for 25mm)	7.20	0.00					
29.20-29.40 29.20-29.40	SPT S D 28	50 (15,10 for 40mm/ 45,5 for 5mm)	7.20	0.00					
30.00-30.23 30.00-30.23	SPT S D 29	50 (14,11 for 40mm/ 30,20 for 40mm)	7.20	0.00					
30.80-31.05 30.80-31.05	SPT S D 30	50 (10,15 for 65mm/ 33,17 for 30mm)	7.20	0.00					
31.60-31.85 31.60-31.85	SPT S D 31	50 (12,13 for 50mm/ 26,24 for 45mm)	7.20	0.00					
32.40-32.64 32.40-32.64	SPT S D 32	50 (12,13 for 50mm/ 29,21 for 40mm)	7.20	0.00					
33.20-33.43 33.20-33.43	SPT S D 33	50 (13,12 for 55mm/ 35,15 for 25mm)	7.20	0.00					
34.00-34.26 34.00-34.26	SPT S D 34	50 (14,11 for 55mm/ 32,18 for 50mm)	7.20	0.00			(28.35)		
34.80-35.04 34.80-35.04	SPT S D 35	50 (11,14 for 60mm/ 29,21 for 25mm)	7.20	0.00					
35.60-35.81 35.60-35.81	SPT S D 36	50 (15,10 for 30mm/ 36,14 for 30mm)	28/09/2010 29/09/2010 7.20	1.80 0.800 1.80					
36.40-36.63 36.40-36.63	SPT S D 37	50 (17,8 for 25mm/ 29,21 for 50mm)	7.20	0.00					
37.20-37.43 37.20-37.43	SPT S D 38	50 (17,8 for 25mm/ 29,21 for 50mm)	7.20	0.00					
38.00-38.23 38.00-38.23	SPT S D 39	50 (13,12 for 40mm/ 30,20 for 40mm)	7.20	0.00					
38.80-39.00 38.80-39.00	SPT S D 40	50 (10,15 for 50mm/ 48,2 for 0mm)	7.20	0.00					
39.60-39.80 39.60-39.80	SPT S D 41	50 (11,14 for 50mm/ 50 for 70mm)	7.20	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
40.40-40.59 40.40-40.59	SPT S D 42	50 (12,13 for 40mm/ 45,5 for 0mm)	7.20	0.00	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)				
41.20-41.47 41.20-41.47	SPT S D 43	50 (12,13 for 40mm/50,-)	29/09/2010 7.20	1.80 0.80					
42.00-42.22 42.00-42.22	SPT S D 44	50 (9,16 for 50mm/ 34,16 for 20mm)	30/09/2010 7.20	0800 2.00					
42.80-43.02 42.80-43.02	SPT S D 45	50 (9,16 for 70mm/ 45,5 for 0mm)	7.20	0.00					
43.60-43.82 43.60-43.82	SPT S D 46	50 (11,14 for 60mm/ 38,12 for 10mm)	7.20	0.00					
44.40-44.67 44.40-44.67	SPT S D 47	50 (10,15 for 70mm/ 27,23 for 50mm)	7.20	0.00					
45.20-45.45 45.20-45.45	SPT S D 48	50 (11,14 for 50mm/ 28,22 for 45mm)	7.20	0.00					
46.00-46.21 46.00-46.21	SPT S D 49	50 (13,12 for 45mm/ 35,15 for 10mm)	7.20	0.00					
46.80-46.99 46.80-46.99	SPT S D 50	50 (14,11 for 30mm/ 36,14 for 10mm)	7.20	0.00					
47.60-47.90 47.60-47.90	SPT S D 51	50 (8,16/19,31)	30/09/2010 7.20	2.00 0.80					
48.40-48.76 48.40-48.76	SPT S D 52	50 (9,15/30,11,9 for 60mm)	01/10/2010 7.20	0800 2.80					
49.20-49.65 49.20-49.65	SPT S D 53	N=40 (4,7/9,9,10,12)	7.20 01/10/2010 7.20	0.00 0.00					
						Very stiff dark grey CLAY. (LONDON CLAY A3ii)	48.40 -45.06 (1.25)		
						EXPLORATORY HOLE ENDS AT 49.65 m	49.65 -46.33		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill/ Instruments
0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Greyish brown SAND with frequent rootlets. (MADE GROUND)	0.20 +3.24		
0.50	D 2					0.40 +3.04		
1.00	D 3					(0.80)		
					Yellow SAND. (RECENT DEPOSITS)	1.20 +2.24		
					1.20-2.65 m Foreman reports cobbles			
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports SAND and GRAVEL. (Possible RECENT DEPOSITS)	(8.80)		
			02/10/2010	0.00				
			7.95	0800				
			03/10/2010	0.00				
			7.95	0.00				
10.00-10.34	SPT S D 4	50 (13,11/13,23,14 for 35mm)	9.54	0.00	Very dense orangish brown silty locally slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	10.00 -6.56		
10.80-11.17	SPT S D 5	50 (8,9/12,18,20 for 70mm)	9.54	0.00				
11.60-12.01	SPT S D 6	50 (5,9/12,15,15,8 for 30mm)	9.54	0.00				
12.40-12.70	SPT S D 7	50 (5,13/22,27,1 for 0mm)	9.54	0.00				
13.20-13.50	SPT S D 8	50 (3,11/19,29,2 for 1mm)	9.54	0.00				
14.00-14.38	SPT S D 9	50 (3,7/11,15,23,1 for 0mm)	9.54	0.00		(8.00)		
14.80-15.19	SPT S D 10	50 (5,9/12,14,15,9 for 10mm)	9.54	0.00				
15.60-15.98	SPT S D 11	50 (4,9/13,17,17,3 for 5mm)	9.54	0.00				
16.40-16.75	SPT S D 12	50 (5,8/16,21,13 for 45mm)	9.54	0.00				
17.20-17.51	SPT S D 13	50 (5,11/18,26,6 for 10mm)	9.54	0.00				
18.00-18.35	SPT S D 14	50 (4,6/14,19,17 for 50mm)	9.54	0.00				
18.80-19.15	SPT S D 15	50 (5,11/15,24,11 for 45mm)	9.54	0.00				
19.60-19.96	SPT S D 16	50 (3,10/17,19,14 for 55mm)	9.54	0.00		18.00 -14.56		
			04/10/2010	1.00				
			05/10/2010	0800				
					Stratum continues to 26.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m	to 9.54m 49.65m	Diameter 198mm 131mm	Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
20.40-20.70 20.40-20.70	SPT S D 17	50 (5,16/23,27 for 70mm)	9.54	1.00 0.00	Very dense orangish brown silty SAND with occasional to frequent fine gravel size shell fragments. (CRAG DEPOSITS)	(8.00)						
21.20-21.45 21.20-21.45	SPT S D 18	50 (6,18/33,17 for 25mm)	9.54	0.00								
22.00-22.28 22.00-22.28	SPT S D 19	50 (7,18/25,25 for 50mm)	9.54	0.00								
22.80-23.11 22.80-23.11	SPT S D 20	50 (8,13/20,25,5 for 5mm)	9.54	0.00								
23.60-23.90 23.60-23.90	SPT S D 21	50 (5,11/19,31)	9.54	0.00								
24.40-24.70 24.40-24.70	SPT S D 22	50 (7,16/24,26 for 70mm)	9.54	0.00								
25.20-25.50 25.20-25.50	SPT S D 23	50 (8,14/25,25 for 70mm)	9.54	0.00								
26.00-26.24 26.00-26.24	SPT S D 24	50 (9,16 for 65mm/ 20,30 for 20mm)	9.54	0.00								
26.80-27.12 26.80-27.12	SPT S D 25	50 (10,15/19,20,11 for 20mm)	05/10/2010 9.54 06/10/2010 0800 9.54 1.40	1.00 1.00 0.00								
27.60-27.88 27.60-27.88	SPT S D 26	50 (13,12 for 60mm/ 23,27 for 70mm)	9.54	0.00								
28.40-28.63 28.40-28.63	SPT S D 27	50 (9,16 for 65mm/ 39,11 for 10mm)	9.54	0.00	Very dense grey slightly silty slightly gravelly SAND with occasional to frequent fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	26.00 -22.56						
29.20-29.45 29.20-29.45	SPT S D 28	50 (8,17/28,22 for 20mm) Flush: 10.00-49.20 water, 95 %	9.54	0.00								
30.00-30.30 30.00-30.30	SPT S D 29	50 (9,16 for 70mm/ 21,28,1 for 0mm)	9.54	0.00					30.00-30.30 m Locally weakly cemented			
30.80-31.05 30.80-31.05	SPT S D 30	50 (10,15 for 50mm/ 30,20 for 50mm)	9.54	0.00								
31.60-31.87 31.60-31.87	SPT S D 31	50 (7,16/26,24 for 45mm)	9.54	0.00								
32.40-32.67 32.40-32.67	SPT S D 32	50 (9,16 for 65mm/ 28,22 for 50mm)	9.54	0.00					32.40-33.35 m Rare pockets of grey clayey silt			
33.20-33.44 33.20-33.44	SPT S D 33	50 (12,13 for 60mm/ 34,16 for 30mm)	9.54	0.00								
34.00-34.25 34.00-34.25	SPT S D 34	41 (10,15 for 60mm/ 23,18 for 40mm)	9.54	0.00								
34.80-35.10 34.80-35.10	SPT S D 35	50 (9,16/22,28 for 70mm)	9.54 06/10/2010 9.54	0.00 1.50 0800								
35.60-35.91 35.60-35.91	SPT S D 36	50 (11,14/18,24,8 for 10mm)	07/10/2010 9.54	1.80 0.00								
36.40-36.62 36.40-36.62	SPT S D 37	50 (9,16 for 60mm/ 41,9 for 5mm)	9.54	0.00	(22.40)							
37.20-37.41 37.20-38.90	SPT S D 38	50 (12,13 for 50mm/ 42,8 for 5mm)	9.54	0.00								
38.00-38.25 38.00-38.25	SPT S D 39	50 (12,13 for 50mm/ 32,18 for 50mm)	9.54	0.00								
38.60-39.93 38.80-39.05 38.80-39.05	D 41 SPT S D 40	50 (9,16 for 60mm/ 30,20 for 40mm)	9.54	0.00								
39.66-39.93	SPT S	50 (11,14 for 70mm/ 28,22 for 50mm)	9.54	0.00								
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 48.40 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
40.40-40.69 40.40-40.69	SPT S D 42	50 (13,14 for 60mm/ 20,28,2 for 0mm)	9.54	0.00	Very dense grey slightly silty slightly gravelly SAND with occasional to frequent fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)				
41.20-41.41 41.20-41.41	SPT S D 43	50 (14,11 for 30mm/ 36,14 for 25mm)	9.54	0.00					
42.00-42.34 42.00-42.34	SPT S D 44	50 (11,14 for 70mm/ 17,21,12 for 40mm)	07/10/2010 9.54	2.00 0.800 2.00					
42.80-43.01 42.80-43.01	SPT S D 45	50 (11,14 for 50mm/ 35,15 for 10mm)	9.54	0.00					
43.60-43.80 43.60-43.80	SPT S D 46	50 (12,13 for 40mm/ 37,13 for 10mm)	9.54	0.00					
44.40-44.67 44.40-44.67	SPT S D 47	50 (8,17 for 70mm/ 28,22 for 50mm)	08/10/2010 9.54	2.00 0.800 3.00					
45.20-45.43 45.20-45.43	SPT S D 48	50 (22,3 for 5mm/ 23,27 for 70mm)	9.54	0.00					
46.00-46.28 46.00-46.28	SPT S D 49	50 (8,17 for 70mm/ 23,27 for 60mm)	9.54	0.00					
46.80-47.05 46.80-47.05	SPT S D 50	50 (12,13 for 50mm/ 27,23 for 50mm)	9.54	0.00					
47.60-47.86 47.60-47.86	SPT S D 51	50 (9,16 for 60mm/ 27,23 for 50mm)	9.54	0.00					
48.40-48.85 48.60-48.85	SPT S D 52	N=36 (5,6/6,7,11,12)	9.54	0.00		Very stiff brown slightly sandy CLAY. (LONDON CLAY A3ii)	48.40 -44.96		
49.20-49.65 49.20-49.65	SPT S D 53	N=37 (4,6/7,9,10,11)	9.54 11/10/2010 9.54	0.00 3.00			(1.25)		
EXPLORATORY HOLE ENDS AT 49.65 m						49.65 -46.21			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m	to 9.30m 45.65m	Diameter 198mm	Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill/ Instruments	
0.00-0.20 0.20-0.50 0.20-0.50 0.80-0.95 0.80-0.95	D 1 B 2 D 3 B 4 D 5	0.00-1.20 m Hand excavated inspection pit.			Brown clayey gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	0.20-0.40 m Dark grey staining 0.95 m Concrete			
					Yellowish brown silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)				
					Sand, cobbles, cement. (Foreman's description) (MADE GROUND)				
					ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)			
10.00-10.45 10.00-10.45	SPT S D 6	N=6 (1,1/1,1,2,2)	20/07/2010 9.30	1.00 0.80	Plastic dark brown and black slightly clayey amorphous locally pseudo-fibrous PEAT. (RECENT DEPOSITS)	10.00 -8.26 (0.80)			
10.80-11.25 10.80-11.25	SPT S D 7	N=33 (3,3/7,7,9,10)	9.30	0.00	Dense grey silty slightly gravelly fine to coarse SAND. Gravel is subangular fine to medium of flint. (CRAG DEPOSITS)	10.80 -9.06 (0.80)			
11.60-12.05 11.60-12.05	SPT S D 8	N=32 (3,5/6,8,8,10)	9.30	0.00	Very dense, locally dense, grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	11.60 -9.86			
12.40-12.84 12.40-12.84	SPT S D 9	50 (4,8/11,14,15,10 for 60mm)	9.30	0.00					
13.20-13.65 13.20-13.65	SPT S D 10	N=28 (3,2/7,7,7,7)	9.30	0.00					
14.00-14.30 14.00-14.30	SPT S D 11	30 (4,9/13,16,1 for 0mm)	9.30	0.00					
14.80-15.11 14.80-15.11	SPT S D 12	50 (4,8/13,18,19 for 10mm)	9.30	0.00					
15.60-16.01 15.60-16.01	SPT S D 13	50 (3,8/13,14,15,8 for 35mm)	9.30	0.50					
16.40-16.84 16.40-16.84	SPT S D 14	50 (4,6/9,13,15,13 for 65mm)	21/07/2010 9.30	1.50 0.80					
17.20-17.57 17.20-17.57	SPT S D 15	50 (4,9/15,17,18 for 74mm)	22/07/2010 9.30	1.30					
18.00-18.34 18.00-18.34	SPT S D 16	50 (4,10/16,20,14 for 40mm)	9.30	0.00		(12.50)			
18.80-19.10 18.80-19.10	SPT S D 17	50 (4,11/18,30,2 for 0mm)	9.30	0.00					
19.60-19.86 19.60-19.86	SPT S D 18	50 (7,18/29,21 for 30mm)	9.30	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 24.10 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m	to 9.30m 45.65m	Diameter 198mm	Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
20.40-20.65 20.40-20.65	SPT S D 19	50 (8,16/29,21 for 25mm)	9.30	0.00	Very dense, locally dense, grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)							
21.20-21.46 21.20-21.46	SPT S D 20	50 (10,15 for 55mm/ 34,16 for 55mm)	9.30	0.00								
22.00-22.20 22.00-22.20	SPT S D 21	50 (12,13 for 45mm/50)	9.30	0.00								
22.80-23.07 22.80-23.07	SPT S D 22	50 (10,15 for 65mm/ 31,19 for 50mm)	9.30	0.00								
23.60-23.85 23.60-23.85	SPT S D 23	50 (6,18/37,13 for 20mm)	22/07/2010 9.30 23/07/2010 9.30	1.00 0.800 1.40								
24.40-24.65 24.40-24.65	SPT S D 24	50 (9,16 for 50mm/ 30,20 for 45mm)	9.30	0.00					Very dense greenish grey slightly silty gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional laminae of soft to firm silty clay. (CRAG DEPOSITS)	24.10 -22.36		
25.20-25.42 25.20-25.42	SPT S D 25	50 (5,20 for 70mm/50 for 70mm)	9.30	0.00								
26.00-26.24 26.00-26.24	SPT S D 26	50 (5,20/35,15 for 15mm)	9.30	0.00								
26.80-27.04 26.80-27.04	SPT S D 27	50 (8,17 for 65mm/ 31,19 for 25mm)	9.30	0.00								
27.60-27.84 27.60-27.84	SPT S D 28	49 (7,16/32,17 for 15mm)	9.30	0.00								
28.40-28.60 28.40-28.60	SPT S D 29	50 (8,17 for 40mm/ 33,17 for 10mm)	9.30	0.00								
29.20-29.45 29.20-29.45	SPT S D 30	50 (7,18/33,17 for 20mm)	9.30	0.00								
30.00-30.28 30.00-30.28	SPT S D 31	50 (7,15/22,28 for 50mm)	9.30	0.00								
30.80-31.05 30.80-31.05	SPT S D 32	50 (6,15/34,16 for 25mm)	23/07/2010 9.30 24/07/2010 9.30	1.00 0.800 1.40								
31.60-31.79 31.60-31.79	SPT S D 33	50 (12,13 for 40mm/ 44,6 for 0mm)	9.30	0.00								
32.40-32.59 32.40-32.59	SPT S D 34	50 (11,14 for 25mm/ 35,15 for 15mm)	9.30	0.00								
33.20-33.40 33.20-33.40	SPT S D 35	50 (12,13 for 30mm/ 36,14 for 15mm)	9.30	0.00								
34.00-34.24 34.00-34.24	SPT S D 36	53 (11,14 for 60mm/ 33,17 for 30mm)	9.30	0.00								
34.80-35.01 34.80-35.01	SPT S D 37	50 (12,13 for 35mm/ 37,13 for 25mm)	9.30	0.00								
35.60-35.82 35.60-35.82	SPT S D 38	50 (10,15 for 50mm/ 32,18 for 20mm)	24/07/2010 9.30 25/07/2010 9.30	1.50 0.800 1.25	Very dense grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	35.60 -33.86						
36.40-36.75 36.40-36.75	SPT S D 39	50 (10,15/18,18,14 for 50mm)	9.30	0.00								
37.20-37.46 37.20-37.46	SPT S D 40	50 (9,16 for 70mm/ 27,23 for 40mm)	9.30	0.00								
38.00-38.23 38.00-38.23	SPT S D 41	50 (8,17 for 60mm/ 33,17 for 20mm)	9.30	0.00								
38.80-39.00 38.80-39.00	SPT S D 42	50 (10,15 for 20mm/ 32,18 for 25mm)	9.30	0.00								
39.60-39.79 39.60-39.79	SPT S D 43	50 (15,10 for 25mm/ 37,13 for 15mm)	9.30	0.00								
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 44.70 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
No.	Struck (m)	Post strike behaviour						
None observed (see Key Sheet)								

Borehole Log



Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.58	SPT S D 44	55 (14,11 for 20mm/ 47.8 for 5mm)	25/07/2010	1.05	Very dense grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	(9.10)		
40.40-40.58			9.30	0800				
41.20-41.37	SPT S D 45	50 (16,9 for 15mm/ 35,15 for 5mm)	26/07/2010	1.50				
41.20-41.37			9.30	0.00				
42.00-42.21	SPT S D 46	50 (11,14 for 30mm/ 34,16 for 25mm)	9.30	0.00				
42.00-42.21			9.30	0.00				
42.80-43.08	SPT S D 47	69 (13,12 for 30mm/ 31,19,19 for 25mm)	9.30	0.00				
42.80-43.08			9.30	0.00				
43.60-43.82	SPT S D 48	50 (9,16 for 60mm/ 38,12 for 5mm)	9.30	0.00				
43.60-43.82			9.30	0.00				
44.40-44.59	SPT S D 49	50 (11,14 for 35mm/ 46,4 for 0mm)	9.30	0.00	Very stiff grey silty CLAY with occasional laminae of silt. (LONDON CLAY A3ii)	44.70 -42.96		
44.40-44.59			9.30	0.00				
45.20-45.59	SPT S D 50	50 (7,9/11,12,13,14 for 10mm)	26/07/2010	1.50	EXPLORATORY HOLE ENDS AT 45.65 m	(0.95)		
45.20-45.59			9.30	1.50				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill/ Instruments	
0.10-0.30 0.10-0.30 0.30-1.00 0.30-1.00 1.10-1.20	D 1 B 2 D 3 B 4 D 5	0.00-1.20 m Hand excavated inspection pit.			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND) Yellowish brown gravelly fine to coarse SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND) Brownish grey slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND) ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	0.10 +1.81 (1.00) 1.10 +0.81 1.20 +0.71			
10.00-10.45 10.00-10.45	SPT S D 6	N=18 (3,4/6,6,3,3)	5.70	0.00	Dense, locally very dense, light brown slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular fine to medium of mixed lithologies including flint and quartz. (CRAG DEPOSITS)	10.00 -8.09			
10.80-11.25 10.80-11.25	SPT S D 7	N=50 (6,7/10,13,14,13)	5.70	0.00					
11.60-12.05 11.60-12.05	SPT S D 8	N=35 (4,8/6,8,9,12)	5.70	0.00					
12.40-12.85 12.40-12.85	SPT S D 9	N=33 (3,3/6,8,8,11)	5.70	0.00					
13.20-13.65 13.20-13.65	SPT S D 10	N=37 (3,4/4,8,11,14)	5.70	0.00					
14.00-14.44 14.00-14.44	SPT S D 11	50 (3,8/11,13,16,10 for 65mm)	5.70	0.00					
14.80-15.25 14.80-15.25	SPT S D 12	N=38 (3,5/8,8,10,12)	5.70	0.00					
15.60-16.05 15.60-16.05	SPT S D 13	50 (2,6/6,14,16,14 for 70mm)	5.70	0.00					
16.40-16.80 16.40-16.80	SPT S D 14	50 (4,8/12,14,16,8 for 25mm)	5.70	0.00					
17.20-17.59 17.20-17.59	SPT S D 15	50 (6,6/12,17,16,5 for 10mm)	5.70	0.00					
18.00-18.38 18.00-18.38	SPT S D 16	48 (6,13/18,24,6,- for 5mm)	5.70	0.00					
18.80-19.10 18.80-19.10	SPT S D 17	50 (4,12/21,29 for 70mm)	5.70	0.00					
19.60-19.90 19.60-19.90	SPT S D 18	50 (8,15/23,27 for 70mm)	5.70	0.00					
					Stratum continues to 22.53 m				

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m	to 5.70m 45.64m	Diameter 198mm	Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
20.40-20.64 20.40-20.64	SPT S D 19	50 (8,17 for 70mm/ 34,16 for 15mm)	5.70	0.00	Very dense grey and light brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
21.20-21.42 21.20-21.42	SPT S D 20	50 (8,17 for 60mm/ 38,12 for 10mm)	5.70	0.00					
22.00-22.25 22.00-22.25	SPT S D 21	50 (5,16/30,20 for 20mm)	29/07/2010 5.70 30/07/2010	1.00 0.80 0800	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	22.53	-20.62		
22.80-23.10 22.80-23.10	SPT S D 22	50 (5,12/18,26,6 for 0mm)	5.70	0.00					
23.60-23.85 23.60-23.85	SPT S D 23	50 (6,18/33,17 for 20mm)	5.70	0.00					
24.40-24.68 24.40-24.68	SPT S D 24	50 (6,16/26,24 for 50mm)	5.70	0.00					
25.20-25.44 25.20-25.44	SPT S D 25	50 (8,17 for 70mm/ 37,13 for 15mm)	5.70	0.00					
26.00-26.30 26.00-26.30	SPT S D 26	50 (6,10/20,24,6 for 0mm)	30/07/2010 5.70 02/08/2010	1.00 0.80 0800					
26.80-27.08 26.80-27.08	SPT S D 27	50 (5,16/26,24 for 55mm)	5.70	0.00					
27.60-27.89 27.60-27.89	SPT S D 28	50 (6,11/23,27 for 60mm)	5.70	0.00					
28.40-28.78 28.40-28.78	SPT S D 29	50 (4,7/12,15,18,5 for 5mm)	5.70	0.00					
29.20-29.56 29.20-29.56	SPT S D 30	50 (4,10/15,20,15 for 60mm)	5.70	0.00					
30.00-30.37 30.00-30.37	SPT S D 31	50 (5,9/14,16,20 for 70mm)	5.70	0.00					
30.80-31.07 30.80-31.07	SPT S D 32	50 (7,17 for 70mm/ 30,20 for 50mm)	5.70	0.00					
31.60-31.86 31.60-31.86	SPT S D 33	50 (4,17/28,22 for 30mm)	5.70	0.00					
32.40-32.62 32.40-32.62	SPT S D 34	50 (11,14 for 40mm/ 30,20 for 25mm)	02/08/2010 5.70 03/08/2010	1.10 0.80 0800					
33.20-33.42	SPT S	50 (12,13 for 45mm/ 32,18 for 25mm)	5.70	0.00					
34.00-34.21	SPT S	50 (8,17 for 50mm/ 44,6 for 5mm)	5.70	0.00					
34.80-35.01	SPT S	50 (10,15 for 30mm/ 34,16 for 25mm)	5.70	0.00					
35.60-35.79	SPT S	50 (20,5 for 2mm/ 30,20 for 40mm)	5.70	0.00					
36.40-36.60	SPT S	50 (18,7 for 20mm/ 31,19 for 30mm)	5.70	0.00					
37.20-37.44	SPT S	50 (13,12 for 50mm/ 32,18 for 40mm)	5.70	0.00					
38.00-38.21	SPT S	50 (15,10 for 25mm/ 28,22 for 30mm)	5.70	0.00					
38.80-39.01	SPT S	50 (15,10 for 20mm/ 26,24 for 35mm)	03/08/2010 5.70 04/08/2010	1.30 0.80 0800					
39.60-39.85	SPT S	50 (15,10 for 30mm/ 24,26 for 70mm)	5.70	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.64 m				

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)							

Borehole Log



Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.58	SPT S	50 (15,10 for 25mm/ 43,7 for 5mm)	5.70	0.00	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
41.20-41.38	SPT S	50 (14,11 for 25mm/ 41,9 for 5mm)	5.70	0.00				
42.00-42.24	SPT S	50 (8,17/38,12 for 10mm)	5.70	0.00				
42.80-43.02	SPT S	50 (11,14 for 60mm/ 40,10 for 10mm)	5.70	0.00				
43.60-43.81	SPT S	50 (10,15 for 40mm/ 32,18 for 20mm)	5.70	0.00				
44.40-44.66	SPT S	50 (9,15/29,21 for 35mm)	5.70	0.00				
45.20-45.64	SPT S	50 (10,14/9,11,16,14 for 60mm)	5.70 04/08/2010 5.70	0.00 1.30		45.20-45.64 m Occasional pockets of firm brown sandy clay		
					EXPLORATORY HOLE ENDS AT 45.64 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole SPT 2009_11 Sheet 3 of 3
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Borehole Log



Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata			Groundwater Entries		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.10-0.50 0.10-0.50	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.99 (0.50)				
0.80-1.20 0.80-1.20	D 3 B 4		28/07/2010 1.20	dry 0800 dry	Light grey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and low cobble content. Gravel is angular to subangular fine to coarse of various lithologies including flint and concrete. Cobble are angular of concrete. (MADE GROUND)	0.60 +1.49 (0.60)				
			29/07/2010 1.20	dry	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of various lithologies including flint. (MADE GROUND)	1.20 +0.89				
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand, silty clay and peat. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)				
10.00-10.45 10.00-10.45	SPT S D 5	N=11 (1,1/2,3,3,3)	29/07/2010 5.25	0.00 0800	Plastic brown pseudo-fibrous PEAT with very soft grey slightly gravelly clayey silt. Gravel is subangular to subrounded fine to medium of flint. (RECENT DEPOSITS)	10.00 -7.91				
10.80-11.25 10.80-11.25	SPT S D 6	N=11 (1,2/3,2,3,3)	10.20	0.20		(1.60)				
11.60-12.05 11.60-12.05	SPT S D 7	N=16 (1,1/3,3,4,6)	10.20	0.20		11.60 -9.51				
12.40-12.64 12.40-12.64	SPT S D 8	3 (4,3/2,1 for 15mm)	30/07/2010 16.20	0.30 0800	Medium dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.60)				
13.20-13.65 13.20-13.65	SPT S D 9	N=46 (4,6/10,9,12,15)	02/08/2010 16.20	0.00 0800	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	13.20 -11.11				
14.00-14.40 14.00-14.40	SPT S D 10	50 (6,9/13,14,16,7 for 25mm)	10.20	0.20		(3.20)				
14.80-15.12 14.80-15.12	SPT S D 11	50 (5,14/20,23,7 for 20mm)	10.20	0.00						
15.60-15.99 15.60-16.00	SPT S D 12	50 (5,8/9,15,21,5 for 15mm)	10.20 02/08/2010 16.20	0.00 0.20 0800						
16.40-16.73 16.40	SPT S D 13	50 (4,8/14,20,16 for 30mm)	03/08/2010 10.20	0.00 0800	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded of flint. (CRAG DEPOSITS)	16.40 -14.31				
17.20-17.52 17.20	SPT S D 14	50 (6,14/22,19,9 for 20mm)	10.20	0.00		(2.70)				
18.00-18.37 18.00	SPT S D 15	50 (5,8/12,18,20 for 70mm)	10.20	0.00						
18.80-19.10 18.80	SPT S D 16	50 (6,13/21,24,5 for 0mm)	10.20	0.00						
19.60-19.90 19.60	SPT S D 17	50 (7,16/21,29 for 70mm)	10.20	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium	19.10 -17.01				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary open hole drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
20.40-20.74 20.40	SPT S D 18	50 (6,11/17,21,12 for 40mm)	10.20	0.00	gravel size shell fragments. (CRAG DEPOSITS)				
21.20-21.51 21.20	SPT S D 19	50 (6,11/18,24,8 for 5mm)	10.20	0.00					
22.00-22.19 22.00	SPT S D 20	50 (9,16 for 40mm/ 39,11 for 0mm)	03/08/2010	0.30					
22.80-23.06 22.80	SPT S D 21	50 (11,14 for 55mm/ 26,24 for 55mm)	10.20	0.00					
23.60-23.86 23.60	SPT S D 22	50 (9,16 for 65mm/ 24,26 for 45mm)	10.20	0.00					
24.40-24.62 24.40	SPT S D 23	50 (10,15 for 45mm/ 33,17 for 25mm)	10.20	0.00					
24.80-25.03	SPT S	50 (14,11 for 35mm/ 22,28 for 45mm)	10.20	0.00					
25.20-25.45 25.20	SPT S D 24	50 (10,15 for 65mm/ 30,20 for 35mm)	10.20	0.00					
26.00-26.24 26.00	SPT S D 25	50 (13,12 for 45mm/ 30,20 for 45mm)	05/08/2010 06/08/2010	0800 0.70 0.00					
26.80-27.06 26.80	SPT S D 26	50 (9,16 for 55mm/ 27,23 for 55mm)	10.20	0.00					
27.60-27.84 27.60	SPT S D 27	50 (8,17 for 60mm/ 29,21 for 30mm)	10.20	0.00					
28.40-28.70 28.40	SPT S D 28	50 (10,15 for 65mm/ 20,23,7 for 10mm)	10.20	0.00					
29.20-29.42 29.20	SPT S D 29	50 (11,14 for 35mm/ 29,21 for 35mm)	10.20	0.00					
30.00-30.22 30.00	SPT S D 30	48 (11,14 for 45mm/ 34,14 for 25mm)	06/08/2010 07/08/2010	0.30 0.90 0.90					
30.80-31.05 30.80	SPT S D 31	50 (10,15 for 55mm/ 27,23 for 45mm)	10.20	0.00					
31.60-31.83 31.60	SPT S D 32	50 (5,8/40,10 for 5mm)	10.20	0.00					
32.20-32.41 32.40-32.63 32.40	SPT S D 33	50 (12,13 for 30mm/ 50,14,11 for 30mm/ 25,25 for 35mm)	10.20	0.00					
33.20	D 34								
34.00-34.20 34.00	SPT S D 35	50 (15,10 for 30mm/ 36,14 for 20mm)	10.20 07/08/2010 08/08/2010	0.00 0.40 0.80					
34.80	D 36								
35.60-35.80 35.60	SPT S D 37	50 (17,8 for 25mm/ 33,17 for 25mm)	10.20	0.00					
36.40-36.63 36.40	SPT S D 38	50 (14,11 for 30mm/ 28,22 for 50mm)	10.20	0.00					
37.20-37.39 37.20	SPT S D 39	50 (13,12 for 30mm/ 34,16 for 10mm)	10.20	0.00					
38.00-38.22 38.00	SPT S D 40	50 (11,14 for 40mm/ 27,23 for 30mm)	10.20	0.00					
38.80-39.05 38.80	SPT S D 41	50 (12,13 for 45mm/ 27,23 for 55mm)	08/08/2010 09/08/2010	0.50 0.60 0.60					
39.60-39.81 39.60	SPT S D 42	50 (12,13 for 35mm/ 35,15 for 25mm)	10.20	0.00					
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 40.40 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.65 40.40	SPT S D 43	50 (9,16 for 55mm/ 31,19 for 45mm)	10.20	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	40.40 -38.31		
41.20-41.47 41.20	SPT S D 44	50 (14,11 for 55mm/ 22,28 for 65mm)	10.20	0.00				
42.00-42.23 42.00	SPT S D 45	50 (12,13 for 45mm/ 31,19 for 35mm)	10.20	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded of flint. (CRAG DEPOSITS)	(5.00)		
42.80-43.01 42.80	SPT S D 46	50 (11,14 for 50mm/ 36,14 for 10mm)	10.20	0.00				
43.60-43.80 43.60	SPT S D 47	50 (12,13 for 40mm/ 41,9 for 10mm)	10.20	0.00				
44.40-44.63 44.40	SPT S D 48	50 (11,14 for 55mm/ 32,18 for 25mm)	10.20 09/08/2010	0.00 1.80	Very stiff thinly laminated dark grey CLAY. (LONDON CLAY)	45.40 -43.31		
45.20-45.40 45.20	SPT S D 49	50 (11,14 for 35mm/ 38,12 for 15mm)	10.20	0.00				
46.00-46.45 46.00	SPT S D 50	N=31 (4,5/7,7,10,7)	10.20	0.00				
46.80-47.25 46.80	SPT S D 51	N=31 (3,5/6,7,9,9)	10.20 10/08/2010	0.00		47.25 -45.16		
EXPLORATORY HOLE ENDS AT 47.25 m								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MA Logged GA Checked MT	Start 14/09/2010 End 15/09/2010	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (Geobor S) using polymer mud flush. (soda ash and EZ mud gold)	Depth from 0.00m to 3.40m Diameter 146mm Casing Depth 3.00m	Ground Level +6.14 mOD Coordinates E 647088.91 National Grid N 263724.51 Chainage			
Samples and Tests			Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description		
		0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)	0.20 +5.94	
					CONCRETE. (MADE GROUND)	0.30 +5.84 (0.55)	
					Grey and brown SAND and GRAVEL. Gravel is angular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)	(2.55)	
3.40	SPFS	(4 for 6mm)	15/09/2010 3.00	1800 dry	Grey and brown gravelly SAND. Gravel is angular to subangular fine to coarse of flint, quartzite, granite and brick. (MADE GROUND)	3.40 +2.74	
					EXPLORATORY HOLE ENDS AT 3.40 m		
Depth	Type & No	Records	Date Casing	Time Water			
Groundwater Entries					Depth Related Remarks *		Chiselling
No.	Struck	Post strike behaviour (m)	Depth sealed (m)	From to (m)		Depths (m)	Time Tools used
		None observed (see Key Sheet)		3.40 Possible steel obstruction borehole terminated.			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole CPT 2009_6 RO Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:48:59							

Borehole Log



Drilled MA Logged GA Checked MT	Start 16/09/2010 End 16/09/2010	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (Geobor S) using polymer mud flush. (soda ash and EZ mud gold)	Depth from 0.00m to 2.90m Diameter 146mm Casing Depth 2.90m	Ground Level +6.15 mOD Coordinates E 647088.96 National Grid N 263726.99 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)	0.15 +6.00		
					CONCRETE. (MADE GROUND)	0.25 +5.90 (0.95)		
					Grey and brown SAND and GRAVEL. Gravel is angular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)	1.20 +4.95 (1.70)		
			16/09/2010		Grey and brown gravelly SAND. Gravel is angular to subangular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)	2.90 +3.25		
					EXPLORATORY HOLE ENDS AT 2.90 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 2.90 Possible steel obstruction borehole terminated.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PJ Logged Checked MT		Start 25/11/2010 End 25/11/2010		Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.		Depth from 0.00m to 12.00m Diameter 114mm Casing Depth		Ground Level +7.44 mOD Coordinates E 647359.22 National Grid N 264330.76 Chainage	
Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-1.50	73 N/A N/A		*			Made ground / Concrete. (Foreman's description) (MADE GROUND)	(1.50)		
1.50-3.00	33 N/A N/A					Concrete. (Foreman's description) (MADE GROUND)	1.50 +5.94 (1.50)		
3.00-4.50	100 N/A N/A					Concrete / Timber. (Foreman's description) (MADE GROUND)	3.00 +4.44 (1.50)		
4.50-6.00	100 N/A N/A					Concrete. (Foreman's description) (MADE GROUND)	4.50 +2.94 (1.50)		
6.00-9.00	50 N/A N/A					Sand and gravel. (Foreman's description) (MADE GROUND)	6.00 +1.44 (3.00)		
9.00-12.00	100 N/A N/A					Sand and gravel / peat. (Foreman's description) (MADE GROUND)	9.00 -1.56 (3.00)		
25/11/2010						EXPLORATORY HOLE ENDS AT 12.00 m	12.00 -4.56		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water				
Groundwater Entries						Depth Related Remarks *		Chiselling	
No. Struck Post strike behaviour (m)				Depth sealed (m)		From to (m)		Depths (m) Time Tools used	
None observed (see Key Sheet)						0.00 12.00 Rotary drill-out for CPT test.			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole CPT 2009_19 RC Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:49:02									

Borehole Log



Drilled PJ Logged Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 15.00m Diameter 114mm Casing Depth	Ground Level +8.48 mOD Coordinates E 647473.58 National Grid N 264377.89 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	50 N/A N/A					Made ground / sand. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	50 N/A N/A					Sand. (Foreman's description) (Possible RECENT DEPOSITS)	3.00 +5.48 (6.00)		
6.00-7.50	100 N/A N/A					Sand / silty clay. (Foreman's description) (Possible RECENT DEPOSITS)	9.00 -0.52		
7.50-9.00	100 N/A N/A						(3.00)		
9.00-12.00	100 N/A N/A					Silty clay / peat. (Foreman's description) (RECENT DEPOSITS)	12.00 -3.52		
12.00-15.00	100 N/A N/A						(3.00)		
						24/11/2010 drv	15.00 -6.52		
						EXPLORATORY HOLE ENDS AT 15.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)	Depth sealed (m) (m)	Depth Related Remarks * From to (m) 0.00 15.00 Rotary drill-out for CPT test.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PJ Logged Checked MT	Start 08/12/2010 End -	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 9.00m Diameter 114mm Casing Depth	Ground Level +2.53 mOD Coordinates E 647235.80 National Grid N 263941.00 Chainage					
Samples and Tests			Strata						
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	67 N/A N/A		*			Made ground / sand and gravel. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	100 N/A N/A					Sand and gravel. (Foreman's description) (Possible RECENT DEPOSITS)	3.00 (4.50)		
6.00-7.50	100 N/A N/A						7.50		
7.50-9.00	100 N/A N/A					Sand / peat. (Foreman's description) (MADE GROUND)	(1.50)		
				08/12/2010		EXPLORATORY HOLE ENDS AT 9.00 m	9.00		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Groundwater Entries No. Struck Post strike behaviour (m) Depth sealed (m) None observed (see Key Sheet)						Depth Related Remarks * From to (m) 0.00 9.00 Rotary drill-out for CPT test.		Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole GEO1_CPT1 RC Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:49:08									

Borehole Log



Drilled DD Logged JC Checked MT	Start 13/01/1120 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini Sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 15.00m Diameter 150mm Casing Depth 15.00m	Ground Level +3.27 mOD Coordinates E 647577.11 National Grid N 264186.96 Chainage
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Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.00-3.00	77 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey slightly gravelly SAND with occasional rootlets. Gravel is angular to subrounded fine to coarse of flint. (MADE GROUND)	0.30 (0.30) +2.97 (1.30)				
						Light yellowish brown slightly gravelly fine to medium SAND. (MADE GROUND)	1.60 +1.67 (1.40)				
						Light yellowish brown slightly gravelly to gravelly SAND. Gravel is fine to medium occasionally coarse subangular to rounded of flint. (MADE GROUND)	3.00 +0.27 (3.00)				
3.00-6.00	97 N/A N/A					Light yellowish brown very sandy GRAVEL. Gravel is angular to subrounded fine to coarse of flint. (Possible MADE GROUND)					
						Very soft blueish grey mottled black organic CLAY with rare rootlets. (RECENT DEPOSITS)	5.83 m F 6.00 -2.73 6.12 -2.85 6.29 -3.02 6.38 -3.11 (1.12)				
6.00-7.50	100 N/A N/A					Firm dark brown and blueish grey laminated organic CLAY. Laminations are of peat. (RECENT DEPOSITS)	7.50 -4.23				
7.50-9.00	100 N/A N/A					Firm dark brown pseudo-fibrous PEAT. (RECENT DEPOSITS)					
9.00-10.50	100 N/A N/A					Very soft blueish grey organic CLAY. Strong organic odour present. (RECENT DEPOSITS)	(3.65)				
10.50-12.00	100 N/A N/A					Very soft blueish grey organic CLAY with occasional medium gravel size shell fragments. (RECENT DEPOSITS)					
						Firm black amorphous PEAT. (RECENT DEPOSITS)	11.15 -7.88 (1.05)				
12.00-13.50	87 N/A N/A					Very soft blueish grey organic CLAY with fine occasionally medium gravel size shell fragments. (RECENT DEPOSITS)	12.20 -8.93 12.45 -9.18 (0.75)				
						Firm black amorphous PEAT. (RECENT DEPOSITS)	13.20 -9.93 (0.80)				
13.50-15.00	100 N/A N/A					Grey fine to medium SAND. (CRAG DEPOSITS)	14.00 -10.73 14.35 -11.08 (0.65)				
				13/01/2011 15.00	dry	Greyish brown slightly gravelly SAND. Gravel is fine to medium subangular to subrounded of flint. (CRAG DEPOSITS)	15.00 -11.73				
						Orangish brown gravelly, locally slightly gravelly, SAND. Gravel is subangular to subrounded fine to coarse of flint. (CRAG DEPOSITS)					
						EXPLORATORY HOLE ENDS AT 15.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DD Logged JC Checked MT	Start 13/01/2011 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 150mm Casing Depth 12.00m	Ground Level Coordinates +3.24 mOD E 647578.79 N 264238.07 Chainage
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Samples and Tests						Strata			Ground Level Coordinates		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.00-3.00	93 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey sandy GRAVEL with occasional rootlets. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)	(0.35) 0.35 +2.89				
						Light yellowish brown slightly gravelly, locally gravelly, fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)	(1.90) 2.25 +0.99				
						Light yellowish brown very gravelly SAND. Gravel is angular to subrounded fine to medium occasionally coarse of flint. (Possible MADE GROUND)	(0.75) 3.00 +0.24				
3.00-6.00	50 N/A N/A					Light yellowish brown very sandy GRAVEL. Gravel is fine to medium occasionally coarse of flint. (Possible MADE GROUND)	(2.55) 5.55 -2.31				
						Very soft brown mottled black organic CLAY with rare rootlets. Slight organic odour present. (RECENT DEPOSITS)	(0.85) 5.80 -2.56				
6.00-7.50	53 N/A N/A					Very soft slightly blueish grey CLAY with occasional fine gravel size shell fragments. (RECENT DEPOSITS)	(0.31) 6.65 -3.41				
						Plastic brown locally black clayey pseudo-fibrous PEAT. Strong organic odour present. (RECENT DEPOSITS)	(0.35) 6.96 -3.72				
7.50-9.00	95 N/A N/A					Soft blueish grey silty CLAY with rare rootlets and fine occasionally medium gravel size shell fragments. (RECENT DEPOSITS)	(0.65) 7.15 -3.91				
						Dark brown pseudo-fibrous PEAT. Strong organic odour present. (RECENT DEPOSITS)	(0.60) 7.50 -4.26				
9.00-10.50	0 N/A N/A					Soft blueish grey slightly sandy organic CLAY with occasional fine to medium gravel size shell fragments and occasional locally frequent organic matter. Sand is fine. (RECENT DEPOSITS)	(1.85) 8.15 -4.91				
						Soft blueish grey silty CLAY with rare rootlets and fine occasionally medium gravel size shell fragments. (RECENT DEPOSITS)	(0.60) 8.75 -5.51				
10.50-12.00	93 N/A N/A					Firm black amorphous PEAT. (RECENT DEPOSITS)	(1.22) 10.60 -7.36				
						Light brown fine to coarse SAND. (CRAG DEPOSITS)	(1.68) 11.82 -8.58				
12.00-13.50	100 N/A N/A					Light brown fine to coarse SAND. (CRAG DEPOSITS)	(1.68) 13.50 -10.26				
13/01/2011 12:00 dry						EXPLORATORY HOLE ENDS AT 13.50 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DD Logged JC Checked MT	Start 13/01/2011 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 150mm Casing Depth 12.00m	Ground Level +3.07 mOD Coordinates E 647581.81 National Grid N 264292.79 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.00-1.50	73 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			SAND and GRAVEL. (Foreman's description) (MADE GROUND)	0.00-0.40 m NO RECOVERY (0.40) 0.40 +2.67 0.70 (0.30) +2.37 1.15 (0.45) +1.92				
1.50-3.00	83 N/A N/A					Brown gravelly SAND with rare rootlets. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	1.50-1.75 m NO RECOVERY				
3.00-4.50	90 N/A N/A					Yellowish brown slightly gravelly SAND. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	3.00-3.15 m NO RECOVERY (3.75)				
4.50-6.00	100 N/A N/A					Yellowish brown very sandy, locally sandy, GRAVEL with rare fine to coarse gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint. (Possible MADE GROUND)	4.50-4.80 m brown 4.60-4.95 m rare organic matter 4.80-4.90 m black discolouration of sand and gravel 6.00-6.35 m NO RECOVERY 4.90 -1.83 (0.80)				
6.00-7.50	77 N/A N/A					Firm dark brown slightly clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	6.75-6.87 m spongy dark brown clayey pseudo-fibrous PEAT 7.04-7.16 m spongy dark brown clayey pseudo-fibrous PEAT 7.95 -4.88				
7.50-9.00	100 N/A N/A					CLAY. (Foreman's description) (Possible RECENT DEPOSITS)	7.95 -4.88				
9.00-10.50	63 N/A N/A					Soft grey slightly silty CLAY with occasional organic matter. Slight organic odour present. (RECENT DEPOSITS)	8.00 m 1 No whole shell 9.00-9.55 m NO RECOVERY 9.00 -5.93 (0.55) 9.55 -6.48				
10.50-12.00	100 N/A N/A					Soft grey CLAY with rare fine gravel size shell fragments. (RECENT DEPOSITS)	10.35 -7.28 (0.80) 10.95 -7.88 (0.60) 10.95 (0.40) -8.28 11.35 (0.30) -8.58 11.65 (0.35) -8.93 12.00 -8.93				
12.00-13.50	97 N/A N/A					Brownish grey SAND. (Possible CRAG DEPOSITS)	12.00-12.05 m NO RECOVERY 12.34-12.45 m orange brown sand (0.90) 12.90 -9.83				
				13/01/2011 12:00	drv	Brownish grey slightly gravelly SAND. Gravel is subrounded to rounded fine to coarse of flint. (Possible CRAG DEPOSITS)	13.50 -10.43				
						Brownish grey SAND. (Possible CRAG DEPOSITS)					
						Greyish brown SAND with occasional fine to medium gravel size shell fragments. (Possible CRAG DEPOSITS)					
						Brown SAND. (Possible CRAG DEPOSITS)					
						Orange brown slightly gravelly SAND. Gravel is subrounded coarse of flint. (Possible CRAG DEPOSITS)					
						EXPLORATORY HOLE ENDS AT 13.50 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged EM Checked MT	Start 07/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m	Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown clayey fine to medium SAND with fine to medium gravel size shell fragments. (TOPSOIL)		0.10 +1.22		
0.40-0.80	B 2								
1.00	W 3								
1.50-2.00	B 4				Very loose orangish brown slightly clayey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of various lithologies including claystone and flint. (Possibly RECENT DEPOSITS)		(3.80)		
2.50-2.95	SPT S	N=0 (1,0/-,-,-,-)	2.50	0.50					
2.50-3.00	D 5								
2.50-3.00	B 6								
3.50-4.00	B 7								
3.90	D 8								
4.50-5.00	B 9		07/10/2010 4.50	2.10 0800	Spongy brown pseudo-fibrous PEAT with horizons of soft grey silty clay. (RECENT DEPOSITS)		3.90 -2.58		
5.00-5.45	SPT S	N=3 (1,0/1,0,1,1)	11/10/2010 4.50	2.40 2.90					
5.00-5.45	D 10								
5.00-5.45	B 11						(3.50)		
6.00-6.45	SPT S	N=7 (1,1/2,1,2,2)	5.80	3.10					
6.00-6.45	D 12								
6.00-6.45	B 13				6.00 m becoming black				
7.00-7.45	SPT S	N=12 (1,2/2,4,3,3)	6.10	3.40					
7.00-7.45	D 14								
7.00-7.45	B 15								
7.40	D 16								
7.40	W 16A								
8.00-8.45	SPT S	N=16 (1,2/4,3,4,5)	8.00	0.00	Medium dense grey slightly silty slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		7.40 -6.08		
8.00-8.45	D 17								
8.00-8.45	B 18				7.40 m becoming amorphous 7.40 m very clayey				
9.00-9.45	SPT S	N=4 (1,0/1,1,1,1)	9.00	0.00					
9.00-9.45	D 19								
9.00-9.45	B 20								
10.00-10.45	SPT S	N=20 (3,3/4,4,6,6)	10.00	0.00					
10.00-10.45	D 21								
10.00-10.45	B 22								
11.00-11.45	SPT S	N=22 (2,3/4,4,6,8)	11.00	0.00					
11.00-11.45	D 23								
11.00-11.45	B 24								
12.00-12.45	SPT S	N=18 (1,2/3,4,5,6)	12.00	0.00					
12.00-12.45	D 25								
12.00-12.45	B 26								
13.00-13.45	SPT S	N=18 (1,2/4,4,5,5)	13.00	0.00					
13.00-13.45	D 27								
13.00-13.45	B 28								
14.00-14.45	SPT S	N=18 (1,2/4,4,5,5)	14.00	0.00			(13.05)		
14.00-14.45	D 29								
14.00-14.45	B 30								
15.00-15.45	SPT S	N=16 (2,2/3,4,4,5)	15.00	0.00					
15.00-15.45	D 31								
15.00-15.45	B 32								
16.00-16.50	B 33								
17.00-17.45	SPT S	N=16 (2,3/4,4,4,4)	17.00	0.00					
17.00-17.45	D 34								
17.00-17.45	B 35								
18.00-18.50	B 36								
19.00-19.45	SPT S	N=19 (1,2/4,5,4,6)	19.00	0.00					
19.00-19.45	D 37								
19.00-19.45	B 38								
					Stratum continues to 20.45 m				

Groundwater Entries				Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
1	1.00	Rose to 0.80 m after 20 minutes. Slow inflow	-	1.20	3.90			Water added.
2	7.40	Rose to 2.50 m after 20 minutes. Slow inflow	-					

Borehole Log



Drilled DC Logged EM Checked MT	Start 07/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m	Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.00-20.45	D 39		11/10/2010 20.45	0.00	Medium dense grey slightly silty slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS) EXPLORATORY HOLE ENDS AT 20.45 m	20.45 -19.13		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged EM Checked MT	Start 12/10/2010 End 13/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m	Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL.		0.10 +1.57		
0.50-1.00	B 2				Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint.		(0.90)		
1.20-1.70	B 3				(MADE GROUND)		1.00 +0.67		
1.60	D 4						(0.60)		
2.50-2.95	SPT S	N=16 (2,2/3,3,4,6)	2.50	1.00	CONCRETE recovered as subangular to subrounded fine to coarse GRAVEL.		1.60 +0.07		
2.50-2.95	D 5				(MADE GROUND)				
2.50-2.95	B 6				Medium dense brown slightly clayey very gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint.		(3.70)		
3.50-4.00	B 7				(Possibly MADE GROUND)				
4.50-5.00	B 8								
5.00-5.60	SPT S	N=4 (/1,1,1,1)	4.60	4.00	Plastic brown silty clayey pseudo-fibrous PEAT.		5.30 -3.63		
5.00-5.60	B 10	SW=300			(RECENT DEPOSITS)		(0.70)		
5.00-5.60	D 9						6.00 -4.33		
5.30	D 11								
6.00-6.70	SPT S	N=1 (/1,0,0,0)	5.80	3.50	Very soft grey silty CLAY with frequent plant debris present. Organic odour present.		(1.65)		
6.00-6.70	D 12	SW=400			(RECENT DEPOSITS)				
6.00-6.70	B 13								
7.00-7.65	SPT S	N=3 (/1,1,0,1)	6.90	4.00	Plastic brown silty clayey pseudo-fibrous PEAT.		7.65 -5.98		
7.00-7.65	D 14	SW=350			(RECENT DEPOSITS)				
7.00-7.65	B 15								
8.00-8.45	SPT S	N=1 (1,0/0,0,0,1)	7.60	5.30	Plastic brown silty clayey pseudo-fibrous PEAT.				
8.00-8.45	D 16				(RECENT DEPOSITS)				
8.00-8.45	B 17								
9.00-9.75	SPT S	N=4 (/1,1,1,1)	8.90	6.20					
9.00-9.75	D 18	SW=450							
9.00-9.75	B 19								
10.00-10.50	SPT S	N=4 (/1,1,1,1)	9.10	7.50			(4.85)		
10.00-10.50	D 20	SW=200			10.00 m becoming black				
10.00-10.50	B 21								
11.00-11.45	SPT S	N=6 (1,1/2,1,2,1)	10.00	8.20					
11.00-11.45	D 22				11.00-11.45 m black amorphous peat				
11.00-11.45	B 23								
12.00-12.55	SPT S	N=5 (/1,1,2,1)	10.80	10.20					
12.00-12.55	D 24	SW=250							
12.00-12.55	B 25								
12.00-12.55	W 26								
12.50	D 27								
13.00-13.45	SPT S	N=15 (1,2/3,4,4,4)	13.00	0.00	Medium dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments.		12.50 -10.83		
13.00-13.45	D 28				(CRAG DEPOSITS)				
13.00-13.45	B 29								
14.00-14.45	SPT S	N=20 (2,3/3,4,5,8)	14.00	0.00					
14.00-14.45	D 30								
14.00-14.45	B 31								
15.00-15.45	SPT S	N=33 (3,6/8,8,8,9)	15.00	0.00					
15.00-15.45	D 32		12/10/2010	0.00	15.00 m occasional shell fragments				
15.00-15.45	D 33		15.10	0.00					
15.00-15.45	B 34		13/10/2010	0.00					
15.00-15.45	B 34		15.10	3.30			(7.95)		
17.00-17.45	SPT S	N=32 (2,4/4,8,10,10)	17.00	0.00					
17.00-17.45	D 35								
17.00-17.50	B 36								
18.00-18.50	B 37								
19.00-19.45	SPT S	N=31 (2,4/6,6,8,11)	19.00	0.00					
19.00-19.45	D 38								
19.00-19.45	B 39								
Stratum continues to 20.45 m									

Groundwater Entries No. Struck Post strike behaviour Depth sealed (m)			Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used		
1	1.00	Rose to 0.80 m after 20 minutes. Slow inflow	-	15.45	20.00	Water added.	1.20 -1.60	90 mins
2	12.50	Rose to 4.60 m after 20 minutes.	-					

Borehole Log



Drilled DC Logged EM Checked MT	Start 12/10/2010 End 13/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m	Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-20.45	SPT S	N=22 (2,4/4,5,6,7)	20.00	0.00	Medium dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS) EXPLORATORY HOLE ENDS AT 20.45 m	20.45 -18.78		
20.00-20.45	D 40		13/10/2010	0.00				

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged EM Checked MT		Start 12/10/2010 End 12/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 4.00m Diameter 200mm Casing Depth 4.00m		Ground Level Coordinates National Grid Chainage	
								+13.08 mOD E 645203.79 N 263772.72	
Samples and Tests				Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey fine to medium SAND with rare rootlets. (MADE GROUND)	(1.30)			
0.80	D 2								
1.20	D 3								
2.20	D 4					1.20 m 1 piece of wood and 1 rag			
3.20	D 5								
4.00	D 6								
			12/10/2010	dry	Firm orangish brown sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of various lithologies. (MADE GROUND)	3.00 +10.08 (0.50) 3.50 +9.58 (0.50) 4.00 +9.08		SP	
					Orangish brown very clayey SAND. (Possibly MADE GROUND) EXPLORATORY HOLE ENDS AT 4.00 m				
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10		Borehole		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:50:45			Project No.		Carried out for		GW1S Sheet 1 of 1		
					NNB Generation Company Limited				

Borehole Log



Drilled MR Logged EM Checked MT		Start 05/10/2010 End 11/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m		Ground Level +13.19 mOD Coordinates E 645203.71 National Grid N 263771.17 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty slightly gravelly fine SAND with rare rootlets and fragments of plastic. Gravel is subangular fine to medium of flint. (MADE GROUND)	(0.50)				
0.80	D 2		05/10/2010	dry			0.50 +12.69			
1.20	D 3		1.20	0800 dry			0.80 +12.39			
2.20	D 4				Brown slightly silty slightly gravelly fine SAND. Gravel is subangular fine to coarse of flint and sandstone. (MADE GROUND)	(3.40)				
3.20	D 5									
4.20	D 6				Stiff orangish brown sandy slightly gravelly CLAY. Gravel is fine to medium subangular of various lithologies including flint and chalk. (MADE GROUND)	4.20 +8.99				
5.20	D 7									
6.20	D 8				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subrounded fine of chalk. (CRAG DEPOSITS)	(11.80)				
7.20	D 9									
8.20	D 10									
9.20	D 11									
10.00	D 12		06/10/2010	9.50						
11.00	D 13		10.00	0800 dry						
12.00	D 14		07/10/2010	11.00						
13.00	D 15		12.00	0800						
14.00	D 16		11/10/2010	11.00						
15.00	D 17		12.00							
16.00	D 18		11/10/2010	13.00	EXPLORATORY HOLE ENDS AT 16.00 m	16.00 -2.81			SP	
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries					Depth Related Remarks *		Chiselling			
No.	Struck	Post strike behaviour	Depth sealed (m)		From	to (m)	Depths (m)	Time	Tools used	
None observed (see Key Sheet)							1.70 -1.80	30 mins		
							4.00 -4.20	45 mins		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW1D Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14.53:45										

Borehole Log



Drilled MR Logged EM Checked MT		Start 13/10/2010 End 15/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m		Ground Level +13.07 mOD Coordinates E 645268.80 National Grid N 263831.03 Chainage				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular fine to coarse of flint. (RECENT DEPOSITS)	(0.80)						
0.80	D 2					0.80 +12.27						
1.20	D 3											
1.70	D 4				Brown slightly silty fine to medium SAND. (CRAG DEPOSITS)	(2.60)						
2.70	D 5											
3.70	D 6		13/10/2010 4.00	3.20 0800	Brown slightly silty very gravelly fine to coarse SAND. Gravel is subangular fine to medium of various lithologies including flint. (CRAG DEPOSITS)	3.40 +9.67 3.60 +9.47						
4.70	D 7		14/10/2010 4.00	0800 2.60								
5.70	D 8				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)							
6.70	D 9					(6.10)						
7.70	D 10											
8.70	D 11											
9.70	D 12				Orangish brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to medium of various lithologies including flint and sandstone. (CRAG DEPOSITS)	9.70 +3.37						
10.70	D 13											
11.70	D 14		14/10/2010 12.00	0800 11.00		(5.00)						
12.70	D 15		15/10/2010 12.00									
13.70	D 16											
14.70	D 17				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)	14.70 -1.63						
15.70	D 18		15/10/2010 16.00	13.00		(1.30)						
					EXPLORATORY HOLE ENDS AT 16.00 m	16.00 -2.93			SP			
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *					
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)	Time	Tools used
					None observed (see Key Sheet)							

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.
Scale 1:100
(c) Soil Mechanics www.soil-mechanics.com
40824 21/02/2011 14:53:48

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL
SITE A0012-10
Project No. NNB Generation Company Limited
Carried out for

Borehole GW2
Sheet 1 of 1

Borehole Log



Drilled MR Logged EM Checked MT		Start 01/10/2010 End 03/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 14.00m Diameter 200mm Casing Depth 14.00m		Ground Level +10.51 mOD Coordinates E 645663.76 National Grid N 264143.46 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL.	0.20 +10.31				
0.70	D 2				Brown fine SAND with rare rootlets. (RECENT DEPOSITS)	(0.50)				
1.20	D 3				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of flint and claystone. (CRAG DEPOSITS)	0.70 +9.81				
2.20	D 4									
3.20	D 5									
4.20	D 6									
5.20	D 7									
6.20	D 8									
7.20	D 9									
8.20	D 10			01/10/2010 7.60		6.70 0800				
9.20	D 11									
10.20	D 12									
11.20	D 13									
12.20	D 14			02/10/2010 12.00		10.50 0800				
13.20	D 15			03/10/2010 12.00		8.90				
			03/10/2010 14.00	10.20	EXPLORATORY HOLE ENDS AT 14.00 m	14.00 -3.49			SP	
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries No. Struck Post strike behaviour (m)					Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW3 Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:50										

Borehole Log



Drilled MR Logged EM Checked MT	Start 17/10/2010 End 17/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.70m Diameter 200mm Casing Depth 10.70m	Ground Level +7.17 mOD Coordinates E 646261.56 National Grid N 264492.19 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +6.97		
0.80	D 2				Orangish brown slightly silty fine to medium SAND. (CRAG DEPOSITS)	(10.50)		
1.20	D 3							
2.20	D 4							
3.20	D 5							
4.20	D 6							
5.50	D 7							
6.20	D 8							
7.20	D 9							
8.20	D 10							
9.20	D 11							
			17/10/2010					
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW4 Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:52								

Borehole Log



Drilled MR Logged GA Checked MT		Start 16/09/2010 End 16/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m		Ground Level +7.04 mOD Coordinates E 646845.74 National Grid N 264688.38 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.30	D 1				TOPSOIL.	0.10 +6.94 (0.70)								
0.80	D 2				Brown fine SAND with occasional wood fragments less than 30mm in size. (MADE GROUND)	0.80 +6.24								
1.20	D 3													
1.70	D 4				Light brown and orangish brown slightly silty slightly gravelly fine to medium SAND with rare fine gravel size shell fragments from 1.70m. Gravel is angular to subrounded fine to coarse of flint and rare quartz. (CRAG DEPOSITS)									
2.70	D 5													
3.70	D 6													
4.70	D 7						(8.90)							
5.70	D 8													
7.70	D 9		16/09/2010 7.70	5.00 0800	8.70 m soft orangish brown slightly gravelly sandy clay									
8.70	D 10		17/09/2010 7.70											
9.70	D 11						9.70 -2.67							
10.70	D 12					Orangish brown slightly silty slightly gravelly fine SAND. Gravel is subangular to subrounded fine to medium of claystone. (CRAG DEPOSITS)	(2.00)							
11.70	D 13					Orangish brown slightly silty gravelly fine SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of claystone. (CRAG DEPOSITS)	11.70 -4.67							
12.70	D 14													
13.70	D 15													
14.70	D 16													
15.70	D 17						(8.30)							
16.70	D 18													
17.70	D 19													
18.70	D 20													
19.70	D 21		17/09/2010											
Depth					EXPLORATORY HOLE ENDS AT 20.00 m									
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used						
None observed (see Key Sheet)														
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:54					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW5 Sheet 1 of 1				

Borehole Log



Drilled MR	Start 28/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.		Depth from 0.00m	to 11.50m	Diameter 200mm	Casing Depth 11.50m	Ground Level +7.00 mOD			
Logged GA	End 28/09/2010							Coordinates E 646845.25			
Checked MT								National Grid N 264689.72			
								Chainage			
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
		0.00-1.20 m Hand excavated inspection pit.			OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.00-0.10m. (TOPSOIL)	0.10 +6.90 (0.70) 0.80 +6.20					
					OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.10-0.80m. (MADE GROUND)						
					OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.80-9.70m (CRAG DEPOSITS)	(8.90)					
					OPEN HOLE BORING. No samples recovered. See GW5 strata from 9.70-11.50m. (CRAG DEPOSITS)	9.70 -2.70 (1.80)					
			28/09/2010 11.50	6.40	EXPLORATORY HOLE ENDS AT 11.50 m	11.50 -4.50		SF			
Depth	Type & No	Records	Date Casing	Time Water							
Groundwater Entries					Depth Related Remarks *			Chiselling			
No.	Struck	Post strike behaviour	Depth sealed (m)		From to (m)			Depths (m)	Time	Tools used	
None observed (see Key Sheet)											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW5A Sheet 1 of 1			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:55											

Borehole Log



Drilled MR Logged EM Checked MT	Start 03/10/2010 End 03/10/2010	Equipment, Methods and Remarks Dando 2000 Cale percussion boring.	Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m	Ground Level +0.70 mOD Coordinates E 647287.82 National Grid N 264395.34 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30 0.60	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +0.50		
1.20 2.20 3.20 4.20	D 3 D 4 D 5 D 6				Brown sandy angular to subangular fine to coarse GRAVEL of various lithologies including flint and granite. (Possibly MADE GROUND)	(4.50)		
			03/10/2010	0.20	PEAT. (Foreman's description) (RECENT DEPOSITS)	4.70 -4.00 5.00 -4.30		SP
EXPLORATORY HOLE ENDS AT 5.00 m								
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW6S Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:00								

Borehole Log



Drilled MR Logged ST Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.20m Diameter 200mm Casing Depth	Ground Level +0.75 mOD Coordinates E 647288.93 National Grid N 264397.44 Chainage					
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.	18/09/2010		Brown silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +0.65 (0.40)			
0.70	D 2						0.50 +0.25 (0.70)		
1.20	D 3					Orange brown slightly silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	1.20 -0.45		
					Dark grey silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)				
EXPLORATORY HOLE ENDS AT 1.20 m									
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth Related Remarks * From to (m) 1.20 Borehole terminated due to obstruction.		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW6D Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:57									

Borehole Log



Drilled MR Logged EM Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m	Ground Level +0.71 mOD Coordinates E 647288.22 National Grid N 264396.09 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			Brown silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.20 +0.51 0.50 (0.30) +0.21 (0.70)		
1.70	D 4				Orange brown slightly silty gravelly fine to coarse SAND with occasional fine to coarse gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	1.20 -0.49		
2.70	D 5				Dark grey silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(3.70)		
3.70	D 6				Brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies including flint and quartz. Sand is fine to coarse. Foreman reports cobbles of flint and concrete. (MADE GROUND)	4.90 -4.19		
4.70	D 7				Plastic brown amorphous PEAT. (RECENT DEPOSITS)	(1.10)		
5.70	D 8		18/09/2010		Brown slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	6.00 -5.29		
6.50	D 9		19/09/2010 6.00	0800 1.00				
7.50	D 10							
8.50	D 11							
9.50	D 12							
10.50	D 13							
11.50	D 14							
12.50	D 15					(14.00)		
13.50	D 16							SP
14.50	D 17							
15.50	D 18							
16.50	D 19							
17.50	D 20							
18.50	D 21							
19.50	D 22							
			19/09/2010	2.40	EXPLORATORY HOLE ENDS AT 20.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 1.90 -2.00 15 mins
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Borehole Log



Drilled MR Logged GA/EM Checked MT		Start 26/07/2010 End 27/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 7.60m		to 7.60m 10.50m		Diameter 200mm 150mm		Casing Depth 7.60m 9.20m		Ground Level Coordinates National Grid Chainage		+1.89 mOD E 647244.93 N 264293.32	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments					
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular fine to coarse of mixed lithologies including flint and quartz. (MADE GROUND)					(1.60)							
1.10	D 2				Orangish brown very sandy GRAVEL. Gravel is subangular to rounded fine to medium of mixed lithologies including flint and quartz. (MADE GROUND)					1.60	+0.29						
1.60	D 3																
2.00	D 4				6.00-7.00 m becoming slightly sandy					(5.40)							
3.00	D 5																
4.00	D 6																
5.00	D 7				Plastic brown clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)					7.00	-5.11						
6.00	D 8																
7.00	D 9		26/07/2010	0.00	Light brownish grey slightly silty fine to medium SAND. (CRAG DEPOSITS)					(0.80)							
7.40			27/07/2010	0800													
8.00	D 10		7.40	1.60	EXPLORATORY HOLE ENDS AT 10.50 m					7.80	-5.91						
9.00	D 11																
10.50	D 12		27/07/2010	9.20						10.50	-8.61						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries					Depth Related Remarks *			Chiselling				
No. Struck		Post strike behaviour (m)		Depth sealed (m)		From to (m)					Depths (m) Time Tools used						
None observed (see Key Sheet)						0.00 7.40 Water added to assist boring. 6.60 7.60 Bentonite seal added for clean drilling purposes.											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW7 Sheet 1 of 1							
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:01																	

Borehole Log



Drilled MR Logged EM Checked MT	Start 08/12/2010 End 09/12/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 15.70m Diameter 200mm Casing Depth 15.00m	Ground Level +7.27 mOD Coordinates E 647469.72 National Grid N 264355.19 Chainage
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Samples and Tests					Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.10 +7.17 0.30 +6.97				
0.80	D 2				Orangish brown slightly clayey SAND with rare fine gravel size shell fragments and rare rootlets. (MADE GROUND)	(0.90)				
1.00	D 3					1.20 +6.07				
2.00	D 4				Light brown slightly clayey slightly gravelly SAND. Gravel is subangular fine to coarse of various lithologies including sandstone. (MADE GROUND)	(3.70)				
3.00	D 5									
4.00	D 6				Brown very sandy subangular to subrounded fine to coarse GRAVEL of various lithologies including flint and quartzite. (MADE GROUND)	4.90 +2.37				
5.00	D 7					(1.30)				
6.00	D 8				Brown sandy subangular to subrounded fine to coarse GRAVEL of various lithologies including flint and quartzite. (MADE GROUND)	6.20 +1.07				
7.00	D 9									
8.00	D 10				Grey slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of various lithologies including flint and quartzite. (MADE GROUND)	(4.60)				
9.00	D 11		08/12/2010 6.50 09/12/2010 0800 09/12/2010 6.40 9.00							
10.00	D 12							SP		
11.00	D 13				Soft to very soft grey silty CLAY with frequent organic matter. (RECENT DEPOSITS)	10.80 -3.53				
12.00	D 14					(2.20)				
13.00	D 15				Plastic brown clayey amorphous PEAT. (RECENT DEPOSITS)	13.00 -5.73				
14.00	D 16					(2.40)				
15.00	D 17				Foreman reports grey SAND. (RECENT DEPOSITS)	15.40 -8.13 15.70 -8.43				
			09/12/2010 6.20 15.00							
					EXPLORATORY HOLE ENDS AT 15.70 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged JR Checked MT	Start 04/09/2010 End 05/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 1.20m to 6.20m Diameter 200mm Casing Depth 6.20m	Ground Level +3.05 mOD Coordinates E 647592.37 National Grid N 264454.95 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description					
		0.00-1.20 m Hand excavated inspection pit.			OPEN HOLE BORING. No samples recovered. See GW9D strata from 0.00-0.30m. (MADE GROUND)		0.20 +2.85 (1.00)			
					OPEN HOLE BORING. No samples recovered. See GW9D strata from 0.20-1.20m. (MADE GROUND)		1.20 +1.85			
			04/09/2010		OPEN HOLE BORING. No samples recovered. See GW9D strata from 1.20-4.70m. (RECENT DEPOSITS)		(3.50)			
			05/09/2010	0800	OPEN HOLE BORING. No samples recovered. See GW9D strata from 4.70-6.20m.. (RECENT DEPOSITS)		4.70 -1.65 (1.30)			
			05/09/2010		OPEN HOLE BORING. No samples recovered See GW9D strata from 6.20-10.20m. (RECENT DEPOSITS)		6.00 -2.95 6.20 -3.15		SP	
					EXPLORATORY HOLE ENDS AT 6.20 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged EM Checked MT		Start 28/07/2010 End 29/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 5.00m		Ground Level +1.76 mOD Coordinates E 647394.01 National Grid N 264178.00 Chainage							
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments							
0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown gravelly fine to coarse SAND with low cobble content. Gravel is angular to subangular fine to coarse of mixed lithologies including flint, brick and concrete. Cobbles are angular to subangular of concrete and brick. (MADE GROUND)	(0.50)									
0.60	D 2					0.50 +1.26									
1.60	D 3					(3.00)									
2.50	D 4					Greyish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint. Slight organic odour present. (MADE GROUND)									
3.50	D 5									3.50 -1.74					
4.50	D 6					Brown sandy GRAVEL. Gravel is subangular to subrounded fine to coarse of mixed lithologies including quartz and flint. (MADE GROUND)				(1.50)					
5.00	D 7									5.00 -3.24					
5.50	D 8					Very soft slightly sandy clayey SILT with occasional pockets of firm brown pseudo-fibrous clayey peat. (RECENT DEPOSITS)									SP
6.50	D 9														
7.50	D 10					Grey silty fine to medium SAND. (CRAG DEPOSITS)									
8.50	D 11														
9.60	D 12					(1.50)									
					EXPLORATORY HOLE ENDS AT 10.00 m	10.00 -8.24									
					EXPLORED TO 10.00 m										
Depth	Type & No	Records	Date Casing	Time Water											
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling								
No. Struck (m)	Post strike behaviour				From (m)	to (m)	Depths (m)	Time	Tools used						
None observed (see Key Sheet)					0.00	5.00	1.20 -1.40	15 mins							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW10 Sheet 1 of 1							
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:08															

Borehole Log



Drilled MR Logged ST Checked MT	Start 15/07/2010 End 16/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m	Ground Level +1.48 mOD Coordinates E 647150.02 National Grid N 264095.03 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.10 +1.38 (0.70)				
0.80	D 2					0.80 +0.68				
1.50	D 3				Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm brown sandy clay. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)					
2.50	D 4		15/07/2010 16/07/2010	0800		(4.70)				
3.50	D 5				Brownish grey, locally dark grey, silty slightly gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to medium of mixed lithologies including flint and shell fragments. (MADE GROUND)					
4.50	D 6									
5.50	D 7				Soft grey, locally brown, CLAY with occasional pockets of brownish grey plastic clayey pseudo-fibrous peat. Organic odour present. (RECENT DEPOSITS)	5.50 -4.02				
6.20	D 8					(2.30)				
7.00	D 9				Brownish grey plastic clayey amorphous PEAT. Strong organic odour present. (RECENT DEPOSITS)	7.80 -6.32				
8.00	D 10					(2.00)				
9.00	D 11				Grey silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (CRAG DEPOSITS)	9.80 -8.32				
10.00	D 12		16/07/2010 10.00	0.00		10.00 -8.52				
					EXPLORATORY HOLE ENDS AT 10.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Water added to assist boring.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT	Start 25/07/2010 End 25/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 0.00m to 6.00m Diameter 200mm Casing Depth 6.00m	Ground Level +1.50 mOD Coordinates E 647151.53 National Grid N 264095.47 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
		0.00-1.20 m Hand excavated inspection pit. *			Brown clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.40 (0.90)			
					Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm to stiff orangish brown thinly laminated clay. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. Occasional fine to medium gravel size shell fragments. (MADE GROUND)	1.00 +0.50 1.20 +0.30 (4.00)			
					Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine of mixed lithologies including flint. (MADE GROUND)	5.20 -3.70		SP	
			25/07/2010	0.00	CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably MADE GROUND)	(0.80)			
					CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably RECENT DEPOSITS)	6.00 -4.50			
					EXPLORATORY HOLE ENDS AT 6.00 m				

Groundwater Entries No. 1 Struck 1.00 Post strike behaviour Remaining at 1.00m after 20mins. Depth sealed (m) -	Depth Related Remarks * From 0.00 to 6.00 to 0.00 to 6.00 Water added to assist boring. No samples taken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT		Start 21/07/2010 End 23/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 10.00m		to 10.00m 21.00m		Diameter 200mm 150mm		Casing Depth 10.00m 21.00m		Ground Level Coordinates National Grid Chainage	
														+1.48 mOD E 647149.25 N 264094.93	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments			
					Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)					0.10 +1.38 (1.10)					
					Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm yellowish brown sandy clay. Gravel is subangular to rounded fine to medium of mixed lithologies including flint and shell fragments. (MADE GROUND)					1.20 +0.28 (4.00)					
					CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably MADE GROUND)					5.20 -3.72					
			21/07/2010		CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata description for GW11S.) (Probably RECENT DEPOSITS)										
			22/07/2010	0800						(4.60)					
					Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)					9.80 -8.32					
11.30	D 1														
12.30	D 2														
13.30	D 3														
14.30	D 4														
15.30	D 5		22/07/2010												
16.30	D 6		23/07/2010	0800						(11.20)					
17.30	D 7														
18.30	D 8														
19.30	D 9														
					Stratum continues to 21.00 m										
Groundwater Entries					Depth Related Remarks *					Chiselling					
No.	Struck	Post strike behaviour	Depth sealed		From to (m)					Depths (m)	Time	Tools used			
		(m)	(m)		0.00 15.30 Water added to assist boring. 9.00 10.00 Bentonite seal added for clean drilling purposes. 17.00 20.00 Re-drill due to blowing sands.										
None observed (see Key Sheet)															
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW11D Sheet 1 of 2					
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:12															

Borehole Log



Drilled MR Logged ST Checked MT	Start 21/07/2010 End 23/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m to 21.00m Diameter 150mm	Ground Level +1.48 mOD Coordinates E 647149.25 National Grid N 264094.93 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			23/07/2010		Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS) EXPLORATORY HOLE ENDS AT 21.00 m	21.00 -19.52		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT		Start 23/11/2010 End 07/12/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 12.70m Diameter 200mm Casing Depth 12.70m		Ground Level +8.58 mOD Coordinates E 647508.00 National Grid N 264090.70 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.20 +8.38			
0.80	D 2				Orangish brown slightly silty SAND with occasional fine gravel size shell fragments and occasional pockets of stiff grey orange brown silty clay up to 20mm in size. (MADE GROUND)	(4.30)			
1.00	D 3								
2.00	D 4								
3.00	D 5				Orangish brown slightly silty gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including concrete, flint and granite. (MADE GROUND)	4.50 +4.08			
4.00	D 6								
5.00	D 7								
6.00	D 8				Multicoloured slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)	(3.80)			
7.00	D 9		23/11/2010 6.50 7.00 0800 24/11/2010 0800 7.00 5.00						
8.00	D 10								
9.00	D 11				Dark grey slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)	8.30 +0.28			
10.00	D 12		24/11/2010 6.10 10.00 0800 07/12/2010 0800 10.00 7.70						
11.00	D 13								
12.00	D 14				EXPLORATORY HOLE ENDS AT 12.70 m	(1.70)			
			07/12/2010 8.70 12.70						
						12.70 -4.12			SP
Groundwater Entries		Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m) Time Tools used			
No. Struck (m)	Post strike behaviour			From to (m)		7.20 -7.50 60 mins			
None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW12 Sheet 1 of 1			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:54:15									

Borehole Log



Drilled MR Logged ST Checked MT		Start 06/09/2010 End 06/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +3.19 mOD Coordinates E 647574.54 National Grid N 264085.00 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey fine to medium SAND with frequent rootlets. (MADE GROUND)	0.20 +2.99 (0.60)			
0.70	D 2				0.80 +2.39				
1.20	D 3				Yellowish grey sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)				
1.70	D 4								
2.70	D 5				Multicoloured sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)				
3.70	D 6								
4.70	D 7				Dark grey slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)				
5.70	D 8								
6.70	D 9				Very soft grey slightly gravelly silty CLAY. Gravel is angular to rounded fine to medium of flint (possibly from above stratum). Strong organic odour present. (RECENT DEPOSITS)				
7.50	D 10								
8.50	D 11				9.50 m occasional brown plant debris				
9.50	D 12								
					EXPLORATORY HOLE ENDS AT 10.00 m	10.00 -6.81			
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 9.00 10.00 Redrill - borehole collapsed.			Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:16			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW13 Sheet 1 of 1			

Borehole Log



Drilled MR Logged ST/JH Checked MT	Start 03/08/2010 End 06/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)	Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m	Ground Level Coordinates National Grid Chainage	+1.58 mOD E 647316.70 N 264003.73
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 (0.30) -1.48 0.40 +1.18 (0.60)			
0.80	D 2								
1.20	D 3				Yellowish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)	1.00 +0.58			
2.20	D 4					(2.00)			
3.20	D 5				Brownish grey, locally dark grey, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. Organic odour present. (MADE GROUND)	3.00 -1.42 (1.20)			
4.20	D 6		03/08/2010 04/08/2010	0800		4.20 -2.62		SP	
5.20	D 7				Brownish grey silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)	(2.00)			
6.20	D 8					6.20 -4.62			
7.20	D 9				Brownish grey slightly silty sandy GRAVEL with rare fine to medium gravel size shell fragments. Gravel is fine to coarse angular to subrounded of various lithologies including flint. (MADE GROUND)	(2.80)			
8.50	D 10								
9.00	D 11				Soft grey silty slightly sandy CLAY with occasional brown rootlets. Slight organic odour present. (RECENT DEPOSITS)	9.00 -7.42			
9.60-10.05	U 12	150 blows	9.60	0.00		8.80-9.00 m very soft dark brownish grey peaty clay 9.60-10.05 m U12 split tube description			
10.50-10.95	U 13	200 blows	10.50	0.00		10.00 m black U13 split tube description			
10.95	D 14				Plastic dark greyish brown clayey amorphous, locally pseudo-fibrous PEAT with a strong organic odour. (RECENT DEPOSITS)	(4.05)			
11.40-11.85	U 15	80 blows	11.40	0.00		11.40-11.85 m U15 split tube description			
11.85	D 16								
12.10-12.55	U NR	120 blows No recovery	12.10	0.00		12.60-13.05 m U18 split tube description			
12.55	D 17				Yellowish brown, locally greenish grey and dark grey, locally slightly silty fine to coarse SAND with frequent coarse sand to fine gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	13.05 -11.47			
12.60-13.05	U 18	200 blows	12.60	0.00		13.30-13.75 m U20 split tube description			
13.05	D 19								
13.30-13.75	U 20	100 blows	13.30	0.00		14.10-14.55 m U22 split tube description			
13.75	D 21		04/08/2010 13.30	0.00					
14.10-14.55	U 22	100 blows	05/08/2010 13.30	0.00	Grey slightly silty fine to coarse SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)				
14.70-15.15	U 23	27 blows	14.70	0.00		15.30-15.75 m U24 split tube description			
15.30-15.75	U 24	40 blows	15.30	0.00		16.00-16.45 m U25 split tube description			
16.00-16.45	U 25	44 blows	16.00	0.00		16.60-17.05 m U26 split tube description			
16.60-17.05	U 26	50 blows	16.60	0.00		17.30-17.75 m U27 split tube description			
17.30-17.75	U 27	80 blows	05/08/2010 17.30	0.00					
17.75	D 22		06/08/2010 17.30	0.00					
18.10-18.55	U 28	17 blows	18.10	0.00		18.10-18.55 m U28 split tube description	(9.35)		
18.90-19.35	U 29	83 blows	18.90	0.00		18.90-19.35 m U29 split tube description			
19.60-20.05	U 30	40 blows	19.60	0.00		19.60-20.05 m U30 split tube description			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.40 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
1	1.00	Slow inflow			9.60	22.40	3.40-3.70	60 mins	

Borehole Log



Drilled MR Logged ST/JH Checked MT	Start 03/08/2010 End 06/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)	Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m	Ground Level +1.58 mOD Coordinates E 647316.70 National Grid N 264003.73 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
20.30-20.75	U 31	30 blows	20.30	0.00	Grey slightly silty fine to coarse SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	description 20.30-20.75 m U31 split tube			
21.10-21.55	U 32	47 blows	21.10	0.00		description 21.10-21.55 m U32 split tube			
21.70-22.15	U 33	40 blows	21.70	0.00		description 21.70-22.15 m U33 split tube			
22.20-22.40	U NR	150 blows No recovery	06/08/2010	0.00		description 22.20-22.40 m			
					EXPLORATORY HOLE ENDS AT 22.40 m		22.40 -20.82		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 22.10 -22.20 60 mins
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:46:36	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW15 Sheet 2 of 2
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Borehole Log



Drilled MR Logged ST Checked MT	Start 08/08/2010 End 09/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 19.80m	Ground Level +6.48 mOD Coordinates E 647439.23 National Grid N 263800.30 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments			
Depth	Type & No	Records	Date Casing	Time Water	Description							
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)		0.20 +6.28		SP			
0.80	D 2				0.20-0.40 m well compacted with laminae on faces of inspection pit		(1.30)					
1.50	D 3				Light yellowish grey slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional pockets of silty friable orange brown sandy clay. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)		1.50 +4.98					
2.50	D 4				Orange brown slightly clayey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. Gravel is angular to rounded fine of various lithologies including flint. (Probably MADE GROUND)							
3.50	D 5											
4.50	D 6				4.50 m gravel is fine to coarse including sandstone		(13.00)					
5.50	D 7											
6.50	D 8											
7.50	D 9											
8.50	D 10											
9.50	D 11											
10.50	D 12									08/09/2010 7.00		
										10.50 0800		
										09/09/2010 6.00		
					10.50							
11.50	D 13											
12.50	D 14											
13.50	D 15											
14.50	D 16									14.50-20.00 m no gravel		14.50 -8.02
15.50	D 17									Orange brown slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. (Probably MADE GROUND)		(5.50)
16.50	D 18											
17.50	D 19											
18.50	D 20											
19.50	D 21	09/09/2010 7.00										
EXPLORATORY HOLE ENDS AT 20.00 m												

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log

Drilled MR Logged PM Checked MT		Start 26/10/2010 End 29/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 11.00m		Diameter 200mm		Casing Depth 11.00m		Ground Level +6.34 mOD Coordinates E 647280.95 National Grid N 263801.02 Chainage	
Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey subangular coarse GRAVEL of granite. (Foreman's description) (MADE GROUND)					0.20	+6.14		
0.80	D 2												
1.20	D 3				Orangish brown slightly silty slightly gravelly SAND. Gravel is subrounded fine to coarse of sandstone, flint and chalk. (MADE GROUND)								
2.00	D 4												
3.00	D 5												
4.00	D 6												
5.00	D 7		26/10/2010 4.70	3.50									
6.00	D 8		27/10/2010 4.70	0810 3.50									
7.00	D 9												
8.00	D 10												
9.00	D 11												
10.00	D 12												
11.00	D 13		27/10/2010 11.00		EXPLORATORY HOLE ENDS AT 11.00 m					11.00	-4.66		SP
Depth	Type & No	Records	Date Casing	Time Water									
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks *					Chiselling Depths (m) Time Tools used			
None observed (see Key Sheet)													
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited				Borehole GW17 Sheet 1 of 1					
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:24													

Borehole Log



Drilled MR Logged CH Checked MT	Start 14/03/2011 End 15/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 12.20m Diameter 200mm Casing Depth 12.20m	Ground Level +6.34 mOD Coordinates E 647118.99 National Grid N 263702.95 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit			Flint GRAVEL fill. (Foreman's description) (MADE GROUND)	0.10 +6.24			
0.80	D 2								
1.00	D 3								
2.00	D 4	Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of sandstone. (MADE GROUND)			(12.10)				
3.00	D 5								
4.00	D 6								
5.00	D 7								
6.00	D 8								
7.00	D 9								
8.00	D 10								
9.00	D 11								
10.00	D 12		14/03/2011 1800 10.00 9.00 15/03/2011 0800 10.00 7.00						
11.00	D 13								
12.00	D 14	15/03/2011 1800 12.20 7.00							
EXPLORATORY HOLE ENDS AT 12.20 m						12.20 -5.86		SP	

Groundwater Entries				Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
1	9.00	Rose to 7.00 m after 60 minutes.	-	1.20	9.00			Water added to assist boring.

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole GW18 Sheet 1 of 1
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Borehole Log



Drilled MR Logged JH/EM Checked MT	Start 14/10/2010 End 15/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m	Ground Level +2.72 mOD Coordinates E 647078.66 National Grid N 262945.07 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of brick, flint and concrete. (MADE GROUND)	(0.60)		
0.80	D 2		14/10/2010	dry		0.60 +2.12		
1.20	D 3		15/10/2010	0800 dry	Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)			
1.70	D 4		1.20	dry				
2.70	D 5							
3.70	D 6							
4.70	D 7				4.70 m rare shell fragments			
5.70	D 8				5.70 m slightly gravelly. Gravel is subangular fine to medium of various lithologies including sandstone and flint.	(9.40)		
6.70	D 9							
7.70	D 10							
8.70	D 11							
9.70	D 12		15/10/2010	3.50				
			10.00		EXPLORATORY HOLE ENDS AT 10.00 m	10.00 -7.28		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged JH/EM Checked MT	Start 23/08/2010 End 23/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 13.00m Diameter 200mm Casing Depth 13.00m	Ground Level +8.73 mOD Coordinates E 647056.20 National Grid N 262796.55 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown gravelly fine to coarse SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, mudstone and sandstone. (MADE GROUND)	(0.60)		
0.70	D 2					0.60 +8.13		
1.10	D 3					(0.40)		
1.70	D 4				Brown fine to coarse SAND. (MADE GROUND)	1.00 +7.73		
2.70	D 5					(3.70)		
3.70	D 6				Orangish brown silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Possibly MADE GROUND)			
4.70	D 7					4.70 +4.03		
5.70	D 8							
6.70	D 9				Firm orangish brown, locally, grey slightly sandy CLAY. Sand is fine to coarse. (Possibly MADE GROUND)			
7.70	D 10		23/08/2010 2.50			(4.50)		
			24/08/2010 0800					
			24/08/2010 2.40					
			7.70					
9.20	D 11				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)	9.20 -0.47		
10.00	D 12							
11.00	D 13					(3.80)		
12.00	D 14							
13.00	D 15		24/08/2010 13.00		EXPLORATORY HOLE ENDS AT 13.00 m	13.00 -4.27		SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged EM Checked MT		Start 24/08/2010 End 01/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +3.22 mOD Coordinates E 647261.34 National Grid N 262800.61 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.30 0.50	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint and sandstone. (MADE GROUND)	(0.40) 0.40 +2.82								
1.00	D 3					(0.60) 1.00 +2.22								
1.50	D 4				Brown fine to medium SAND. (MADE GROUND)									
2.50	D 5				Orangish brown fine to medium SAND. (Possibly RECENT DEPOSITS)	(3.50)								
3.50	D 6													
4.50	D 7				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of claystone. (Possibly RECENT DEPOSITS)	4.50 -1.28								
5.50	D 8													
6.50	D 9					(5.00)								
7.50	D 10													
8.50	D 11													
9.50	D 12		24/08/2010	3.00	Soft orangish brown mottled grey sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of mixed lithologies including claystone. (Possibly RECENT DEPOSITS)	9.50 -6.28 (0.50)								
			10.00		EXPLORATORY HOLE ENDS AT 10.00 m	10.00 -6.78								
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)	Time	Tools used		
					None observed (see Key Sheet)					6.60 -6.70	30 mins			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW22 Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:29														

Borehole Log



Drilled MR Logged PM Checked MT		Start 19/10/2010 End 21/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 9.60m		Ground Level +2.21 mOD Coordinates E 647128.21 National Grid N 262666.33 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of sandstone and flint.	(0.80)				
0.80	D 2				(MADE GROUND)	0.80 +1.41				
1.20	D 3				Very soft dark brown very sandy CLAY. (Possibly MADE GROUND)	(0.90)				
2.20	D 4				Greyish brown slightly silty slightly gravelly SAND. Gravel is subrounded fine to coarse of various lithologies. (Possibly MADE GROUND)	1.70 +0.51				
3.20	D 5				Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. (Possibly RECENT DEPOSITS)	(1.00)				
4.20	D 6					2.70 -0.49				
5.20	D 7									
6.20	D 8					(7.30)				
7.20	D 9									
8.20	D 10									
9.20	D 11									
			19/10/2010	9.60	EXPLORATORY HOLE ENDS AT 10.00 m	10.00	-7.79			
Depth	Type & No	Records	Date Casing	Time Water	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used		
Groundwater Entries No. Struck Post strike behaviour (m)					None observed (see Key Sheet)					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole GW23 Sheet 1 of 1			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:31										

Borehole Log



Drilled MR Logged PM Checked MT	Start 28/10/2010 End 29/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 4.70m Diameter 200mm Casing Depth 4.70m	Ground Level +1.52 mOD Coordinates E 647158.40 National Grid N 264256.13 Chainage						
Samples and Tests			Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +1.32				
0.60	D 2									
1.00	D 3						Orangish brown slightly silty slightly gravelly SAND with frequent fine gravel sized shell fragments. Gravel is subangular fine to medium of sandstone and flint.	(1.80)		
2.00	D 4						(MADE GROUND)	2.00 -0.48		
3.00	D 5						Greyish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular fine to coarse of flint and chalk.	(2.50)		
4.00	D 6						(Possibly RECENT DEPOSITS)			
4.70	D 7					28/10/2010		Plastic dark brown grey clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	4.50 -2.98 4.70 -3.18	
					EXPLORATORY HOLE ENDS AT 4.70 m					
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW24S Sheet 1 of 1						
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:34										

Borehole Log



Drilled MR Logged PM Checked MT		Start 21/10/2010 End 28/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.20m Diameter 200mm Casing Depth 16.00m		Ground Level +1.44 mOD Coordinates E 647157.13 National Grid N 264254.47 Chainage				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +1.24						
0.80	D 2				Orangish brown slightly silty SAND with frequent fine to medium gravel size shell fragments.	(1.00)						
1.20	D 3				(MADE GROUND)	1.20 +0.24						
2.00	D 4				Greyish brown slightly silty slightly gravelly SAND with occasional fine gravel sized shell fragments. Gravel is subangular fine to coarse of flint and chalk.	(3.20)						
3.00	D 5				(Possibly RECENT DEPOSITS)							
4.00	D 6				Plastic dark brown black slightly sandy pseudo-fibrous PEAT.	4.40 -2.96						
5.00	D 7				(RECENT DEPOSITS)	(1.60)						
6.00	D 8				Soft grey slightly sandy CLAY with pockets of black pseudo-fibrous peat.	6.00 -4.56						
7.00	D 9				(RECENT DEPOSITS)	(1.20)						
8.00	D 10				Plastic dark brown amorphous PEAT.	7.20 -5.76						
9.00	D 11				(RECENT DEPOSITS)	(1.80)						
10.00	D 12				Brown slightly silty SAND with frequent fine to medium gravel sized shell fragments.	9.00 -7.56						
11.00	D 13				(CRAG DEPOSITS)	(7.20)						
12.00	D 14											
13.00	D 15											
14.00	D 16											
15.00	D 17											
16.00	D 18											
			21/10/2010 16.00	3.30	EXPLORATORY HOLE ENDS AT 16.20 m	16.20 -14.76			SP			
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *					
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)	Time	Tools used
					None observed (see Key Sheet)							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for					Borehole GW24D Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:54:33												

Borehole Log



Drilled MR Logged ST Checked MT	Start 14/11/2010 End 15/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.50m Diameter 200mm Casing Depth	Ground Level +7.10 mOD Coordinates E 647333.73 National Grid N 264325.22 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.30 (0.30) +6.80			
0.60	D 2					(1.20)			
1.00	D 3			14/11/2010		Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments and rare pockets of very stiff orangish brown silty clay. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	1.50 +5.60		
			15/11/2010	0800 dry	EXPLORATORY HOLE ENDS AT 1.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 1.40 -1.50 30 mins 1.50 -1.50 30 mins
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Borehole Log



Drilled MR Logged ST Checked MT	Start 15/11/2010 End 15/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.20m Diameter - Casing Depth -	Ground Level +7.10 mOD Coordinates E 647332.63 National Grid N 264325.65 Chainage
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Samples and Tests				Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) EXPLORATORY HOLE ENDS AT 1.20 m	(1.20)			
0.80	D 2		15/11/2010				1.20	+5.90	
1.00	D 3								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 Terminated due to obstruction.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT	Start 15/11/2010 End 18/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.50m Diameter 200mm Casing Depth 10.50m 150mm	Ground Level +7.14 mOD Coordinates E 647331.91 National Grid N 264325.67 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with rare rootlets and rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint and concrete. (MADE GROUND)	(2.00)			
0.80	D 2								
1.00	D 3								
2.00	D 4				Multicoloured sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint, concrete and plastic. Sand is fine to coarse. (MADE GROUND)	2.00 +5.14			
3.00	D 5								
4.00	D 6				Multicoloured slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint with rare pockets of very soft dark grey silty clay. Sand is fine to coarse. (RECENT DEPOSITS)	(4.50)			
5.00	D 7		15/11/2010	div					
6.00	D 8		16/11/2010	0800					
7.00	D 9		16/11/2010	2.30	Very soft thickly laminated blueish grey silty CLAY with organic odour. (RECENT DEPOSITS)	6.50 +0.64			
8.00	D 10		5.00						
9.00	D 11				10.00-10.40 m foreman reports cobbles	10.40 -3.26			
10.00	D 12								
11.00	D 13		16/11/2010	10.50	Grey very silty SAND with slight organic odour. (Possibly CRAG DEPOSITS)	(2.10)			
12.00	D 14		18/11/2010	0800					
13.00	D 15		18/11/2010	7.20	12.00 m pockets of firm dark grey clayey amorphous peat	12.50 -5.36			
14.00	D 16								
15.00	D 17		18/11/2010	9.00	EXPLORATORY HOLE ENDS AT 15.00 m	15.00 -7.86			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 1.50 -1.70 60 mins 4.90 -5.00 30 mins 5.00 -5.20 30 mins 6.60 -6.70 45 mins
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Borehole Log



Drilled MR Logged EM Checked MT		Start 30/07/2010 End 02/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 5.60m		Diameter 200mm Casing Depth 5.60m		Ground Level Coordinates National Grid Chainage					
										+1.46 mOD E 647152.74 N 264251.81					
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments			
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine SAND with rare shell fragments. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)					(0.70)					
0.70	D 2									0.70			+0.76		
1.20	D 3														
2.60	D 4	Brown gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint and quartz. (MADE GROUND)			Brown gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint and quartz. (MADE GROUND)					(3.20)					
3.60	D 5														
4.60	D 6														
5.60	D 7	Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)	30/07/2010	0.00	Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)					3.90	-2.44				
6.60	D 8		5.60	0800						(5.10)					
7.60	D 9		02/08/2010	5.60											
8.60	D 10	Brownish grey slightly silty fine to medium SAND. (CRAG DEPOSITS)	02/08/2010		Brownish grey slightly silty fine to medium SAND. (CRAG DEPOSITS)					9.00	-7.54				
9.60	D 11									(0.60)	-8.14				
					EXPLORATORY HOLE ENDS AT 9.60 m										
Depth	Type & No	Records	Date Casing	Time Water											
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks *					Chiselling Depths (m)		Time		Tools used	
None observed (see Key Sheet)					0.00 5.60 Water added to assist boring.										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole		G2		Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com			Project No.		A0012-10										
408.24 21/02/2011 15:01:46			Carried out for		NNB Generation Company Limited										

Borehole Log



Drilled MR Logged EM Checked MT	Start 07/08/2010 End 07/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m	to 7.80m	Diameter 200mm	Casing Depth 7.80m	Ground Level +1.53 mOD Coordinates E 647154.03 National Grid N 264250.77 Chainage	
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine SAND with rare shell fragments. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	(0.40) 0.40 +1.13		
					Brown gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint and quartz. (MADE GROUND)	(3.80)		
					Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)	4.20 -2.67 (3.60)		
			07/08/2010		EXPLOATORY HOLE ENDS AT 7.80 m	7.80 -6.27		SP
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling	
No. Struck Post strike behaviour (m)					From to (m)		Depths (m) Time Tools used	
None observed (see Key Sheet)								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited			Borehole G2A Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:48								

Borehole Log



Drilled MR Logged JH Checked MT	Start 19/08/2010 End 19/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from to Diameter Casing Depth	Ground Level +1.58 mOD Coordinates E 647255.25 National Grid N 264165.65 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-0.80 m Hand excavated inspection pit.	19/08/2010		TOPSOIL.	0.05 +1.53 (0.55)		
0.70	D 2				Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint and mudstone. (MADE GROUND)	0.60 +0.98 0.80 +0.78		
					Orange brown SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, sandstone and mudstone. (MADE GROUND)			
					EXPLORATORY HOLE ENDS AT 0.80 m			
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 0.80 Borehole terminated due to concrete obstruction.		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10		Borehole G3		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:49			Project No.	NNB Generation Company Limited		Sheet 1 of 1		

Borehole Log



Drilled MR Logged JH Checked MT	Start 19/08/2010 End 19/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from to Diameter Casing Depth	Ground Level +1.60 mOD Coordinates E 647256.28 National Grid N 264166.96 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-0.90 m Hand excavated inspection pit.	19/08/2010		TOPSOIL. Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, concrete and sandstone. (MADE GROUND)	0.05 +1.55 (0.55) 0.60 +1.00 (0.30) 0.90 +0.70		
					Greyish brown sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint and mudstone with occasional fine gravel size shell fragments. Sand is fine to coarse. (MADE GROUND)			
					EXPLORATORY HOLE ENDS AT 0.90 m			
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 0.90 Borehole terminated due to concrete obstruction.			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole G3A Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:51								

Borehole Log



Drilled MR Logged JH/ST Checked MT	Start 19/08/2010 End 20/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 9.20m Diameter 200mm Casing Depth 9.20m	Ground Level +1.58 mOD Coordinates E 647256.77 National Grid N 264168.25 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
		0.00-1.20 m Hand excavated inspection pit.			TOPSOIL.		0.05 +1.53 (0.55)		
1.50	D 3		19/08/2010		Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, concrete and brick. (MADE GROUND)		0.60 +0.98		
2.50	D 4		20/08/2010	0800	Greyish brown slightly silty gravelly SAND with medium cobble content and occasional pockets of organic matter. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete, flint and brick. Cobbles are subangular of concrete. (MADE GROUND)		(3.00)		
3.60	D 5				Soft grey slightly sandy CLAY with rare rootlets. Sand is fine. (RECENT DEPOSITS)		3.60 -2.02 (0.90)		
4.50	D 6				Firm dark brown clayey pseudo-fibrous PEAT with strong organic odour. (RECENT DEPOSITS)		4.50 -2.92		
5.50	D 7				Plastic dark brown amorphous PEAT with strong organic odour. (RECENT DEPOSITS)		(2.00)		
6.50	D 8				Dark grey brown silty fine to medium SAND. (Possibly CRAG DEPOSITS)		6.50 -4.92 (1.00)		SP
7.50	D 9				EXPLORATORY HOLE ENDS AT 9.20 m		7.50 -5.92		
8.50	D 10						(1.70)		
9.20	D 11		20/08/2010	9.20			9.20 -7.62		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT	Start 11/08/2010 End 11/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.60m Diameter 200mm Casing Depth 10.60m	Ground Level +2.01 mOD Coordinates E 647416.58 National Grid N 263987.34 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orange brown slightly silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.00-0.20 m frequent rootlets	(1.00)		
0.80	D 2						1.00 +1.01		
1.50	D 3						(1.50)		
2.50	D 4				Yellowish grey slightly silty slightly gravelly SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)		2.50 -0.49		
3.50	D 5						(2.70)		
4.50	D 6				Brownish grey slightly silty gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)		5.20 -3.19		
5.50	D 7								
6.50	D 8				Very soft brownish grey sandy organic CLAY with rare fine gravel size shell fragments and slight organic odour. (RECENT DEPOSITS)	6.50 m locally greenish grey	(4.30)		
7.50	D 9								
8.80	D 10					8.50 m firm dark grey clayey amorphous peat			
9.50	D 11				Grey silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		9.50 -7.49		SP
			11/08/2010	1.30			(1.10)		
			10.60				10.60 -8.59		
					EXPLORATORY HOLE ENDS AT 10.60 m				

Groundwater Entries No. Struck Post strike behaviour 1 1.20 Rose to 1.00 m after 20 minutes.			Depth sealed (m) 1.00	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged EM Checked MT	Start 07/10/2010 End 13/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m	Ground Level +6.15 mOD Coordinates E 647361.78 National Grid N 263891.50 Chainage
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Samples and Tests					Strata			Ground Level Coordinates		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (Possibly RECENT DEPOSITS)	(1.20)				
0.80	D 2					1.20 +4.95				
1.80	D 3				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)	(6.00)				
2.20	D 4									
3.20	D 5									
4.20	D 6									
5.00	D 7									
6.20	D 8									
7.20	D 9				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (Possibly RECENT DEPOSITS)	7.20 -1.05				
8.20	D 10					(1.00)				
8.20	D 10					8.20 -2.05				
9.20	D 11				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)	(1.80)				
9.20	D 11									
10.00	D 12		07/10/2010 10.00	dry	9.20 m becoming silty with rare shell fragments	10.00 -3.85				
					EXPLORATORY HOLE ENDS AT 10.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT		Start 09/11/2010 End 06/12/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +10.25 mOD Coordinates E 647529.36 National Grid N 263829.26 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description		Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)		0.20 +10.05		
0.80	D 2				Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint. (MADE GROUND)		(1.30)		
1.00	D 3						1.50 +8.75		
2.00	D 4				Grey slightly sandy angular to subangular fine to coarse GRAVEL of mixed lithologies including flint and concrete. Sand is fine to coarse. (MADE GROUND)		(3.10)		
3.00	D 5		09/11/2010 3.50	dry 0800			4.00 m pockets of very soft orangish brown silty sandy clay	4.60 +5.65	
4.00	D 6		10/11/2010 3.50	dry	Light grey slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)		(1.40)		
5.00	D 7						6.00 +4.25		
6.00	D 8				Multicoloured slightly sandy angular to rounded fine to medium GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)		(2.80)		
7.00	D 9						8.80 +1.45		
8.00	D 10				Orangish brown slightly silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)		(1.20)		
9.00	D 11		10/11/2010 10.00	dry			10.00 +0.25		
10.00	D 12				EXPLORATORY HOLE ENDS AT 10.00 m				
Depth	Type & No	Records	Date Casing	Time Water	Description		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Groundwater Entries					Depth Related Remarks *		Chiselling		
No.	Struck	Post strike behaviour	Depth sealed (m)		From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)							1.50 -1.70	45 mins	
							2.20 -2.40	30 mins	
							3.50 -3.70	30 mins	
							7.90 -8.00	30 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole G6 Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:57									

Borehole Log



Drilled MR Logged GA Checked MT		Start 08/09/2010 End 08/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +11.13 mOD Coordinates E 645996.94 National Grid N 264351.59 Chainage				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark greyish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint.			(0.60)				
0.70	D 2				(TOPSOIL)			0.60 +10.53				
1.50	D 3				Dark brown slightly gravelly fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint.			(0.90)				
2.50	D 4	170 blows	2.60	dry	(Possibly RECENT DEPOSITS)			1.50 +9.63				
2.60-3.05	U 5						Orangish brown slightly clayey gravelly fine to medium SAND with occasional fine to coarse gravel size pockets of very soft clay. Gravel is angular to subangular fine to medium of flint and rare claystone.			(1.55)		
3.05	D 6						(Possibly RECENT DEPOSITS)			3.05 +8.08		
3.50	D 7				Orangish brown and brown silty sandy CLAY.			(0.45)				
4.50	D 8				(Possibly RECENT DEPOSITS)			3.50 +7.63				
5.50	D 9				Orangish brown slightly clayey gravelly fine to medium SAND with occasional fine to coarse gravel size pockets of very soft clay. Gravel is angular to subangular fine to medium of flint and rare claystone.			(6.50)				
6.50	D 10				6.50 m firm orangish brown mottled grey and dark grey fissured clay							
7.50	D 11				(Possibly RECENT DEPOSITS)							
8.50	D 12											
9.50	D 13											
10.00	D 14		08/09/2010		9.50-10.00 m gravel is subrounded to rounded fine to medium of flint			10.00 +1.13				
					EXPLORATORY HOLE ENDS AT 10.00 m							
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries							
No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)					Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)												
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole		
Scale 1:100			Project No.		A0012-10					BH1		
(c) Soil Mechanics www.soil-mechanics.com			Carried out for		NNB Generation Company Limited					Sheet 1 of 1		

Borehole Log



Drilled MR Logged ST Checked MT		Start 09/09/2010 End 09/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +7.89 mOD Coordinates E 646522.43 National Grid N 264630.37 Chainage					
Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments			
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty slightly gravelly fine to coarse SAND with frequent rootlets and occasional roots. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (TOPSOIL)			(0.60)					
0.70	D 2							0.60 +7.29					
1.30	D 3				Orange slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint and claystone. (Possibly RECENT DEPOSITS)								
1.80	D 4												
2.00-2.45	U 5	150 blows	2.00	1.00									
2.45	D 6							2.45-2.80 m becoming yellow					
2.80	D 7												
3.80-4.25	U 8	160 blows 350 mm rec	3.50 09/09/2010	2.00 2.20	4.25-5.80 m becoming yellow with occasional firm friable orange silty clay pockets present								
4.25	D 9		13/09/2010	0800						(9.40)			
4.80	D 10												
5.80	D 11												
6.80	D 12							6.80 m no gravel					
7.80	D 13							7.80 m no gravel					
8.70	D 14												
9.70	D 15		13/09/2010										
								EXPLORATORY HOLE ENDS AT 10.00 m			10.00 -2.11		
Depth	Type & No	Records	Date Casing	Time Water				Depth Related Remarks *			Chiselling Depths (m)	Time	Tools used
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole BH2 Sheet 1 of 1					
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:03:11													

Borehole Log



Drilled MR Logged GA/ST Checked MT		Start 14/09/2010 End 15/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +2.11 mOD Coordinates E 647170.97 National Grid N 264496.80 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown silty fine SAND with frequent rootlets and roots. (TOPSOIL)	0.10 +2.01				
0.70	D 2					(0.70)				
1.20	D 3					0.80 +1.31				
1.70	D 4					(0.90)				
2.70-3.15	U 6	150 blows	2.70	2.20	Gravel is angular to rounded fine to medium of mixed lithologies including brick and flint. (MADE GROUND)	1.70 +0.41				
2.70	D 5					(1.45)				
3.15	D 7					3.15 -1.04				
3.70	D 8	150 blows 350 mm rec	14/09/2010	0800	Yellow slightly silty fine to medium SAND with rare rootlets and roots. (Possibly RECENT DEPOSITS)	3.70				
4.70	D 9								15/09/2010	0800
5.70	D 10	150 blows 350 mm rec	6.00	3.00	Orangish brown slightly clayey slightly gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is angular fine to coarse of claystone. (CRAG DEPOSITS)	6.45 -4.34				
6.00-6.45	U 11					(3.55)				
6.45	D 12					10.00			-7.89	Orangish brown slightly clayey fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)
6.70	D 13									
7.70	D 14									
8.70	D 15									
9.70	D 16		15/09/2010	10.00	EXPLORATORY HOLE ENDS AT 10.00 m					
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries					Depth Related Remarks *		Chiselling			
No.	Struck	Post strike behaviour	Depth sealed (m)		From	to (m)	Depths (m)	Time	Tools used	
None observed (see Key Sheet)										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole BH4 Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:03:13										

Borehole Log



Drilled MR Logged PM Checked MT	Start 01/11/2010 End 04/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 12.00m Diameter 200mm Casing Depth 12.00m	Ground Level +8.29 mOD Coordinates E 647538.23 National Grid N 263997.57 Chainage
--	--	---	--	--

Samples and Tests					Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30 0.60	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of mixed lithologies. (MADE GROUND)	(2.00)				
1.20	D 3									
2.00	D 4				Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular to subrounded fine to medium of mixed lithologies. (MADE GROUND)	2.00 +6.29				
3.00	D 5					(2.20)				
4.00	D 6					4.20 +4.09				
5.00	D 7				Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular fine to coarse of concrete. (MADE GROUND)	(1.80)				
6.00	D 8					6.00 +2.29				
7.00	D 9				Multicoloured slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies. (Possibly RECENT DEPOSITS)					
8.00	D 10									
9.00	D 11								(5.50)	
9.40-11.50 m predominantly black										
10.00	D 12	100 blows	01/11/2010 6.70 03/11/2010 9.00	0800 7.80	Firm dark brown black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	11.50 -3.21				
11.00	D 13					(2.50)				
12.00 12.00-12.45	D 14 U 15 D 16		12.00	6.00	Greyish dark brown silty fine to medium SAND. (Possibly RECENT DEPOSITS)	14.00 -5.71				
13.00	D 17					(3.00)				
14.00	D 18					17.00 -8.71				
15.00	D 19		03/11/2010 8.20 04/11/2010 15.00	0800 6.20						
16.00	D 20									
17.00	D 21		04/11/2010 17.00		EXPLORATORY HOLE ENDS AT 17.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 4.40 -4.40 45 mins
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ENCLOSURE B
SPLIT SAMPLE DESCRIPTIONS / DISCONTINUITY LOGS

GW15 Split Tube Sample Descriptions
Chalk Discontinuity Logs

Sheet 1 to 17
CBH2009_2
CBH2009_8U
DBH2009_1
SBP2009_2

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	12	
Sample Depth, mBGL	9.60	- 10.05
Sample Type	U	

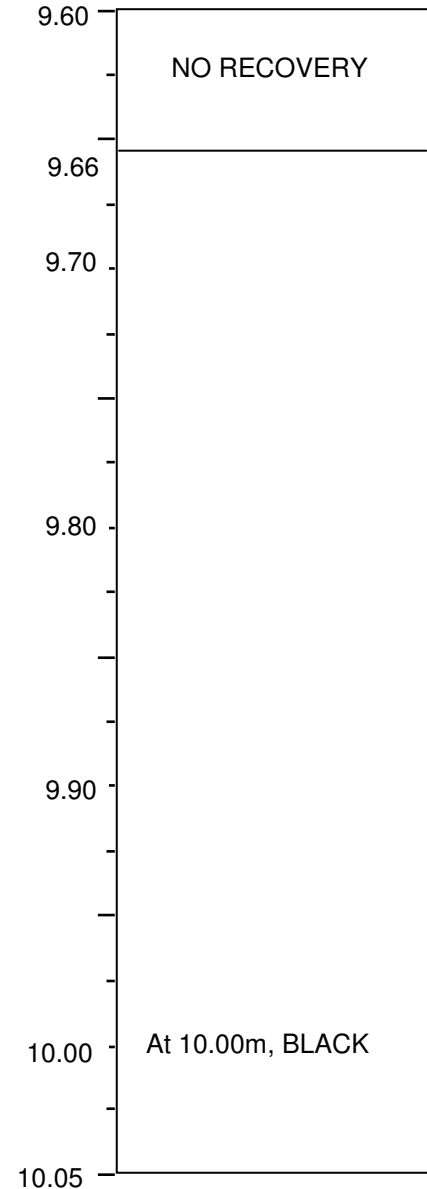
Note: Sample length <> 45 cm

Description

9.66-10.05m, Grey silty fine to medium SAND. Locally dark grey.

Detail:

10.00m, black.



Sampling information:

Blow Count 150
 Recovery 390 mm

Remarks:
 Driven U100 sample

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	13	
Sample Depth, mBGL	10.50	- 10.95
Sample Type	U	

Note: Sample length <= 45 cm

Description

10.54-10.59m, Dark grey silty fine SAND.
(Probably settlement of fines).

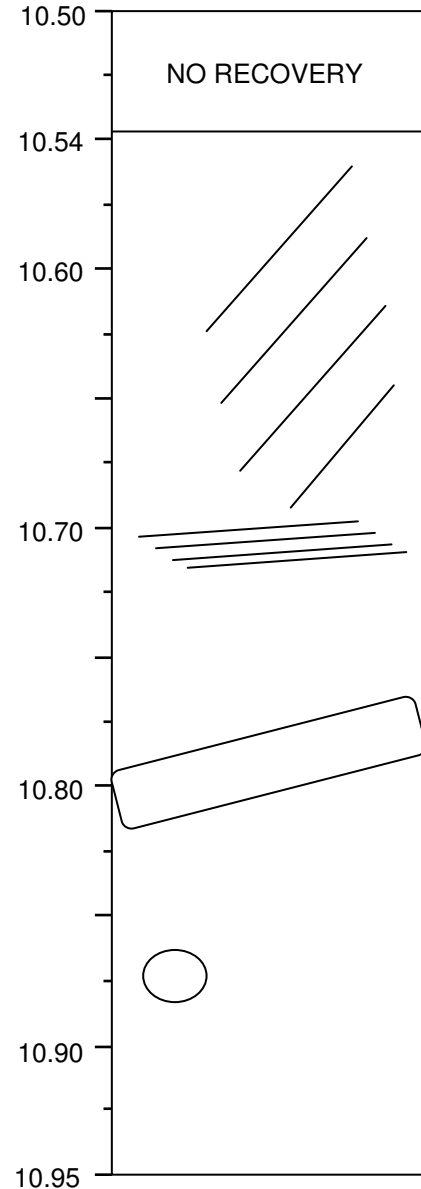
10.59-10.95m, Brown, locally grey, silty fine to medium SAND.
Frequent coarse sand to fine gravel size shell fragments.

Detail:

10.62-10.73m, shell fragments thinly laminated dipping at 30 deg.

10.78-10.82m, brown clay.

10.88m, 1 No. lens of brown clay.



Sampling information:

Blow Count 200
Recovery 410 mm

Remarks:
Driven U100 sample

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	15	
Sample Depth, mBGL	11.40	- 11.85
Sample Type	U	

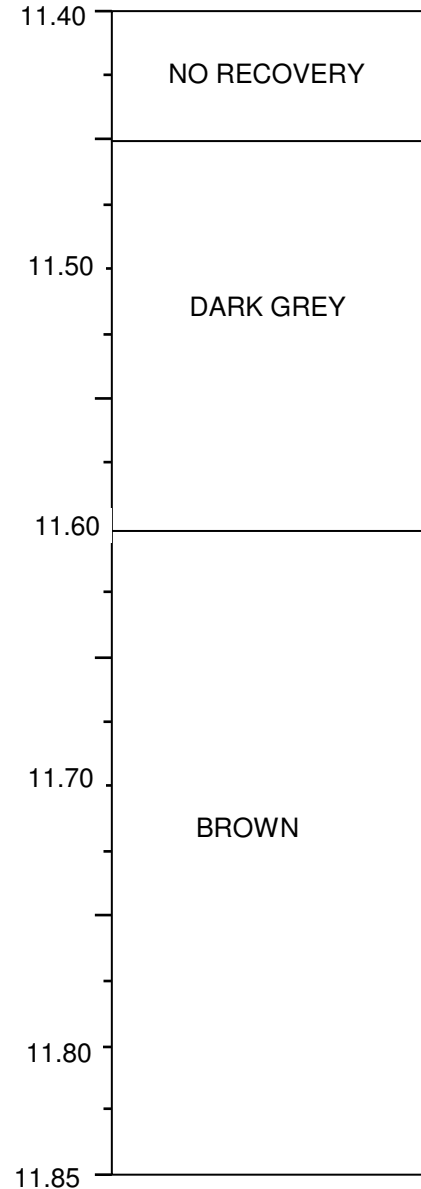
Note: Sample length <> 45 cm

Description

11.45-11.60m, Dark grey silty fine to medium SAND. Occasional fine gravel shell fragments. At 11.45m 1 No. medium gravel size fragment of flint.

Detail:

11.60-11.85m, Brown, locally silty, fine to medium, locally coarse, SAND. Frequent coarse sand to fine gravel size fragments of shell and whole shells. Rare fine subangular gravel of flint.



Sampling information:

Blow Count 80

Recovery 400 mm

Remarks:

Driver U100 sample.
11.45-11.60m, Possible settlement of fines.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	18	
Sample Depth, mBGL	12.60	- 13.05
Sample Type	U	

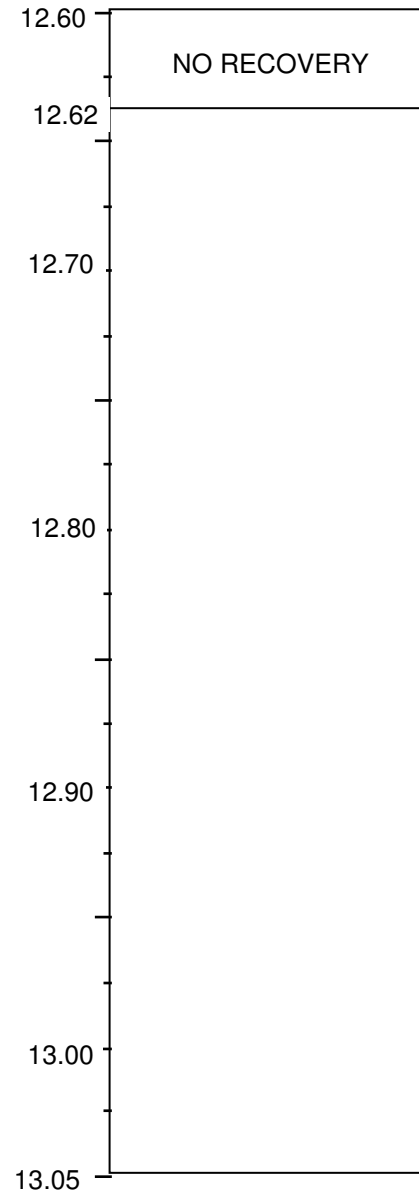
Note: Sample length <> 45 cm

Description

12.62-12.71m, Grey brown silty fine to medium SAND.
Occasional coarse sand and gravel size shell fragments. Rare fine to medium gravel of siltstone (possible settlement of fines).

12.71-12.90m, Brown silty fine to medium SAND.

12.90-13.05m, Gradual boundary. Grey speckled black silty fine to medium SAND.



Sampling information:

Blow Count 200

Recovery 430 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	20	
Sample Depth, mBGL	13.30	- 13.75
Sample Type	U	

Note: Sample length <> 45 cm

Description

13.31-13.42m, Grey silty fine SAND (probably settlement of fines).

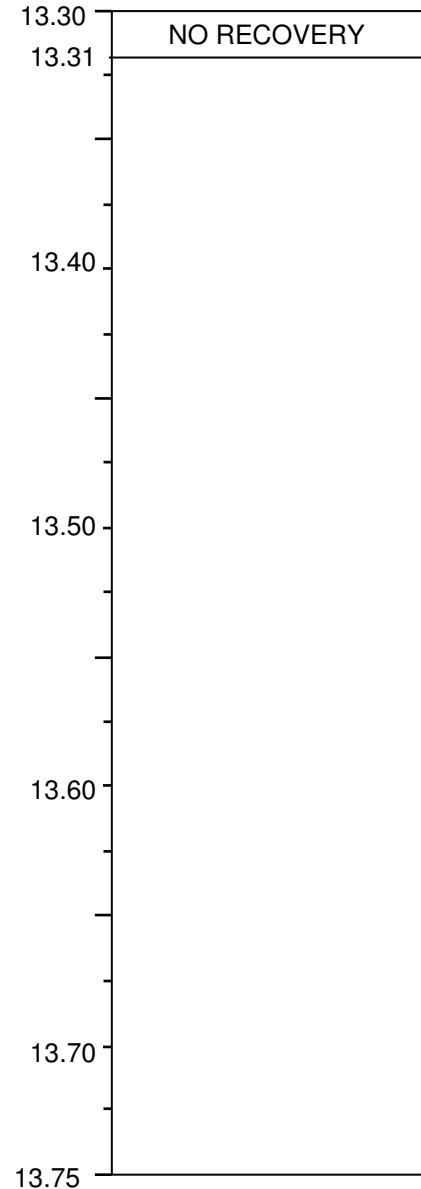
13.42-13.75m, Grey speckled black fine to coarse SAND. Frequent coarse sand. Shell fragments.

Detail:

13.48-13.53m, frequent fine to medium gravel size shell fragments.

13.62m, 1 No. complete shell.

13.71m, layer of coarse sand size shell fragments.



Sampling information:

Blow Count 100

Recovery 440 mm

Remarks:
Driven U100 sample.

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



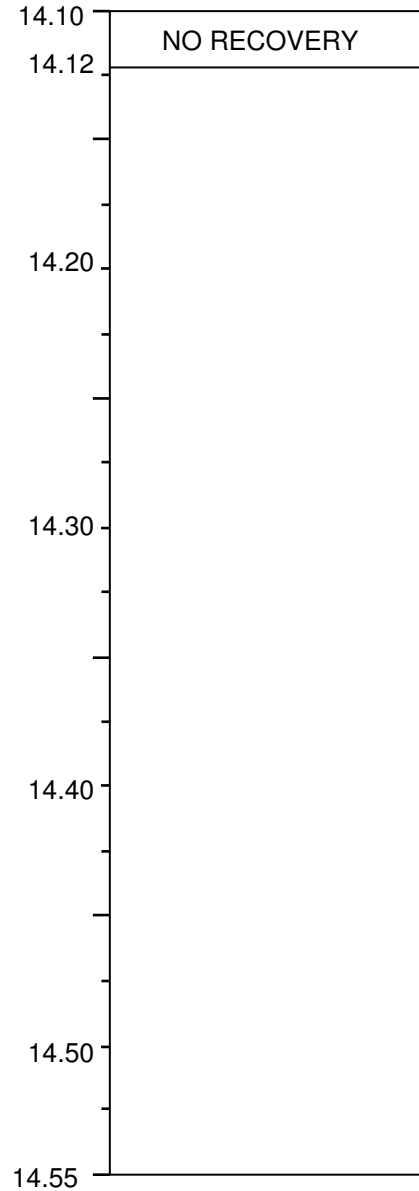
Soil Mechanics

Borehole No	GW15	
Sample No	22	
Sample Depth, mBGL	14.10	- 14.55
Sample Type	U	

Note: Sample length <> 45 cm

Description

14.12-14.55m, Grey fine to coarse SAND. Frequent coarse sand, locally medium gravel, size shell fragments.



Sampling information:

Blow Count 100

Recovery 430 mm

Remarks:

Driven U100 sample.
Top section of sample possible settlement of fines.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



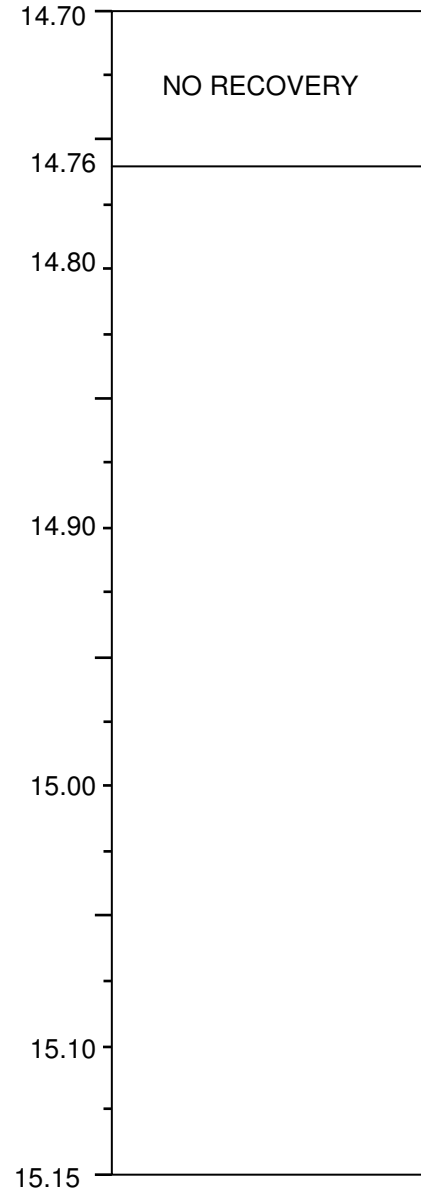
Soil Mechanics

Borehole No	GW15	
Sample No	23	
Sample Depth, mBGL	14.70	- 15.15
Sample Type	U	

Note: Sample length <> 45 cm

Description

14.76-15.15m, Grey fine to coarse SAND. Frequent coarse sand, locally medium gravel, size shell fragments.



Sampling information:

Blow Count 27

Recovery 390 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



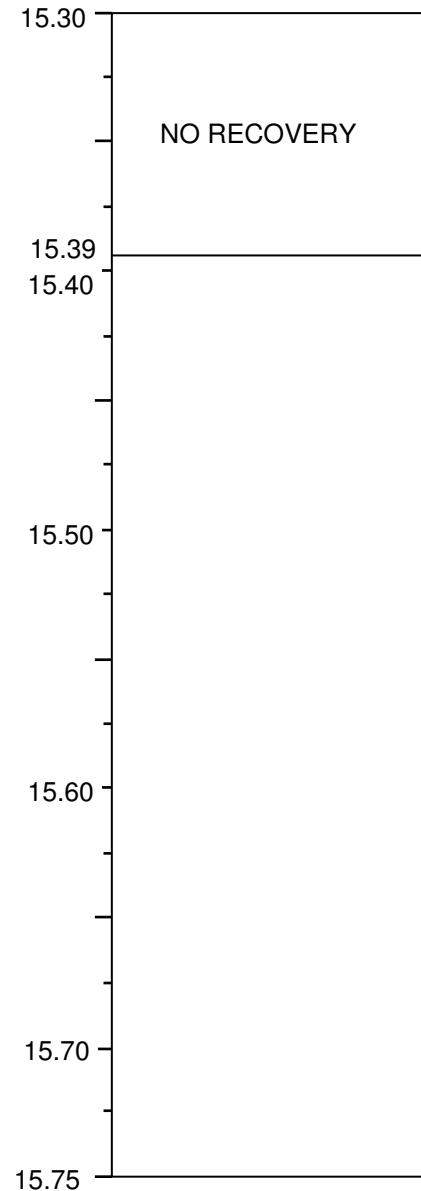
Soil Mechanics

Borehole No	GW15	
Sample No	24	
Sample Depth, mBGL	15.30	- 15.75
Sample Type	U	

Note: Sample length <> 45 cm

Description

15.39-15.75m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 40

Recovery 360 mm

Remarks:
Driven U100 sample.

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



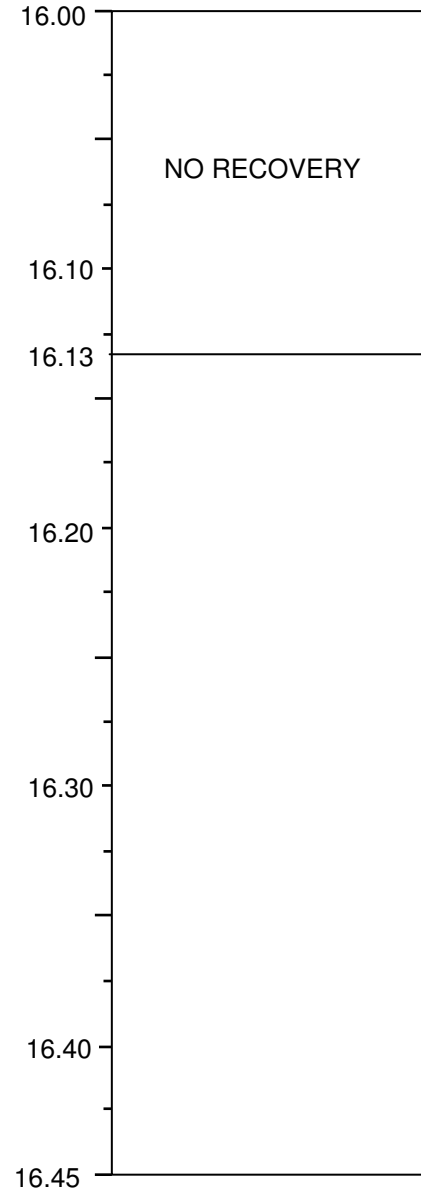
Soil Mechanics

Borehole No	GW15	
Sample No	25	
Sample Depth, mBGL	16.00	- 16.45
Sample Type	U	

Note: Sample length <> 45 cm

Description

16.13-16.43m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 44

Recovery 320 mm

Remarks:
Driven U100 sample.

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



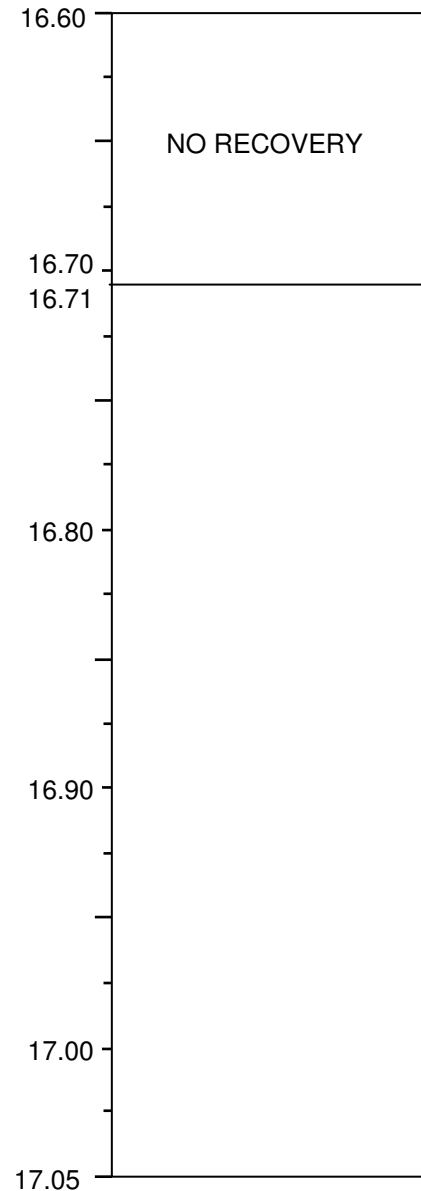
Soil Mechanics

Borehole No	GW15	
Sample No	26	
Sample Depth, mBGL	16.60	- 17.05
Sample Type	U	

Note: Sample length <> 45 cm

Description

16.71-17.05m, Grey fine to medium SAND. Frequent coarse sand size and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 50

Recovery 340 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



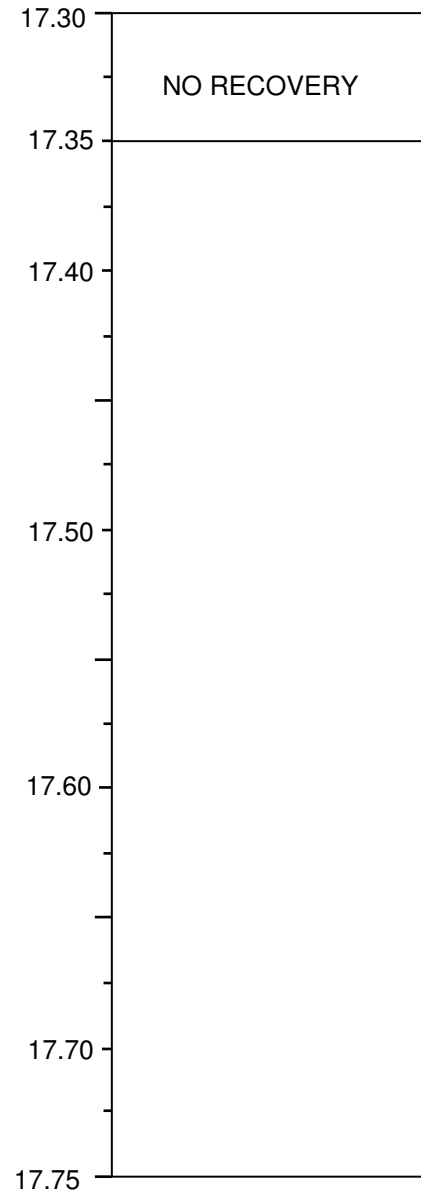
Soil Mechanics

Borehole No	GW15	
Sample No	27	
Sample Depth, mBGL	17.30	- 17.75
Sample Type	U	

Note: Sample length <> 45 cm

Description

17.35-17.75m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 80

Recovery 400 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



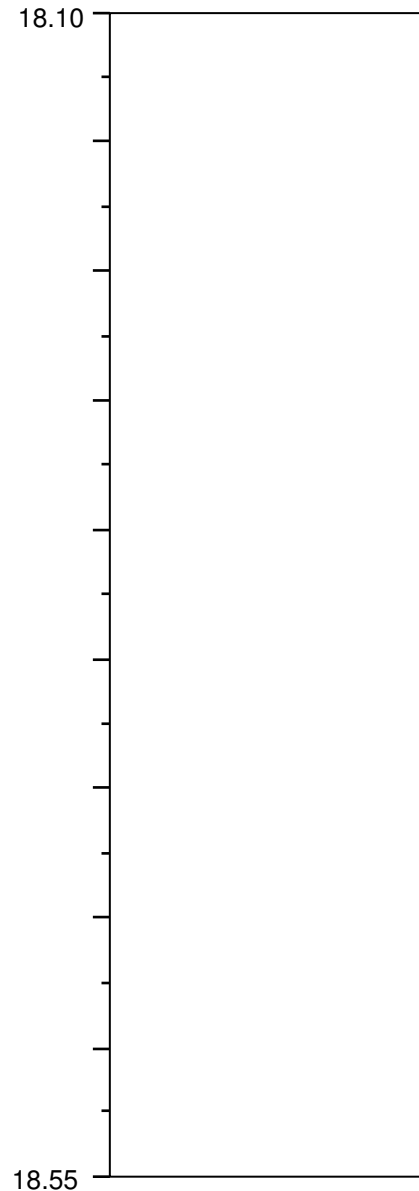
Soil Mechanics

Borehole No	GW15	
Sample No	28	
Sample Depth, mBGL	18.10	- 18.55
Sample Type	U	

Note: Sample length <> 45 cm

Description

18.10-18.53m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 17

Recovery 450 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth
	Project No. A0012-10	GW15
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



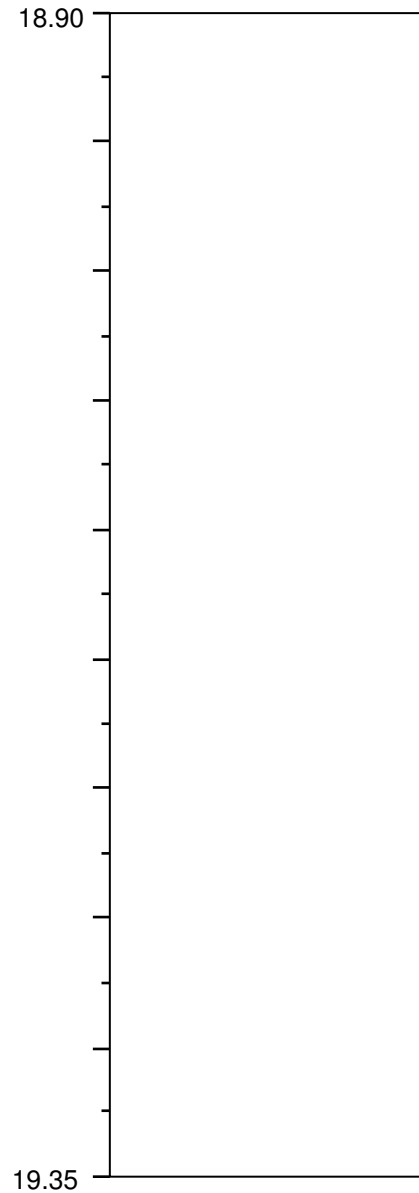
Soil Mechanics

Borehole No	GW15	
Sample No	29	
Sample Depth, mBGL	18.90	- 19.35
Sample Type	U	

Note: Sample length <> 45 cm

Description

18.90-19.35m, Grey fine to medium SAND. Frequent coarse sand and fine gravel size shell fragments.



Sampling information:

Blow Count 83
 Recovery 450 mm

Remarks:
 Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Bh No/Depth GW15
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Split Tube Sample Description



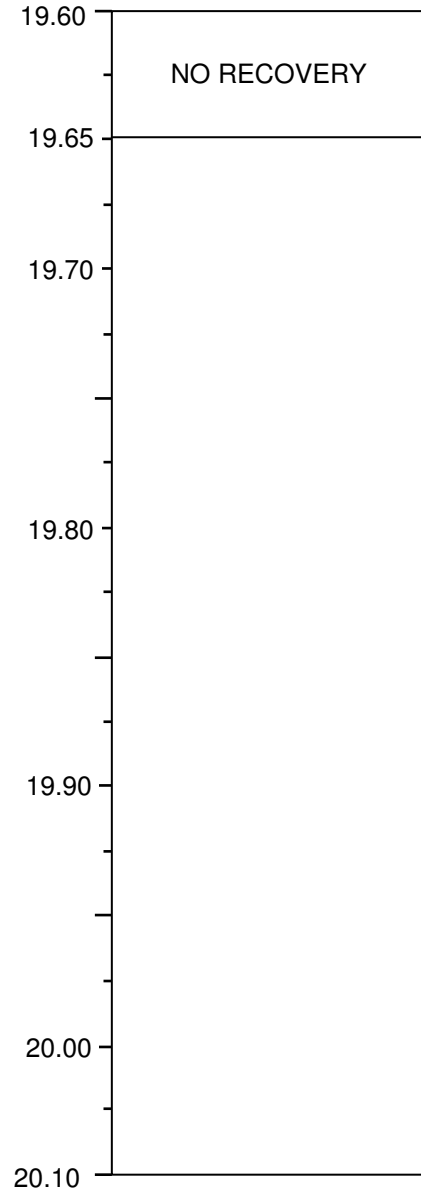
Soil Mechanics

Borehole No	GW15	
Sample No	30	
Sample Depth, mBGL	19.60	- 20.10
Sample Type	U	

Note: Sample length <> 45 cm

Description

19.65-20.10m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 40

Recovery 400 mm

Remarks:
Driven U100 sample.

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



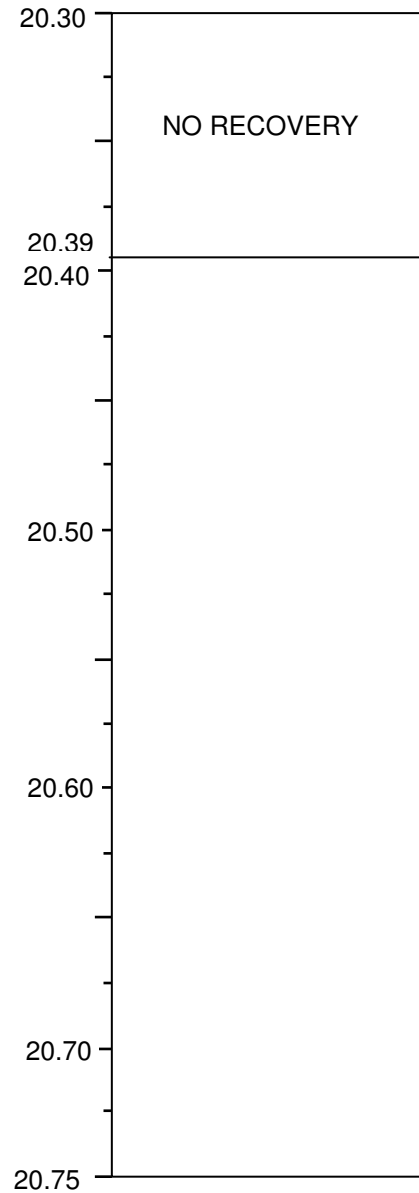
Soil Mechanics

Borehole No	GW15	
Sample No	31	
Sample Depth, mBGL	20.30	- 20.75
Sample Type	U	

Note: Sample length <> 45 cm

Description

20.59-20.75m, Grey fine to medium SAND. Frequent coarse sand size shell fragments.



Sampling information:

Blow Count 30

Recovery 360 mm

Remarks:
Driven U100 sample

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



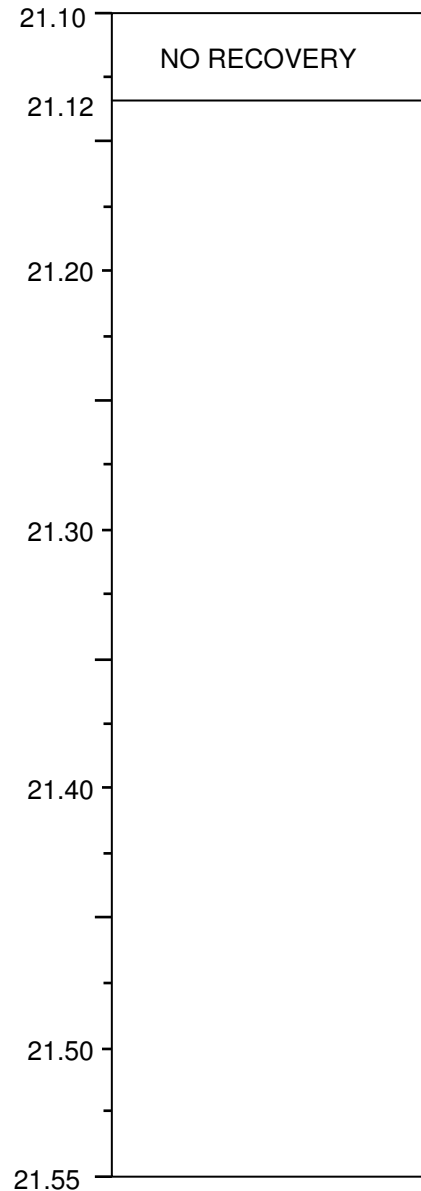
Soil Mechanics

Borehole No	GW15	
Sample No	32	
Sample Depth, mBGL	21.10	- 21.55
Sample Type	U	

Note: Sample length <> 45 cm

Description

21.12-21.55m, Grey fine to medium SAND. Frequent coarse sand size and rare fine gravel size shell fragments.



Sampling information:

Blow Count 47

Recovery 430 mm

Remarks:
Driven U100 sample

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



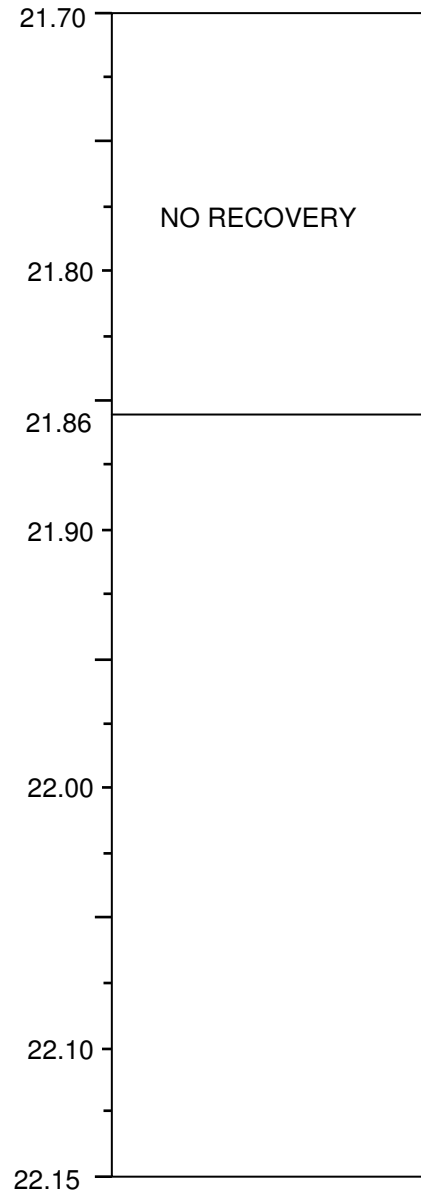
Soil Mechanics

Borehole No	GW15	
Sample No	33	
Sample Depth, mBGL	21.70	- 22.15
Sample Type	U	

Note: Sample length <> 45 cm

Description

21.86-22.15m, Grey fine to medium SAND. Frequent coarse sand size and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 40

Recovery 290 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Chalk Discontinuity Log



Soil Mechanics

Discontinuity No	Top, m	Base, m	Type	Set No	Dip, deg	Roughness	Planarity	JRC	Aperture observation	Infill
1	81.00	85.30	BF	1		RO	UN	8	open	
2	81.60	81.60	IND			SM	PL	2	closed	
3	84.37	84.76	J		70	SM	PL	2	closed	grey silt
4	85.22	85.23	INC		30	RO	ST	18	tight	
5	85.30	89.90	BF	2		SM	PL	3	closed	
6	89.59	89.67	IND			SM	PL	1	tight	
7	89.90	101.40	BF	3		RO	PL	3	open	
8	90.38	90.40	IND			SM	ST	17	tight	
9	93.78	93.80	BF			RO	PL	2	infilled	fine to medium chalk gravel
10	94.01	94.04	BF		30	SM	UN	7	closed	
11	94.40	94.77	J			RO	UN	12	open	
12	94.66	94.66	IND			SM	PL	1	tight	
13	95.24	95.90	J			RO	UN	6	closed	
14	99.51	99.88	J			RO	UN	7	open	
16	100.88	100.88	IND			RO	PL	3	tight	
17	101.33	101.33	IND			RO	PL	3	tight	
15	101.40	122.90	BF			RO	UN	6	open	putty chalk
19	102.40	102.70	IND			RO	PL	2	tight	
18	102.60	102.60	IND			RO	PL	2	tight	
20	104.60	104.65	IND			RO	UN	7	open	
21	104.82	104.83	IND			RO	UN	6	open	
22	108.48	108.84	IND			RO	UN	8	open	
23	109.79	109.91	INC			RO	UN	9	tight	
24	110.27	110.33	INC			RO	UN	10	tight	
25	118.99	118.99	INC			RO	UN	8	tight	
26	121.19	121.23	INC			RO	UN	9	tight	

Key

JRC = Joint roughness

Type: **BF** = Bedding fracture
J = Joint
IND = Induced fracture
INC = Incipient fracture
F = Fracture

Roughness: **RO** = Rough
SM = Smooth

Planarity: **UN** = Undulating
PL = Planar
ST = Stepped

Surface Appearance: **M** = Matt

Notes: Prepared: 10/02/2011 11:27

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Borehole
CBH2009_2

Chalk Discontinuity Log



Soil Mechanics

Discontinuity No	Top, m	Base, m	Type	Set No	Dip, deg	Roughness	Planarity	JRC	Surface appearance	Aperture observation	Infill
1	108.47	109.33	BF	1	0	SM	PL	2	M	closed	clean
2	110.50	113.37	BF	2	0	SM	PL	3	M	open	clean
3	116.45	117.12	BF	3	0	SM	PL	2	M	closed	clean

Key

JRC = Joint roughness

Type: **BF** = Bedding fracture
J = Joint
IND = Induced fracture
INC = Incipient fracture
F = Fracture

Roughness: **RO** = Rough
SM = Smooth

Planarity: **UN** = Undulating
PL = Planar
ST = Stepped

Surface Appearance: **M** = Matt

Notes: Prepared: 10/02/2011 11:27

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Borehole
CBH2009_8U

Chalk Discontinuity Log



Soil Mechanics

Discontinuity No	Top, m	Base, m	Type	Dip, deg	Roughness	Planarity	JRC	Surface appearance	Aperture observation	Infill	Wall weathering
1	85.10	86.13	F	90	RO	UN	8	M	<3mm		
2	85.10	86.44	F	90	RO	UN	8	M	<3mm		
3	86.53	86.77	F	70	RO	UN	8	M	<3mm		
4	93.72	96.50	F	70	RO	UN	6	M	<3mm		
5	99.50	100.33	F	80	RO	UN	9	M	<3mm		
6	100.43	101.44	F	80	RO	UN	9	M	<3mm	Silt	Slight
7	101.52	101.97	F	70	RO	UN	8	M	<3mm	Silt	Slight
8	101.97	102.35	F	80	RO	UN	7	M	<3mm	Silt	Slight
9	103.00	104.00	F	80	SM	PL	6	M	<3mm		
10	111.70	116.80	F	70	SM	PL	6	M	<3mm	Silt	Slight

Key

JRC = Joint roughness

Type: **BF** = Bedding fracture
J = Joint
IND = Induced fracture
INC = Incipient fracture
F = Fracture

Roughness: **RO** = Rough
SM = Smooth

Planarity: **UN** = Undulating
PL = Planar
ST = Stepped

Surface Appearance: **M** = Matt

Notes: Prepared: 10/02/2011 11:27

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Borehole
DBH2009_1

Chalk Discontinuity Log



Soil Mechanics

Discontinuity No	Top, m	Base, m	Type	Set No	Dip, deg	Roughness	Planarity	JRC	Surface appearance	Aperture observation	Infill
1	92.80	96.49	BF	1	10	RO	PL	2		Closed	
2	96.49	97.18	BF	2	10	RO	PL	3		Closed	
3	101.80	110.31	BF	3	10	RO	PL	2		Closed	
7	101.80	101.96	J		85	RO	UN	10		Closed	
8	102.02	102.72	J		80	RO	UN		M	infilled	clay
9	102.95	102.97	BF		10	RO	PL	3	M	infilled	clay
10	105.02	105.03	BF		10	RO	PL	4	M	infilled	clay
11	110.31	110.81	BF		8	RO	PL	3	M	infilled	clay
5	111.40	121.30	BF	5	15	RO	PL	4		Closed	
4	116.31	111.40	BF	4	10	RO	PL	4		Closed	
12	118.24	118.30	IND		30	RO	PL	2		Closed	
13	118.41	119.76	J		80	RO	UN	8		Closed	
14	121.30	122.13	J		85	RO	UN	10		Closed	
15	122.41	122.80	J		70	RO	PL	5		Closed	
6	122.80	125.80	BF	6	8	RO	PL	3		Closed	

Key

JRC = Joint roughness

Type: **BF** = Bedding fracture
J = Joint
IND = Induced fracture
INC = Incipient fracture
F = Fracture

Roughness: **RO** = Rough
SM = Smooth

Planarity: **UN** = Undulating
PL = Planar
ST = Stepped

Surface Appearance: **M** = Matt

Notes: Prepared: 10/02/2011 11:27

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Borehole
SBP2009_2

Report No A0012-10/3A

ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE

FACTUAL REPORT ON GROUND INVESTIGATION

VOLUME 3A: IN SITU TESTING

**DRILLING PARAMETER RESULTS
MENARD PRESSUREMETER TESTING**

Carried out for: NNB Generation Company Limited

August 2011

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**ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
FACTUAL REPORT ON GROUND INVESTIGATION**

**VOLUME 3A : IN SITU TESTING
DRILLING PARAMETER RESULTS
MENARD PRESSUREMETER TESTING**

Report No: A0012-10/3A

Date: August 2011

Employer:

**NNB Generation Company Limited
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Issue No	Date	Details
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REPORT STRUCTURE

VOLUME NO	TITLE	REPORT NO
1	TEXT, MONITORING AND DRAWINGS	A0012-10/1
2A	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE LOGS	A0012-10/2A
2B	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE AND TRIAL PIT LOGS 1:100 SCALE BOREHOLE LOGS SPLIT TUBE SAMPLE DESCRIPTIONS DISCONTINUITY LOGS	A0012-10/2B
3A	IN SITU TESTING: DRILLING PARAMETER RESULTS MENARD PRESSUREMETER TESTING	A0012-10/3A
3B	IN SITU TESTING: CONE PENETRATION TESTING GEOPHYSICAL TESTING PUMPING TEST	A0012-10/3B
3C	IN SITU TESTING: SELF BORING PRESSUREMETER TESTING	A0012-10/3C
4	GEOTECHNICAL LABORATORY TESTING	A0012-10/4
5	PHOTOGRAPHS	A0012-10/5
6	COMPREHENSIVE AND DATA INTEGRATION REPORT	A0012-10/6

CONTENTS

ENCLOSURE A

A **FONDASOL FACTUAL REPORT**

ENCLOSURE A
FONDASOL FACTUAL REPORT

Fondasol Report

ML.10-119-Doc No. 001

ML.10-119-Doc No. 002



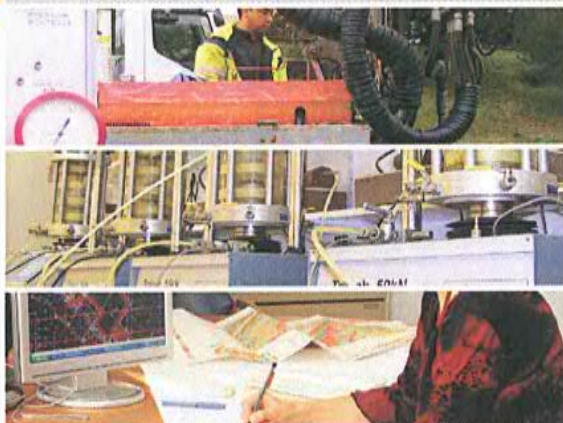
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**PRELIMINARY ONSHORE
INVESTIGATIONS FOR
SIZEWELL 'C' POWER STATION**
Menard Pressuremeter Tests
Recording of Drilling Parameters
Piezometer Installation at
Sizewell, Leiston (IP16 4UR)
DRAFT FACTUAL REPORT.

ML.10-119 – Doc. n° 001 - Draft



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PAGE		REV	A	B	C	PAGE		REV	A	B	C
1						41					
2						42					
3						43					
4						44					
5						45					
6						46					
7						47					
8						48					
9						49					
10						50					
11						51					
12						52					
13						53					
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29						69					
30						70					
31						71					
32						72					
33						73					
34						74					
35						75					
36						76					
37						77					
38						78					
39						79					
40						80					

INTRODUCTION	4
1. Introduction	4
2. Site Description	5
3. Scope of Works	5
METHOD OF INVESTIGATION	6
1. Type of rigs	6
2. Nature of the soils encountered	7
THE MÉNARD PRESSUREMETER EQUIPMENT AND PRINCIPLES	8
1. Equipment	8
2. Principles of the tests	9
RESULTS OF THE GROUND INVESTIGATION	11
1. Introduction	11
2. Geotechnical description	11
2.1. Nature of the soil encountered	11
2.2. Depth of strata	13
2.3. Analysis of drilling parameters (penetration rate)	16
2.4. Analysis of pressuremeter tests results	18
PIEZOMETER INSTALLATION	22
1. Principle	22
2. Water levels	22
CONCLUSION	23
1. Conclusion	23
APPENDICES	24
A1. Site location plan	25
A2. Boreholes location plan	26
A3. Ménard Pressuremeter borehole logs	27
A4. Destructive borehole logs	28
A5. Statistical analysis of Ménard Pressuremeter tests per borehole	29
A6. Statistical analysis of Drilling parameters per borehole	42

I. Introduction

At the request of **EDF ENERGY** and **SOIL MECHANICS**, we carried out a ground investigation from 14th July to 16th December 2010. The investigation works are located to the north of Sizewell 'B' Power Station, Sizewell Gap, Sizewell, near Leiston, Ipswich IP16 4UR.

FONDASOL is to provide information on the geology as well as the interpretation of the ground response curves obtained from the Ménard Pressuremeter tests. Destructive boreholes were also carried out for the installation of piezometer equipments. Recording of the drilling parameters (including penetration rate, bit revolution, bit load, torque, flushing medium pressure, rate of water supply) was provided for all Ménard PressureMeter (MPM) and destructive (DBH) boreholes.

Interpretation of the Ménard Pressuremeter test results to derive pile or settlements design parameters is outside the scope of this report.

Consequently, we carried out the following ground investigation programme as agreed with Mrs. Valérie Sellier (EDF CEIDRE) and Mr. James Huntington (SOIL MECHANICS), under the supervision of the Site Manager Mr. Ben Swallow (SOIL MECHANICS) and in accordance to EDF's "Zero Harm" policy :

- **3 N° MPM geological boreholes** (noted MPM2009_01, MPM2009_02 and MPM2009_13) were advanced down to a depth of **100.0 m** below ground level (bgl.). Ménard Pressuremeter tests were carried out at intervals of 1.0 m from a depth of 10.0 m bgl.
- **10 N° MPM geological boreholes** (noted MPM2009_03 to MPM2009_12) were advanced down to a depth of between **49.0m to 52.0m** bgl. in order to encounter the top of the London Clay. Ménard Pressuremeter tests were carried out at intervals of 1.0 m from a depth of 10.0 m bgl.
- **13 N° DBH destructive boreholes** (noted DBH2009_03 to DBH2009_15) were advanced down to a depth of between **20.0 m to 35.0 m** bgl.

Our mission follows the acceptance of our quotation n°01.11.09 dated 27th November 2009 and the receipt of Soil Mechanics Purchase Order dated 05th March 2010 and referenced N° 120527.

2. Site Description

The site is located to the north and to the south of the existing Sizewell 'A' and 'B' Power Station, along the Suffolk East Coast of England. Boreholes were carried out either in Field 1, Field 2 or Field 3 covered with grass, or in the Woodlands or on the Foreshore, by the North Sea.

The site location is shown in Appendix A1 (Appendix A1, Site location plan).

The final position of the boreholes was surveyed under the supervision of Mr. Chris Hustler (SOIL MECHANICS) and provided by Mr. Mathew Taylor (SOIL MECHANICS). The elevation (Z) and coordinates (X, Y) of the 26 borehole locations are recorded on each borehole log.

The borehole location is shown in Appendix A2 (Appendix A2, Borehole location plan).

3. Scope of Works

It was proposed to carry out 13 N° Ménard Pressuremeter (MPM) boreholes taken down to a depth of between 49.0 m to 100.0 m bgl. and 13 N° Destructive (DBH) Boreholes taken down to a depth of between 20.0 m to 35.0 m bgl for the installation of piezometer equipments.

Recording of the drilling parameters (including penetration rate, bit revolution, bit load, torque, flushing medium pressure, rate of water supply) was provided for all Ménard PressureMeter (MPM) and destructive (DBH) boreholes.

Hence, it was proposed to rotary drill from the ground surface through Made Ground, Recent Deposits, Crag Deposits, London Clay, Lambeth Group and Upper Chalk.

After drilling passes not exceeding 3.0 to 5.0 m in length, Ménard Pressuremeter tests were carried out in each stratum at an interval of 1.0 m from a depth of 10.0 m bgl. in agreement with our given instructions.

This factual report presents the results of our investigation.

I. Type of rigs

Three crawler mounted hydraulic rotary-drilling rigs, namely a SOCOMAFOR 4 (Operator : Mr. D. Moity) an EMCI 700 (Operator : Mr. M.Juvany) and a MC 450 (Mr. H.Dutertre), were used to drill the 26 N° boreholes to a depth of between 20.0 m to 100.0 m bgl.



Photo 1 – View of the site and of MC 450 and EMCI 700.

The following drilling bits were used : a 64mm diameter drilling bit and a 64mm diameter tricone bit. The different bits were used in rotation mode mainly, in order to calibrate the borehole in 64mm diameter for subsequent pressuremeter tests.

Temporary 68/83mm diameter rotary steel casing was installed in boreholes to maintain the stability of the first 10.0 to 82.0 m. (mainly Made Ground, Recent Deposit, Crag Deposit and Lambeth Sand).

Aquifer protection was also provided for the three deep MPM boreholes to a depth of 49.0 m to 50.0 m, using a 168/178mm diameter outer rotary steel casing anchored at least 3.0 m in the London Clay.

The stability of the rest of the borehole was maintained by continuously injecting an attapulgite clay-based support fluid for MPM boreholes using clean mains water to resist the saline sea-water table.

Biodegradable foragum polymer-based fluid was used to drill DBH boreholes. All DBH boreholes were rinsed using clean mains water prior to the installation of piezometer equipments.

2. Nature of the soils encountered

During ground investigation and drilling works, representative samples were taken in order to identify the various strata encountered.

Details of the soil encountered can be found at the end of this report, in the borehole log section (Appendix A3, Pressuremeter Borehole logs and Appendix A4, Destructive Borehole logs).

The Ménard Pressuremeter Equipment and principles

I. Equipment

The equipment comprises of three units:

- The Volume Pressure Controller (VPC)

The equipment we use is specifically designed to ensure that a minimum of 5 MPa can be exerted by the probe (cf. *photo 1*, below) in order to get the full ground response curve.



Photo 1. The volume pressure controller

- The Ménard inflatable probe (shown on photos 2 and 3, below),
- The co-axial flexible cable allowing air and water to circulate between the two above units.



Photo 2



Photo 3

2. Principles of the tests

The soil strength and deformation is measured using a standard 60mm diameter probe (shown on photos 2 and 3, above). Rubber membranes are either normal or reinforced depending on the envisaged limit pressure to reach.

The probe is inserted in the pre-formed borehole (Figure 1, hereafter) and drilling passes do not exceed 5.0m, in accordance with the borehole sides' stability and with standard NFP 94-110.

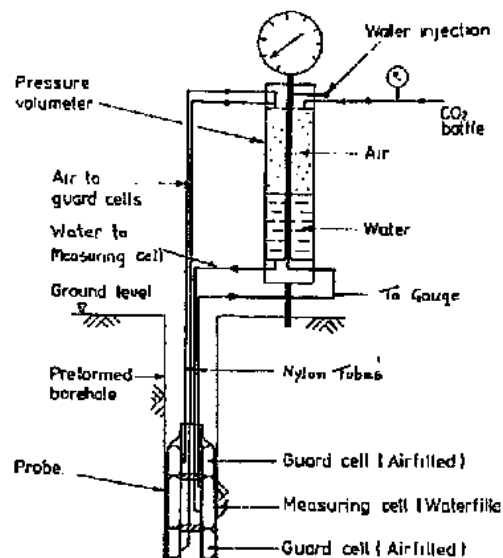


Figure 1 - Diagrammatic sketch of the Ménard Pressuremeter (Gibson and Anderson, 1961)

The principle of the test consists in inflating a 210mm-long cylindrical water-filled cell to apply a minimum of 8 pressure increments (constant loading during 60 seconds) and record the change of volume of the water-filled cell at 15s, 30s and 60s. All the tests are pushed to a maximum pressure of 5 MPa or until a minimum of three points are obtained after reaching the creep pressure (noted P_{Creep} or P_f) or when 600 cm³ injection is reached.

The two types of correction tests (membrane stiffness and volume-pressure-controller stiffness) are carried out in accordance with Standard NFP94-110 and taken into account in the interpretation of the ground response curves.

A diagram of a typical pressuremeter test curve is shown on Figure 2 (below) and results of the 660 N° Ménard Pressuremeter tests are enclosed in Appendix A1 (Appendix A1 of document n°002, Interpreted ground response curves) and Appendix A2 (Appendix A2 of document n°002, Summary of pressuremeter results) of a separate document.

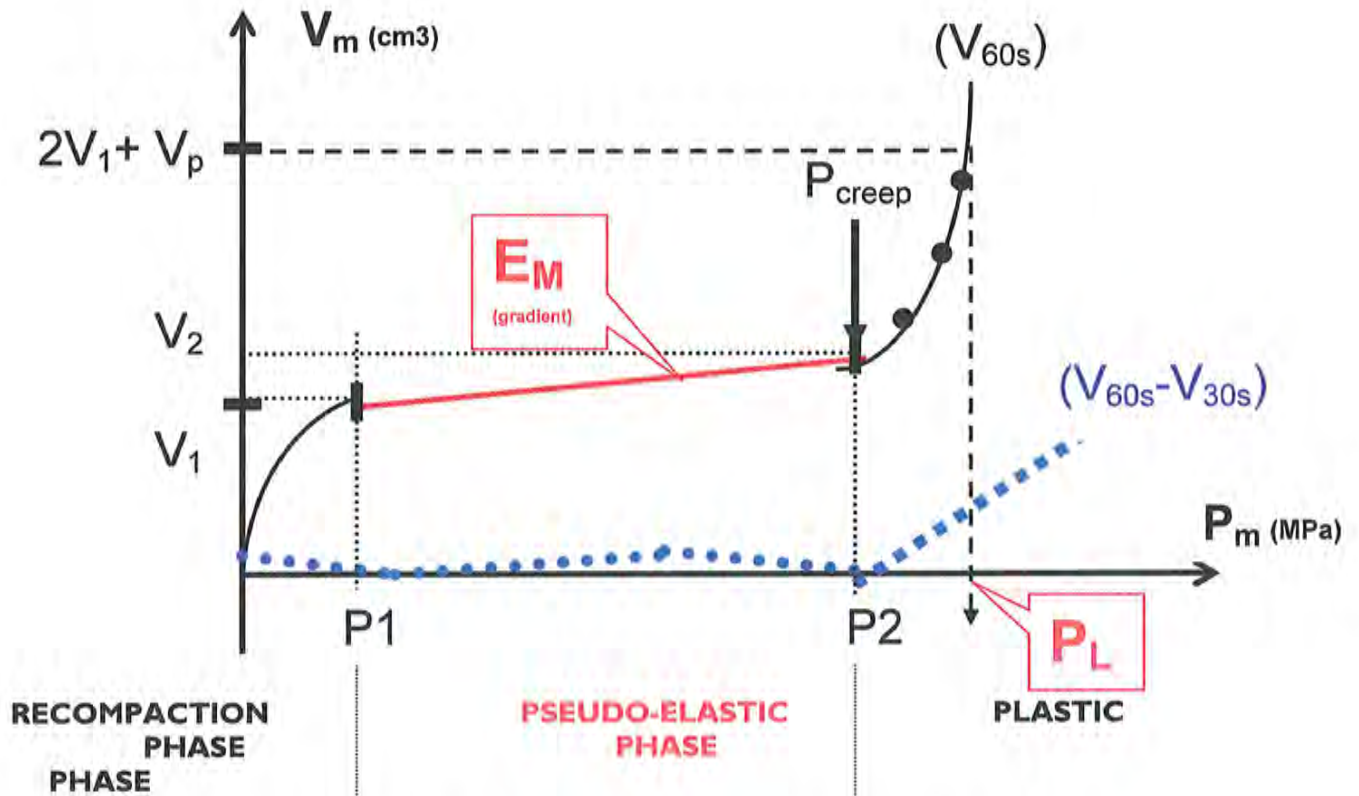


Figure 2 – Diagram of a typical pressuremeter test curve

The volume of the probe at 60 seconds is plotted and is noted the (V_{60s}) curve. On the same graph the difference of volume between 60s and 30s is also plotted and is noted the ($V_{60s}-V_{30s}$) curve, on the above diagram.

Where:

- V_m : is the measured Volume of the water-filled cell (cm^3), on the vertical axis.
- P_m : is the measured Pressure exerted by the water-filled cell (MPa), on the horizontal axis.
- V_p : is the Volume of the probe at rest and is 535 cm^3
- V_1/P_1 : is the volume and pressure of the cell at the end of the re-compaction phase.
- V_2/P_2 : is the volume and pressure of the cell at the end of the pseudo-elastic phase.

From this curve the three fundamental parameters are derived:

- P_{creep} : creep pressure (in MPa)
- P_L : limit pressure (in MPa)
- E_M : pressuremetric deformation modulus (Ménard modulus in MPa)

By definition, P_{creep} is the limit between the end of the pseudo-elastic phase and the beginning of the plastic phase. P_L is defined as the Pressure of the soil for which the probe has doubled its volume V_1 . Finally, E_M is the gradient or slope of the straight line during the pseudo-elastic phase of the test.

Results of the Ground Investigation

1. Introduction

Our 26 N° boreholes, designated MPM2009_01 to MPM2009_13 and DBH2009_03 to DBH2009_15, taken down to a depth of between 20.0 m to 100.0 m bgl., confirmed the anticipated geological sequence.

Nature of the soil is based on the description of the driller and checked by a geotechnical engineer.

Depth of each stratum is based on the statistical analysis of Ménard Pressuremeter tests and the recorded Penetration Rate.

2. Geotechnical description

2.1. Nature of the soil encountered

During ground investigation our drillers encountered the following strata:

- **Made Ground.** It consists of beige ocre, orange, reddish-brown silty SAND with shell fragments.
- **Recent Deposit.** It consists of dark grey to black silty PEAT with traces of vegetable matter. Sometimes a dark brown slightly clayey peaty SILT was encountered.
- **Crag Deposits.** It consists of beige to grey green medium to coarse SAND with locally many shell fragments. It can be locally very cemented. Superficial Crag Deposits can have clay lenses. It seems more clayey towards the base of the stratum as shown in MPM2009_10 and MPM2009_12 from a depth of about 30.0 m bgl.

Based on our statistical analysis of pressuremeter tests we have defined three layers within the Crag Deposits. We named them Crag 1, Crag 2 and Crag 3.

- **London Clay**. It consists of dark brown to dark grey plastic CLAY with claystones. A dark grey shelly CLAY or a light grey sandy CLAY with sand bands and some shell fragments were also encountered on top of the London Clay stratum in MPM2009_09 and MPM2009_12 only.

Very high deformation moduli were measured in the three deep boreholes between a depth of 56.0 and 58.0 m bgl. within the London Clay. These values let us think there is very cemented zone at the base of the London Clay (that is said to be generally very sandy). Rotary cored holes should help to identify the nature of this zone.

- **Lambeth Sand**. It consists of grey slightly clayey medium SAND with shell fragments.
- **Lambeth Clay**. It consists of reddish plastic CLAY in MPM2009_01 and MPM2009_02. The colour of the clay was black in MPM2009_13 only.
- **Upper Chalk**. It consists of white CHALK with flints.

Notes:

1. *Please note that the quality of the samples retrieved from rotary drilling for subsequent MPM testing is not the same as the sample retrieved from cable-percussive drilling and therefore not as good. However some intact samples were taken using a percussive core barrel at regular intervals to identify the main geological features.*
2. *Our geological description is based on the observation of disturbed and intact soil cuttings by a geotechnical engineer, the lead driller's notes and pressuremeter results when available. Without Pressuremeter tests our geological boundaries are uncertain and based on the driller's notes only.*
3. *The recording of drilling parameters of our drilling rigs has enabled a better determination of the contrast between the Recent Deposits and the Crag Deposits mainly than the driller's note only..*

2.2. Depth of strata

From the statistical analysis we carried out based on 660 n° Ménard Pressuremeter test results and the recorded Penetration Rate we defined the depths of each stratum as follows.

a) Depth of the base of Recent Deposit based on penetration rates in the DBH boreholes only.

Based on the recording of the penetration rate only, and for each DBH borehole, we have split in two strata a) the top sandy MADE GROUND (Top Sand) and b) the peaty soil of the CRAG DEPOSITS (Peaty Soils). In the chart below we can find the depth of the base of each strata per each DBH borehole.

Base of strata (m)	DBH Boreholes													
	Geology	DBH3	DBH4	DBH5	DBH6	DBH7	DBH8	DBH9	DBH10	DBH11	DBH12	DBH13	DBH14	DBH15
Top Sand	2,08	4,32	7,32	4	7,74	10,4	4,86	9,14	4,72	10,4	5,16	4,98	6,11	
Peaty Soil	11,3	10,44	10,52	10,86	10,72	16,94	11,16	15,3	10,82	13,9	9,16	8,96	9,03	

Hence as a summary based on DBH holes and without differentiation between the two drilling rigs EMCI 700 and SOCO, we statistically obtained:

Base of strata (m)	STATISTICS on DEPTH				
	Geology	MIN	MAX	MEAN	SD
Top Sand	2,08	10,4	6,2	2,6	41
Peaty Soil	8,96	16,94	11,5	2,4	21

Where SD is the standard deviation ($sd = \text{ecart-type}$).
Where D is the dispersion ($sd \text{ divided by mean } \times 100$).

However we found the dispersion on the depth of the base of the Recent Deposit was quite important (21%) and we decided to correct the above red values by the green values, assuming the base of the Recent Deposit would be around a depth of 10.00 m from information provide by Mr. Peter Hepton (SOIL MECHANICS).

Base of strata (m)	STATISTICS on DEPTH				
	Geology	MIN	MAX	MEAN	SD
Top Sand	2,08	7,74	5,1	1,6	32
Peaty Soil	8,96	11,3	10,2	0,8	8

From this correction the dispersion is reduced to only 8% and the average depth of the Recent Deposit would be 10,20 m bgl. based on the contrast of penetration rates between strata.

It can be concluded that the change of colour of the drilling fluid that comes out of the destructive borehole is not precise enough to define the boundaries between each strata.

This is particularly the case for our boreholes DBH2009_08; DBH2009_09, DBH2009_10 and DBH2009_11 which were all carried out by EMCI 700. In these boreholes erroneous depths of Recent Deposit were given (ranging from 15.00 to 18.00 m bgl.).

Hence we recommend to rely on the Cone Penetration Tests that were carried out by SOIL MECHANICS to correct the geological boundaries defined by our drillers (based on the colour change of the drilling fluid) in our DBH boreholes.

The penetration rate indeed helped to define more precisely the boundaries but when the penetration rate is low, it is difficult to be assertive on the boundaries because the contrast is low. This was the case for the penetration rate recorded by the EMCI 700. The comparison on the definition of strata boundaries between the two rigs is as follows:

SOCO	STATISTICS on DEPTH OF BASE OF STRATA (m)				
	MIN	MAX	MEAN	SD	D (%)
Top Sand	4,00	7,74	5,54	1,38	25
Peaty Soil	8,96	10,86	10,04	0,83	8

EMCI	STATISTICS on DEPTH OF BASE OF STRATA (m)				
	MIN	MAX	MEAN	SD	D (%)
Top Sand	2,08	10,40	7,34	3,77	51
Peaty Soil	11,16	16,94	13,72	2,52	18

This proves that when the penetration rate is was twice as fast (for the SOCO about 80 m/hour and for the EMCI about 50 m/hour as shown in paragraph 2.3) the definition of boundaries is more precise.

b) Depth of the base of strata based on MPM tests

Based on the results of the 660 n° Menard Pressuremeter tests, and for each MPM borehole, we have split various strata with our own following criteria :

- Top of Crag 1 deposit when first value of PL > 1MPa,
- Top of Crag 2 deposit when first value of EM > 100 MPa,
- Top of Crag 3 deposit when first value of EM > 200 MPa,

We have used the Limit Pressure to define the Crag 1 because it is generally more reliable than the Deformation Modulus. However due to the use of a pressuremeter equipment limited to 5 MPa, the limit pressure could not always be properly assessed when there is no sign of creep. Hence we relied on the Deformation Modulus which is always measured (although not as precise as the Limit Pressure) to define Crag 2 and Crag 3.

Note :

In our interpretation of MPM tests we assumed that sandy soils are between normally and over consolidated and therefore the ratio between EM/PL should be around 12. When you assume this, then we noted that the PL obtained with the Inverse Methode (i) is closer to EM/PL =12 than the PL obtained with the Hyperbolic Methode (h). That is why our interpretation made us choose PL (i) rather than PL (h) although our MPM equipment is limited to 5 MPa. We think it is conservatory anyway to use PL (i) because in general the EM is underestimated due to the technique of drilling (it is not selfboring pressuremeter).

Hence we made our interpretation choosing the PL (i) systematically to be consistent in our interpretation, and not PL (h) on occasions.

In the chart below we can find the depth below ground level of the head of each stratum per each MPM borehole.

Head of strata (m)	Borehole												
	MPM_13	MPM_01	MPM_02	MPM_03	MPM_04	MPM_05	MPM_06	MPM_07	MPM_08	MPM_09	MPM_10	MPM_11	MPM_12
Geology													
Crag 1	14	11	10	10	11	10	10	11	14	10	10	10	10
Crag 2	19	23	23	22	21	17	23	23	23	23	17	30	27
Crag 3	41	36	31	35	34	37	33		38		38	40	
London Clay	48	45	43	43	45	44	46	44	46	51,5	43	47	43
Lambeth Sand	58	59	59										
Lambeth Clay	75	71	77										
Upper Chalk	84	82	82										

Hence as a summary based on MPM boreholes and without differentiation between the three drilling rigs EMCI 700, SOCO, and MC450 we statistically obtained the mean depth for each strata :

Head of strata (m)	STATISTICS on DEPTH					
	Geology	MIN	MAX	MEAN	SD	D (%)
Crag 1		10.0	14.0	10.8	1.5	13
Crag 2		17.0	30.0	22.4	3.6	16
Crag 3		31.0	41.0	36.3	3.1	9
London Clay		43.0	51.5	45.3	2.5	5
Lambeth Sand		58.0	59.0	58.7	0.6	1
Lambeth Clay		71.0	77.0	74.3	3.1	4
Upper Chalk		82.0	84.0	82.7	1.2	1

We have carried out the same analysis based on OD levels provided by SOIL MECHANICS and the results are as follows per each MPM borehole:

Head of strata (m)	Borehole												
	MPM_13	MPM_01	MPM_02	MPM_03	MPM_04	MPM_05	MPM_06	MPM_07	MPM_08	MPM_09	MPM_10	MPM_11	MPM_12
ElevationOD	3,336	2,01	1,604	1,854	1,567	2,031	2,038	1,808	3,718	6,117	1,415	8,139	8,792
Crag 1	-10,7	-9,0			-9,4			-9,2	-10,3				
Crag 2	-15,7	-21,0	-21,4	-20,1	-19,4	-15,0	-21,0	-21,2	-19,3	-16,9	-15,6	-21,9	-18,2
Crag 3	-37,7	-34,0	-29,4	-33,1	-32,4	-35,0	-31,0		-34,3		-36,6	-31,9	
London Clay	-44,7	-43,0	-41,4	-41,1	-43,4	-42,0	-44,0	-42,2	-42,3	-45,4	-41,6	-38,9	-34,2
Lambeth Sand	-54,7	-57,0	-57,4										
Lambeth Clay	-71,7	-69,0	-75,4										
Upper Chalk	-80,7	-80,0	-80,4										

Our conclusion on the mean depth of strata based OD levels from all MPM results is as follows :

Head of strata (m)	STATISTICS on ELEVATION (OD m)					
	Geology	MIN	MAX	MEAN	SD	D (%)
Crag 1		-10.7	-9.0	-9.7	0.7	7
Crag 2		-21.9	-15.0	-19.0	2.5	13
Crag 3		-37.7	-29.4	-33.5	2.5	8
London Clay		-45.4	-34.2	-41.9	2.8	7
Lambeth Sand		-57.4	-54.7	-56.4	1.5	3
Lambeth Clay		-75.4	-69.0	-72.0	3.2	4
Upper Chalk		-80.7	-80.0	-80.4	0.3	0

The dispersion seems to be reduced when working with OD levels.

2.3. Analysis of drilling parameters (penetration rate)

a) From DBH boreholes

Because drillers do not set their rigs in the same manner, we differentiated the works carried out by SOCO on one side and EMCI 700 on the other side.

Below is the statistical analysis of the average penetration rate, per identified strata, over the first 35.0m, in the 13 n° DBH boreholes.

		STATISTICS on PENETRATION RATE (m/h)				
		MIN	MAX	MEAN	SD	D (%)
SOCO	MIN	0	4	1	1	126
	MAX	144	275	206	52	25
	MOY	67	140	98	28	29
Top Sand	SD	23	66	38	14	37
	D (%)	30	49	39	7	18
	MIN	0	16	4	5	123
Peaty Soil	MAX	98	288	189	71	37
	MOY	45	182	107	50	47
	SD	15	47	33	12	37
Crag Deposit	D (%)	20	53	34	12	36
	MIN	0	4	1	1	127
	MAX	95	229	167	47	28
Crag Deposit	MOY	44	67	57	7	13
	SD	15	20	17	2	12
	D (%)	25	46	31	7	22

		STATISTICS on DEPTH OF BASE OF STRATA (m)				
		MIN	MAX	MEAN	SD	D (%)
SOCO	Top Sand	4.00	7.74	5.54	1.38	25
	Peaty Soil	8.96	10.86	10.04	0.83	8

		STATISTICS on PENETRATION RATE (m/h)				
		MIN	MAX	MEAN	SD	D (%)
EMCI	MIN	0	8	2	4	208
	MAX	56	242	182	77	42
	MOY	33	52	43	8	20
Top Sand	SD	14	39	25	10	39
	D (%)	40	94	60	26	44
	MIN	0	3	1	1	149
Peaty Soil	MAX	102	139	126	15	12
	MOY	30	58	41	12	30
	SD	12	21	17	3	18
Crag Deposit	D (%)	33	55	42	9	20
	MIN	0	0	0	0	137
	MAX	74	184	108	44	41
Crag Deposit	MOY	26	38	32	5	17
	SD	8	25	12	7	60
	D (%)	25	66	37	17	46

		STATISTICS on DEPTH OF BASE OF STRATA (m)				
		MIN	MAX	MEAN	SD	D (%)
EMCI	Top Sand	2.08	10.40	7.34	3.77	51
	Peaty Soil	11.16	16.94	13.72	2.52	18

It is interesting to note that :

- the contrast between soft Recent Deposits and the Crag Deposits is better as the penetration rate is more important. For SOCO the contrast is about 150m/h compared to 70m/h whereas for EMCI the contrast is only about 55m/h compared to 40m/h.
- due to the low penetration rate of the EMCI, the average depth of strata shown above for EMCI is erroneous as already explained page 14.

b) From MPM boreholes

Because drillers change the settings of their rigs during drilling in order to adapt to ground conditions for the quality of Ménard Pressuremeter tests, we differentiated the works carried out by SOCO, EMCI and MC450.

Below is the statistical analysis of the average penetration rate, per identified strata, over the first 100.0m, in the 13 n° MPM boreholes.

	EMCI	STATISTICS on PENETRATION RATE					STATISTICS on DEPTH OF BASE OF STRATA				
		MIN	MAX	MEAN	SD	D (%)	MIN	MAX	MEAN	SD	D (%)
Top Sand	MIN	0	0	0	0	109					
	MAX	84	818	248	319	128					
	MOY	42	95	68	21	31	8,94	13,32	10,36	1,77	17,13
	SD	16	124	40	47	117					
	D (%)	25	131	52	44	85					
	MIN	0	1	0	0	89					
Crag 1	MAX	84	1085	306	437	143					
	MOY	22	82	50	29	59	19,10	23,38	21,72	1,83	8,45
	SD	6	179	49	73	147					
	D (%)	32	218	78	79	102					
	MIN	0	2	0	1	209					
	MAX	73	239	160	68	43					
Crag 2	MOY	17	70	42	22	52	31,25	36,18	34,05	2,29	6,73
	SD	11	26	18	7	38					
	D (%)	33	70	48	15	32					
	MIN	0	1	0	1	162					
	MAX	68	249	152	80	52					
	MOY	16	48	35	15	43	42,83	46,84	44,95	1,82	3,60
Crag 3	SD	9	28	17	8	45					
	D (%)	31	63	52	15	28					
	MIN	0	1	1	1	81					
	MAX	82	343	180	113	63					
	MOY	16	48	27	12	40					
	SD	11	23	17	5	28					
London CLY	D (%)	39	129	74	40	55					
	MIN	0	3	1	1	73					
	MAX	106	524	304	127	42					
	MOY	23	246	118	72	62	9,27	13,30	10,91	1,77	16,21
	SD	17	119	59	31	53					
	D (%)	33	80	58	19	33					
Crag 1	MIN	0	3	1	1	161					
	MAX	93	229	158	53	34					
	MOY	19	47	34	11	32	16,82	28,24	22,19	3,87	17,44
	SD	10	27	15	5	35					
	D (%)	26	63	47	13	27					
	MIN	0	4	1	1	123					
Crag 2	MAX	60	158	107	39	36					
	MOY	22	55	35	11	33	35,88	40,10	38,19	1,53	4,01
	SD	8	19	12	4	35					
	D (%)	22	53	36	10	29					
	MIN	0	5	2	2	114					
	MAX	78	378	144	117	81					
Crag 3	MOY	32	47	38	5	14	42,54	50,14	45,30	2,59	6,73
	SD	8	54	18	18	95					
	D (%)	21	114	45	35	76					
	MIN	0	26	6	9	161					
	MAX	75	965	249	309	124					
	MOY	25	335	87	102	117					
London CLY	SD	7	303	81	102	168					
	D (%)	16	97	49	30	61					
	MIN	0	0	0	0	0					
	MAX	184	371	246	110	45					
	MOY	32	57	44	13	29	73,38	73,59	73,47	0,11	0,15
	SD	23	76	41	30	72					
Clayey SND	D (%)	59	132	68	39	45					
	MIN	0	0	0	0	173					
	MAX	74	629	306	289	94					
	MOY	9	160	64	64	133	79,50	82,00	80,89	1,27	1,57
	SD	8	97	43	47	109					
	D (%)	60	121	89	30	34					
Red CLY	MIN	0	0	0	0	0					
	MAX	135	321	244	97	40					
	MOY	32	78	60	24	41					
	SD	25	46	35	11	31					
	D (%)	47	78	61	16	25					
	White CHLK										

It is interesting to note that :

- depths obtained (with average penetration rate per machine) are comparable to those obtained based on MPM tests results. However we would recommend to rely more on the boundaries defined by MPM tests results which are on average 0,50m deeper than the ones given by the penetration rate.

2.4. Analysis of pressuremeter tests results

660 N° Ménard Pressuremeter tests were carried out to define the in-situ soil mechanical characteristics of the various strata encountered. On the basis of Ménard Pressuremeter test results, the following was observed based on a statistical analysis that is detailed in the Appendix A5 :

a) Analysis of the limit pressure for each strata.

STATISTICS on PL					
	MIN	MAX	MEAN	SD	D (%)
Alluvium					
Min	0,36	0,64	0,44	0,11	26
Max	0,36	0,89	0,57	0,21	37
Mean	0,36	0,64	0,49	0,11	22
Std Devia	0,06	0,24	0,15	0,12	83
Devia	12,80	43,02	27,91	21,37	77
Crag 1					
Min	1,05	3,91	2,01	0,99	49
Max	4,75	10,87	8,16	1,82	22
Mean	3,04	6,09	4,64	0,96	21
Std Devia	1,07	3,25	2,25	0,74	33
Devia	17,64	66,34	49,71	14,33	29
Crag 2					
Min	4,48	9,38	6,40	1,33	21
Max	9,01	19,58	13,51	2,97	22
Mean	7,19	11,64	9,18	1,29	14
Std Devia	0,86	3,61	2,26	0,81	36
Devia	10,91	37,65	24,39	7,39	30
Crag 3					
Min	5,90	10,83	7,34	1,51	21
Max	6,14	19,65	13,31	5,17	39
Mean	6,14	15,89	10,06	2,96	29
Std Devia	2,00	4,72	3,32	0,89	27
Devia	17,89	39,29	29,13	7,31	25
London Clay					
Min	2,02	5,42	3,31	0,95	29
Max	3,44	7,51	4,81	1,04	22
Mean	3,14	5,68	4,03	0,87	22
Std Devia	0,17	1,49	0,60	0,36	59
Devia	0,13	26,27	14,06	7,89	58
Lambeth Sand					
Min	1,19	7,18	3,59	3,17	88
Max	9,68	17,08	12,87	3,81	30
Mean	5,43	10,10	7,19	2,54	35
Std Devia	2,60	3,90	3,17	0,67	21
Devia	29,73	71,80	48,16	21,51	45
Lambeth Clay					
Min	4,78	7,88	6,26	1,56	25
Max	7,55	14,08	11,23	3,34	30
Mean	6,80	10,96	9,09	2,11	23
Std Devia	0,48	2,63	1,76	1,13	64
Devia	0,07	23,99	15,62	13,48	86
Upper Chalk					
Min	5,76	7,13	6,29	0,73	12
Max	13,49	17,18	15,89	2,09	13
Mean	9,58	10,70	10,07	0,57	6
Std Devia	1,88	4,00	3,14	1,12	35
Devia	0,42	33,15	17,51	16,41	94

It is interesting to note that :

- the average limit pressure is undifferentiated between Crag 2 (9,18 MPa) and Crag 3 (10,06 MPa). The two layers have similar limit pressure characteristics on average.
- the most important dispersion (about 30 %) is in the Lambeth Sand and Crag 3.

b) Analysis of the creep pressure for each strata.

STATISTICS on Pf					
	MIN	MAX	MEAN	SD	D (%)
Alluvium					
Min	0,17	0,29	0,23	0,05	20
Max	0,17	0,45	0,30	0,10	33
Mean	0,17	0,30	0,26	0,05	19
Std Devia	0,04	0,10	0,07	0,04	61
Devia	14,72	33,91	24,31	13,57	56
Crag 1					
Min	0,42	1,58	0,79	0,41	51
Max	2,02	3,82	3,10	0,57	18
Mean	1,36	2,86	1,93	0,49	25
Std Devia	0,35	1,08	0,80	0,22	27
Devia	14,95	65,09	44,43	15,18	34
Crag 2					
Min	1,69	3,17	2,55	0,40	16
Max	3,47	4,31	3,76	0,20	5
Mean	2,73	3,45	3,17	0,27	8
Std Devia	0,25	0,62	0,40	0,10	25
Devia	7,31	20,87	12,96	4,17	32
Crag 3					
Min	2,26	3,32	2,92	0,40	14
Max	2,33	3,82	3,50	0,51	15
Mean	2,33	3,69	3,29	0,41	13
Std Devia	0,18	0,65	0,36	0,15	41
Devia	5,00	20,58	10,52	4,94	47
London Clay					
Min	1,24	3,50	1,76	0,66	38
Max	1,90	3,51	2,68	0,57	21
Mean	1,64	3,50	2,16	0,53	25
Std Devia	0,01	1,08	0,40	0,28	69
Devia	0,17	53,54	18,57	14,57	78
Lambeth Sand					
Min	0,71	2,93	1,79	1,11	62
Max	3,88	4,02	3,97	0,07	2
Mean	2,63	3,74	3,13	0,56	18
Std Devia	0,39	0,98	0,74	0,31	41
Devia	10,56	32,58	25,01	12,53	50
Lambeth Clay					
Min	3,07	4,04	3,55	0,49	14
Max	4,11	4,15	4,13	0,02	0
Mean	3,85	4,08	3,96	0,12	3
Std Devia	0,05	0,36	0,22	0,16	72
Devia	0,09	6,68	2,64	3,54	134
Upper Chalk					
Min	2,69	3,66	3,16	0,48	15
Max	4,21	4,72	4,39	0,29	7
Mean	3,89	4,11	4,00	0,11	3
Std Devia	0,14	0,55	0,38	0,21	56
Devia	0,14	11,66	5,11	5,92	116

It is interesting to note that :

- the average creep pressure is undifferentiated between Crag 2 (3,17 MPa) and Crag 3 (3,29 MPa). The two layers have similar creep pressure characteristics on average.
- the most important dispersion (about 25 %) is in the London Clay and Crag 1.

c) Analysis of the deformation modulus for each strata.

STATISTICS on Em					
	MIN	MAX	MEAN	SD	D (%)
Alluvium					
Min	1,7	3,8	2,4	0,8	34
Max	1,7	6,4	3,4	1,9	56
Mean	1,7	4,5	2,9	1,2	41
Std Devia	0,3	2,2	1,3	1,3	104
Devia	11,7	49,0	30,3	26,4	87
Crag 1					
Min	7,6	40,0	18,1	10,2	63
Max	33,8	130,4	82,4	24,6	30
Mean	22,5	59,7	41,7	12,5	30
Std Devia	13,4	37,1	23,1	7,8	34
Devia	23,3	75,5	57,3	15,2	27
Crag 2					
Min	20,8	79,5	44,3	17,0	38
Max	110,9	316,3	181,8	49,3	27
Mean	68,1	128,1	98,7	19,4	20
Std Devia	14,5	77,3	39,1	16,0	41
Devia	14,4	64,5	40,6	16,5	41
Crag 3					
Min	28,2	115,2	70,2	25,8	37
Max	210,7	505,5	305,9	88,3	29
Mean	127,4	316,4	191,4	81,6	32
Std Devia	60,8	159,9	83,5	29,8	36
Devia	26,9	54,5	44,3	7,8	18
London Clay					
Min	14,2	84,0	34,3	19,3	56
Max	34,5	84,9	58,8	16,8	29
Mean	27,9	84,0	44,8	15,6	35
Std Devia	0,9	18,8	10,5	6,0	57
Devia	0,3	50,3	23,5	16,8	71
Lambeth Sand					
Min	10,9	63,5	35,1	26,5	76
Max	137,7	448,8	248,8	171,9	69
Mean	74,5	181,7	113,1	59,5	53
Std Devia	41,1	88,7	57,2	27,3	48
Devia	48,8	56,2	51,5	4,1	8
Lambeth Clay					
Min	83,8	196,7	128,7	60,0	47
Max	222,1	443,1	359,3	119,8	33
Mean	148,5	259,4	213,3	57,7	27
Std Devia	37,6	161,3	87,6	65,2	74
Devia	0,2	69,5	31,7	35,1	111
Upper Chalk					
Min	68,8	180,4	110,1	61,2	56
Max	311,7	486,2	420,8	95,1	23
Mean	150,1	312,1	217,4	84,4	39
Std Devia	64,1	104,3	87,2	20,8	24
Devia	0,3	49,1	30,7	26,5	86

It is interesting to note that :

- the average deformation modulus is almost doubled from Crag 1 (41,7 MPa) to Crag 2 (98,7 MPa) and is doubled again from Crag 2 to Crag 3 (191,4 MPa). The three layers are more distinct based on their deformation characteristics (EM) than based on their failure characteristics (PL). This is why in situ SPT/CPT tests may not spot the difference between Crag 2 and Crag 3.
- the average deformation modulus is undifferentiated between the Lambeth Clay (213 MPa) and the Upper Chalk (217 MPa). The two layers have similar deformation characteristics on average.
- the most important dispersion (about 40 to 50 %) is in the same Lambeth Clay and Upper Chalk.
- very high deformation moduli (> 550 MPa) were measured in the three deep boreholes between a depth of 56.0 and 58.0 m bgl. within the London Clay. These values were disregarded in the statistical analysis but should not be forgotten in the construction process.

d) Analysis of the ratio EM/PL for each strata.

STATISTICS on EM/PL					
	MIN	MAX	MEAN	SD	D (%)
Alluvium					
Min	4	6	5	1	17
Max	4	13	7	3	48
Mean	4	8	6	1	25
Std Devia	1	3	2	1	61
Devia	17	32	25	11	43
Crag 1					
Min	5	7	6	1	10
Max	9	15	12	2	16
Mean	7	12	9	1	16
Std Devia	1	3	2	1	28
Devia	15	25	20	4	21
Crag 2					
Min	4	10	7	2	25
Max	10	17	14	2	14
Mean	7	13	10	1	14
Std Devia	1	3	2	1	28
Devia	10	31	22	6	28
Crag 3					
Min	5	17	10	4	41
Max	11	21	15	3	20
Mean	10	17	12	2	20
Std Devia	1	5	3	1	35
Devia	9	36	27	9	34
London Clay					
Min	4	11	8	2	31
Max	9	19	14	3	20
Mean	7	13	11	2	17
Std Devia	1	4	2	1	47
Devia	0	40	19	12	62
Lambeth Sand					
Min	5	10	8	2	31
Max	16	29	21	7	35
Mean	11	18	14	4	25
Std Devia	3	6	4	2	42
Devia	20	36	30	9	29
Lambeth Clay					
Min	10	28	16	10	62
Max	25	57	38	17	45
Mean	16	38	24	13	53
Std Devia	6	10	8	2	25
Devia	0	62	33	31	95
Upper Chalk					
Min	8	22	13	7	53
Max	18	34	28	9	32
Mean	13	27	19	7	39
Std Devia	3	6	5	1	31
Devia	0	36	19	18	92

It is interesting to note that :

- the average ratio EM/PL is undifferentiated between the Crag 1 and Crag 2 (about 10) and would correspond to something sandy without many fines whereas Crag 3 (about 12) seems more cemented or silty. Laboratory tests carried out by SOIL MECHANICS should help to confirm this feature within Crag 3.
- the Lambeth Clay (24) then the Upper Chalk (19) seem to be the most clayey or putty strata.
- the most important dispersion (about 40 to 50 %) is in the same Lambeth Clay and Upper Chalk.

Note:

Please note that the above values are not given to determine pile or settlements design parameters. These values are just to give an overall view of the results across the site.

1. Principle

In our 13 N° DBH boreholes DBH2009_03 to DBH2009_15, piezometer equipments were installed in accordance with EDF specifications.

Installation details including lengths of plain and slotted 74/90mm black threaded pipes can be found in Appendix A4 (Appendix A4, Destructive Borehole Logs) as well as the depths over which gravel (1,7mm to 4,0mm), bentonite pellets, cement/bentonite grout and concrete were installed.

As a general rule, piezometer pipes were slotted over the entire depth of the Crag Deposits and plain above, in the Recent Deposits.

A vibrating wire piezometer was installed in MPM2009_02 at a depth of 95.0 m bgl. with gravel from 100.5 m to 85.0 m, then bentonite pellets up to 80.0 m. Then the borehole was grouted up to the top with a cement/bentonite mix.

2. Water levels

The necessary use of a biodegradable foragum polymer-based support fluid for drilling operations in sand did not allow us to record any static water level. On completion of drilling all DBH boreholes were rinsed using clean mains water prior to the installation of piezometer equipments.

The reader will find on each borehole log the highest water level recorded at the beginning of a shift.

Non stabilised water levels were comprised between 0,40 m in DBH2009_15 on 22.09.2010 and 5,45 m in DBH2009_14 on 14.10.2010. They were comprised between 0,50m in MPM2009_04 on 12.10.2010 and 3,10 m in MPM2009_13 on 10.12.2010.

In order to understand water levels on site, we recommend to disregard non stabilised water levels recorded in our MPM boreholes and just rely on the water levels recorded in our DBH boreholes after SOIL MECHANICS has developed each piezometer by air-lifting operations.

Water migration caused by the sea-tide within the Crag Deposits should also be mentioned and may account for difficulties in keeping boreholes stable while drilling and removing temporary casings.

I. Conclusion

During ground investigation works at the Sizewell "C" Power Station near Ipswich, FONDASOL provided the highest standards of professionalism by ensuring personal responsibility for the day to day control of the in-situ works, in communication with Mrs. Valérie Sellier (EDF CEIDRE) and Mr. James Huntington and Mr. Ben Swallow (SOIL MECHANICS) and in accordance with EDF's "Zero Harm" policy.

Looking at the results of the investigation, the Ménard Pressuremeter provided accurate soil strength (P_L) and stiffness (E_M) information at this site. Results showed precisely the average mechanical characteristics of the various strata encountered including the definition of three layers within the Crag Deposits which we differentiated as Crag 1, Crag 2 and Crag 3, mainly based on the measured deformation modulus (E_M).

Cross comparisons with other geotechnical parameters (laboratory test results, in-situ SPT test results, in-situ SBP test results) should help to confirm this geotechnical feature of the Crag Deposits.

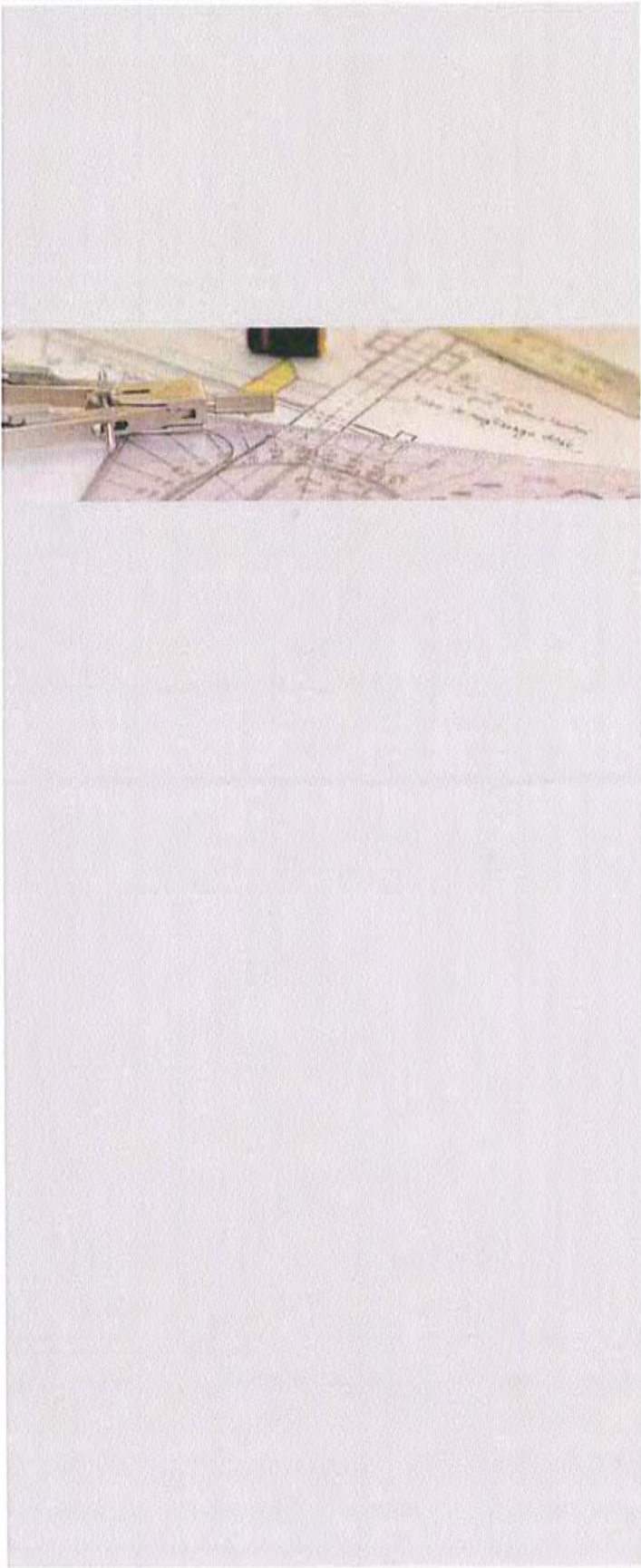
It should be noted that very high deformation moduli were measured in the three deep boreholes between a depth of 56.0 and 58.0 m bgl. within the London Clay. These values were disregarded in the statistical analysis but should not be forgotten in the construction process.

Water migration caused by the sea-tide within the Crag Deposits should also be mentioned and may account for difficulties in keeping boreholes stable while drilling and removing temporary casings.

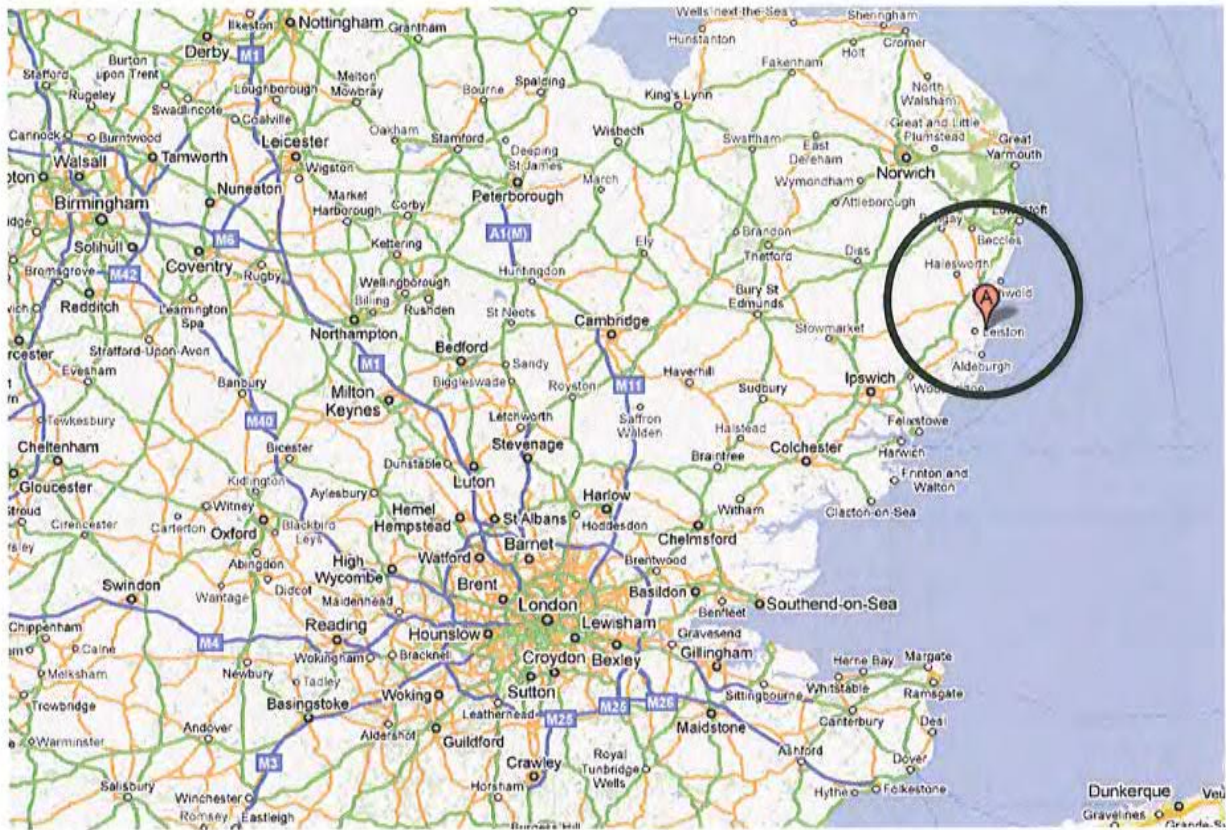
We remain at the disposal of EDF CEIDRE and SOIL MECHANICS for any complementary information you may need.

written by: **A.ANDREI**

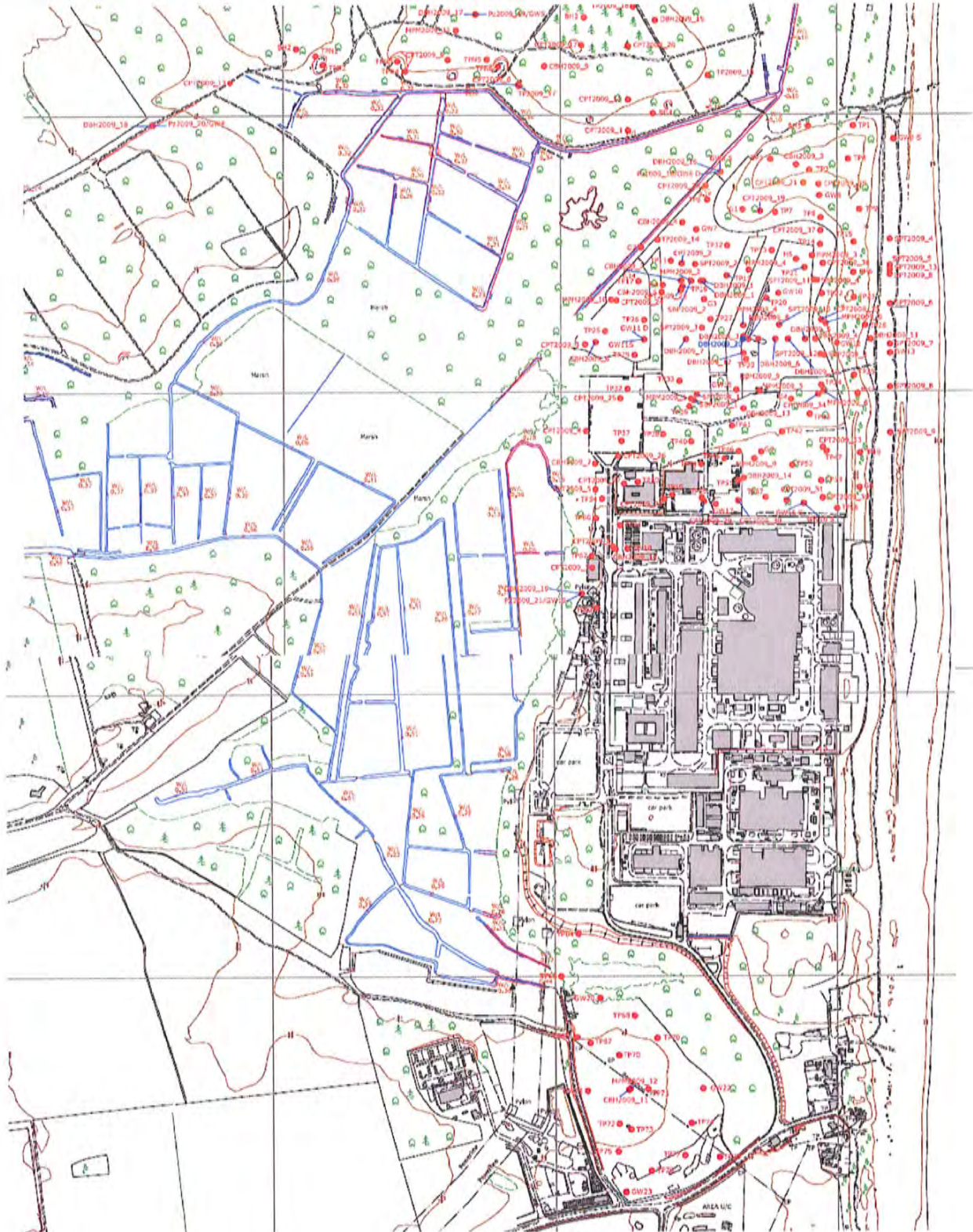
checked by: **M. FLEURY**



AI. Site location plan



A2. Boreholes location plan

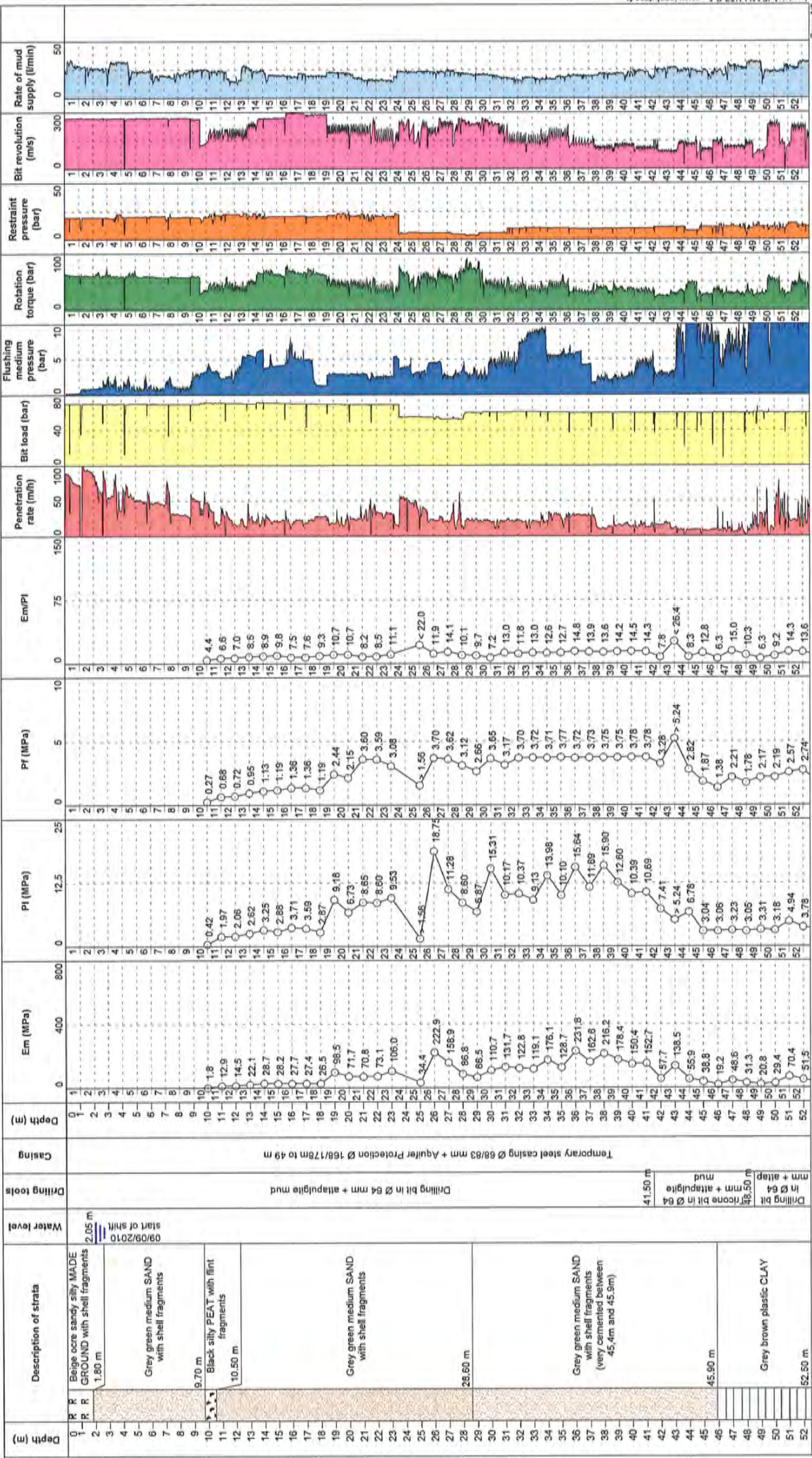


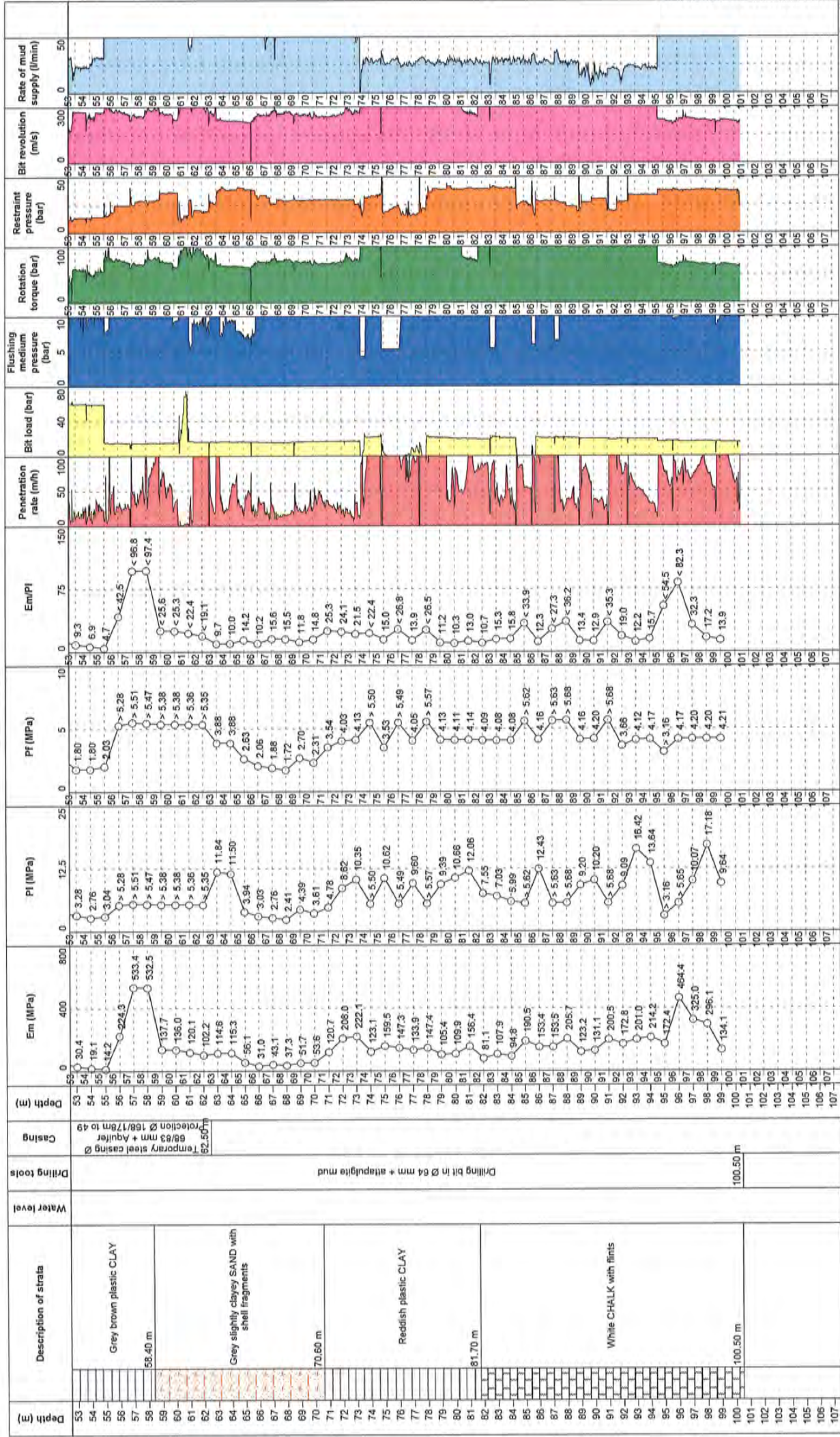


A3. Ménard Pressuremeter borehole logs

SOIL MECHANICS - SIZEWELL C, LEISTON IP 16

BOREHOLE : MPM2009_01





SOIL MECHANICS - SIZEWELL C, LEISTON IP 16



Date : 06/10/2010

Elevation (GL) : 1.604

Depth : 0.00 - 100.50 m

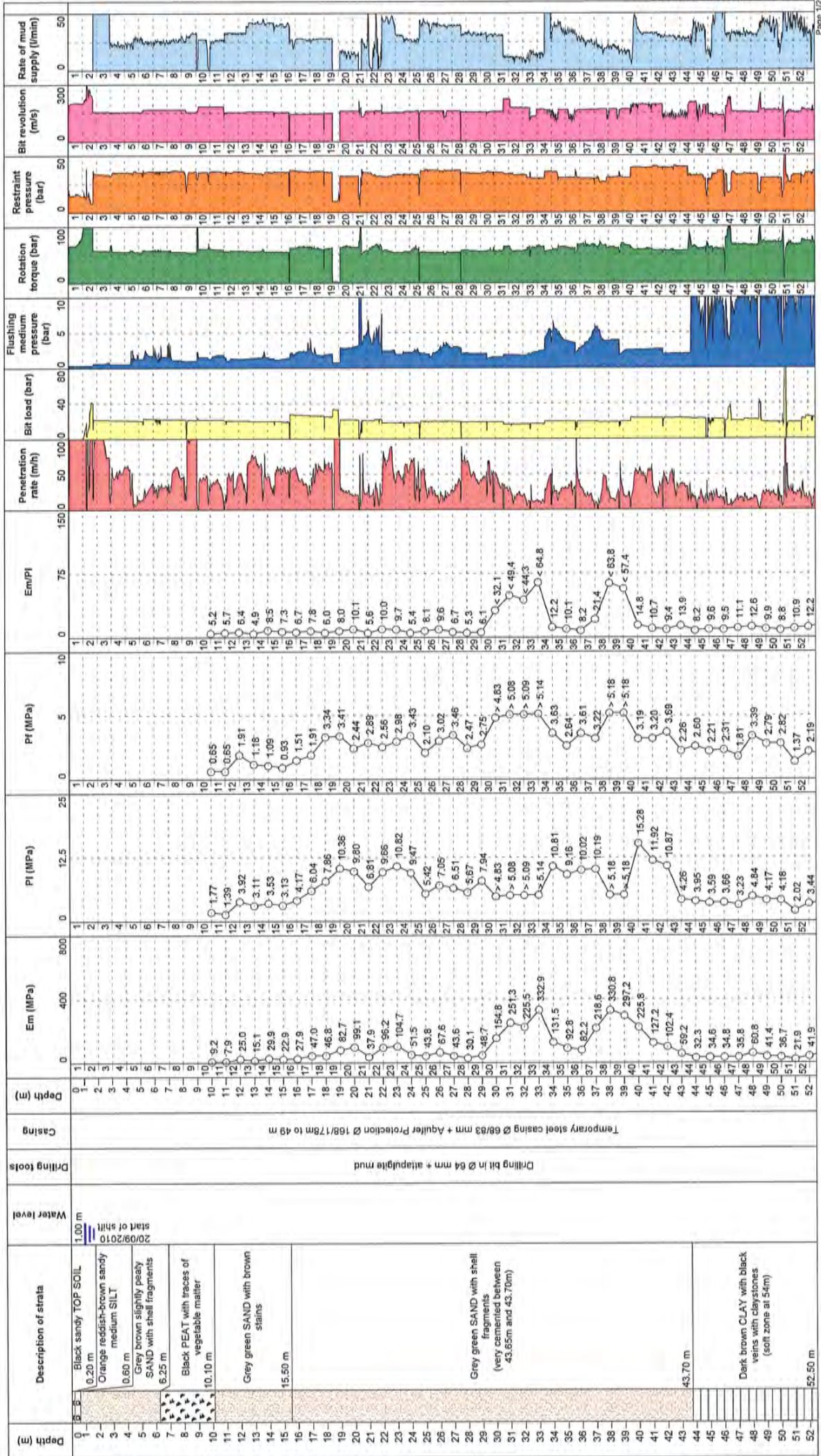
Drilling rig : EMCT100 (to 55m) / MC450 (to 100m)

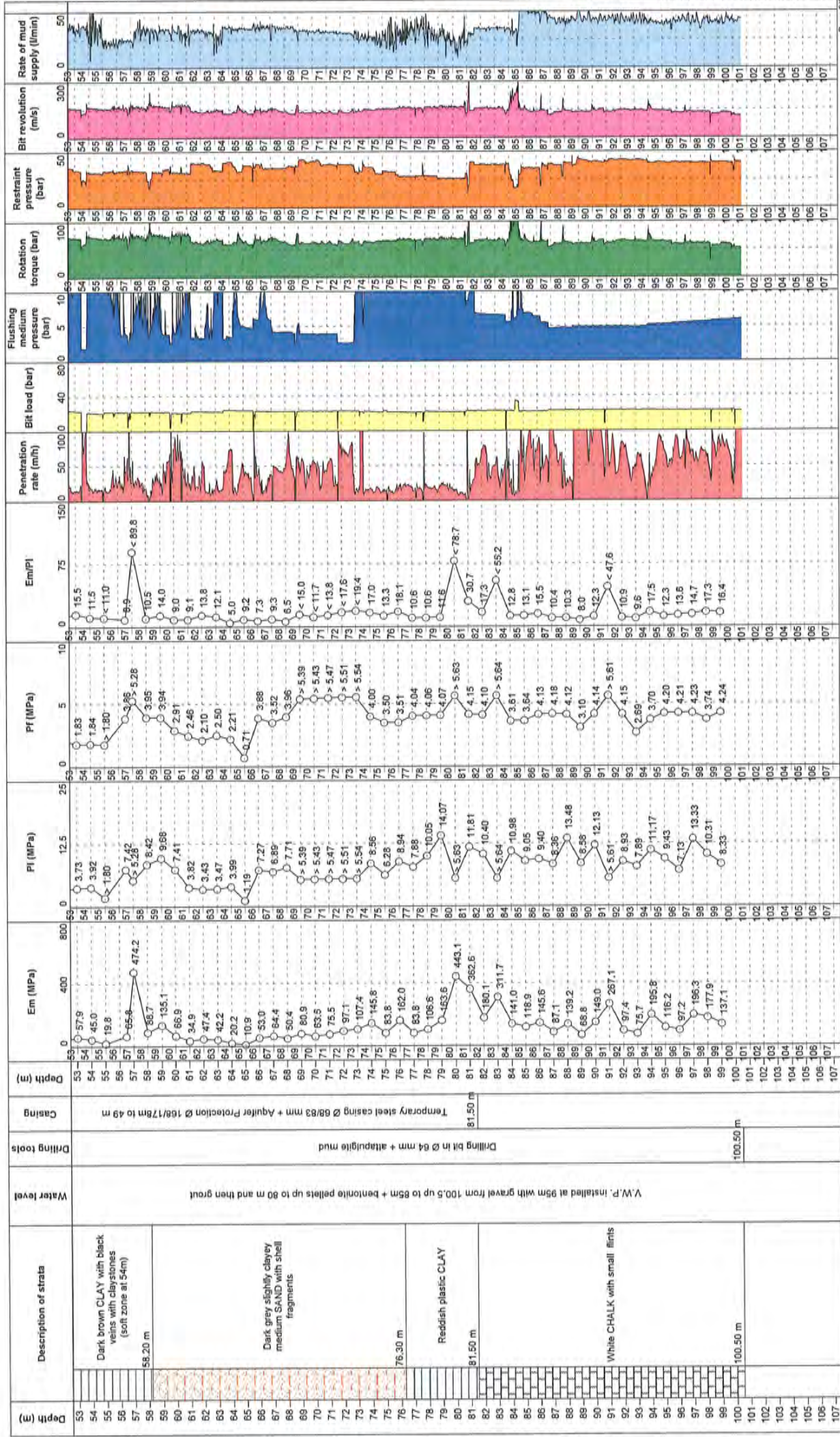
X : E.647233.918

Y : N.264200.837

BOREHOLE : MPM2009_02

EXGTE 2.240LC2EPF520FR

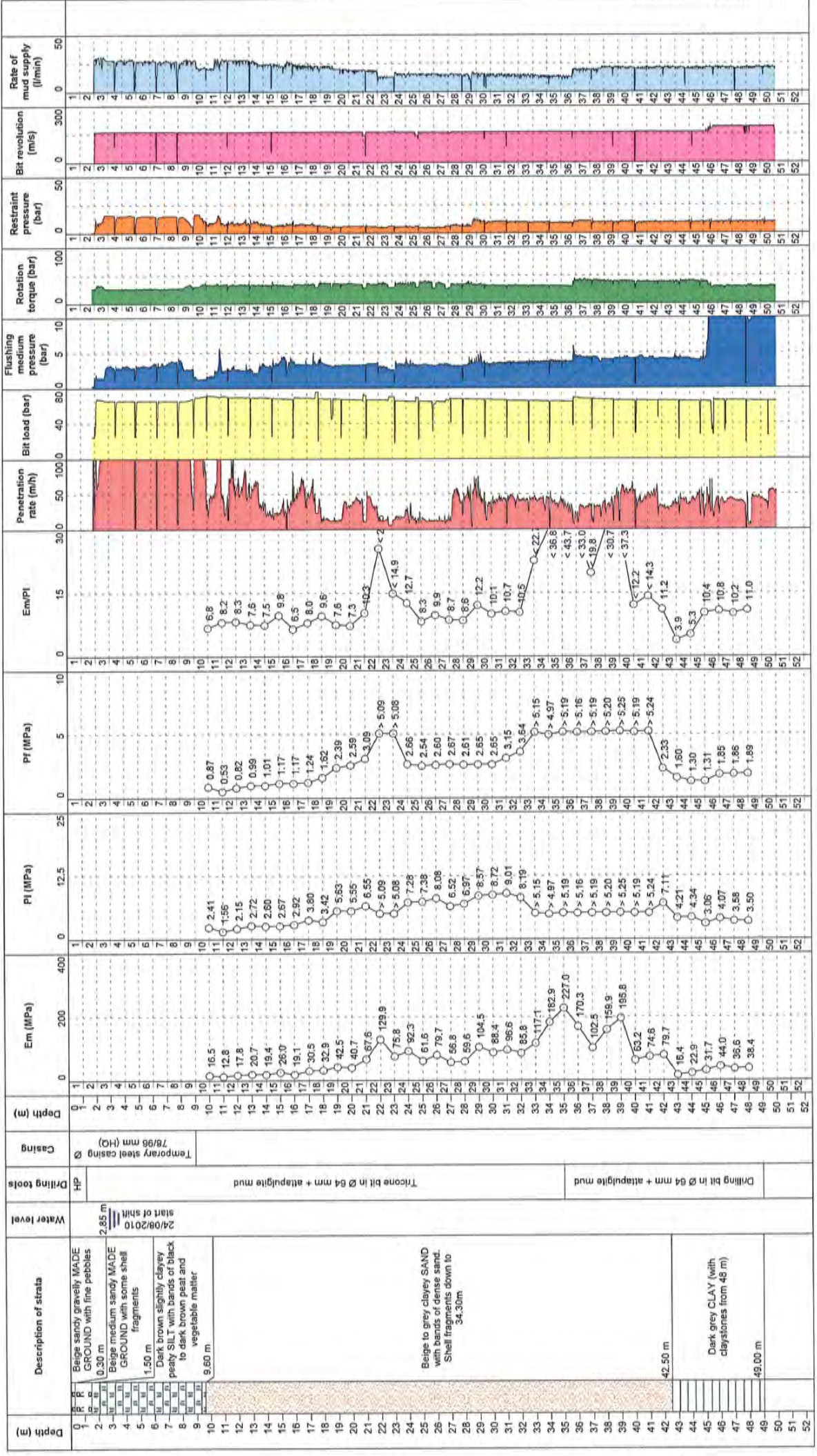




Logiciel JEAN LUTZ S.A - www.jeanlutzsa.fr

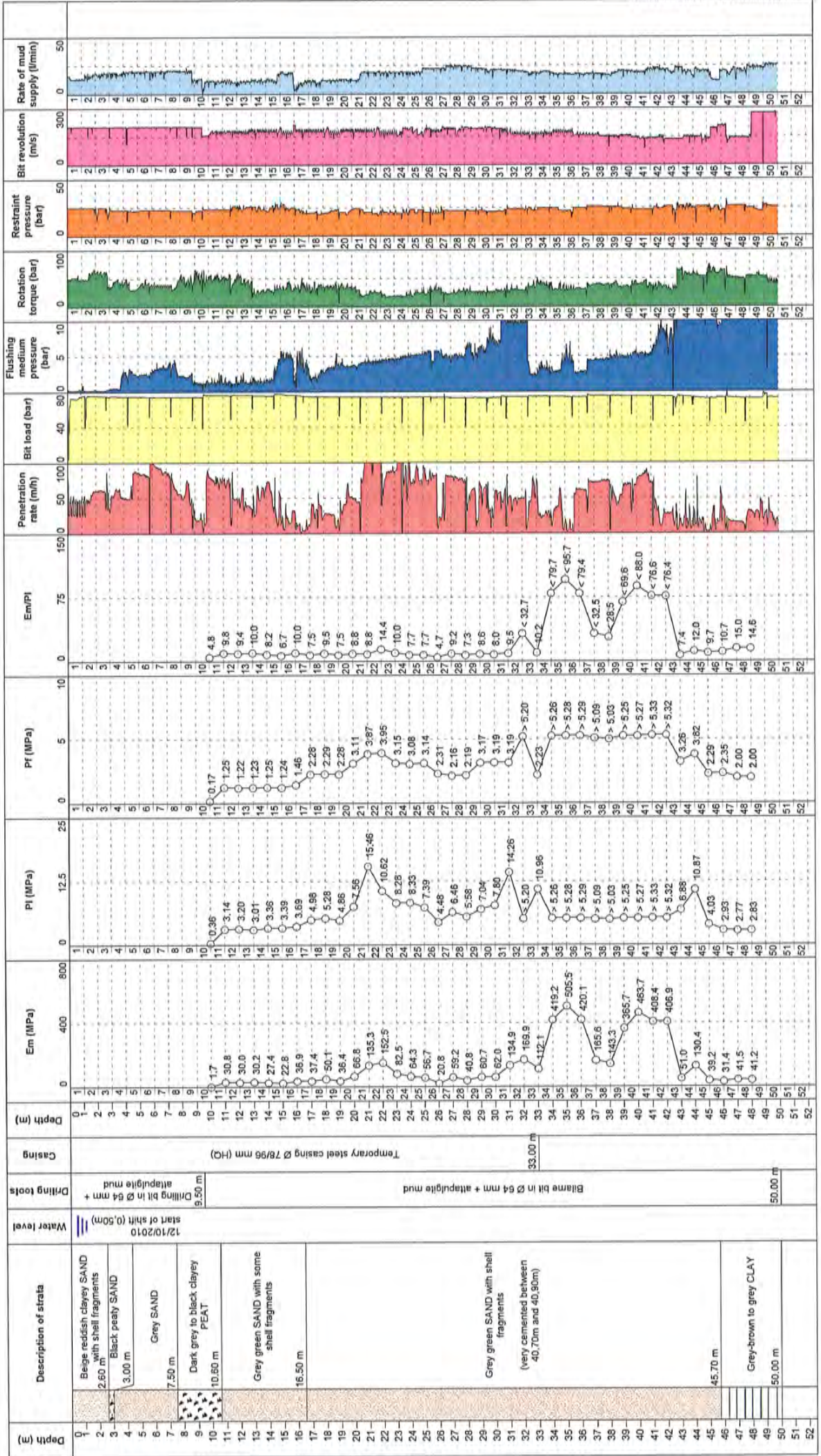
SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

BOREHOLE : MPM2009_03



SOIL MECHANICS - SIZEWELL C, LEISTON IP 16

BOREHOLE : MPM2009_04



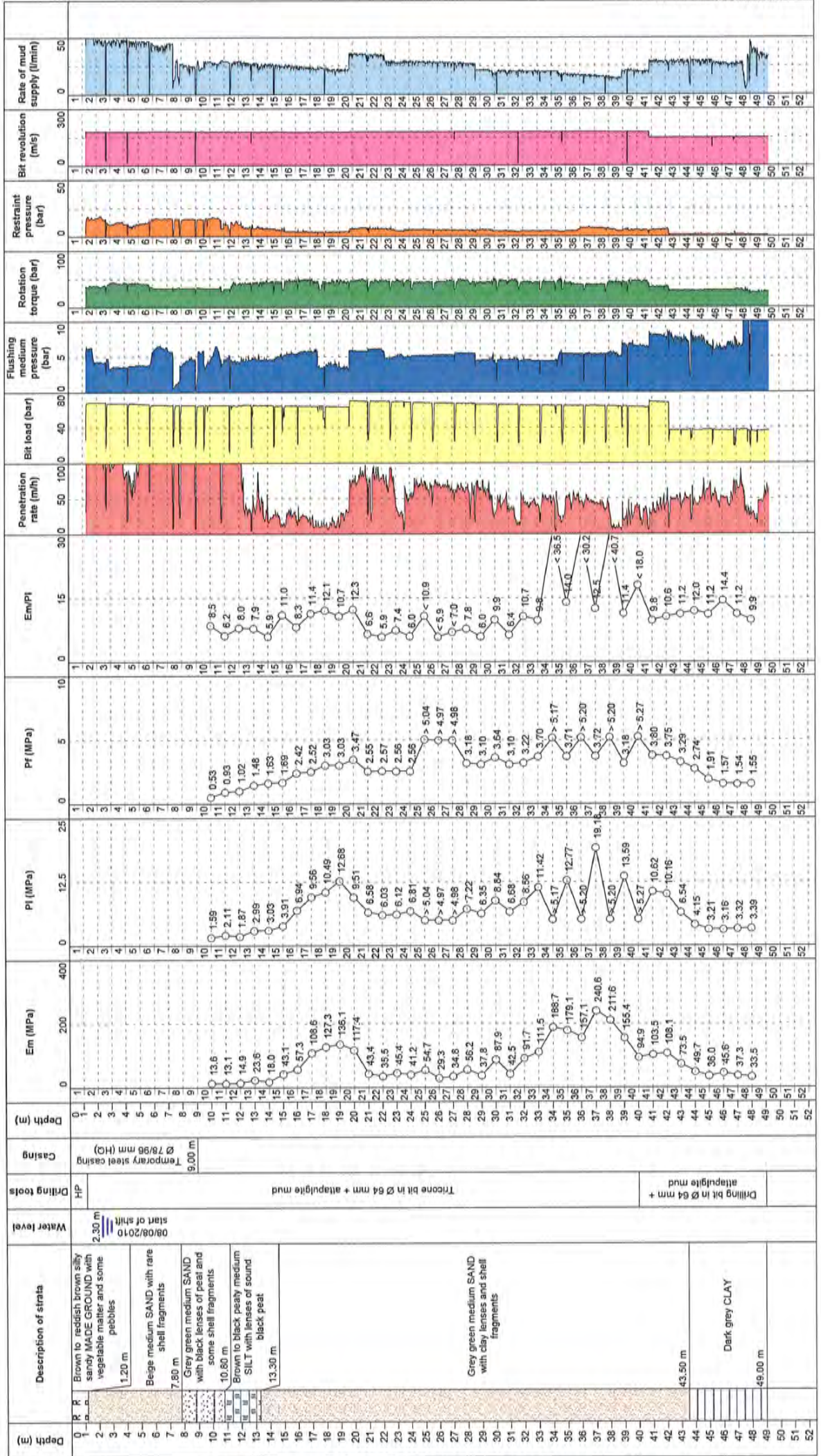
SOIL MECHANICS - SIZEWELL B, LEISTON IP 16



Date : 06/08/2010
 Elevation (GL) : 2.031
 Drilling rig : SOCO 50.4

Depth : 0.00 - 49.00 m
 X : E.647359.119
 Y : N.263993.193
 EXGTE 2.24\LC2EPF520FR

BOREHOLE : MPM2009_05



job n° 10.119



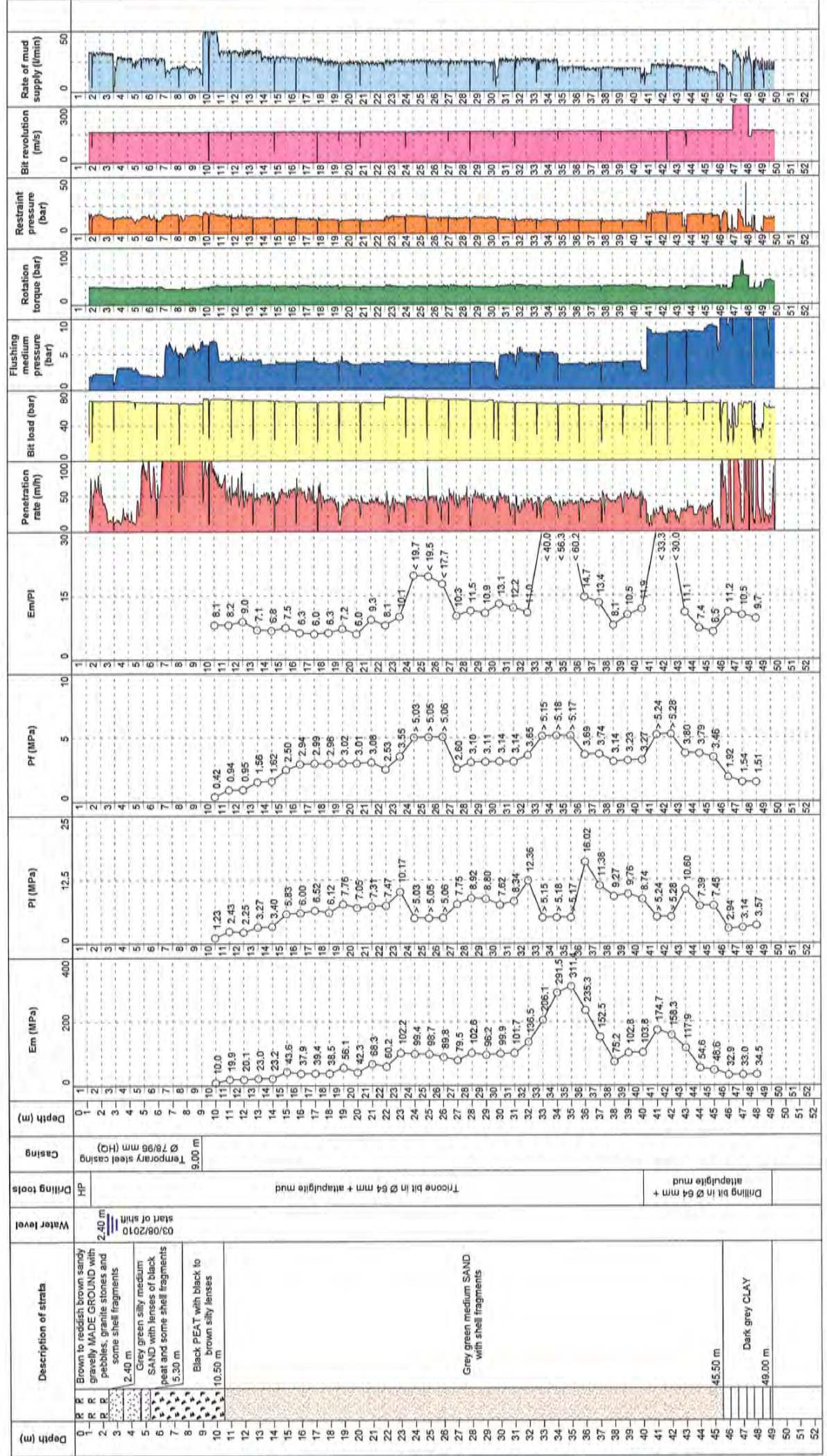
SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

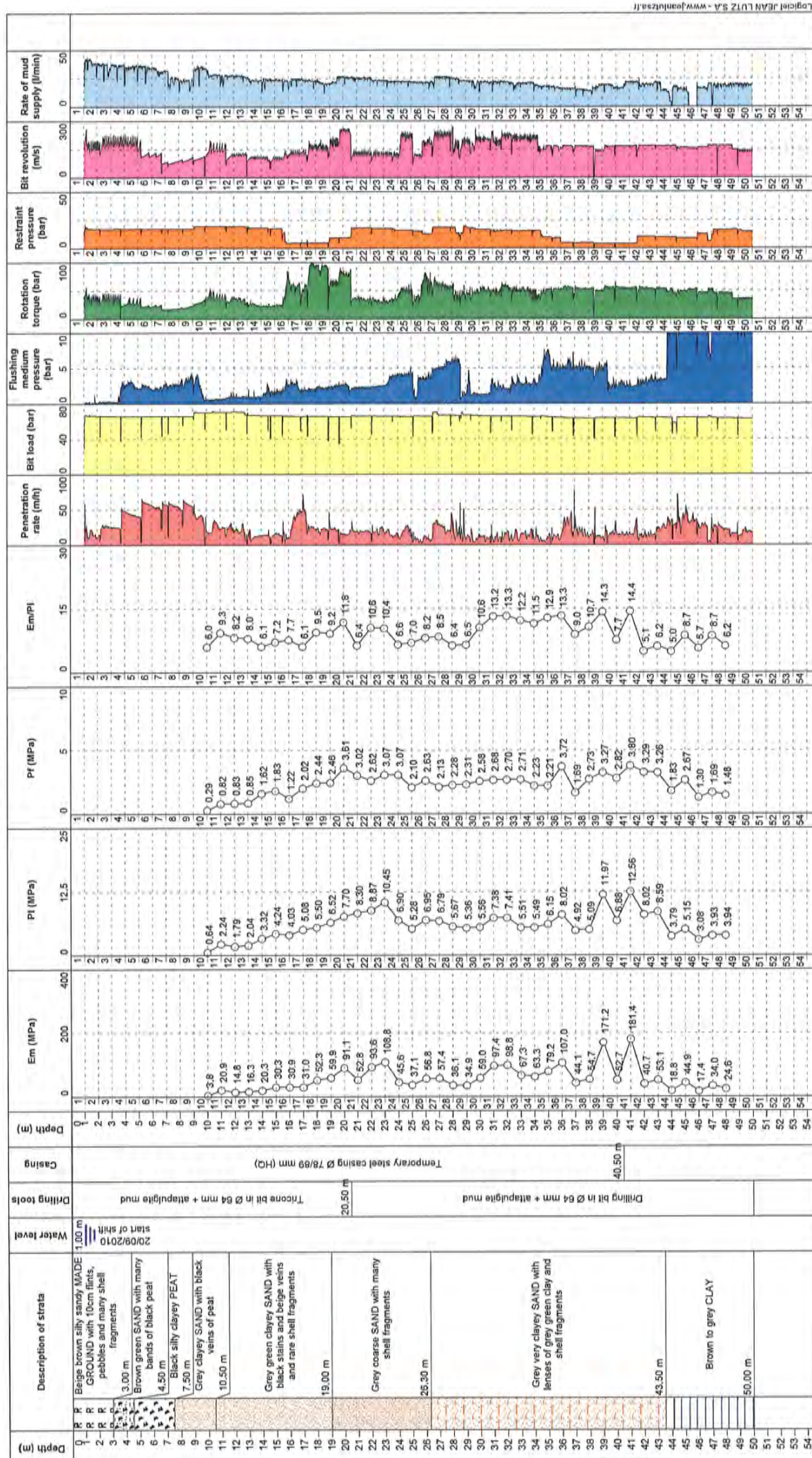
Date : 26/07/2010
 Elevation (GL) : 2.038
 Drilling rig : SOCO 50.4

Depth : 0.00 - 49.00 m
 X : E.647474.999
 Y : N.284002.810

BOREHOLE : MPM2009_06

1/250





SOIL MECHANICS - SIZEWELL C, LEISTON IP 16



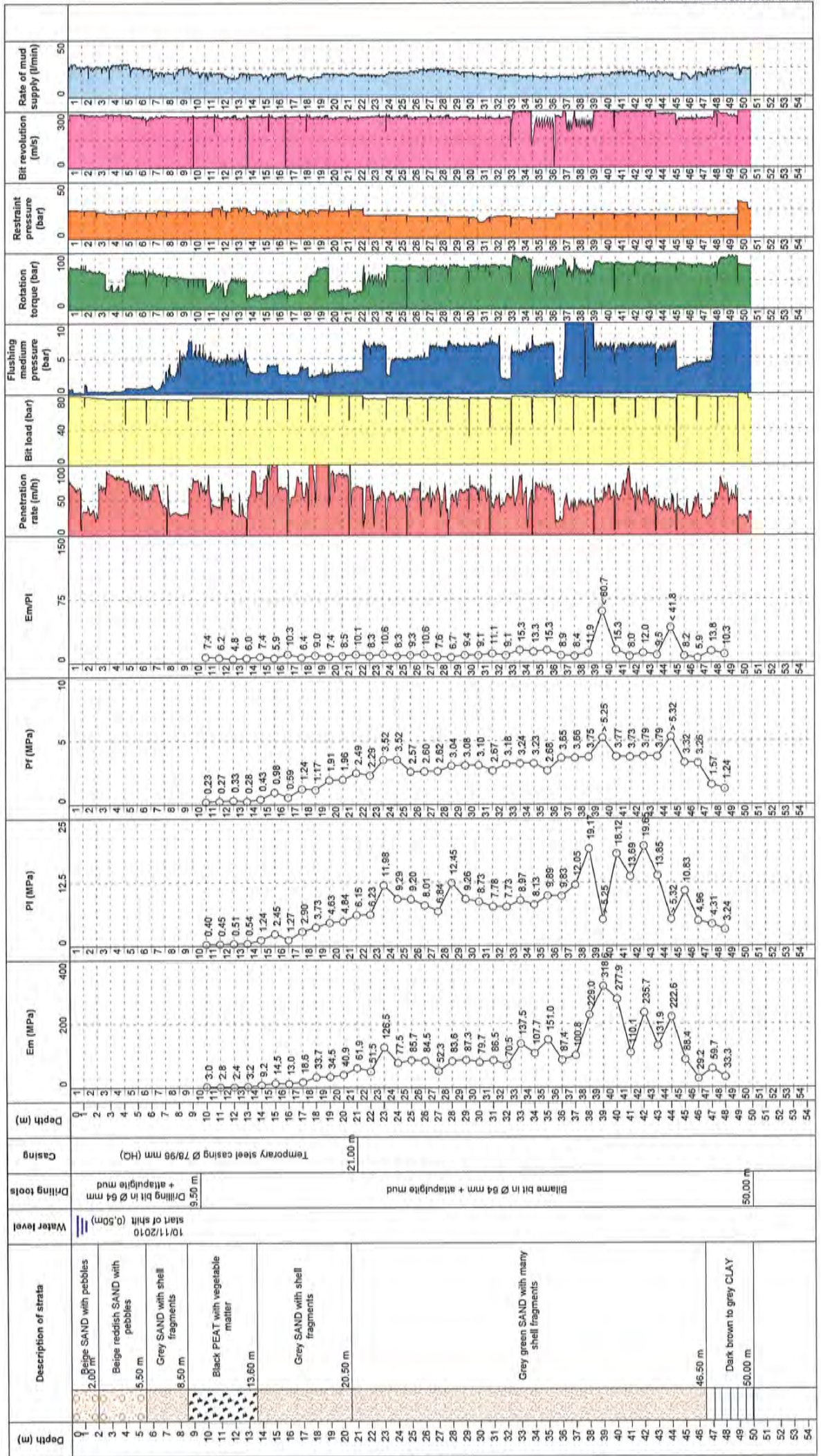
Date : 31/10/2010

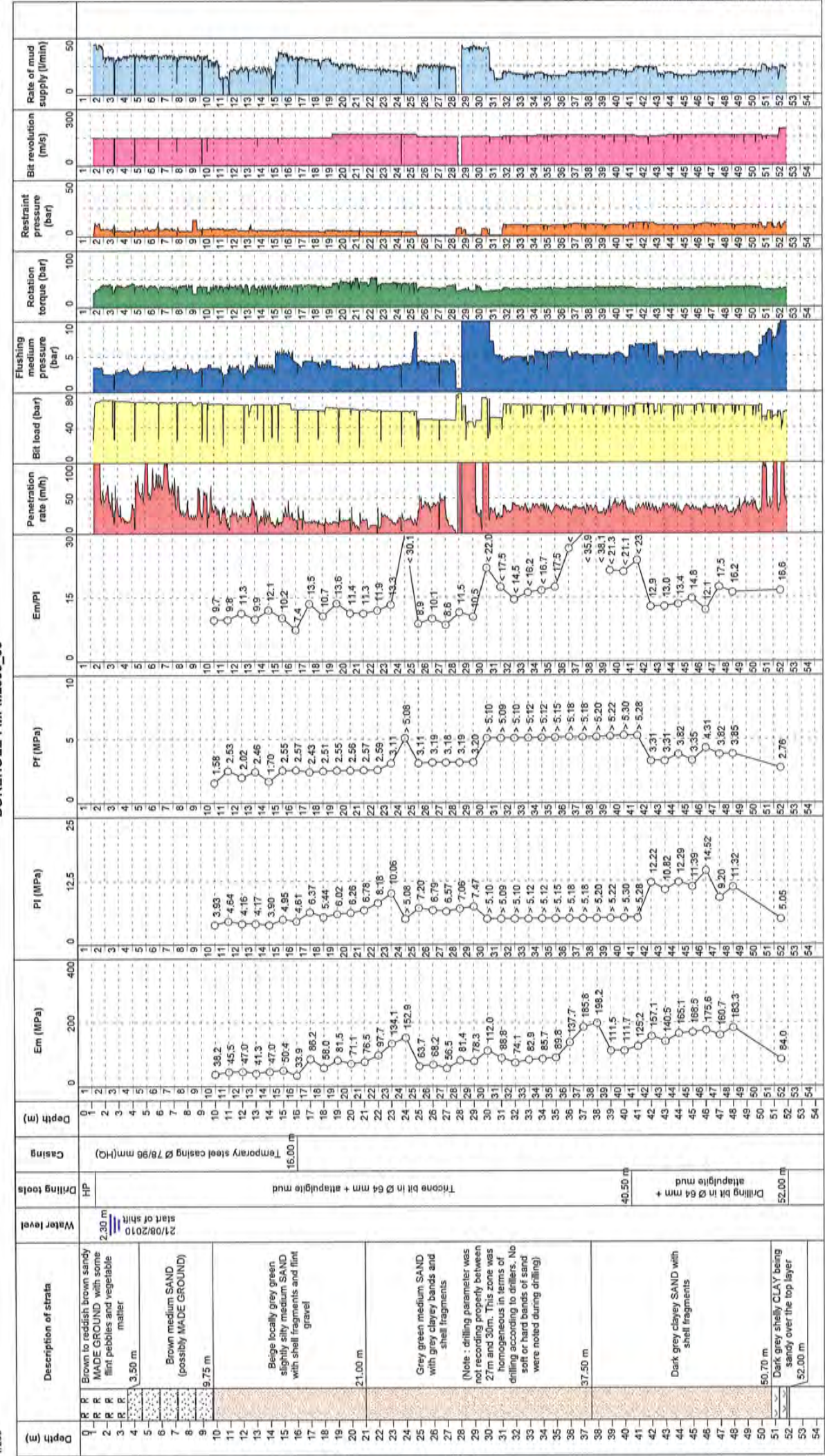
Elevation (GL) : 3.718
Drilling rig : EMCIT00

Depth : 0.00 - 50.00 m
X : E.647474.301
Y : N.264117.599

BOREHOLE : MPM2009_08

1/260





job n° 10.119

Depth : 0.00 - 49.00 m
 X : E.647050.812
 Y : N.264187.209
 EXGTE 2.241LC2EPF520FR

Cote NGF : 1.415
 Drilling rig : SOCO 50.4

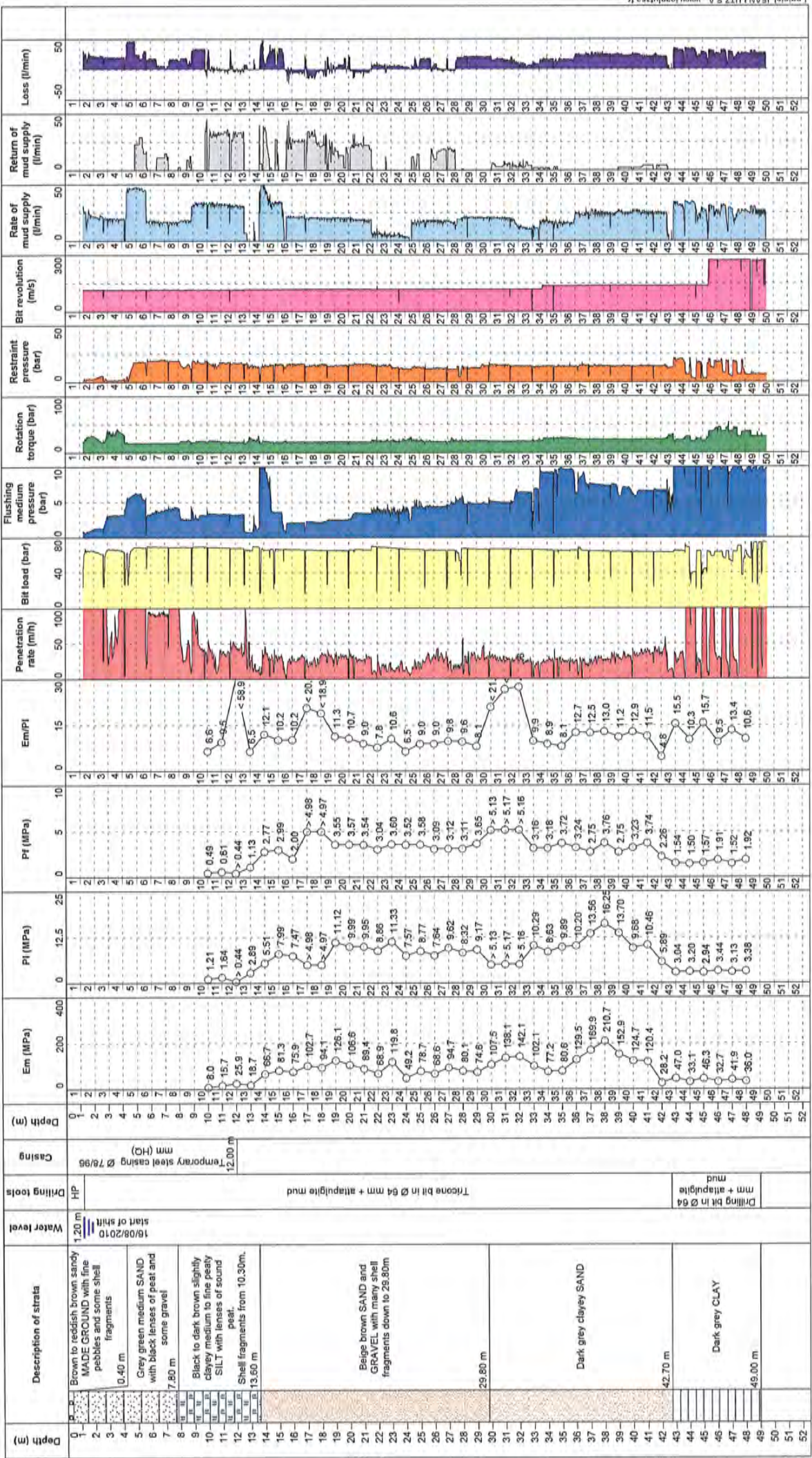
SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

BOREHOLE : MPM2009_10

Date : 15/07/2010



1/250



SOIL MECHANICS - SIZEWELL B, LEISTON IP 16



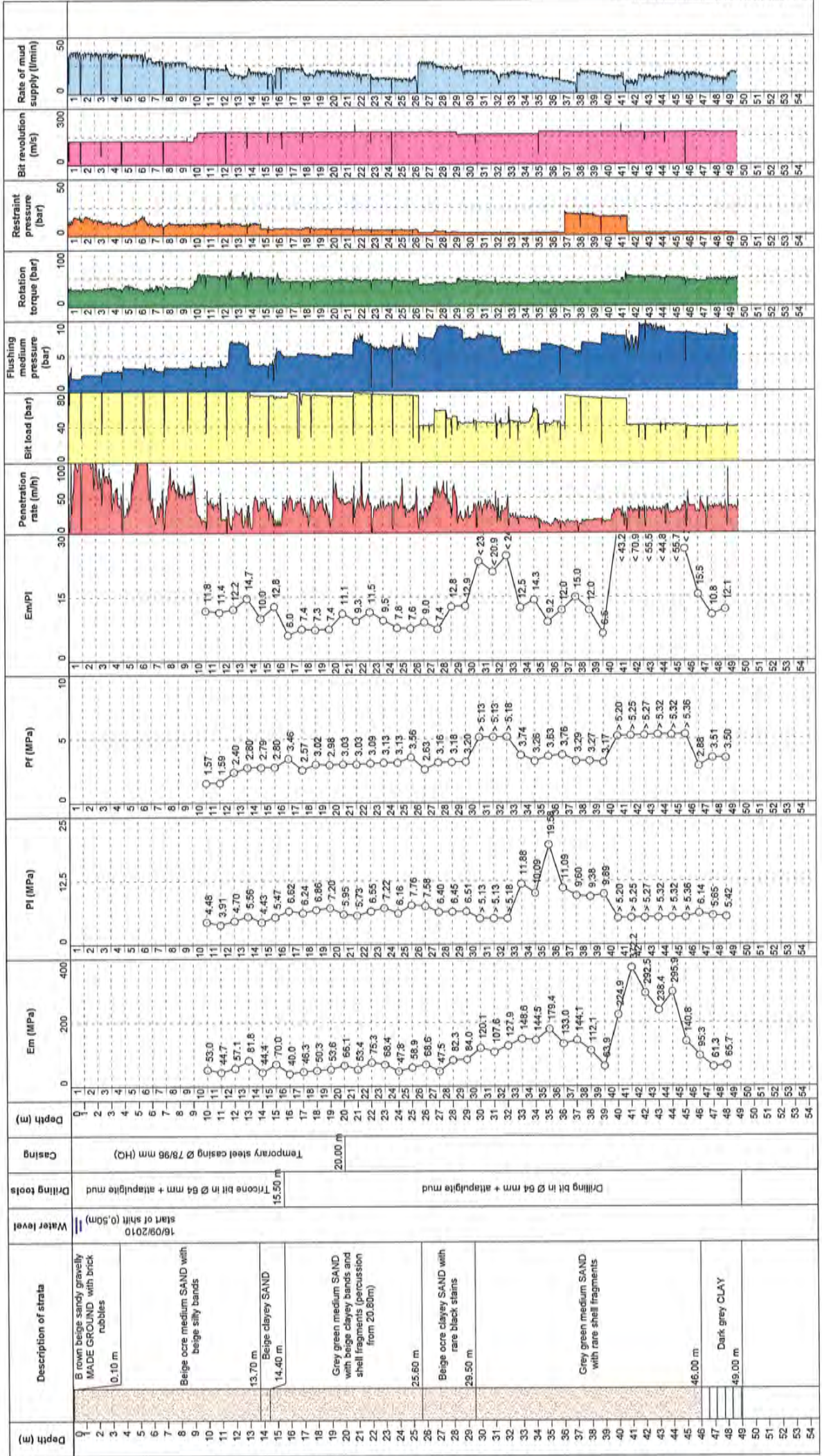
Elevation (GL) : 8.139
Drilling rig : SOCO50

Date : 16/09/2010

Depth : 0.00 - 49.00 m
X : E.646811.963
Y : N.264648.257

BOREHOLE : MPM2009_11

1/260

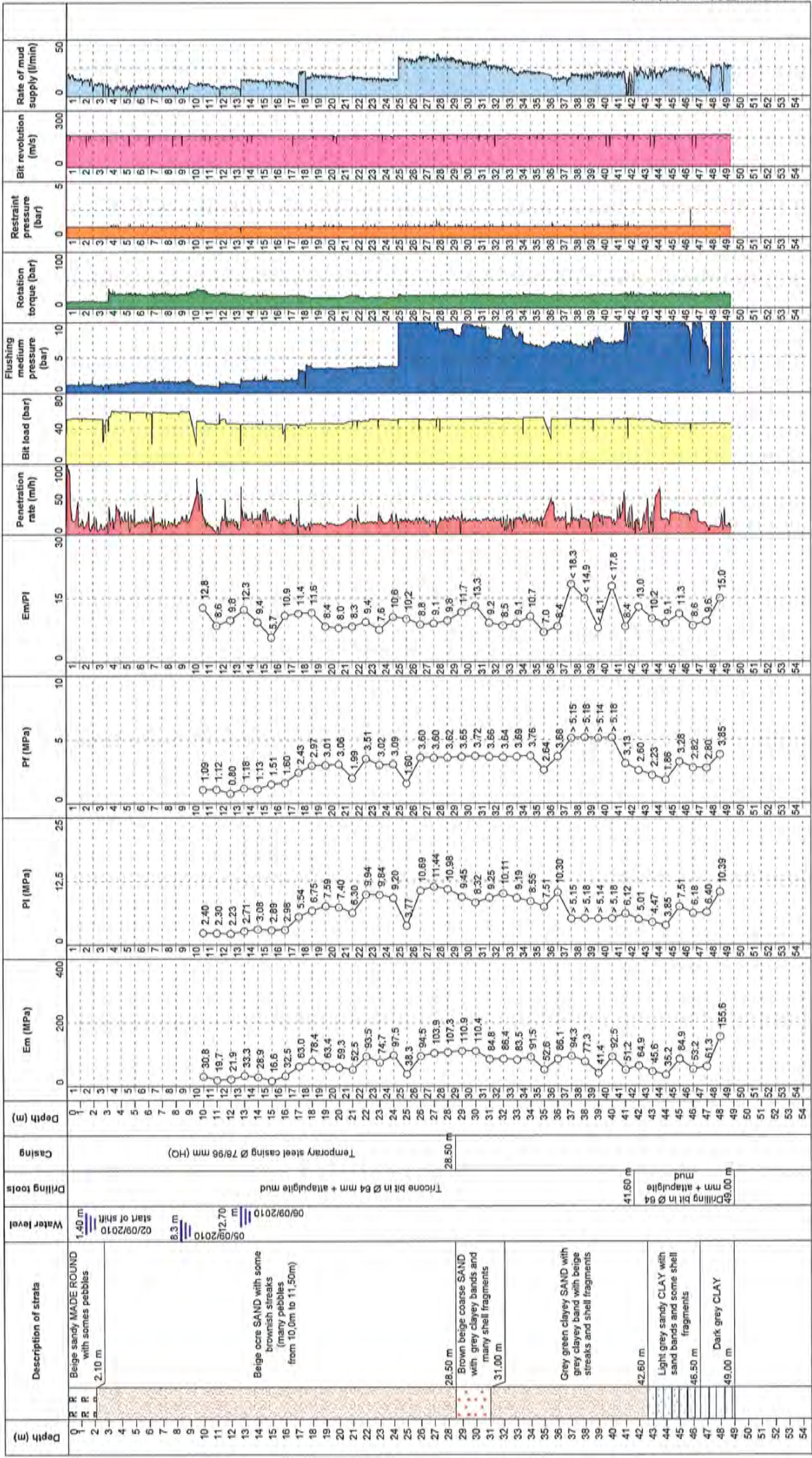


SOIL MECHANICS - SIZEWELL B, LEISTON IP 16



Date : 01/09/2010
 Elevation (GL) : 8.792
 Drilling rig : SOCO 50
 Depth : 0.00 - 50.00 m
 X : E.647124.194
 Y : N.262795.276
 ENGTE 2.24\LC2EPF520FR

BOREHOLE : MPM2009_12

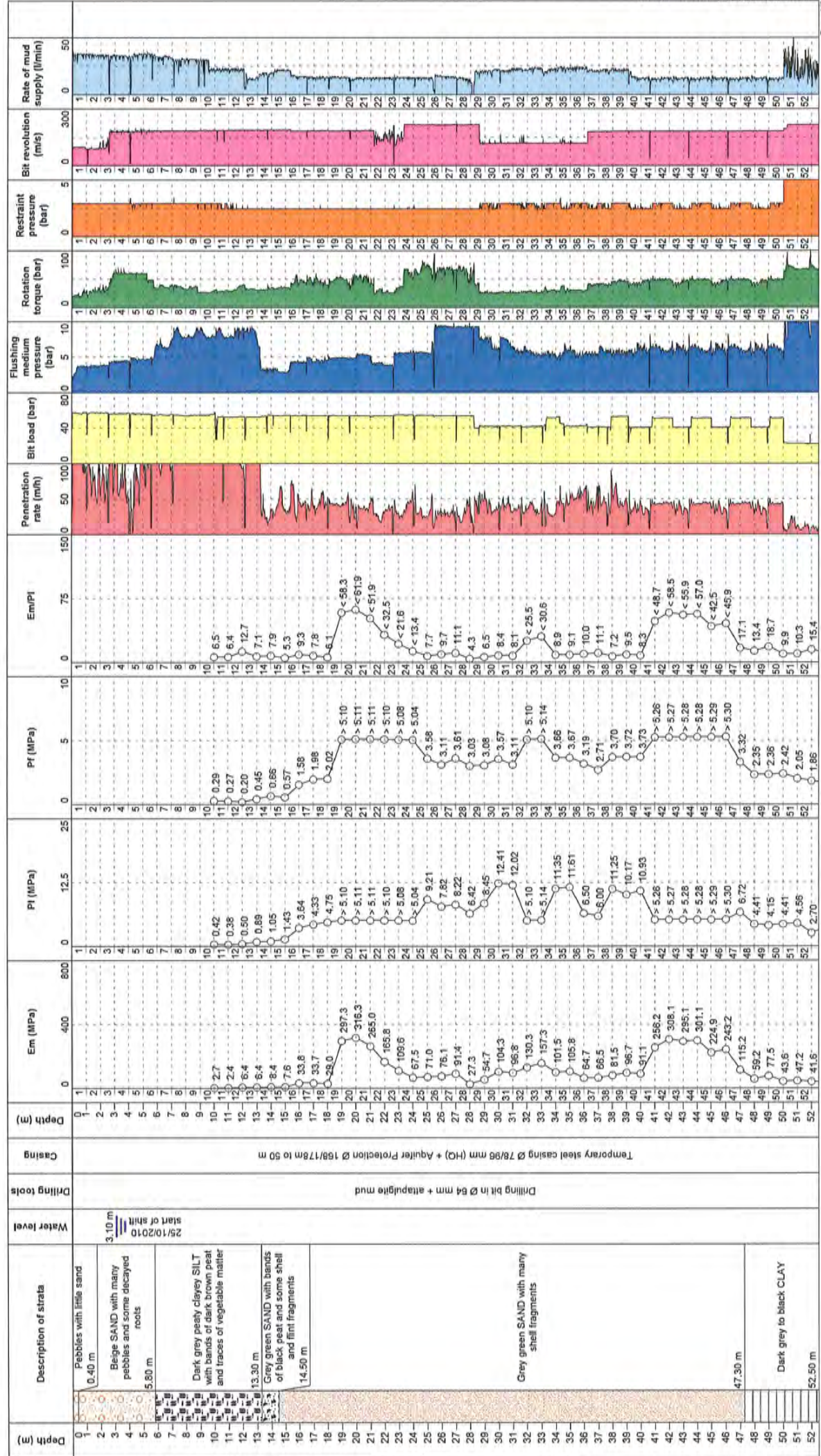


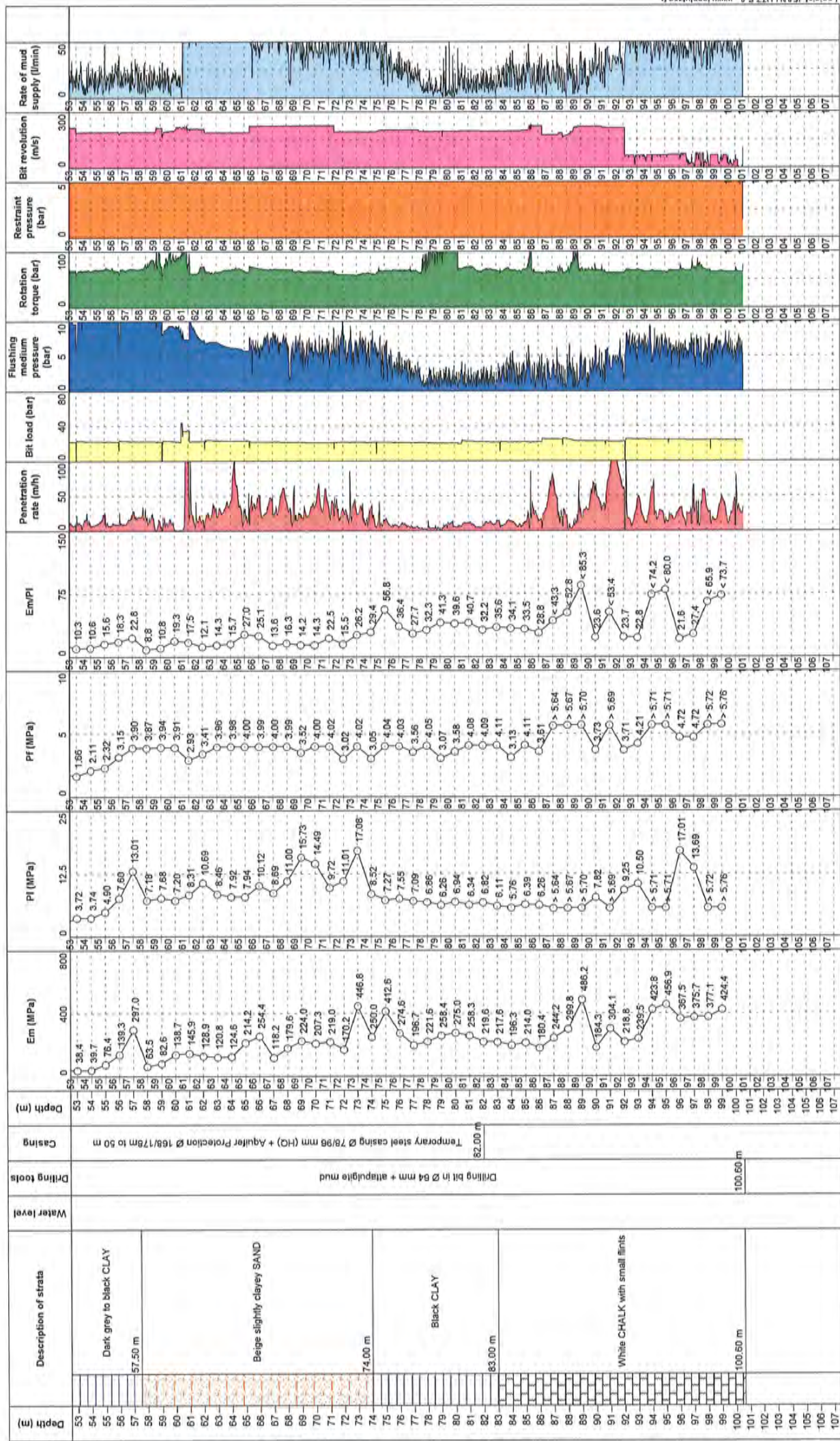


SOIL MECHANICS - SIZEWELL C, LEISTON IP 16

Date : 10/12/2010
 Elevation (GL) : 3.336
 Drilling rig : SUC050 (to 50m) / MC450 (to 100m)
 Depth : 0.00 - 100.60 m
 X : E.647595.912
 Y : N.264219.911
 EXGTE 2.241/C2EPF522FR

BOREHOLE : MPM2009_13





A4. Destructive borehole logs