



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 11 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





Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_6
Contract Ref: 734318	Start: 14.09.19 End: 14.09.19	Ground Level (m AOD): 3.19	National Grid Co-ordinate: E:647055.7 N:263972.0	Sheet: 45 of 50

DCBH2019_6 75.70m - 78.70m depth.



DCBH2019_6 75.70m - 78.70m depth (Split).

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Comacchio MC450-P1	Drilled By:	MVeckabans	Logged By:	Adenham HJones
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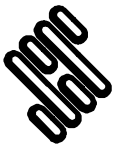
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_6
Contract Ref: 734318	Start: 14.09.19 End: 14.09.19	Ground Level (m AOD): 3.19	National Grid Co-ordinate: E:647055.7 N:263972.0	Sheet: 46 of 50

DCBH2019_6 78.70m - 81.70m depth.



DCBH2019_6 78.70m - 81.70m depth (Split).

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Comacchio MC450-P1	Drilled By:	MVeckabans	Logged By:	ADenham + HJones
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Contract Ref: 734318	Start: 14.09.19 End: 14.09.19	Ground Level (m AOD): 3.19	National Grid Co-ordinate: E:647055.7 N:263972.0	Sheet: 47 of 50

DCBH2019_6 81.70m - 84.70m depth.



DCBH2019_6 84.70m - 87.70m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Comacchio MC450-P1	Drilled By:	MVeckabans	Logged By:	ADenham HJones
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GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:42 | ST9 |



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_6
Contract Ref: 734318	Start: 14.09.19 End: 14.09.19	Ground Level (m AOD): 3.19	National Grid Co-ordinate: E:647055.7 N:263972.0	Sheet: 48 of 50

DCBH2019_6 87.70m - 90.70m depth.



DCBH2019_6 90.70m - 93.70m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Comacchio MC450-P1	Drilled By:	MVeckabans	Logged By:	ADenham + HJones	Ch By:	
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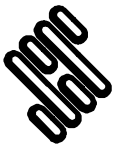
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_6
Contract Ref: 734318	Start: 14.09.19 End: 14.09.19	Ground Level (m AOD): 3.19	National Grid Co-ordinate: E:647055.7 N:263972.0	Sheet: 49 of 50

DCBH2019_6 93.70m - 96.70m depth.



DCBH2019_6 96.70m - 99.70m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Comacchio MC450-P1	Drilled By:	MVeckabans	Logged By:	ADenham + HJones	Ch By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_6
Contract Ref: 734318	Start: 14.09.19 End: 14.09.19	Ground Level (m AOD): 3.19	National Grid Co-ordinate: E:647055.7 N:263972.0	Sheet: 50 of 50

DCBH2019_6 99.70m - 100.45m depth.



GINT LIBRARY_V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:43 | ST9

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Comacchio MC450-P1	Drilled By:	MVeckabans	Logged By:	ADenham + HJones	Ch By:	[REDACTED]
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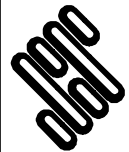
SUMMARY OF DISCONTINUITIES - DCBH2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	82.03-82.04	J	11	P-R	-	-	-	Clean.	BEECK	CHALK
2	82.19-82.24	J	41	S-R	-	-	-	Clean.	BEECK	CHALK
3	82.54	BF	8	P-R	-	-	-	Clean.	BEECK	CHALK
4	82.65-82.70	J	34	P-R	-	-	-	Clean.	BEECK	CHALK
5	82.92-83.03	J	62	P-R	-	-	-	Clean.	BEECK	CHALK
6	83.06-83.07	J	12	U-R	-	-	-	Clean.	BEECK	CHALK
7	83.09-83.12	J	33	U-R	-	-	-	Clean.	BEECK	CHALK
8	83.30	BF	7	U-R	-	-	-	Clean.	BEECK	CHALK
9	83.57-83.59	J	18	U-R	-	-	-	Clean.	BEECK	CHALK
10	83.69-83.72	J	21	U-R	-	-	-	Clean.	BEECK	CHALK
11	83.77	BF	4	P-R	-	-	-	Clean.	PCF	CHALK
12	83.84-83.86	J	12	P-R	-	-	-	Clean.	PCF	CHALK
13	83.93-83.98	J	31	U-R	-	-	-	Clean.	PCF	CHALK
14	83.98-84.16	J	81	P-R	-	-	-	Clean.	PCF	CHALK
15	84.16-84.18	J	16	U-R	-	-	-	Clean.	PCF	CHALK
16	84.39	BF	8	P-R	-	-	-	Clean.	PCF	CHALK

Key:

Type codes: BF = Bedding fracture, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.



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Compiled By



KJOHNSTONE

Date

15.05.20

Contract Ref:

734318

Contract:

Sizewell C Onshore GI Phase 2 2019

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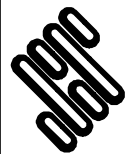
SUMMARY OF DISCONTINUITIES - DCBH2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
17	84.48	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
18	84.63	BF	9	P-R	-	-	-	Clean.	WBCK	CHALK
19	84.80-84.82	J	12	P-R	-	-	-	Clean.	WBCK	CHALK
20	84.92	BF	8	P-R	-	-	-	Clean.	WBCK	CHALK
21	85.15-85.16	J	10	U-R	-	-	-	Clean.	WBCK	CHALK
22	85.40	BF	3	U-R	-	-	-	Clean.	WBCK	CHALK
23	85.66-85.80	J	27	P-R	-	-	-	Clean.	WBCK	CHALK
24	85.88-85.89	J	11	P-R	-	-	-	Rare black specks, unstained and no infill.	WBCK	CHALK
25	85.96-85.97	J	13	P-R	-	-	-	Clean.	WBCK	CHALK
26	86.08-86.09	J	11	P-R	-	-	-	Rare black specks, unstained and no infill.	WBCK	CHALK
27	86.15	BF	4	P-R	-	-	-	Clean.	WBCK	CHALK
28	86.35-86.36	J	12	P-R	-	-	-	Rare black specks, unstained and no infill.	WBCK	CHALK
29	86.60	BF	6	U-R	-	-	-	Clean.	WBCK	CHALK

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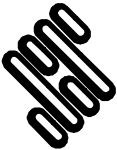
SUMMARY OF DISCONTINUITIES - DCBH2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
30	86.71	BF	3	P-R	-	-	-	Clean.	WBCK	CHALK
31	86.96-86.97	J	16	U-R	-	-	-	Clean.	WBCK	CHALK
32	87.21	BF	7	U-R	-	-	-	Clean.	WBCK	CHALK
33	87.30-87.33	J	25	U-R	-	-	-	Clean.	WBCK	CHALK
34	87.57-87.61	J	32	U-R	-	-	-	Clean.	WBCK	CHALK
35	87.68-87.70	J	21	U-R	-	-	-	Clean.	WBCK	CHALK
36	87.89-87.93	J	32	P-R	-	-	-	Clean.	WBCK	CHALK
37	88.07-88.08	J	11	U-R	-	-	-	Clean.	WBCK	CHALK
38	88.33	BF	8	P-R	-	-	-	Clean.	WBCK	CHALK
39	88.41	BF	2	U-R	-	-	-	Clean.	WBCK	CHALK
40	88.49-88.54	J	47	P-R	-	-	-	Clean.	WBCK	CHALK
41	88.67	BF	9	P-R	-	-	-	Clean.	WBCK	CHALK
42	88.87-88.89	J	14	U-R	-	-	-	Clean.	WBCK	CHALK
43	88.95-88.98	J	28	U-R	-	-	-	Clean.	WBCK	CHALK
44	89.08	BF	3	P-R	-	-	-	Clean.	WBCK	CHALK
45	89.16	BF	4	P-R	-	-	-	Clean.	WBCK	CHALK

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	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 3 of 7 [REDACTED]		

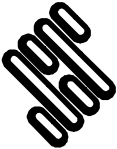
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Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
46	89.42-89.44	J	16	U-R	-	-	-	Clean.	WBCK	CHALK
47	89.85	BF	4	P-R	-	-	-	Clean.	WBCK	CHALK
48	89.96-89.97	J	11	U-R	-	-	-	Clean.	WBCK	CHALK
49	90.18	BF	3	P-R	-	-	-	Clean.	WBCK	CHALK
50	90.35	BF	4	P-R	-	-	-	Clean.	WBCK	CHALK
51	91.83-91.84	J	12	P-R	-	-	-	Clean.	PWBCK	CHALK
52	92.03	BF	2	P-R	-	-	-	Clean.	PWBCK	CHALK
53	92.08	BF	3	P-R	-	-	-	Clean.	PWBCK	CHALK
54	92.14	BF	4	P-R	-	-	-	Clean.	PWBCK	CHALK
55	92.29	BF	2	P-R	-	-	-	Clean.	PWBCK	CHALK
56	92.33-92.57	J	87	P-R	-	-	-	Clean.	PWBCK	CHALK
57	92.41	BF	6	P-R	-	-	-	Clean.	PWBCK	CHALK
58	92.48	BF	1	P-R	-	-	-	Clean.	PWBCK	CHALK
59	92.75-92.78	J	47	P-R	-	-	-	Clean.	PWBCK	CHALK
60	92.87	J	4	P-R	-	-	-	Clean.	PWBCK	CHALK
61	93.22-93.24	J	19	P-R	-	-	-	Clean.	PWBCK	CHALK

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	[REDACTED]	KJOHNSTONE	15.05.20	
	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 4 of 7 [REDACTED]

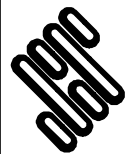
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Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
62	93.27-93.28	J	13	P-R	-	-	-	Clean.	PWBCK	CHALK
63	93.50-93.52	J	18	P-R	-	-	-	Clean.	PWBCK	CHALK
64	93.61-93.63	J	17	S-R	-	-	-	Clean.	PWBCK	CHALK
65	94.49-94.50	J	11	P-R	-	-	-	Clean.	PWBCK	CHALK
66	95.36-95.38	J	12	P-R	-	-	-	Clean.	PWBCK	CHALK
67	95.55-95.58	J	25	P-R	-	-	-	Clean.	PWBCK	CHALK
68	95.66-95.73	J	38	P-R	-	-	-	Clean.	PWBCK	CHALK
69	95.91-95.92	J	11	P-R	-	-	-	Rare black specks, unstained and no infill.	PWBCK	CHALK
70	96.30-96.31	J	12	P-R	-	-	-	Clean.	PWBCK	CHALK
71	96.58	BF	3	P-R	-	-	-	Rare black specks, unstained and no infill.	PWBCK	CHALK
72	96.62	BF	5	P-R	-	-	-	Rare black specks, unstained and no infill.	PWBCK	CHALK
73	96.84-96.85	J	12	P-R	-	-	-	Clean.	PWBCK	CHALK
74	96.97	BF	3	P-R	-	-	-	Clean.	PWBCK	CHALK

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Sizewell C Onshore GI Phase 2 2019

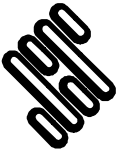
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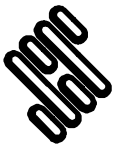
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SUMMARY OF DISCONTINUITIES - DCBH2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
75	97.32	BF	5	P-R	-	-	-	Clean.	PWBCK	CHALK
76	97.49-97.50	BF	10	U-R	-	-	-	Clean.	PWBCK	CHALK
77	97.51	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
78	97.57-97.58	J	14	U-R	-	-	-	Clean.	PWBCK	CHALK
79	97.69-97.70	J	12	U-R	-	-	-	Clean.	PWBCK	CHALK
80	97.83	BF	6	P-R	-	-	-	Clean.	PWBCK	CHALK
81	97.95	BF	7	P-R	-	-	-	Clean.	PWBCK	CHALK
82	98.01	BF	1	P-R	-	-	-	Clean.	PWBCK	CHALK
83	98.12	BF	5	P-R	-	-	-	Clean.	PWBCK	CHALK
84	98.25	BF	4	P-R	-	-	-	Clean.	PWBCK	CHALK
85	98.28	BF	2	P-R	-	-	-	Clean.	PWBCK	CHALK
86	98.36	BF	3	P-R	-	-	-	Clean.	PWBCK	CHALK
87	98.36-98.41	J	89	P-R	-	-	-	Clean.	PWBCK	CHALK
88	98.41	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK
89	98.52	BF	9	U-R	-	-	-	Clean.	PWBCK	CHALK
90	98.72-98.73	J	13	P-R	-	-	-	Clean.	PWBCK	CHALK

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	[REDACTED]		KJOHNSTONE	15.05.20	734318	
	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 6 of 7 [REDACTED]		

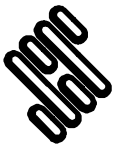


STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318		Start: 14.09.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 2 of 48
End: 22.10.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
4.75-5.50	106	ES	1xT+2xJ+1xV	0	0	0							-3.03	4.75	AZCL
4.75				27	0	0				Partial recovery (27%). Recovered as orangish brown gravelly fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL)					
5.50-6.25	107	ES	1xT+2xJ+1xV	0	0	0							-3.76	5.50	
5.50				93	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
6.25-7.00	108	ES	1xT+2xJ+1xV	0	0	0							-4.51	6.25	
6.30				60	0	0				Orangish brown gravelly fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL)					
6.80	4	ES	1xT+1xJ+1xV	0	0	0							-5.02	6.76	
6.80				60	0	0				Very soft grey CLAY with numerous pseudo-fibrous plant remains and frequent pockets of black amorphous peat (up to 3 x 18mm). (SUPERFICIAL DEPOSITS - CLAY)					
7.00-7.75	109	ES	1xT+2xJ+1xV	0	0	0							-5.71	7.45	
7.00				100	0	0				... 6.66-6.76m: Assumed zone of core loss.					
7.75-8.50	109	ES	1xT+2xJ+1xV	0	0	0							-6.03	7.75	
7.75				100	0	0				... 6.86-6.89m: very thin bed of spongy black pseudo-fibrous peat.					
8.50-9.25	109	ES	1xT+2xJ+1xV	0	0	0							-6.76	8.50	
8.50				100	0	0				... 7.20-7.32m: bluish grey.					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				... 7.36-7.45m: thin bed of spongy brown pseudo-fibrous peat.					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
				100	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
	109	ES	1xT+2xJ+1xV	0	0	0							-7.00	8.50	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318		Start: 14.09.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 3 of 48
		End: 22.10.19			

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
9.25-10.00 9.25	110	ES	1xT+2xJ+1xV	100	0	0		0% Polymer-Mud			... 9.00-9.21m: medium bed of spongy black pseudo-fibrous peat.		-7.51	9.25	g
				27	0	0		0% Polymer-Mud			Partial recovery (27%). Recovered as spongy black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)			(0.75)	PR/AZCL
10.00-11.50 10.10 10.10	111 5	ES ES	1xT+2xJ+1xV 1xT+1xJ+1xV	100	0	0		0% Polymer-Mud			Spongy to firm black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)		-8.26	10.00	
11.10	112	ES	1xT+2xJ+1xV	100	0	0		0% Polymer-Mud					-9	(2.00)	
11.50-13.00											... 11.42-11.50m: thin bed of black plastic amorphous peat.		-10		
12.00	113	ES	1xT+2xJ+1xV	50	0	0		0% Polymer-Mud			... 11.87-11.99m: reddish brown wood debris.		-10.35	12.09	12
											Grey fine to coarse SAND with occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-10.49	12.23	
13.00-13.75 13.00	114	ES	1xT+2xJ+1xV										-11	(0.77)	AZCL
13.20	6	ES	1xT+1xJ+1xV	80	0	0		0% Polymer-Mud			Grey fine to coarse SAND with occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) Description on next sheet		-11.26	13.00	13
														(0.75)	

Boring Progress and Water Observations

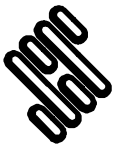
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
29/09/19	09:00	27.25	13.75	200	0.80
29/09/19	16:00	36.25	13.75	200	-
30/09/19	08:00	36.25	13.75	200	-
01/10/19	08:20	36.25	13.75	200	0.80
01/10/19	18:00	45.25	37.50	200	-
02/10/19	08:45	45.25	37.50	200	1.25
02/10/19	18:00	47.30	37.50	200	-
08/10/19	08:40	47.30	45.00	200	1.25

General Remarks

All dimensions in metres Scale: **1:**

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.1.12	Drilled By: Adrian Hopwood	Logged By: EHarman	C [Redacted]	B [Redacted]
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GINT LIBRARY_V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:44 | ST9 |



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318		Start: 14.09.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 4 of 48
End: 22.10.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
13.75-14.50				80	0	0					13.25-13.28m: rounded coarse gravel sized quartzite. 13.34-13.35m: thick laminae of greyish brown clay. 13.57-13.59m: very thin bed of greyish brown clay. 13.60-13.75m: Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		12.93	13.75	
14.50-15.25				0	0	0		80% Water (Grey)						(1.50)	AZCL
15.25-16.00				0	0	0		80% Water (Grey)			Partial recovery (31%). Recovered as grey fine to coarse SAND with occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-13	15	
16.00-16.75				31	0	0		80% Water (Grey)					-13.51	15.25	(0.75) PR / AZCL
16.75-17.50				0	0	0		80% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-14	16	(0.75) AZCL
16.75-17.17	1	C		56	0	0		80% Water (Grey)			Not logged zone with sampling. Geotechnical sample (C1). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-14.26	16.00	(0.42) NLZS
17.50-18.25				20	0	0		80% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-15.04	16.75	(0.33) AZCL
											Minimal recovery (20%). Recovered as grey fine to medium SAND. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-15.43	17.17	(0.75) MR / AZCL
													-15.76	17.50	(0.75)

Boring Progress and Water Observations

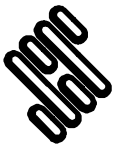
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
08/10/19	18:00	50.30	45.00	200	-
09/10/19	08:25	50.30	45.00	200	1.15
09/10/19	17:17	53.40	45.00	200	1.70
10/10/19	08:30	53.40	45.00	200	-
10/10/19		54.90	45.00	200	-
11/10/19	08:45	54.90	45.00	200	0.95
11/10/19	15:35	68.20	45.00	200	0.30
12/10/19	08:35	68.20	45.00	200	0.00

General Remarks

All dimensions in metres		Scale:
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GINT LIBRARY_V8_07_GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1004, Web: www.structuralsols.co.uk, Email: ask@structuralsols.co.uk | 16/07/20 - 09:44 | ST9 |

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.1.12	Drilled By: Adrian Hopwood	Logged By: EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 5 of 48	

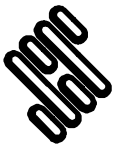
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
18.25-19.00	2	C		20	0	0		80% Water (Grey)			Not logged zone with sampling. Geotechnical sample (C2). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		16.51	18.25	MR / AZCL	
18.25-18.74																
				65	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
19.00-20.50	3	C						80% Water (Grey)			Not logged zone with sampling. Geotechnical sample (C3). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)					
19.00-19.98																
				65	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
20.50-22.00	4	C						80% Water (Grey)			Not logged zone with sampling. Geotechnical sample (C4). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)					
20.50-21.06																
				37	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
22.00-22.75	5	C						80% Water (Grey)			Not logged zone with sampling. Geotechnical sample (C5). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)					
22.00-22.75																
				100	0	0										

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
12/10/19	15:45	70.80	45.00	200	0.00
13/10/19	08:30	70.80	45.00	200	0.00
13/10/19	15:40	84.30	45.00	200	0.50
14/10/19	08:30	84.30	45.00	200	0.00
14/10/19	17:00	100.50	45.00	200	0.85
15/10/19	08:04	100.50	45.00	200	0.00
15/10/19	17:00	100.50	45.00	200	0.00
16/10/19	08:30	77.50	45.00	200	2.80

All dimensions in metres		Scale:
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.1.12	Drilled By: Adrian Hopwood	Logged By: EHarman
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GINT LIBRARY V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 16/07/20 - 09:44 | ST9 | Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 6 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
22.75-23.50 22.75-23.46	6	C		100	0	0					Not logged zone with sampling. Geotechnical sample (C6). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-21.91	22.75	NLZS
				95	0	0		80% Water (Grey)						23 (0.75)	NLZS
23.50-24.25 23.50-24.25	7	C		100	0	0					... 23.45-23.50m: Assumed zone of core loss. Not logged zone with sampling. Geotechnical sample (C7). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-21.76	23.50	NLZS
				100	0	0		80% Polymer-Mud (Grey)					-22	(0.75)	NLZS
24.25-25.75 24.25-25.16	8	C		61	0	0					Not logged zone with sampling. Geotechnical sample (C8). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-22.51	24.25	NLZS
								80% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.91)	NLZS
													-23	25	AZCL
25.75-27.25 25.75-25.85	3	D									Grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells and locally calcareous cemented. Slight organic odour. (RED CRAG FORMATION (UNDIFFERENTIATED))		-24.01	25.75	
26.00	115	ES	1xT+2xJ+1xV											(0.50)	
26.25-27.25	9	C		100	0	0					Not logged zone with sampling. Geotechnical sample (C9). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-24.51	26.25	NLZS
								80% Polymer-Mud (Grey)						26	
														(1.00)	

Boring Progress and Water Observations

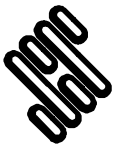
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
16/10/19	17:35		3.00	200	0.00
17/10/19	08:30	3.00	3.00	200	0.35
22/10/19	08:00		None	N/R	Dry

General Remarks

All dimensions in metres		Scale: 1:
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.1.12	Drilled By: Adrian Hopwood	Logged By: EHarman	C [Redacted] B [Redacted]
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GINT LIBRARY V8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8.07.
 Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:44 | ST9 |



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 8 of 48	

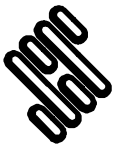
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
				78	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		29.68	31.42	AZCL
31.75-33.25 31.75-31.85	7	D									Grey silty fine to coarse SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		30.93	31.75	
32.25-33.25	13	C		100	0	0		80% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C13). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		30.61	32.35	
33.25-34.75 33.25-33.35	8	D									Grey silty fine to coarse SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		31.51	33.25	
33.75-34.75	14	C		100	0	0		80% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C14). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		32.91	33.75	
34.75-36.25 34.75-34.85	9	D									Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		33.91	34.75	
34.95-35.95	15	C		80	0	0		80% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C15). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		33.21	34.95	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:2**

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.1.12	Drilled By: Adrian Hopwood	Logged By: EHarman	Ch By: [REDACTED]
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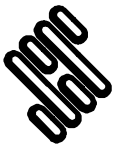
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 9 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
				80	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		34.21	35.95	NZ
36.25-37.75 36.25-36.35	10	D									Grey locally coarse fine to medium SAND with calcareous cement and occasional to frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		34.51	36.25	AZCL
36.75-37.75	16	C		100	0	0		50% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C16). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		35.04	36.75	NLZS
37.75-39.25 37.75-37.85	11	D									Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		36.04	37.75	AZCL
38.25-39.25	17	C		100	0	0		80% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C17). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		36.51	38.25	NLZS
39.25-40.75 39.25-39.35	12	D									Grey locally coarse fine to medium SAND with calcareous cement and occasional to frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		37.51	39.25	AZCL
39.75-40.75	18	C		100	0	0		80% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C18). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		38.04	39.75	NLZS

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale:
Plant Used: Hand tools + Massenza M.1.12		Drilled By: Adrian Hopwood		Logged By: EHarman		

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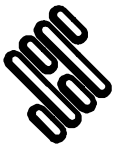


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 10 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
40.75-42.25	13	D		100	0	0		80% Polymer-Mud (Grey)			Grey fine to coarse SAND with coarse sand to medium gravel sized comminuted shells. Slight organic odour. (RED CRAG FORMATION (UNDIFFERENTIATED))		39.93	40.75	NLZS
40.75-40.85														(0.50)	
41.25-42.25	19	C		100	0	0					... 41.13-41.17m: weak brownish grey coarse gravel sized claystone. ... 41.13-41.20m: silty.		39.51	41.25	
42.08	118	ES	1xT+1xJ+1xV								... 42.08-42.25m: pockets of black organic material up to 8 x 43mm.		40	42	NLZS
42.25-43.75	14	D						80% Polymer-Mud (Grey)			Grey fine to medium locally fine to coarse SAND with coarse sand sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		40.51	42.25	
42.25-42.35														(0.50)	
42.50	116	ES	1xT+2xJ+1xV								Not logged zone with sampling. Geotechnical sample (C20). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		41.01	42.75	
42.75-43.75	20	C		100	0	0		80% Polymer-Mud (Grey)			Grey fine to coarse SAND with coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		42.01	43.75	NLZS
43.75-45.25														(1.00)	
43.75-43.85	15	D									Not logged zone with sampling. Geotechnical sample (C21). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		42.51	44.25	
44.25-44.90	21	C		100	0	0		80% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C21). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		43	43	NLZS
44.25-44.90														(0.65)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used: Hand tools + Massenza M.1.12		Drilled By: Adrian Hopwood		Logged By: EHarman		

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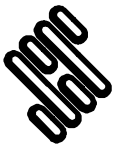
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 11 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
45.00-45.10	16	D		100	0	0					Grey fine to medium locally fine to coarse SAND with coarse sand sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		43.26	45.00	
45.25-46.30											Very stiff extremely closely to very closely fissured locally thinly laminated dark brown glauconitic micaceous silty CLAY with medium spaced very thin to thin beds of very stiff to very weak dark grey volcaniclastic silt/clay/siltstone/claystone. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)			(0.93)	
45.50	117	ES	1xT+2xJ+1xV					80% Polymer-Mud (Grey)			... 45.23m: pyrite nodule. ... 45.25-45.40m: very sandy greyish brown CLAY with coarse sand to medium gravel sized comminuted shells. Sand is fine to coarse. Probably caved material.			-44	
45.75-45.85	17	D		65	0	0					... 45.44-45.47m: coarse gravel sized strong dark grey argillaceous LIMESTONE (Harwich Stone Band?). ... 45.67-45.75m: sandy with coarse sand to medium gravel sized comminuted shells. Sand is fine to coarse. (Possibly due to drilling disturbance?). ... 45.75-45.93m: disturbed by drilling. ... 45.80-45.83m: possible very thin bed of very stiff dark grey volcaniclastic silt.		44.19	45.93	
46.30-47.30											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			-46	
46.55	8	ES	1xT+1xJ+1xV	100	0	0		80% Polymer-Mud (Grey)			Very stiff extremely closely to very closely fissured locally thinly laminated dark brown glauconitic micaceous silty CLAY with medium spaced very thin to thin beds of very stiff to very weak dark grey volcaniclastic silt/clay/siltstone/claystone. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)			(0.37)	AZCL
46.90-47.00	18	D									... 46.30-46.41m: very sandy greyish brown CLAY with coarse sand to medium gravel sized comminuted shells. Sand is fine to coarse. Probably caved material.			-46	
47.00-47.30	22	C						80% Water (Grey)			... 46.48-46.51m: very stiff dark grey volcaniclastic silt. ... 46.57-46.70m: very stiff to very weak dark grey volcaniclastic silt/siltstone. ... 46.79-46.89m: very stiff dark grey volcaniclastic siltstone/claystone locally bioturbated. Burrows are subhorizontal up to <1 x 2mm filled with brown silt. ... 47.30-47.49m: Assumed zone of core loss. ... 47.49-48.44m: disturbed/caved material due to T6H run and permeability tests. Recovered as grey clay fine to medium SAND.			47	
47.30-48.80				87	0	0					... 46.87-48.61m: Very strong grey argillaceous LIMESTONE (120mm) over very strong argillaceous dark bluish grey LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)			(2.31)	
48.45-48.55	19	D									Minimal recovery (9%). Recovered as very strong grey argillaceous LIMESTONE (120mm) over very strong argillaceous dark bluish grey LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)			-46	
48.80-50.30				9	0	0		80% Water (Grey)					47.06	48.80	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
						All dimensions in metres
Method Used:	Trial Pit/trench + Rotary Cored		Plant Used:	Hand tools + Massenza M.1.12		Drilled By: Adrian Hopwood
						Logged By: EHarman

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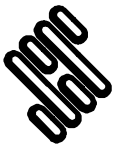
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318		Start: 14.09.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 12 of 48
End: 22.10.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
50.30-51.80	20	D		9	0	0		80% Water (Grey)			Very stiff extremely closely to very closely fissured locally thinly laminated dark brown glauconitic micaceous silty CLAY with closely to medium spaced thick laminae to thin beds of very stiff dark grey volcanioclastic silt. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)		-48	(1.50)	MR / AZCL
50.30-50.40															
50.50-50.93	23	C													
51.30-51.50	21	D		100	0	0		80% Water (Grey)			... 50.98-51.08m: very weak dark grey volcanioclastic siltstone. ... 51.22-51.23m: very stiff bioturbated dark grey volcanioclastic silt. Burrows are sub horizontal up to <1 x 2mm unfilled with light grey silt. ... 51.35-51.36m: very stiff dark grey volcanioclastic silt.		-49	(1.50)	
51.80-53.40											... 51.65-51.68m: possible stiff dark grey volcanioclastic silt.		-50		
52.03-52.13	22	D									Partial recovery (41%). Recovered as very stiff extremely closely to very closely fissured locally thinly laminated dark brown glauconitic micaceous silty CLAY with closely to medium spaced thick laminae to thin beds of very stiff dark grey volcanioclastic silt. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)		-51	(1.60)	PR / AZCL
52.13-52.42	24	C		41	0	0		80% Water (Grey)							
53.40-54.90															
53.40-53.60	23	D		100	0	0		80% Water (Grey)			Very stiff extremely closely fissured locally thinly laminated dark brown glauconitic micaceous silty CLAY. (HARWICH FORMATION, ORWELL MEMBER)		-52	(0.85)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres
Plant Used: Hand tools + Massenza M.1.12						
Drilled By: Adrian Hopwood			Logged By: EHarman			Scale: 1:25
Chec By: [Redacted]						

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BOREHOLE LOG

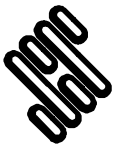
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 13 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
54.40-54.60	24	D		100	0	0		80% Water (Grey)			Very stiff extremely closely to very closely fissured locally thinly laminated dark brown slightly sandy glauconitic micaceous CLAY. Sand is fine. Fissures are randomly orientated planar smooth or rough striated or matt or polished. (HARWICH FORMATION, ORWELL MEMBER) ... 54.28-54.36m: fissure: 73° planar smooth striated. ... 54.59-54.60m: possible stiff dark grey volcaniclastic silt. ... 54.90-55.81m: disturbed/caved material due to T6H run and permeability tests. Recovered as grey clayey gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of siltstone.		54.25		
54.90-56.20															
55.81-56.11	25	C		100	0	0		80% Polymer-Mud (Grey)					(2.91)		
56.20-57.70 56.20-56.86	26	C													
56.86-57.16 56.90-57.00	27 25	C D		100	0	0		80% Polymer-Mud (Grey)							
57.44-57.70	28	C									Very stiff dark brown slightly sandy glauconitic micaceous SILT with very closely spaced partings of light grey sand. Sand is fine. (HARWICH FORMATION, ORWELL MEMBER) ... 57.33-57.34m: black lignitic debris. ... 57.80-57.82m: rounded medium gravel sized flint.				
57.70-59.20 57.70-57.80	26	D													
58.03-58.29	29	C		100	0	0		80% Polymer-Mud (Grey)							
58.29-58.62	30	C													

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres
Plant Used: Hand tools + Massenza M.1.12						
Drilled By: Adrian Hopwood			Logged By: EHarman			Scale: 1:25
Checked By: [Redacted]						

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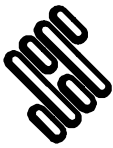
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 14 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend								
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)																
58.70-58.80	27	D		100	0	0		80% Polymer-Mud (Grey)	80% Polymer-Mud (Grey)		<p>... 59.20m: becoming relatively sandier.</p>		-57	58	x								
58.84-59.14	31	C																					
59.20-60.70																							
59.70-59.80	28	D																					
59.86-60.18	32	C		100	0	0																	
60.18-60.56	33	C																					
60.70-62.20	29	D																					
60.70-60.80	34	C																					
60.80-61.16																							
61.20-61.30	30	D		100	0	0																	
61.20-62.20	31	D																					
62.20-63.70																							
62.60-63.11	35	C		61	0	0		80% Polymer-Mud (Grey)															

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used: Hand tools + Massenza M.I.12		Drilled By: Adrian Hopwood		Logged By: EHarman		
Check By: [Redacted]						

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 15 of 48	

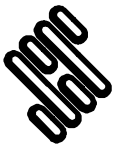
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
63.70-65.20 63.70-63.90	32	D		61	0	0		80% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-61.37	63.11	63 63
64.20-65.20	36	C		100	0	0		80% Polymer-Mud (Grey)			Brown very silty fine to medium SAND. (READING FORMATION)		-61.96	63.70	64 64
65.20-66.70											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-63.46	65.20	65 65
66.00-66.10	33	D		71	0	0		80% Polymer-Mud (Grey)			Brown very silty fine to medium SAND. (READING FORMATION) 66.00-66.14m: mottled black with organic material. 66.00-66.39m: clayey. 66.09-66.32m: frequent lenses of light brown calcrite (up to 111 x 23mm). 66.35-66.39m: mottled black with organic material.		-63.90	65.64	66 66
66.70-68.20 66.70-67.21	37	C									Firm locally thinly laminated light greyish brown and grey mottled sandy clayey SILT with frequent lenses of clay (up to 3 x 23mm). (READING FORMATION) Very stiff dark brown mottled back and brown CLAY with occasional lenses of light brown calcrite (up to 4 x 6mm). (READING FORMATION)		-64.96	66.70	67 67
67.21-67.71	38	C		95	0	0		80% Polymer-Mud (Grey)					-65		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:2**

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.I.12	Drilled By: Adrian Hopwood	Logged By: EHarman	Che By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 16 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
67.71-67.81	34	D		95	0	0		80% Polymer-Mud (Grey)			... 67.71-67.95m: slightly gravelly. Gravel is rounded fine of iron concretions.		-66	(1.50)	
68.20-69.30 68.20-68.40	35	D						80% Polymer-Mud (Grey)			... 68.12-68.20m: Assumed zone of core loss. Greyish brown clayey fine to medium SAND. (READING FORMATION) ... 68.24-68.26m: very thin bed of light greyish brown clay.		-66.46 68.20		
68.65-69.11	39	C		100	0	0		80% Polymer-Mud (Grey)			Very stiff dark brown mottled back and brown CLAY. (READING FORMATION)		-67 67.11 68.85		
69.30-70.80 69.30-69.40	36	D						80% Polymer-Mud (Grey)			Very stiff bluish grey mottled dark orange and purple and red (ferricrete) micaceous CLAY with occasional lenses of light grey sandy silt (up to 2 x 15mm). Sand is fine. (UPNOR FORMATION)		-67.48 69.22		
70.30-70.40	37	D		100	0	0		80% Polymer-Mud (Grey)			... 70.32-70.48m: extremely to very closely fissured. Fissures are subvertical and subhorizontal planar rough matt or polished.		-68 71.63		
70.80-72.30											Very stiff extremely closely to closely fissured thinly laminated dark grey glauconitic slightly micaceous CLAY. Fissures are randomly orientated planar smooth matt or polished or striated (mostly polished). (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-69 69.11 70.85		
71.30-71.40	38	D		100	0	0		80% Polymer-Mud (Grey)					-70	(1.05)	
71.41-71.66	40	C											-70		
71.66-71.90	41	C											-70 70.16 71.90		

Boring Progress and Water Observations

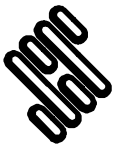
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres		Scale: 1:
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.1.12	Drilled By: Adrian Hopwood	Logged By: EHarman	Checked By: [Redacted]
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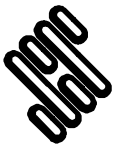
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 17 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
72.30-73.80 72.30-72.40	39	D		100	0	0					Very stiff extremely closely to closely fissured thinly laminated dark brownish grey locally spotted dark green bioturbated slightly micaceous CLAY with occasional lenses of silty fine sand sized dark green glauconite. Fissures are randomly orientated planar smooth matt or polished or striated (mostly polished). Burrows are subhorizontal up to 1 x 9mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) . . . 73.74-73.75m: lens of silty fine to medium glauconitic sand up to 10 x 27mm.				
72.96-73.37	42	C		100	0	0		80% Polymer-Mud (Grey)							
73.33-73.43	40	D													
73.80-75.30 73.94-74.42	43	C													
74.50-74.95	44	C		100	0	0		80% Polymer-Mud (Grey)							
75.00-75.10	41	D													
75.30-76.80															
75.55-75.65 75.65-75.90	42 45	D C													
75.90-76.29	46	C		100	0	0		80% Polymer-Mud (Grey)							
76.29-76.68	47	C													

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres
Plant Used:		Hand tools + Massenza M.1.12		Drilled By: Adrian Hopwood	Logged By: EHarman	Scale: 1:25 Chec By: [Redacted]

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 18 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
76.80-78.30 76.80-77.13	48	C		100	0	0					Very stiff extremely closely to closely fissured locally thinly laminated dark brownish grey locally spotted dark green bioturbated slightly micaceous silty CLAY with occasional lenses of silty fine sand sized dark green glauconite. Fissures are randomly orientated planar smooth matt or polished or striated (mostly polished). Burrows are randomly orientated (mostly subhorizontal) up to 2 x 13mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-74.94	76.68		
77.20-77.30	43	D		100	0	0		80% Polymer-Mud (Grey)						-75	77	
77.85-78.15	49	C		100	0	0								-76	78	
78.20-78.30 78.30-79.80	44	D		100	0	0								(3.74)		
78.51-78.85	50	C		100	0	0								-77		
78.85-79.27	51	C		100	0	0		80% Polymer-Mud (Grey)						79		
79.27-79.60	52	C		100	0	0								-78		
79.60-79.70	45	D		100	0	0								80		
79.80-81.30	53	C		100	0	0		80% Polymer-Mud (Grey)						-78.68	80.42	
80.15-80.42	54	C		100	0	0								-79		
80.42-80.71 80.71-80.81	46	D									Very stiff extremely to closely fissured locally thinly laminated reddish brown locally spotted black bioturbated very micaceous glauconitic silty CLAY. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are randomly orientated up to 1 x 4mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER,					

Boring Progress and Water Observations

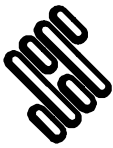
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres		Scale: 1:2
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.1.12	Drilled By: Adrian Hopwood	Logged By: EHarman	Checked By: [Redacted]
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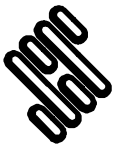
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 19 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
81.00-81.32	55	C		100	0	0					OC2)			(1.28)	
81.30-82.80 81.30-81.40	47	D		39	0	0		80% Polymer-Mud (Grey)			Dark green very clayey glauconitic subangular to rounded fine to coarse GRAVEL of flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1) Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-79.89 -80 -80.14	81.63 81.88	
82.80-84.30				100	81	66		80% Polymer-Mud (Grey)			Very weak medium density closely jointed (NI/125/250) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° closely spaced (90/188/270) undulating or stepped rough clean or with occasional black specks, unstained, no infill. Gently inclined joints: 15-30° medium spaced (175/377/720) undulating or stepped rough clean or with occasional black specks, unstained, no infill. Steeply inclined: 62° undulating rough with occasional black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A3) ... 82.80-82.90m: non-intact. ... 82.88-82.90m: flint band. Fine gravel size fragment of nodular flint with a thin cortex. ... 83.27m: echinoid fragment (up to 2 x 15 x 70mm) ... 83.28m: shell fragment with phosphatic veneer. ... 83.51m: belemnite fragment (6 x 45mm). ... 83.53m: belemnite fragment (9 x 11mm). ... 83.61-83.62m: medium gravel sized brown phosphatic clast. ... 83.74-83.77m: non-intact. ... 83.92-83.99m: non-intact. ... 84.00-84.30m: frequent shell fragments with phosphatic veneer including echinoid and inoceramid bivalve (up to 2 x 15 x 20mm).		-81.06 -82	82.80 83	
84.30-85.80				100	77	65		80% Polymer-Mud (Grey)			Strong very high density closely jointed (80/132/210) locally green glauconite mineralized CHALK hard ground. Bedding fractures: 2-4° closely spaced (80/132/210) undulating or planar rough clean or with occasional black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER: CATTON SPONGE Grade A3) ... 84.71-84.86m: non-intact. ... 84.94m: echinoid shell fragment. Very weak medium density medium jointed (NI/243/650) white burrow mottled light grey CHALK		-82.56 -83 -83.22	84.30 84.96	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + Massenza M.1.12		Drilled By: Adrian Hopwood	Logged By: EHarman	

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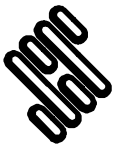
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 20 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
85.80-87.30				100	77	65					with rare black specks. Bedding fractures: 2-10° medium spaced (NI/348/1050) undulating or planar rough clean or with occasional black specks, unstained, no infill. Gently inclined joints: 12-25° widely spaced (215/1393/2175) undulating rough clean or with occasional black specks, unstained, no infill. Inclined joints: 42-50° widely spaced (10/1394/4215) undulating or planar rough clean or with occasional black specks, unstained, no infill. Steeply inclined joints: 79° undulating rough with occasional black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2) ... 85.18-85.27m: non-intact. ... 85.35-85.41m: non-intact. ... 85.85-85.99m: non-intact. ... 85.99-86.26m: frequent shell fragments including echinoid. ... 86.30-86.56m: non-intact. ... 86.36-86.44m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 86.66-86.70m: black-stained sponged bed.		-84	86		
87.30-88.80				100	77	65		60% Polymer-Mud (Grey)			... 87.32m: shell fragment. ... 87.38-88.54m: non-intact. ... 87.54-87.56m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.		-85	87 (4.31)		
88.80-90.30				100	91	89		60% Polymer-Mud (Grey)			... 88.14-88.30m: black-stained sponge bed.		-86	88		
				100	81	71		60% Polymer-Mud (Grey)			... 88.80-88.90m: non-intact. ... 88.80-88.80m: flint band. Fine gravel size fragments of nodular flint with thin to thick cortexes. ... 88.80-88.94m: fragment of echinoid. ... 89.00-89.11m: non-intact.		-87	89		
											Very weak medium density medium jointed (NI/243/650) white burrow mottled light grey CHALK with rare black specks and frequent shell fragments. Bedding fractures: 2-10° medium spaced (NI/348/1050) undulating or planar rough clean or with occasional black specks, unstained, no infill. Gently inclined joints: 12-25° widely spaced (215/1393/2175) undulating rough clean or with occasional black specks, unstained, no infill. Inclined joints: 42-50°		-87.53 -87.96	89.27 89.70	(0.43)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: 1:2
Plant Used:		Hand tools + Massenza M.1.12		Drilled By: Adrian Hopwood	Logged By: EHarman	
Ch By: [Redacted]						

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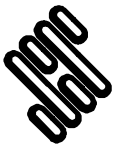
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 21 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
90.30-91.80				100	81	71					widely spaced (10/1394/4215) undulating or planar rough clean or with occasional black specks, unstained, no infill. Steeply inclined joints: 79° undulating rough with occasional black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2) ... 89.37-89.50m: black-stained sponge bed.	37-40		90	
				100	91	88		60% Polymer-Mud (Grey)			Very weak medium density medium jointed (NI/243/650) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced (NI/348/1050) undulating or planar rough clean or with occasional black specks, unstained, no infill. Gently inclined joints: 12-25° widely spaced (215/1393/2175) undulating rough clean or with occasional black specks, unstained, no infill. Inclined joints: 42-50° widely spaced (10/1394/4215) undulating or planar rough clean or with occasional black specks, unstained, no infill. Steeply inclined joints: 79° undulating rough with occasional black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A2) ... 90.02-90.04m: black-stained sponge bed. ... 90.60m: black-stained bed. ... 90.70-90.86m: non-intact. ... 90.70-90.93m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 91.80-91.89m: non-intact.	38-41	(2.21)	91	
91.80-93.30				87	47	37		60% Polymer-Mud (Grey)			Weak to strong high to very high density locally green glauconite mineralized CHALK hard ground with occasional fragments of belemnite up to (12 x 38mm). (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A1)	42-44		92 (0.34)	
				100	73	63		60% Polymer-Mud (Grey)			Very weak medium density closely jointed (NI/193/830) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (30/243/830) planar or undulating or stepped rough clean or with occasional black specks, unstained, no infill. Gently inclined joints: 12-30° widely spaced (500/1377/2090) planar or undulating rough clean or with occasional black specks, unstained, no infill. Inclined joints: 58° undulating rough with occasional black specks, unstained, no infill. Steeply inclined joints: 78-79° very widely spaced (600/2770/6690) planar rough clean. Subvertical joints: 82° planar rough clean. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A3) ... 92.25-92.34m: non-intact. ... 92.25-92.58m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 92.68m: black-stained sponge bed. ... 92.95m: echinoid fragment. ... 92.99-93.10m: black-stained sponge bed. ... 93.10-93.30m: Assumed zone of core loss. ... 93.30-93.57m: thinned by drilling. ... 93.53-93.55m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 93.60-93.75m: non-intact. ... 93.91-94.01m: black-stained sponge beds.	45-54	-91	93	
93.30-94.80															

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used: Hand tools + Massenza M.1.12			Drilled By: Adrian Hopwood		Logged By: EHarman	
Check By: [Redacted]						

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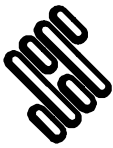
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 22 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
94.80-96.30				100	73	63					... 94.35-94.56m: frequent shell fragments. ... 94.44m: green-glaucanite mineralisation. ... 94.73-94.80m: non-intact. ... 94.94-95.01m: thinned by drilling. ... 95.01-95.11m: non-intact. ... 95.01-95.11m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 95.13-95.30m: black-stained sponge bed. ... 95.48-95.53m: non-intact. ... 95.66-95.72m: black-stained sponge beds. ... 95.78-95.90m: non-intact. ... 95.86-95.90m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 95.92-95.95m: occasional shell fragments. ... 96.25-96.30m: non-intact. ... 96.30-96.35m: non-intact. ... 96.47-96.53m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 96.47-96.91m: non-intact (putified). ... 97.15-97.63m: disturbed by drilling. ... 97.47-97.49m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 97.66-97.75m: black-stained sponge bed. ... 97.80-97.98m: non-intact. ... 97.94-97.98m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 98.18-98.20m: black-stained sponge bed. ... 98.58-98.88m: frequent black-stained sponge beds.	55			
				100	77	61		60% Polymer-Mud (Grey)					-93	95	
96.30-97.80				100	61	59		60% Polymer-Mud (Grey)							
97.80-99.00				100	80	67		60% Polymer-Mud (Grey)							

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used: Hand tools + Massenza M.1.12		Drilled By: Adrian Hopwood		Logged By: EHarman		
Checked By: [Redacted]						

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 Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:45 | ST9



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7	
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 23 of 48	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
99.00-100.50				100	80	67					<p>... 99.00-99.43m: non-intact.</p> <p>... 99.00-99.09m: flint band. Fine to medium gravel size fragments of nodular flint with a thin cortex.</p> <p>... 99.43-99.73m: disturbed by drilling (biscuiting).</p> <p>... 99.88m: black-stained sponge bed.</p> <p>... 100.02-100.22m: non-intact.</p> <p>... 100.25-100.34m: black-stained sponge bed.</p> <p>Borehole terminated at 100.50m depth.</p>	77 78		99	
				100	48	23		60% Polymer-Mud (Grey)				79 80 81 82 83 84 85 86		100	

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

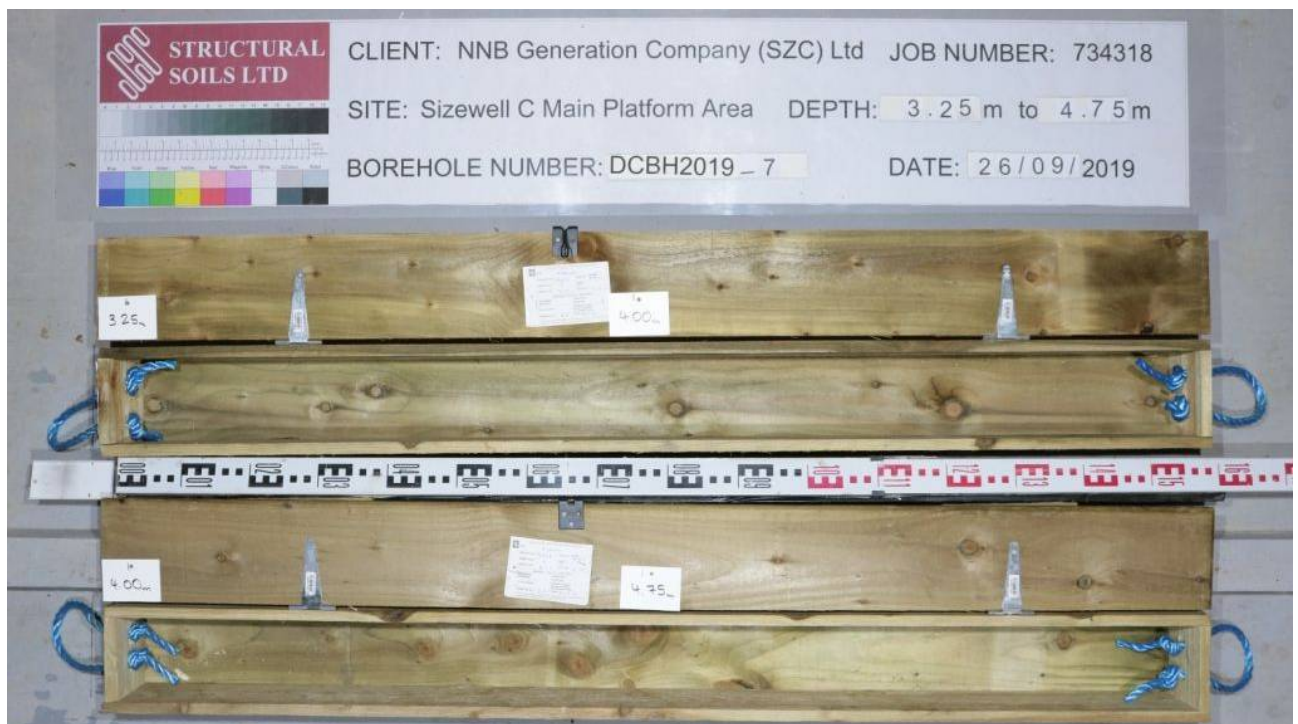
All dimensions in metres Scale: **1**

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.I.12	Drilled By: Adrian Hopwood	Logged By: EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 24 of 48

DCBH2019_7 1.80m - 3.25m depth.



DCBH2019_7 3.25m - 4.75m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.I.12	Drilled By: Adrian Hopwood	Logged By: EHarman	C B
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 25 of 48

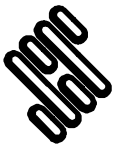
DCBH2019_7 4.75m - 6.25m depth.



DCBH2019_7 6.25m - 7.75m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman	Che By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 26 of 48

DCBH2019_7 7.75m - 9.25m depth.



DCBH2019_7 9.25m - 11.50m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman	C B
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 27 of 48

DCBH2019_7 11.50m - 13.75m depth.



DCBH2019_7 13.75m - 15.25m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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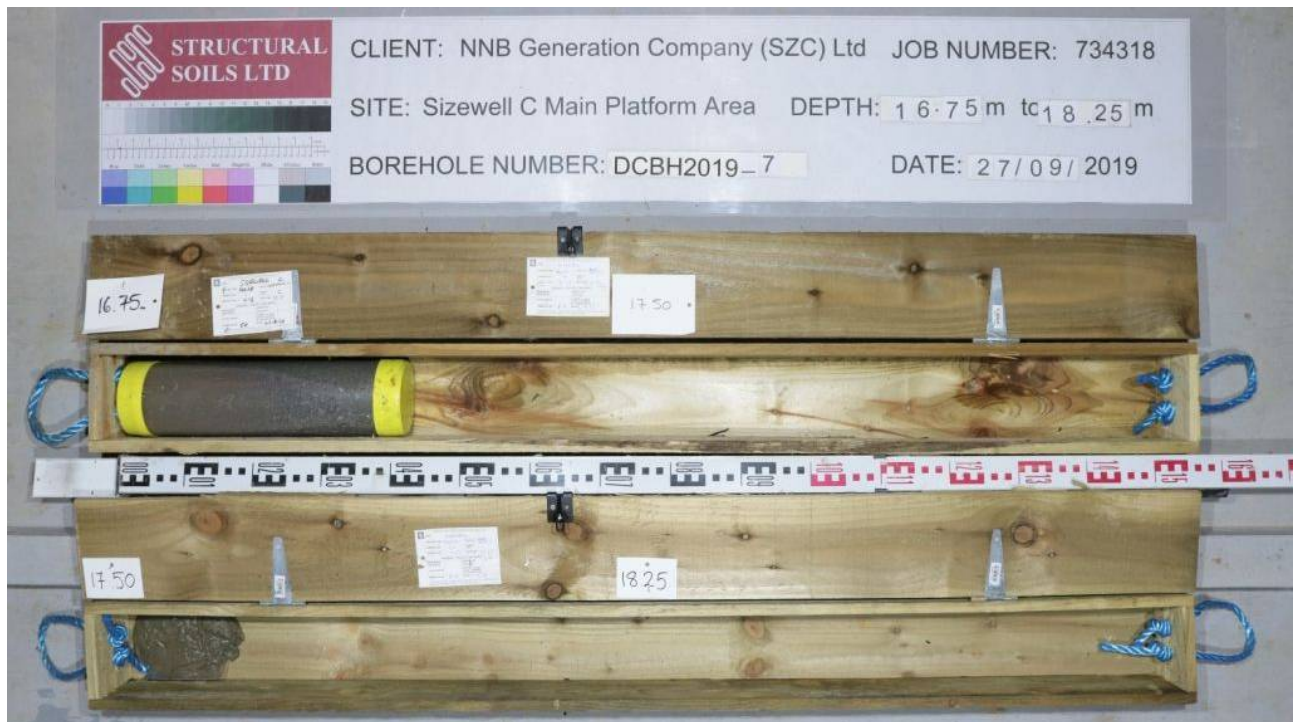


STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 28 of 48

DCBH2019_7 15.25m - 16.75m depth.



DCBH2019_7 16.75m - 18.25m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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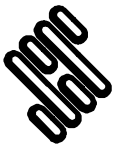
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 29 of 48

DCBH2019_7 18.25m - 20.50m depth.



DCBH2019_7 20.50m - 22.75m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 30 of 48

DCBH2019_7 22.75m - 24.25m depth.



DCBH2019_7 24.25m - 27.25m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 31 of 48

DCBH2019_7 27.25m - 30.25m depth.



DCBH2019_7 30.25m - 33.25m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 32 of 48

DCBH2019_7 33.25m - 36.25m depth.



DCBH2019_7 36.25m - 39.25m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 33 of 48

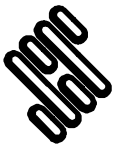
DCBH2019_7 39.25m - 42.25m depth.



DCBH2019_7 42.25m - 45.25m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:45 | ST9 |

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.I.12	Drilled By: Adrian Hopwood	Logged By: EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 34 of 48

DCBH2019_7 45.25m - 47.30m depth.



DCBH2019_7 45.25m - 47.30m depth. (Split)

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman	Che By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 35 of 48

DCBH2019_7 47.30m - 50.30m depth.



DCBH2019_7 50.30m - 53.40m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 36 of 48

DCBH2019_7 50.30m - 53.40m depth. (Split)



DCBH2019_7 53.40m - 56.20m depth.

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Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:46 | ST9

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman	Check By:	[Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

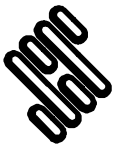
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 37 of 48

DCBH2019_7 53.40m - 56.20m depth. (Split)



DCBH2019_7 56.20m - 59.20m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 38 of 48

DCBH2019_7 56.20m - 59.20m depth. (Split)



DCBH2019_7 59.20m - 62.20m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman	C B
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 39 of 48

DCBH2019_7 62.20m - 65.20m depth.



DCBH2019_7 62.20m - 65.20m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 40 of 48

DCBH2019_7 65.20m - 68.20m depth.



DCBH2019_7 65.20m - 68.20m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 41 of 48

DCBH2019_7 68.20m 70.80m depth.



DCBH2019_7 68.20m 70.80m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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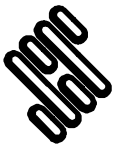
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 42 of 48

DCBH2019_7 70.80m - 73.80m depth.



DCBH2019_7 70.80m - 73.80m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 43 of 48

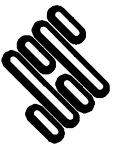
DCBH2019_7 73.80m - 76.80m depth.



DCBH2019_7 73.80m - 76.80m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman	C B
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 44 of 48

DCBH2019_7 76.80m - 79.80m depth.



DCBH2019_7 76.80m - 79.80m depth. (Split)

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 45 of 48

DCBH2019_7 79.80m - 82.80m depth.



DCBH2019_7 79.80m - 82.80m depth.

GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:46 | ST9 |

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 46 of 48

DCBH2019_7 82.80m - 85.80m depth.



DCBH2019_7 85.80m - 88.80m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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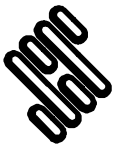
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 47 of 48

DCBH2019_7 88.80m - 91.80m depth.



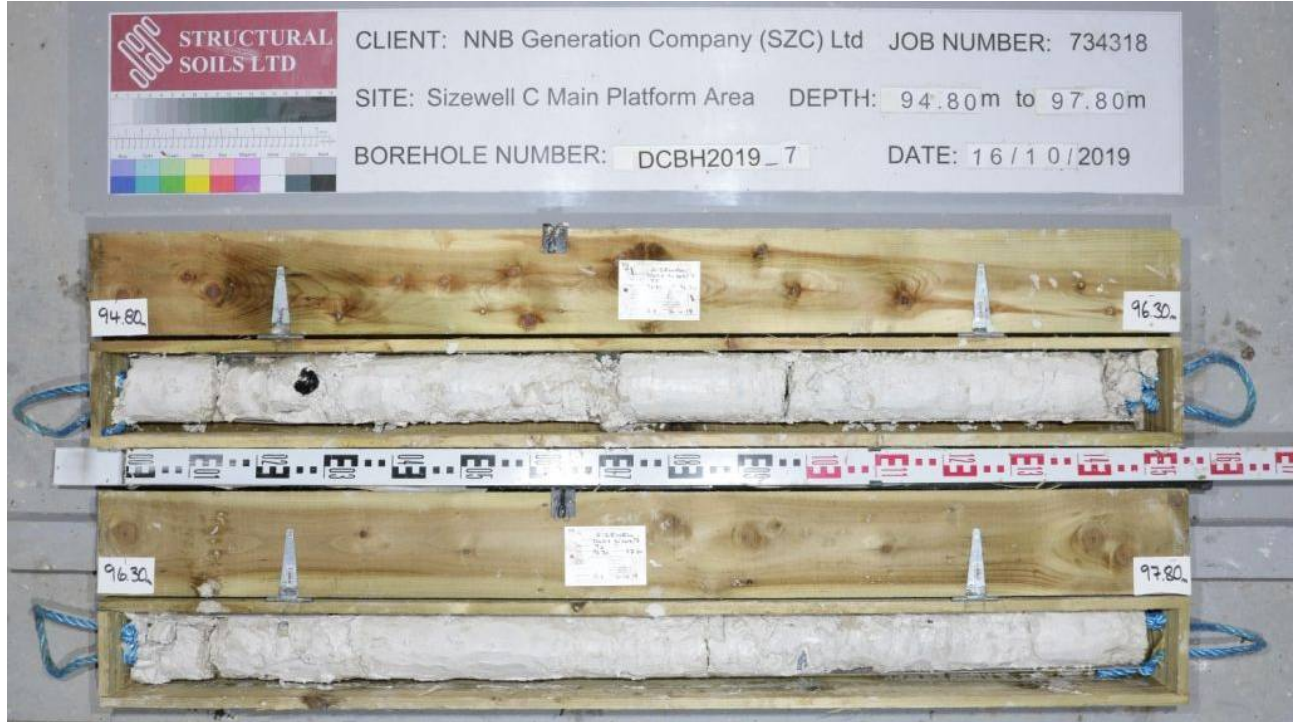
DCBH2019_7 91.80m - 94.80m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M.I.12	Drilled By:	Adrian Hopwood	Logged By:	EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_7
Contract Ref: 734318	Start: 14.09.19 End: 22.10.19	Ground Level (m AOD): 1.74	National Grid Co-ordinate: E:647392.0 N:264077.9	Sheet: 48 of 48

DCBH2019_7 94.80m - 97.80m depth.



DCBH2019_7 97.80m - 100.50m depth.

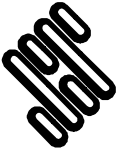
GINT LIBRARY V8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8.07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:46 | ST9

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M.I.12	Drilled By: Adrian Hopwood	Logged By: EHarman
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SUMMARY OF DISCONTINUITIES - DCBH2019_7

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	82.90-82.93	J	26	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
2	83.05	BF	2	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
3	83.29	BF	4	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
4	83.38	PFR	3	U-R	-	-	-	Clean.	BEECK	CHALK
5	83.50-83.54	J	30	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
6	83.54-83.59	J	62	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
7	83.65	BF	10	S-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
8	83.73-83.74	J	15	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
9	83.77	BF	10	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK

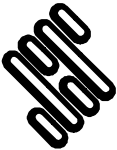
Key:
 Type codes: BF = Bedding fracture, J = Joint, PFR = Possible Fracture.
 Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

	STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By <div style="background-color: black; width: 100px; height: 20px; margin-bottom: 5px;"></div> KJOHNSTONE	Date 15.05.20	Contract Ref: 734318
	Contract: <div style="background-color: black; width: 100px; height: 20px; display: inline-block;"></div>		Page: 1 of 8	
	Sizewell C Onshore GI Phase 2 2019			

SUMMARY OF DISCONTINUITIES - DCBH2019_7

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
10	83.90-83.92	J	15	S-R	-	-	-	Clean.	BEECK	CHALK
11	83.99	BF	10	S-R	-	-	-	Clean.	BEECK	CHALK
12	84.14	BF	8	U-R	-	-	-	Clean.	BEECK	CHALK
13	84.38	BF	4	U-R	-	-	-	Clean.	WBCK_CS	CHALK
14	84.50	BF	3	U-R	-	-	-	Clean.	WBCK_CS	CHALK
15	84.71	BF	2	U-R	-	-	-	Occasional black specks,	WBCK_CS	CHALK
								unstained, no infill.		
16	84.86	BF	2	P-R	-	-	-	Occasional black specks,	WBCK_CS	CHALK
								unstained, no infill.		
17	85.14-85.18	J	42	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
18	85.16-85.18	J	50	P-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		
19	85.41	BF	4	U-R	-	-	-	Occasional black specks,	WBCK	CHALK
								unstained, no infill.		

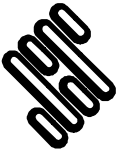
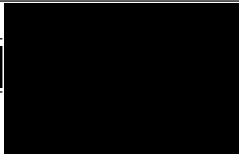
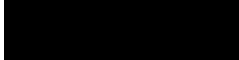

Key:
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 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:	
	Contract [REDACTED]		KJOHNSTONE	15.05.20	734318
Sizewell C Onshore GI Phase 2 2019				Page: 2 of 8	

SUMMARY OF DISCONTINUITIES - DCBH2019_7

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
20	85.62	BF	10	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
21	85.85	BF	2	P-R	-	-	-	Clean.	WBCK	CHALK
22	85.85	BF	3	U-R	-	-	-	Clean.	WBCK	CHALK
23	85.99	BF	8	U-R	-	-	-	Clean.	WBCK	CHALK
24	85.99-86.04	J	50	U-R	-	-	-	Clean.	WBCK	CHALK
25	86.26-86.30	J	25	U-R	-	-	-	Clean.	WBCK	CHALK
26	86.74	BF	7	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
27	87.13-87.30	J	79	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
28	87.16	BF	2	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
29	87.57-87.58	J	12	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
30	87.87	BF	2	P-R	-	-	-	Clean.	WBCK	CHALK

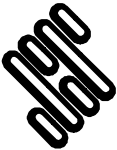
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 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:	
	 KJOHNSTONE		15.05.20	734318	
Contract: 			Sizewell C Onshore GI Phase 2 2019		Page: 3 of 8 

SUMMARY OF DISCONTINUITIES - DCBH2019_7

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
31	87.94	BF	6	P-R	-	-	-	Clean.	WBCK	CHALK
32	88.28	BF	3	U-R	-	-	-	Clean.	WBCK	CHALK
33	88.61	BF	4	P-R	-	-	-	Clean.	WBCK	CHALK
34	89.11	BF	2	P-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
35	89.25	BF	4	P-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
36	89.74-89.76	J	18	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
37	89.95-89.98	J	20	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
38	90.21-90.25	J	42	U-R	-	-	-	Clean.	WBCK	CHALK
39	90.30	BF	10	U-R	-	-	-	Clean.	WBCK	CHALK
40	90.36	BF	10	U-R	-	-	-	Clean.	WBCK	CHALK
41	91.01	BF	8	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK

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 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>		Compiled By	KJOHNSTONE	Date	15.05.20	Contract Ref:	734318
		Co	Well C Onshore GI Phase 2 2019			Page:	4 of 8

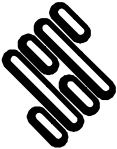
SUMMARY OF DISCONTINUITIES - DCBH2019_7

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
42	91.42	BF	6	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
43	91.47	BF	5	U-R	-	-	-	Clean.	WBCK	CHALK
44	91.91	BF	2	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
45	92.75	BF	4	U-R	-	-	-	Clean.	PWBCK	CHALK
46	92.87-92.92	J	30	U-R	-	-	-	Occasional black specks, unstained, no infill.	PWBCK	CHALK
47	93.01	BF	7	U-R	-	-	-	Clean.	PWBCK	CHALK
48	93.17-93.20	J	58	U-R	-	-	-	Occasional black specks, unstained, no infill.	PWBCK	CHALK
49	93.35	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK
50	93.55	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
51	93.60	BF	10	U-R	-	-	-	Clean.	PWBCK	CHALK
52	93.75	BF	9	U-R	-	-	-	Clean.	PWBCK	CHALK
53	93.88-93.90	BF	10	S-R	-	-	-	Clean.	PWBCK	CHALK

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 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Contracted By		Date	Contract Ref:	
	[REDACTED]		15.05.20	734318	
	Contract: [REDACTED]		Sizewell C Onshore GI Phase 2 2019		Page: 5 of 8 [REDACTED]

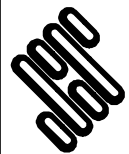
SUMMARY OF DISCONTINUITIES - DCBH2019_7

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
54	94.12	BF	2	P-R	-	-	-	Occasional black specks, unstained, no infill.	PWBCK	CHALK
55	94.39	BF	7	U-R	-	-	-	Clean.	PWBCK	CHALK
56	94.73	BF	6	U-R	-	-	-	Clean.	PWBCK	CHALK
57	94.92-94.94	J	16	U-R	-	-	-	Clean.	PWBCK	CHALK
58	95.01	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK
59	95.39	BF	8	P-R	-	-	-	Clean.	PWBCK	CHALK
60	95.53	BF	2	U-R	-	-	-	Clean.	PWBCK	CHALK
61	95.78	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
62	96.00	BF	2	U-R	-	-	-	Clean.	PWBCK	CHALK
63	96.17-96.18	J	15	U-R	-	-	-	Occasional black specks, unstained, no infill.	PWBCK	CHALK
64	96.25	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
65	96.35	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK
66	96.35-96.45	J	82	P-R	-	-	-	Clean.	PWBCK	CHALK
67	96.41	BF	10	U-R	-	-	-	Clean.	PWBCK	CHALK

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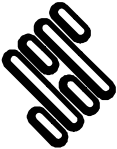
STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Contract: [REDACTED]	Compiled By	Date	Contract Ref:
	KJOHNSTONE	15.05.20	734318
Sizewell C Onshore GI Phase 2 2019			Page: 6 of 8 [REDACTED]

SUMMARY OF DISCONTINUITIES - DCBH2019_7

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
68	97.03	BF	8	U-R	-	-	-	Occasional black specks, unstained, no infill.	PWBCK	CHALK
69	97.15	BF	8	U-R	-	-	-	Occasional black specks, unstained, no infill.	PWBCK	CHALK
70	97.63	BF	10	U-R	-	-	-	Clean.	PWBCK	CHALK
71	97.98	BF	3	U-R	-	-	-	Clean.	PWBCK	CHALK
72	98.03	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK
73	98.12	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
74	98.26-98.27	J	12	P-R	-	-	-	Clean.	PWBCK	CHALK
75	98.37-98.38	BF	10	P-R	-	-	-	Clean.	PWBCK	CHALK
76	98.66	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
77	98.88-99.00	J	79	P-R	-	-	-	Clean.	PWBCK	CHALK
78	98.95	BF	1	P-R	-	-	-	Clean.	PWBCK	CHALK
79	99.78	BF	2	U-R	-	-	-	Clean.	PWBCK	CHALK
80	99.81	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK
81	99.90	BF	7	U-R	-	-	-	Clean.	PWBCK	CHALK

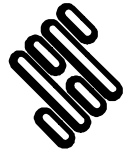
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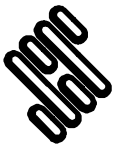
 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Contract [REDACTED]		Compiled By KJOHNSTONE	Date 15.05.20	Contract Ref: 734318
	Sizewell C Onshore GI Phase 2 2019			Page: 7 of 8	

SUMMARY OF DISCONTINUITIES - DCBH2019_7

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
82	99.90-100.02	J	78	P-R	-	-	-	Clean.	PWBCK	CHALK
83	99.94	BF	6	U-R	-	-	-	Clean.	PWBCK	CHALK
84	100.00-100.02	J	22	U-R	-	-	-	Clean.	PWBCK	CHALK
85	100.30	BF	6	U-R	-	-	-	Clean.	PWBCK	CHALK
86	100.39	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK

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	STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB		Compiled By KJOHNSTONE	Date 15.05.20	Contract Ref: 734318	
	Contract:		Sizewell C Onshore GI Phase 2 2019			Page: 8 of 8



STRUCTURAL SOILS

BOREHOLE LOG

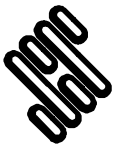
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 1 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
0.00-0.10	1	B									MADE GROUND: Grass over dark brown slightly gravelly fine to medium SAND with occasional rootlets and shell fragments. Gravel is subangular to subrounded fine of sandstone. (MADE GROUND) MADE GROUND: Dark slightly yellowish brown slightly gravelly slightly clayey fine to medium SAND with occasional rootlets. Gravel is subangular to subrounded fine of sandstone. (MADE GROUND) MADE GROUND: Dark slightly yellowish brown slightly clayey fine to medium SAND with occasional shell fragments. (MADE GROUND) MADE GROUND: Dark slightly yellowish brown slightly silty slightly clayey fine SAND with occasional shell fragments. (MADE GROUND) MADE GROUND: Dark brown slightly gravelly slightly clayey fine SAND with shell fragments. (MADE GROUND)		1.42	0.10		
0.05	2	D														
0.10	100	ES												1.27	0.25	
0.10-0.25	3	B														
0.10	WAC1	ES														
0.20	101	ES														
0.20	4	D														
0.20	WAC2	ES														
0.25-0.42	5	B														
0.30	102	ES														
0.30	WAC3	ES														
0.40	6	D														
0.42-0.95	7	B														
0.80	103	ES														
0.80	WAC4	ES														
0.90	8	D														
0.95-1.20	9	B														
1.00	104	ES														
1.00	WAC5	ES														
1.10	10	D														
1.20-2.00																
1.50	1	D														
1.80	6	ES	1xT+1xJ+1xV													
2.00-2.75																
2.00	105	ES	1xT+2xJ+1xV													
2.00-2.75																
2.75-3.50																
3.00	106	ES	1xT+2xJ+1xV													
3.00-3.50																
3.50-4.25																
4.00	107	ES	1xT+2xJ+1xV													
4.25-5.00																

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
22/10/19	07:30	0.00	None	N/R	-
22/10/19	17:30	0.00	None	N/R	-
23/10/19	07:30	0.00	None	N/R	-
23/10/19		1.20	None	203	-
23/10/19		1.20	None	203	-
23/10/19	17:15	12.50	12.50	203	1.75
24/10/19	08:30	12.50	12.50	203	0.60
24/10/19	17:30	15.50	None	203	-

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-I-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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GINT LIBRARY V8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 2 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
4.40	2	D		96	0	0		100% Polymer-Mud (Brown)			... 4.40-4.64m: frequent pockets of black organic material (up to 40 x 100mm). ... 4.60-4.69m: occasional subangular fine to coarse gravel of flint.		-3		
5.00-5.75	108	ES	1xT+2xJ+1xV	100	0	0		100% Polymer-Mud (Brown)			... 4.96-5.00m: Assumed zone of core loss.		5		
5.75-6.50								100% Polymer-Mud (Brown)			... 5.37-5.43m: frequent pockets of black organic material (up to 5 x 32mm). ... 5.70-5.75m: occasional subangular fine to coarse gravel of flint.		-4		
6.00	3	D		100	0	0		100% Polymer-Mud (Grey)			Very soft bluish grey speckled black CLAY with numerous plant remains and medium spaced thin beds of black spongy pseudo-fibrous peat. (SUPERFICIAL DEPOSITS - CLAY)		-4.42	5.94	6
6.20	109	ES	1xT+2xJ+1xV					100% Polymer-Mud (Grey)							
6.30	7	ES	1xT+1xJ+1xV					100% Polymer-Mud (Grey)							
6.50-8.00								100% Polymer-Mud (Grey)			... 6.50-6.68m: caved material recovered as orangish brown gravelly fine to medium SAND with pockets of peat.		-5		7
7.20	110	ES	1xT+2xJ+1xV	85	0	0		100% Polymer-Mud (Grey)					-6		
								100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-6.26	7.78	
8.00-8.75								100% Polymer-Mud (Grey)			Very soft bluish grey speckled black CLAY with numerous plant remains and medium spaced thin beds of black spongy pseudo-fibrous peat. (SUPERFICIAL DEPOSITS - CLAY)		-6.48	8.00	AZCL
8.20	4	D		88	0	0		100% Polymer-Mud (Grey)			Spongy black pseudo-fibrous PEAT with occasional pockets of bluish grey clay. (SUPERFICIAL DEPOSITS - PEAT)		-6.65	8.17	
8.50	111	ES	1xT+2xJ+1xV					100% Polymer-Mud (Grey)			... 8.66-8.75m: Assumed zone of core loss.		-7		
8.75-9.50								100% Polymer-Mud (Grey)			Spongy black amorphous PEAT. (SUPERFICIAL DEPOSITS - PEAT)		-7.23	8.75	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
25/10/19	08:30	15.50	15.50	203	1.62
25/10/19	17:15	30.50	30.50	203	0.85
26/10/19	08:30	30.50	30.50	203	2.65
26/10/19	16:00	33.50	27.00	203	-
27/10/19	07:30	33.50	None	N/R	-
28/10/19	07:30	33.50	None	N/R	-
29/10/19	07:30	33.50	None	N/R	-
29/10/19	16:30	37.50	37.50	203	-

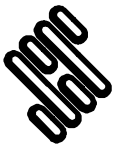
General Remarks

All dimensions in metres

Scale:

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-1-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 3 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
9.50-10.25 9.50	112	ES	1xT+2xJ+1xV	100	0	0		100% Polymer-Mud (Grey)								
9.90	5	D		83	0	0		100% Polymer-Mud (Grey)			Bluish grey slightly gravelly fine to medium SAND. Gravel is fine to coarse subangular to rounded of flint and quartzite. (SUPERFICIAL DEPOSITS - SAND) ... 10.05-10.12m: frequent coarse sand sized comminuted shells. ... 10.12-10.25m: Assumed zone of core loss.					
10.25-11.00				16	0	0		100% Polymer-Mud (Grey)			Minimal recovery (16%). Recovered as brownish grey slightly gravelly fine to medium SAND with occasional lenses of brown clay (up to 3 x 21mm) and occasional coarse sand sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))					
11.00-11.75 11.00	6	D		19	0	0		100% Polymer-Mud (Grey)			Minimal recovery (19%). Recovered as brownish grey slightly gravelly fine to medium SAND with occasional lenses of brown clay (up to 3 x 21mm) and occasional coarse sand sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))					
11.75-12.50				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
12.50-13.25 12.50	113	ES	1xT+2xJ+1xV	27	0	0		100% Polymer-Mud (Grey)			Partial recovery (27%). Recovered as brownish grey fine to medium SAND with occasional coarse sand sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))					
13.25-14.00 13.25-13.35	7	D		27	0	0		100% Polymer-Mud (Grey)			Partial recovery (27%). Recovered as brownish grey fine to medium SAND with occasional coarse sand					

Boring Progress and Water Observations

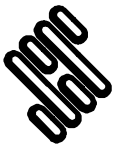
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
30/10/19	08:00	37.50	37.50	203	1.80
30/10/19	16:15	42.50	42.00	203	1.20
31/10/19	07:30	42.50	42.00	203	1.60
31/10/19	16:00	42.50	42.00	203	1.60
01/11/19	07:30	42.50	42.00	203	1.60
01/11/19	12:00	45.50	42.00	203	0.80
04/11/19	12:00	45.50	42.00	203	0.20
04/11/19	16:00	45.50	42.00	203	0.40

General Remarks

All dimensions in metres		Scale: 1:
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-16	Drilled By: David Henderson	Logged By: ADenham + EHarman	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318		Start: 22.10.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 4 of 45
		End: 26.11.19			

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
13.25	9	ES	1xT+1xJ+1xV	27	0	0		100% Polymer-Mud (Grey)			sized comminuted shells. (NORWICH CRAG (UNDIFFERENTIATED)) FORMATION		-12.48	14.00	PR / AZCL
14.00-14.75				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-13.23	14.75	AZCL
14.75-15.50				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-13.98	15.50	AZCL
15.50-16.25	1	C		93	0	0		100% Polymer-Mud (Brown)			Not logged zone with sampling. Geotechnical sample (C1). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-14.73	16.25	NLZS
16.25-17.00	2	C		92	0	0		100% Polymer-Mud (Brown)			... 16.20-16.25m: Assumed zone of core loss. Not logged zone with sampling. Geotechnical sample (C2). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-15.48	17.00	NLZS
17.00-17.75	3	C		69	0	0		100% Polymer-Mud (Brown)			... 16.94-17.00m: Assumed zone of core loss. Not logged zone with sampling. Geotechnical sample (C3). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-16.00	17.52	NLZS
17.75-18.50	4	C		100	0	0		100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-16.23	17.75	AZCL
17.75-18.50											Not logged zone with sampling. Geotechnical sample (C4). Recovered in a sealed liner.				NLZS

Boring Progress and Water Observations

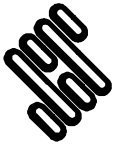
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
08/11/19	15:00	45.50	42.00	203	0.60
08/11/19	16:30	47.00	42.00	203	0.40
09/11/19	08:00	47.00	42.00	203	0.30
09/11/19	16:00	47.00	42.00	203	0.60
11/11/19	07:30	47.00	42.00	203	0.60
11/11/19	16:00	50.00	42.00	203	0.45
13/11/19	08:00	50.00	42.00	203	0.60
13/11/19	16:00	53.00	42.00	203	0.40

General Remarks

All dimensions in metres		Scale:
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-I-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 5 of 45	

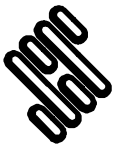
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
18.50-19.25 18.50-19.11	5	C		100	0	0		100% Polymer-Mud (Brown)			(NOT LOGGED ZONE WITH SAMPLING)		-16.98	18.50	NLZS
19.25-20.00 19.25-19.35	8	D		81	0	0		100% Polymer-Mud (Brown)			Not logged zone with sampling. Geotechnical sample (C5). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-17.73	19.25	NLZS
19.80	114	ES	1xT+2xJ+1xV	100	0	0		100% Polymer-Mud (Brown)			Dark brownish grey fine to medium SAND. Oxidises orangish brown. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 19.25-19.37m: frequent coarse sand sized comminuted shells.		-18.48	20.00	
20.00-21.50 20.00-20.93	6	C		62	0	0		100% Polymer-Mud (Brown)			Not logged zone with sampling. Geotechnical sample (C6). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-19.41	20.93	NLZS
21.50-22.25 21.50-22.25	7	C		100	0	0		100% Polymer-Mud (Brown)			Not logged zone with sampling. Geotechnical sample (C7). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-19.98	21.50	NLZS
22.25-23.00 22.25-23.00	8	C		100	0	0		100% Polymer-Mud (Brown)			Not logged zone with sampling. Geotechnical sample (C8). Recovered in a sealed liner.		-20.73	22.25	NLZS

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
14/11/19	07:30	53.00	42.00	203	0.60
14/11/19	14:30	62.00	42.00	203	1.60
15/11/19	07:30	62.00	42.00	203	0.20
15/11/19	12:00	65.00	42.00	203	2.60
18/11/19	12:00	65.00	42.00	203	0.00
18/11/19	16:30	65.00	42.00	203	0.00
19/11/19	07:30	65.00	42.00	203	0.00
19/11/19	16:30	77.00	42.00	203	0.60

All dimensions in metres		Scale:
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-1-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 6 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
23.00-23.75				100	0	0		100% Polymer-Mud (Brown)			(NOT LOGGED ZONE WITH SAMPLING)		-21.48	23.00	NLZS
				0	0	0		100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				AZCL
23.75-24.50 23.75-24.26	9	C		68	0	0		100% Polymer-Mud (Brown)			Not logged zone with sampling. Geotechnical sample (C9). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-22.23	23.75	NLZS
								100% Polymer-Mud (Brown)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-22.73	24.25	AZCL
24.50-25.25 24.50-24.60	9	D		48	0	0		100% Polymer-Mud (Grey)			Partial recovery (48%). Recovered as dark grey fine to coarse SAND with abundant coarse sand to fine gravel sized comminuted shells. Oxidises dark greyish brown. (RED CRAG FORMATION (UNDIFFERENTIATED))		-22.98	24.50	PR / AZCL
								100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-23.34	24.86	AZCL
25.25-26.00 25.25-25.85	10	C		80	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C10). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-23.73	25.25	NLZS
								100% Polymer-Mud (Grey)			... 25.85-26.00m: Assumed zone of core loss.		-24.48	26.00	
26.00-26.75 26.00-26.43	11	C		57	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C11). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-24.91	26.43	NLZS
								100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-25.23	26.75	AZCL
26.75-27.50 26.75-27.29	12	C		72	0	0					Not logged zone with sampling. Geotechnical sample (C12). Recovered in a sealed liner.				NLZS

Boring Progress and Water Observations

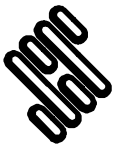
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
20/11/19	07:30	77.00	42.00	203	0.00
20/11/19	16:30	87.50	42.00	203	1.20
21/11/19	07:30	87.50	42.00	203	0.00
21/11/19	16:00	98.00	42.00	203	1.60
22/11/19	07:30	98.00	42.00	203	0.00
22/11/19	16:00	98.00	42.00	203	0.00
25/11/19	07:30	42.00	42.00	203	2.50
25/11/19	16:00	42.00	42.00	203	2.20

General Remarks

All dimensions in metres		Scale:
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-1-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 7 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
27.50-28.25 27.50-28.00	13	C		72	0	0		100% Polymer-Mud (Grey)			(NOT LOGGED ZONE WITH SAMPLING)		-25.77	27.29	NLZS
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-25.98	27.50	AZCL
											Not logged zone with sampling. Geotechnical sample (C13). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-26	(0.50)	NLZS
28.25-29.00 28.25-29.00	14	C		67	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-26.48	28.00	AZCL
											Not logged zone with sampling. Geotechnical sample (C14). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-26.73	28.25	AZCL
													-27	(0.75)	NLZS
29.00-30.50 29.00-29.10 29.00-30.00	10 15	D C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C15). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-27.48	29.00	NLZS
													-28	(1.00)	NLZS
													-28.48	30.00	NLZS
											Dark grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-28.71	30.23	AZCL
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-28.98	30.50	AZCL
30.50-31.25 30.50-31.10	16	C		80	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C16). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-29	(0.75)	NLZS
											... 31.10-31.25m: Assumed zone of core loss.		-31		NLZS
31.25-32.00 31.25-32.00	17	C		100	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample e (C17). Recovered in a sealed liner.		-29.73	31.25	NLZS

Boring Progress and Water Observations

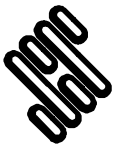
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
26/11/19	08:00	42.00	42.00	203	2.60
26/11/19	12:00		None	N/R	-

General Remarks

All dimensions in metres		Scale: 1:2
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-1-6	Drilled By: David Henderson	Logged By: ADenham + EHarman	Checked By: [Redacted]
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GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07 | Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:48 | ST9



STRUCTURAL SOILS

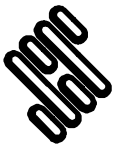
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 8 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend				
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)												
32.00-32.75	11 115	D ES	1xT+2xJ+1xV	100	0	0		100% Polymer-Mud (Grey)	100% Polymer-Mud (Grey)		(NOT LOGGED ZONE WITH SAMPLING)		-30	(0.75)	NLZS				
32.00-32.10				43	0	0		100% Polymer-Mud (Grey)			Partial recovery (43%). Recovered as dark grey fine to coarse SAND with abundant coarse sand to fine gravel sized comminuted shells. Oxidises dark greyish brown. (RED CRAG FORMATION (UNDIFFERENTIATED))	-30.48	32.00	PR / AZCL					
32.00																			
32.75-33.50	18	C		0	0	0		100% Polymer-Mud (Grey)	100% Polymer-Mud (Grey)		Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-31						
33.50-34.18				91	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C18). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)	-31.23	32.75	NLZS					
33.50-34.25																			
34.25-35.00	19	C		68	0	0		100% Polymer-Mud (Grey)	100% Polymer-Mud (Grey)		... 34.18-34.25m: Assumed zone of core loss. Not logged zone with sampling. Geotechnical sample (C19). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-32						
34.25-34.76				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-31.98	33.50	AZCL					
34.25-34.76																			
35.00-37.50				0	0	0		100% Polymer-Mud (Grey)	100% Polymer-Mud (Grey)		Assumed zone of core loss (casing sunk under self-weight). (ASSUMED ZONE OF CORE LOSS)		-33						

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres
Plant Used: Hand tools + Massenza M-1-6						
Drilled By: David Henderson			Logged By: ADenham + EHarman			Scale:

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 9 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
37.50-38.00				0	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-35.98	37.50	AZCL
38.00-38.75 38.00-38.41	20	C		0	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C20). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-36.48	38.00	NLZS
38.75-39.50 38.75-39.29	21	C		39	0	0		100% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-36.77	38.29	AZCL
39.50-40.25 39.50-40.18	22	C		72	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C21). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-37.23	38.75	NLZS
40.25-41.00 40.25-40.87	23	C		91	0	0		100% Polymer-Mud (Grey)			Not logged zone with sampling. Geotechnical sample (C22). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-37.98	39.50	NLZS
				83	0	0		100% Polymer-Mud (Grey)			... 39.31-39.50m: Assumed zone of core loss.		-38.73	40.25	NLZS
											... 40.18-40.25m: Assumed zone of core loss.				
											Not logged zone with sampling. Geotechnical sample (C23). Recovered in a sealed liner.				NLZS

Boring Progress and Water Observations

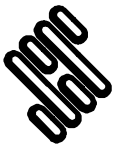
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres		Scale:
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Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-16	Drilled By: David Henderson	Logged By: ADenham + EHarman
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BOREHOLE LOG

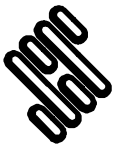
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 10 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
41.00-41.75				83	0	0		100% Polymer-Mud (Grey)			(NOT LOGGED ZONE WITH SAMPLING)		-39.48	41.00	NLZS
											... 40.87-41.00m: Assumed zone of core loss.				
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
41.75-42.50				0	0	0		100% Polymer-Mud (Grey)					-40.23	41.75	AZCL
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
42.50-44.00	12	D		0	0	0		100% Polymer-Mud (Grey)					-40.98	42.50	AZCL
											Minimal recovery (24%). Recovered as grey slightly gravelly silty fine to coarse SAND with occasional coarse sand sized comminuted shells. Gravel is subrounded to rounded fine to coarse (mostly fine to medium) of black flint. Oxidises dark greenish grey. (RED CRAG FORMATION (UNDIFFERENTIATED))				
44.00-45.50	13	D		24	0	0		90% Water (Dark Grey)					-42.48	44.00	MR / AZCL
											Partial recovery (44%). Recovered as stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic silty CLAY with medium spaced thick laminae of stiff dark grey volcanoclastic silt. Fissures are randomly orientated planar smooth matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)				
													-42.48	44.10	PR / AZCL

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale:
Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-1-6	Drilled By: David Henderson	Logged By: ADenham + EHarman			

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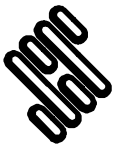
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 12 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
50.00-51.50 50.00-50.10	17	D		100	0	0		90% Water (Dark Grey)			Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic silty CLAY. with medium spaced thick laminae to thin beds of very stiff dark grey volcaniclastic silt/clay. Fissures are randomly orientated planar smooth matt or polished. (HARWICH FORMATION, WRABNESS MEMBER) ... 48.94-48.95m: very stiff dark grey volcaniclastic silt/clay. ... 49.01-49.27m: fissure: 85° planar rough matt. ... 49.22-49.28m: very stiff dark grey volcaniclastic silt/clay. ... 49.28m: lignitic debris. ... 49.68-50.00m: fissure: 75° planar smooth polished. ... 49.72-49.74m very stiff dark grey volcaniclastic silt/clay. ... 49.72-50.00m: Assumed zone of core loss. ... 49.74m: parting of disseminated pyrite. ... 49.80-50.00m: relatively less silty.		-48 (1.45)			
51.50-53.00 51.50-51.57 51.57-52.10	18 27	D C		55	0	0		90% Water (Dark Grey)			Very strong dark bluish grey argillaceous LIMESTONE with calcite veins up to 5mm thick. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND) Very stiff extremely closely to very closely fissured locally thinly laminated dark brown bioturbated micaceous glauconitic slightly sandy silty CLAY with occasional lenses of fine sand up to 3 x 8mm and with medium spaced very thin beds of very stiff dark grey volcaniclastic silt/clay. Sand is fine. Fissures are randomly orientated planar smooth matt or polished. Burrows are randomly orientated up to 1 x 3mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER) ... 50.46-50.48m: very stiff dark grey volcaniclastic silt/clay. ... 50.53-50.55m: very stiff dark grey volcaniclastic silt. ... 50.66-50.70m very stiff dark grey volcaniclastic silt. ... 50.83-51.57m: Assumed zone of core loss.		(1.19)	51		
52.10-52.42	28	C		100	0	0		90% Water (Dark Grey)			Not logged zone with sampling. Geotechnical samples (C27, C28 and C29). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		(1.26)		NLZS	
52.44-52.85	29	C											-51			
53.00-54.50 53.00-53.10	19	D		100	0	0		90% Water (Grey)			Very stiff extremely closely to very closely fissured thinly laminated dark brown bioturbated micaceous glauconitic CLAY with closely spaced partings of fine sand and rare lenses of fine sand up to 1 x 15mm. Fissures are randomly orientated planar smooth matt or polished. Burrows are randomly orientated up to <1 x 3mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER) ... 53.09m: pyrite nodule.		-52		53	
53.24-53.58	30	C														
53.58-54.09	31	C											(1.67)			

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres
Plant Used: Hand tools + Massenza M-1-6						
Drilled By: David Henderson			Logged By: ADenham + EHarman			Scale:

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 13 of 45	

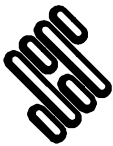
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
54.09-54.44	32	C		100	0	0		90% Water (Grey)						54		
54.50-56.00 54.50-54.82	33	C									54.47-54.49m: lens of framboidal pyrite fragments (20 x 55mm) Not logged zone with sampling. Geotechnical samples (C33, C34 and C35). Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		-52.98	54.50		
54.82-55.15	34	C												(1.08)	NLZS	
55.15-55.53	35	C		97	0	0		90% Water (Grey)						-54.01	55.53	
55.90-56.00 56.00-57.50	20	D									Very stiff extremely closely to very closely fissured locally thinly laminated dark brown bioturbated micaceous glauconitic slightly sandy clayey SILT with very closely spaced partings of black and light brown glauconitic fine sand. Sand is fine to medium. Fissures are randomly orientated planar smooth matt. Burrows are randomly orientated up to 4 x 13mm infilled with light grey fine sand. (HARWICH FORMATION, ORWELL MEMBER) Minimal recovery (7%). Recovered as black rounded coarse GRAVEL of flint. (HARWICH FORMATION, IPSWICH MEMBER)			(0.47)		
56.00-57.50				7	0	0		90% Water (Light Grey)						-54.48	56.00	
57.50-58.25											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			-55	57	
57.50-58.25				0	0	0		90% Water (Light Grey)						-55.98	57.50	
58.25-59.00											Minimal recovery (20%). Recovered as black rounded medium to coarse GRAVEL of flint.			(0.75)	58	AZCL
58.25-59.00				20	0	0								-56.73	58.25	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks	
All dimensions in metres	
Scale:	
Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-1-6
Drilled By: David Henderson	Logged By: ADenham + EHarman

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BOREHOLE LOG

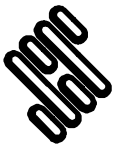
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 15 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
63.50-64.25				0	0	0		90% Water (Dark grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-61.98	63.50	AZCL
64.25-65.00				0	0	0		90% Water (Grey)					-62.73	64.25	AZCL
64.50-64.75	36A	C		100	0	0		90% Water (Grey)			Very soft dark greyish brown spotted black slightly gravelly sandy SILT with frequent lenses of black organic material (including lignitic debris; up to 3 x 7mm). Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of flint. (READING FORMATION)		-62.98	64.50	
64.90-65.00	23	D									Stiff dark brown extremely closely to very closely fissured thinly laminated CLAY with extremely closely spaced parting of light grey silt. Fissures are randomly orientated planar rough or smooth matt or polished. (READING FORMATION)		-63.48	65.00	
65.00-66.50	37	C									... 64.86-64.87m: medium gravel sized subrounded weak light brownish grey claystone. ... 64.86-64.87m: medium gravel sized subrounded weak light brownish grey claystone. Very stiff dark grey spotted black silty CLAY. (READING FORMATION)		-64.43	65.95	
66.12-66.33	38	C		96	0	0		90% Water (Dark Grey)			Very stiff bluish grey mottled dark yellow and red (ferricrete) slightly sandy micaceous SILT. Sand is fine to medium. (UPNOR FORMATION)		-64.43	65.95	
66.33-66.43	24	D											-65.00		
66.50-68.00											... 66.44-66.50m: Assumed zone of core loss. ... 66.50-66.60m: disturbed by drilling.		-65.00		
66.65-67.37	39	C		73	0	0		90% Water (Dark Grey)					-67.00		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: XXXXXXXXXX
Plant Used:		Hand tools + Massenza M-1-6		Drilled By: David Henderson	Logged By: ADenham + EHarman	

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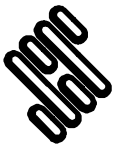
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 16 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
67.37-67.47	25	D											-66.08	67.60	x x x
				73	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.40)	AZCL
68.00-69.50											Very stiff bluish grey mottled dark yellow and red (ferricrete) slightly sandy micaceous SILT. Sand is fine to medium. (UPNOR FORMATION) ... 68.00m: mottled dark yellow (no red mottling)		-66.48	68.00	x x x
68.40-68.62	40	C												(0.82)	x x x
68.62-68.82	41	C		100	0	0		90% Water (Dark Grey)					-67	68.82	x x x
69.00-69.20	42	C									Very stiff dark greyish brown spotted dark bluish grey slightly sandy micaceous SILT. Sand is fine to medium. (UPNOR FORMATION)		-67.30	68.82	x x x
69.50-71.00	26	D									Very stiff dark brown very closely to closely fissured thinly laminated slightly bioturbated micaceous glauconitic silty CLAY. Fissures are randomly orientated planar smooth matt or polished. Burrows are randomly orientated up to <1 x 6mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) ... 69.46m: lens of light grey silt (up to 2 x 31mm).		-67.77	69.29	x x x
69.50-69.60															
69.68-70.11	43	C		100	0	0		90% Water (Dark Grey)							
70.90-71.00	27	D													
71.00-72.50	44	C		100	0	0		90% Water (Dark Grey)			... 70.57-70.77m: fissure: 88° planar smooth matt.				
71.00-71.30															
											... 71.80-71.93m: shear: 76° planar smooth striated.				

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + Massenza M-1-6		Drilled By: David Henderson	Logged By: ADenham EHarman	

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318		Start: 22.10.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 17 of 45
		End: 26.11.19			

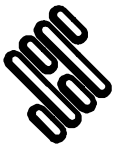
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
71.99-72.28	45	C		100	0	0										
72.33-72.43	28	D														
72.50-74.00													-71			
72.74-73.01	46	C											-71.28	72.80		
73.05-73.33	47	C		100	0	0		90% Water (Dark Grey)								
73.90-74.00	29	D														
74.00-75.50																
74.12-74.47	48	C		100	0	0		90% Water (Dark Grey)								
75.00-75.10	30	D														
75.10-75.33	49	C														
75.50-77.00																
75.86-76.22	50	C		100	0	0		90% Water (Dark Grey)								
76.22-76.32	31	D														

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Very stiff dark brown spotted dark green very closely to closely fissured thinly laminated bioturbated micaceous very glauconitic silty CLAY (relatively more silty than unit above). Fissures are randomly orientated planar smooth matt or polished. Burrows are randomly orientated up to 2 x 9mm infilled with grey silt.
 (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)

... 73.86-74.00m: fissure: 63° planar smooth matt.

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale:
Plant Used:		Hand tools + Massenza M-1-6		Drilled By: David Henderson	Logged By: ADenham EHarman	



STRUCTURAL SOILS

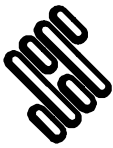
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 18 of 45	
End: 26.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
76.80-77.00	51	C		100	0	0							-75		
77.00-78.50				100	0	0		90% Water (Dark Grey)			Very stiff dark brown spotted dark green very closely to closely fissured locally thinly laminated bioturbated micaceous very glauconitic clayey SILT. Fissures are randomly orientated planar smooth matt or polished. Burrows are randomly orientated up to 1 x 8mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) ... 77.00-78.15m: relatively more silty.		-75.48	77.00	
78.40-78.50	32	D									Very stiff reddish brown very closely to closely fissured locally thinly laminated bioturbated micaceous glauconitic silty CLAY. Fissures are randomly orientated planar smooth matt or polished. Burrows are randomly orientated up to 1 x 14mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)		-76	(1.15)	
78.50-80.00				93	31	23		90% Water (Grey)			Firm dark green glauconitic gravelly CLAY. Gravel is subangular to subrounded fine to coarse of flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)		-76.63	78.15	
80.00-81.50				100	90	90		90% Water (Grey)			Very weak medium density medium jointed (NI/309/580) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 3-10° medium spaced (NI/309/580) undulating rough with rare to frequent black specks, unstained, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A2) ... 79.40-79.50m: Assumed zone of core loss. ... 79.72m: black-stained sponge bed. ... 79.75m: echinoid shell fragment. ... 80.30-80.32m: flint band. Fine gravel size fragment of nodular flint with a thin cortex. ... 80.64m: green glauconite staining.		-77.69	79.21	
													-77.77	79.29	
													-78		
													-79	(2.47)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres
Plant Used:		Hand tools + Massenza M-16		Drilled By: David Henderson	Logged By: ADenham + EHarman	
Scale:						

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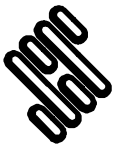
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 19 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
81.50-83.00				100	90	90		90% Water (Grey)			<p>... 80.87-80.94m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.</p> <p>... 81.26m: green glauconite staining.</p> <p>... 81.37m: echinoid shell fragment.</p> <p>... 81.50-81.76m: non-intact.</p>			81	
83.00-84.50				82	21	0		90% Water (Grey)			<p>Weak to medium strong high to very high density medium jointed (NI/246/970) white burrow mottled light grey locally green glauconite mineralized CHALK. Bedding fractures: 5-10° medium spaced (NI/344/970) undulating rough generally occasional black specks, unstained, no infill locally clean. Subvertical joints: 79-84° medium spaced (NI/580/1330) planar rough with occasional to frequent black specks, unstained, no infill. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2)</p> <p>... 82.38m: phosphatised shell fragment (3 x 10 x 6mm).</p> <p>Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)</p>			(0.97)	
84.50-86.00				100	57	35		90% Water (Grey)			<p>Weak to medium strong high to very high density medium jointed (NI/246/970) white burrow mottled light grey locally green glauconite mineralized CHALK. Bedding fractures: 5-10° medium spaced (NI/344/970) undulating rough generally occasional black specks, unstained, no infill locally clean. Subvertical joints: 79-84° medium spaced (NI/580/1330) planar rough with occasional to frequent black specks, unstained, no infill. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2)</p> <p>... 83.24-83.33m: non-intact.</p>			(0.48)	
				100	71	54		90% Water (Grey)			<p>Very weak medium density closely jointed (NI/142/875) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (NI/216/1000) planar or undulating or stepped rough generally clean locally with occasional to frequent black specks, unstained, no infill. Gently inclined joints: 12-30° widely spaced (NI/821/1875) planar or undulating or stepped rough generally clean locally with occasional black specks, unstained, no infill. Inclined joints: 31-40° very widely spaced (NI/2747/6575) undulating rough clean. Steeply inclined joints: 75-80° very widely spaced (NI/1379/3755) planar or undulating rough clean or with occasional to frequent black specks, unstained, no infill. Subvertical joints: 81-87° very widely spaced (NI/1649/4035) planar rough clean or with occasional black specks, unstained, no infill. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade A3)</p> <p>... 83.65m: black-stained sponge bed.</p> <p>... 83.77-83.89m: non-intact.</p> <p>... 84.71-85.00m: non-intact.</p>			84	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale: XXXXXXXXXX
Plant Used:		Hand tools + Massenza M-1-6		Drilled By: David Henderson	Logged By: ADenham + EHarman	

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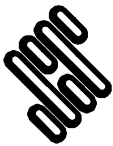


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 20 of 45	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
86.00-87.50				100	71	54		90% Water (Grey)			... 84.80-84.94m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 85.40-85.43m: non-intact. ... 85.55m: black-stained sponge bed. ... 85.90-85.93m: non-intact. ... 86.00-86.08m: non-intact.	28 29 30 31 32 33 34 35 36 37 38 39 40 41	-84	86		
87.50-89.00				100	83	75		90% Water (Light Grey)			... 86.50m: black-stained sponge bed. ... 86.72-86.78m: frequent fragments of belmenite up to 13mm in diameter. ... 87.00-87.30m: numerous shell fragments including echinoid. ... 87.43-87.50m: flint band. Medium gravel size fragment of nodular flint with a thin cortex. ... 87.50-87.61m: Assumed zone of core loss. ... 87.61-87.72m: non-intact. ... 87.82m: shell fragment.	42 43 44 45 46 47 48 49 50 51 52	-85	87 (8.21)	88	
89.00-90.50				93	75	66		90% Water (Light grey)			... 88.28m: black-stained sponge bed. ... 88.43-88.52m: frequent fine gravel size shell fragments. ... 88.74-88.76m: black-stained sponge bed. ... 89.00-89.10m: non-intact. ... 89.38-89.44m: non-intact. ... 89.65m: black-stained sponge bed.	53 54 55 56 57	-86	89		
				95	66	57		90% Water (Light grey)					-87			

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Rotary Cored						All dimensions in metres Scale:
Plant Used:		Hand tools + Massenza M-1-6		Drilled By: David Henderson	Logged By: ADenham + EHarman	

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8	
Contract Ref: 734318		Start: 22.10.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 21 of 45
End: 26.11.19					

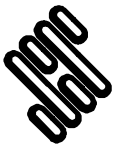
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
90.50-92.00				95	66	57					... 89.95-90.10m: numerous black-stained sponge beds.			90	
											... 90.37-90.43m: non-intact.				
											... 90.60-90.62m: black-stained sponge bed.				
											... 90.71-90.83m: non-intact.				
											... 91.04m: black-stained sponge bed.			91	
				88	66	55				90% Water (Light grey)	... 91.26-91.41m: frequent black-stained sponge beds.				
											... 91.34-91.42m: frequent shell fragments.				
											... 91.54m: black-stained sponge bed.				
											... 91.55m: echinoid shell fragment.			90.17	91.69
92.00-93.50											Very weak to medium strong medium to very high density white burrow mottled light grey locally green glauconite mineralized CHALK. Recovered non-intact. Bedding fracture: 8° undulating rough clean. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A2)			90.38	91.90
											... 91.72-91.90m: Assumed zone of core loss.				
											Very weak medium density closely jointed (NI/178/480) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-9° medium spaced (NI/229/480) planar or undulating rough generally clean locally with occasional black specks, unstained, no infill. Gently inclined joint: 18° planar rough clean. Subvertical joint: 81° planar rough clean. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A3)				
				97	89	87				90% Water (Light grey)	... 92.24-92.37m: frequent shell fragments.				
											... 92.58m: green glauconite staining				
											... 93.10m: black-stained sponge bed.				
93.50-95.00											... 92.44-92.46m: non-intact.			91.98	93.50
											... 93.46-93.50.: Assumed zone of core loss				
				0	0	0				90% Water (Light grey)	Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: XXXXXXXXXX

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-1-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019			Client: NNB Generation Company (SZC) Ltd			Borehole: DCBH2019_8		
Contract Ref: 734318		Start: 22.10.19	Ground Level (m AOD): 1.52		National Grid Co-ordinate: E:647064.8 N:264069.8		Sheet: 22 of 45	
End: 26.11.19								

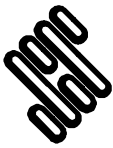
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
95.00-96.50				0	0	0							-93	(3.00)		
				0	0	0		90% Water (Light grey)					-94		AZCL	
				100	79	74		90% Water (Light grey)					-95			
96.50-98.00											Very weak medium density medium jointed (NI/300/670) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-8° medium spaced (NI/300/670) planar rough clean. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A2) . . . 96.50-96.63m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 96.50-96.78m: non-intact. . . . 96.94-96.98m: black-stained sponge bed. . . . 97.15-97.17m: black-stained sponge bed. . . . 97.63m: black-stained sponge bed.		-96			
											Borehole terminated at 98.00m depth.		-96.48	98.00		

Boring Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth		

All dimensions in metres Scale:

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-1-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 23 of 45

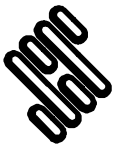
DCBH2019_8 1.20m - 2.75m depth.



DCBH2019_8 2.75m - 4.25m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 24 of 45

DCBH2019_8 4.25m - 5.75m depth.



DCBH2019_8 5.75m - 8.00m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 25 of 45

DCBH2019_8 8.00m - 9.50m depth.



DCBH2019_8 9.50m - 11.00m depth.

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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 26 of 45

DCBH2019_8 11.00m - 12.50m depth.



DCBH2019_8 12.50m - 14.00m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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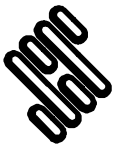
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 27 of 45

DCBH2019_8 14.00m - 15.50m depth.



DCBH2019_8 15.50m - 17.00m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 28 of 45

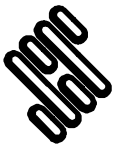
DCBH2019_8 17.00m - 18.50m depth.



DCBH2019_8 18.50m-20.00m depth.

GINT LIBRARY v8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8.07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:49 | ST9 |

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-16	Drilled By:	David Henderson	Logged By:	ADenham + EHarman	Ch By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 29 of 45

DCBH2019_8 20.00m-22.25m depth.



DCBH2019_8 22.25m-23.75m depth.

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham EHarman
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GINT LIBRARY V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:49 | ST9 |



Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 30 of 45

DCBH2019_8 23.75m-25.25m depth.



DCBH2019_8 25.25m-26.75m depth.

GINT LIBRARY v8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8.07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:49 | ST9 |

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-16	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 31 of 45

DCBH2019_8 26.75m-28.25m depth.



DCBH2019_8 28.25m-30.50m depth.

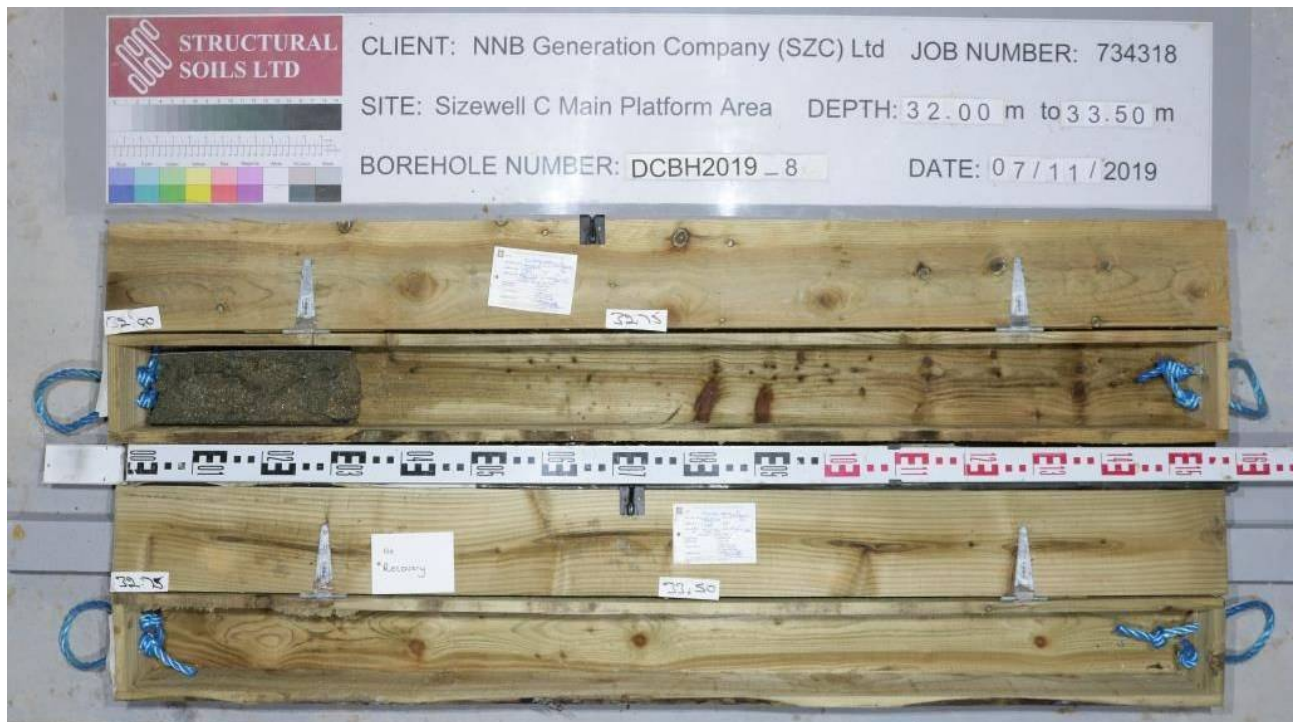
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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 32 of 45

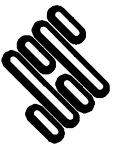
DCBH2019_8 30.50m-32.00m depth.



DCBH2019_8 32.00m-33.50m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 33 of 45

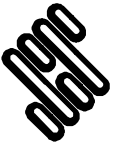
DCBH2019_8 33.50m-35.00m depth.



DCBH2019_8 35.00m-38.00m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-16	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 34 of 45

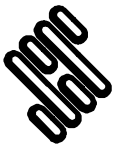
DCBH2019_8 38.00m-39.50m depth.



DCBH2019_8 39.50m-41.00m depth.

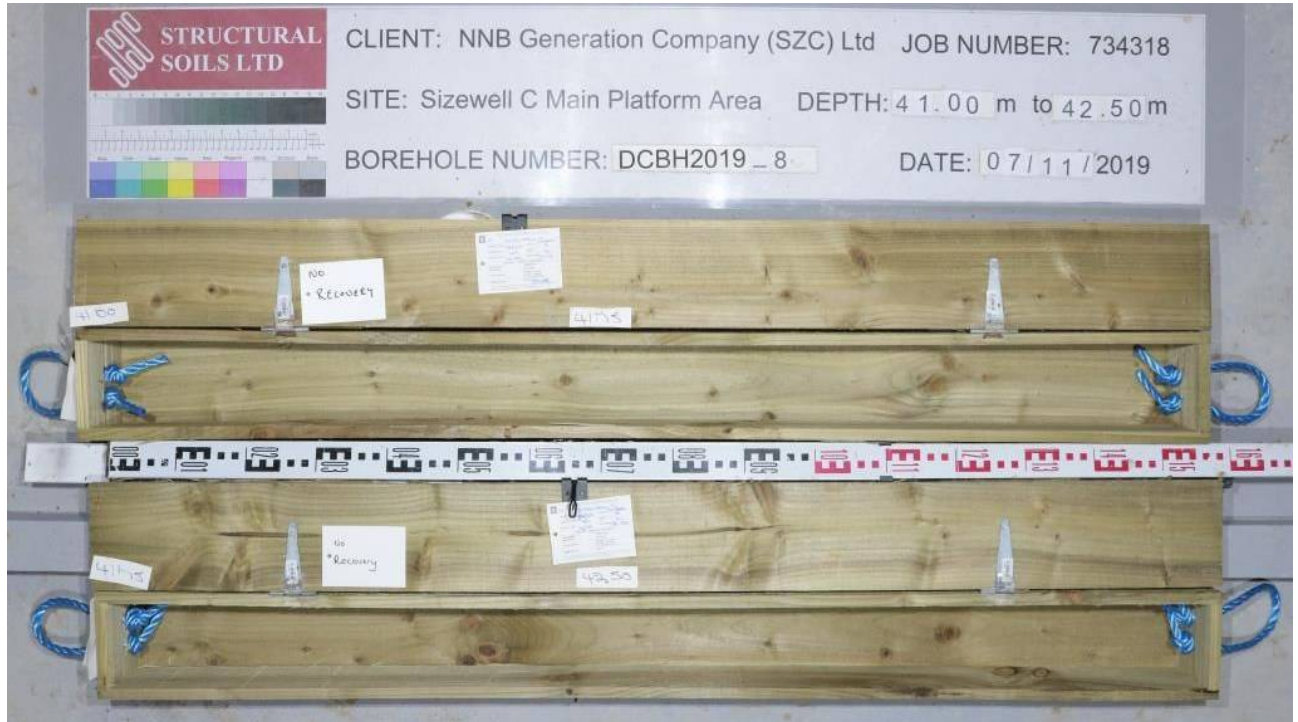
Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-16	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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GINT LIBRARY_V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:49 | ST9 |



Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 35 of 45

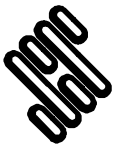
DCBH2019_8 41.00m-42.50m depth.



DCBH2019_8 42.50m-45.50m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:49 | ST9 |

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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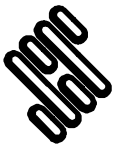
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 36 of 45

DCBH2019_8 45.50m-48.50m depth.



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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham EHarman
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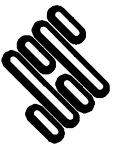


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 37 of 45

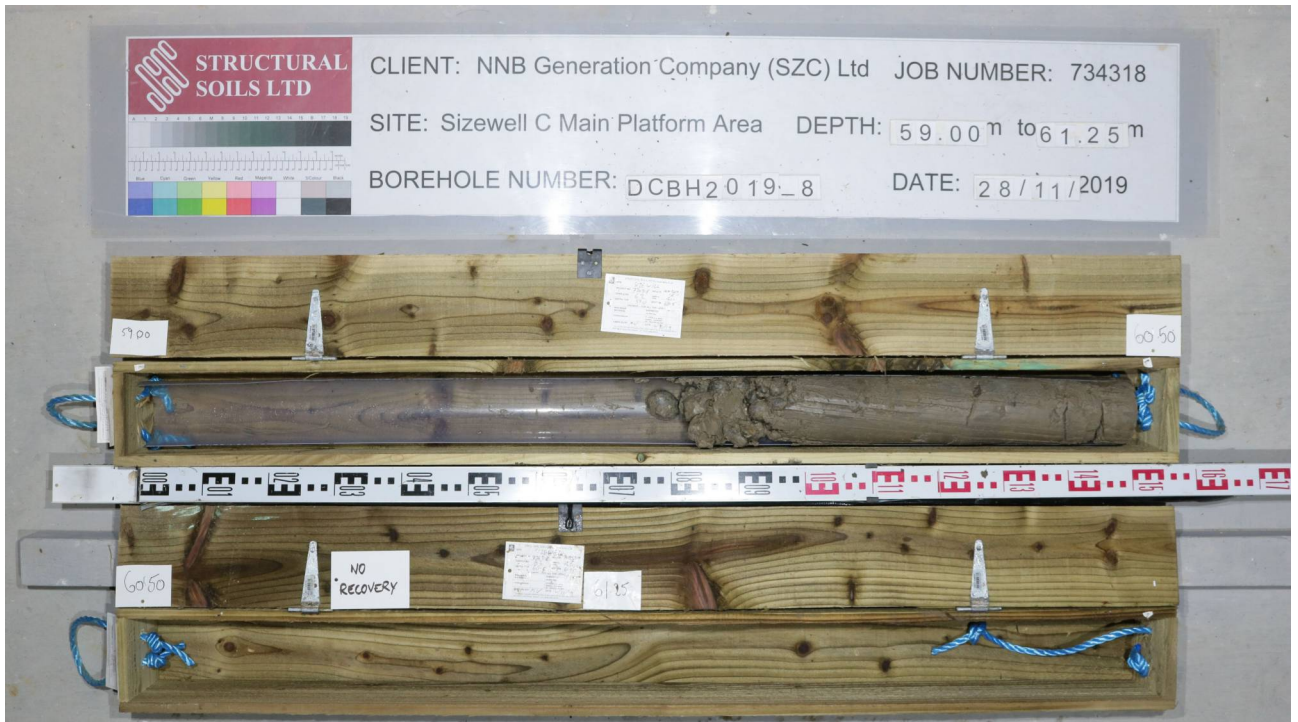


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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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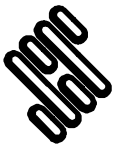


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 38 of 45



GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
 Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:51 | ST9

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-I-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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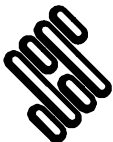


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 39 of 45



GINT LIBRARY V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:52 | ST9 |

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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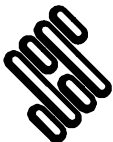


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 40 of 45



GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:53 | ST9 |

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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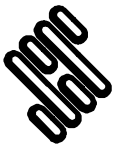


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 41 of 45



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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 42 of 45



GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:54 | ST9 |

Method Used: Trial Pit/trench + Rotary Cored	Plant Used: Hand tools + Massenza M-I-6	Drilled By: David Henderson	Logged By: ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 43 of 45



GINT LIBRARY_V8_07.GLB LibVersion: v8_07_01 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 44 of 45



GINT LIBRARY_V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:55 | ST9

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham EHarma
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: DCBH2019_8
Contract Ref: 734318	Start: 22.10.19 End: 26.11.19	Ground Level (m AOD): 1.52	National Grid Co-ordinate: E:647064.8 N:264069.8	Sheet: 45 of 45



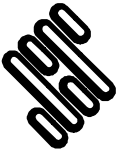
GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 09:56 | ST9

Method Used:	Trial Pit/trench + Rotary Cored	Plant Used:	Hand tools + Massenza M-I-6	Drilled By:	David Henderson	Logged By:	ADenham + EHarman
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SUMMARY OF DISCONTINUITIES - DCBH2019_8

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	79.41-79.46	J	30	P-R	-	-	-	Frequent black specks, unstained, no infill.	BEECK	CHALK
2	79.70	BF	8	U-R	-	-	-	Frequent black specks, unstained, no infill.	BEECK	CHALK
3	79.80	BF	7	U-R	-	-	-	Frequent black specks, unstained, no infill.	BEECK	CHALK
4	80.18	BF	3	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
5	80.76	BF	8	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
6	80.87	BF	10	U-R	-	-	-	Frequent black specks, unstained, no infill.	BEECK	CHALK
7	80.94	BF	4	U-R	-	-	-	Rare black specks, unstained, no infill.	BEECK	CHALK
8	81.37	BF	7	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK

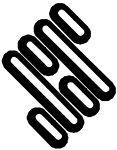
Key:
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 Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By	Date	Contract Ref:
	Contr [REDACTED] Sizewell C Onshore GI Phase 2 2019	KJOHNSTONE	15.05.20
			Page: 1 of 7 [REDACTED]

SUMMARY OF DISCONTINUITIES - DCBH2019_8

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
9	82.06-82.12	J	79	P-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
10	82.12	BF	9	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
11	82.14	BF	9	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
12	83.11	BF	10	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
13	83.33-83.48	J	84	P-R	-	-	-	Frequent black specks, unstained, no infill.	PCF	CHALK
14	83.48	BF	5	U-R	-	-	-	Clean	PCF	CHALK
15	83.57-83.59	J	20	P-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
16	83.72	BF	5	P-R	-	-	-	Clean	WBCK	CHALK
17	83.72-83.77	J	81	P-R	-	-	-	Frequent black specks, unstained, no infill.	WBCK	CHALK

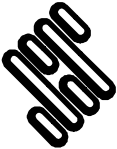
Key:
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 Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

	STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By <div style="background-color: black; width: 100px; height: 20px; margin-bottom: 5px;"></div> KJOHNSTONE	Date 15.05.20	Contract Ref: 734318	
	Contract: <div style="background-color: black; width: 100px; height: 20px; display: inline-block;"></div>		Sizewell C Onshore GI Phase 2 2019		Page: 2 of 7
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SUMMARY OF DISCONTINUITIES - DCBH2019_8

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
18	83.89-84.02	J	78	P-R	-	-	-	Frequent black specks, unstained, no infill.	WBCK	CHALK
19	83.95	BF	5	P-R	-	-	-	Frequent black specks, unstained, no infill.	WBCK	CHALK
20	84.16	BF	2	P-R	-	-	-	Clean.	WBCK	CHALK
21	84.30-84.34	J	22	P-R	-	-	-	Clean.	WBCK	CHALK
22	84.33-84.40	J	83	P-R	-	-	-	Clean.	WBCK	CHALK
23	84.40	BF	3	P-R	-	-	-	Clean.	WBCK	CHALK
24	84.63	BF	2	P-R	-	-	-	Clean	WBCK	CHALK
25	84.63-84.71	J	75	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
26	85.00-85.03	J	30	P-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
27	85.21	BF	3	P-R	-	-	-	Clean	WBCK	CHALK
28	85.40	BF	4	P-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK

Key:
 Type codes: BF = Bedding fracture, J = Joint.
 Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:	
	[REDACTED]		15.05.20	734318	
	Contract Ref: [REDACTED]		Sizewell C Onshore GI Phase 2 2019		

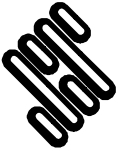
SUMMARY OF DISCONTINUITIES - DCBH2019_8

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
29	85.43	BF	5	U-R	-	-	-	Clean	WBCK	CHALK
30	85.53-85.54	J	18	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
31	85.65	BF	4	P-R	-	-	-	Clean	WBCK	CHALK
32	85.75	BF	3	U-R	-	-	-	Clean	WBCK	CHALK
33	85.90	BF	7	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
34	85.93	BF	8	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
35	86.08	BF	9	U-R	-	-	-	Clean	WBCK	CHALK
36	86.18	BF	3	S-R	-	-	-	Clean	WBCK	CHALK
37	86.19	BF	2	U-R	-	-	-	Clean	WBCK	CHALK
38	86.21	BF	2	U-R	-	-	-	Clean	WBCK	CHALK
39	86.32	BF	10	U-R	-	-	-	Clean	WBCK	CHALK
40	86.32-86.43	J	78	P-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK

Key:

Type codes: BF = Bedding fracture, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref: 734318
	[REDACTED]		15.05.20	
	Contract [REDACTED] Sizewell C Onshore GI Phase 2 2019			Page: 4 of 7

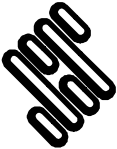
SUMMARY OF DISCONTINUITIES - DCBH2019_8

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
41	86.43	BF	1	P-R	-	-	-	Clean	WBCK	CHALK
42	86.72	BF	5	U-R	-	-	-	Occasional black specks, unstained, no infill.	WBCK	CHALK
43	86.84-86.85	J	12	U-R	-	-	-	Clean	WBCK	CHALK
44	87.72	BF	8	U-R	-	-	-	Clean	WBCK	CHALK
45	87.88	BF	2	U-R	-	-	-	Clean	WBCK	CHALK
46	88.06	BF	3	U-R	-	-	-	Clean	WBCK	CHALK
47	88.17	BF	4	U-R	-	-	-	Clean	WBCK	CHALK
48	88.39-88.41	J	87	P-R	-	-	-	Clean	WBCK	CHALK
49	88.41	BF	6	P-R	-	-	-	Clean	WBCK	CHALK
50	88.58	BF	2	P-R	-	-	-	Clean	WBCK	CHALK
51	88.71-88.73	J	18	S-R	-	-	-	Clean	WBCK	CHALK
52	88.92	BF	10	S-R	-	-	-	Clean	WBCK	CHALK
53	89.16	BF	4	U-R	-	-	-	Clean	WBCK	CHALK
54	89.38	BF	2	U-R	-	-	-	Clean	WBCK	CHALK
55	89.44	BF	8	U-R	-	-	-	Clean	WBCK	CHALK

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 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:	
	[REDACTED]		15.05.20	734318	
	Contra [REDACTED]		Sizewell C Onshore GI Phase 2 2019		

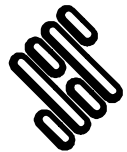
SUMMARY OF DISCONTINUITIES - DCBH2019_8

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
56	89.56	BF	3	U-R	-	-	-	Clean	WBCK	CHALK
57	89.71	BF	10	U-R	-	-	-	Clean	WBCK	CHALK
58	89.89-89.92	J	13	S-R	-	-	-	Clean	WBCK	CHALK
59	90.03-90.08	J	31	U-R	-	-	-	Clean	WBCK	CHALK
60	90.08-90.18	J	80	U-R	-	-	-	Clean	WBCK	CHALK
61	90.18-90.24	BF	40	U-R	-	-	-	Clean	WBCK	CHALK
62	90.24-90.37	J	79	U-R	-	-	-	Clean	WBCK	CHALK
63	90.37	BF	3	U-R	-	-	-	Clean	WBCK	CHALK
64	90.43	BF	5	U-R	-	-	-	Clean	WBCK	CHALK
65	90.50-90.57	J	81	P-R	-	-	-	Rare black specks, unstained, no infill.	WBCK	CHALK
66	90.57	BF	4	U-R	-	-	-	Clean	WBCK	CHALK
67	90.71	BF	9	U-R	-	-	-	Clean	WBCK	CHALK
68	90.83	BF	10	U-R	-	-	-	Clean	WBCK	CHALK
69	91.14-91.16	J	25	P-R	-	-	-	Clean	WBCK	CHALK
70	91.59	BF	7	P-R	-	-	-	Clean	WBCK	CHALK

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Contract: [REDACTED]	Compiled By	Date	Contract Ref:
	KJOHNSTONE	15.05.20	734318
Sizewell C Onshore GI Phase 2 2019			Page: 6 of 7 [REDACTED]

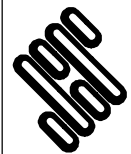
SUMMARY OF DISCONTINUITIES - DCBH2019_8

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
71	91.68-91.69	J	24	U-R	-	-	-	Clean	WBCK	CHALK
72	91.90	BF	8	U-R	-	-	-	Clean	PWBCK	CHALK
73	91.97	BF	3	U-R	-	-	-	Occasional black specks, unstained, no infill.	PWBCK	CHALK
74	92.45	BF	2	U-R	-	-	-	Clean	PWBCK	CHALK
75	92.70	BF	3	P-R	-	-	-	Clean	PWBCK	CHALK
76	92.99	BF	9	P-R	-	-	-	Clean	PWBCK	CHALK
77	93.13-93.15	J	18	P-R	-	-	-	Clean	PWBCK	CHALK
78	93.34	BF	2	P-R	-	-	-	Clean	PWBCK	CHALK
79	93.34-93.44	J	81	P-R	-	-	-	Clean	PWBCK	CHALK
80	93.44	BF	4	P-R	-	-	-	Clean	PWBCK	CHALK
81	96.78	BF	3	P-R	-	-	-	Clean	PWBCK	CHALK
82	97.03	BF	8	P-R	-	-	-	Clean	PWBCK	CHALK
83	97.23	BF	4	P-R	-	-	-	Clean	PWBCK	CHALK
84	97.90	BF	2	P-R	-	-	-	Clean	PWBCK	CHALK

Key:

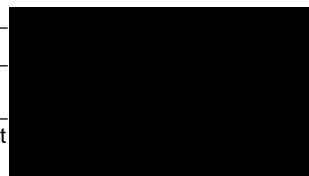
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STRUCTURAL SOILS
The Old School
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Bristol BS3 4EB

Contract



Compiled By

KJOHNSTONE

Date

15.05.20

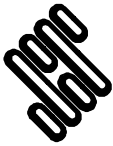
Contract Ref:

734318

ewell C Onshore GI Phase 2 2019

Page:

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STRUCTURAL SOILS

INSPECTION PIT LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_1
Contract Ref: 734318	Start: 07.11.19 End: 07.11.20	Ground Level (m AOD): 2.50	National Grid Co-ordinate: E:647230.1 N:263961.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.15	1	B			Backfill	MADE GROUND: Dark brown slightly gravelly fine SAND with occasional rootlets and shell fragments. Gravel is angular to subrounded of granite (type 1 subbase) and sandstone. (MADE GROUND)	2.35	0.15	
0.10	2	D		(0.30)					
0.15-0.45	3	B							
0.30	4	D		2.05			0.45		
0.45-0.75	5	B		(0.30)					
0.50	6	D							
0.75-1.20	7	B		1.75			0.75		
1.00	8	D		(0.45)					
						1.30	1.20		

General Remarks

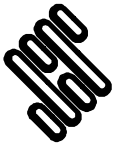
- Services plan was consulted.
- Position scanned with a CAT and Genny prior to excavation.
- Pit was dry and stable throughout excavation.
- No groundwater was encountered.
- Hand dug inspection pit to 1.20m depth.
- Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

1:25

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_1B
Contract Ref: 734318	Start: 19.07.19 End: 19.07.19	Ground Level (m AOD): 2.40	National Grid Co-ordinate: E:647235.0 N:263962.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.35	1	B				MADE GROUND: Light brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is subrounded fine to medium of flint. Frequent roots. (MADE GROUND)	2.04	0.36	
0.35-0.95	2	B				MADE GROUND: Light orangish brown silty SAND. Sand is fine to coarse. Frequent shell fragments. (MADE GROUND) ... 0.54m: concrete/tarmac. Extend pit 300mm south.	1.45	0.95	
						... 0.95m: concrete. Inspection pit terminated at 0.95m depth on concrete.			

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Hand dug inspection pit to 1.00m depth.
4. No groundwater was encountered.
5. Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	C B
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STRUCTURAL SOILS

INSPECTION PIT LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_1A
Contract Ref: 734318	Start: 18.07.19 End: 19.07.19	Ground Level (m AOD): 2.40	National Grid Co-ordinate: E:647235.0 N:263962.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.30	1	B				MADE GROUND: Light brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is subangular fine to medium of flint. Frequent roots. (MADE GROUND)	2.10	0.30	
0.30-0.50	2	B				MADE GROUND: Light orangish brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of flint. Frequent shell fragments. (MADE GROUND) ... 0.55m: concrete.	1.75	0.65	
Inspection pit terminated at 0.65m depth on concrete.									

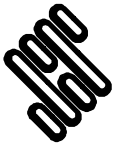
General Remarks

- Services plan was consulted.
- Position scanned with a CAT and Genny prior to excavation.
- Hand dug inspection pit to 0.65m depth.
- No groundwater was encountered.
- Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_1C
Contract Ref: 734318	Start: 19.07.19 End: 19.07.19	Ground Level (m AOD): 2.40	National Grid Co-ordinate: E:647235.0 N:263962.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.30	1	B				MADE GROUND: Light brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of flint. Frequent roots. (MADE GROUND)	2.10	0.30	
0.30-0.80	2	B				MADE GROUND: Light orangish brown silty SAND. Sand is fine to coarse. Frequent shell fragments. (MADE GROUND) ... 0.31-0.70m: black woven plastic bag of peat gravel down eastern side of pit. Pit extended 300mm east. ... 0.57m: yellow plastic ducting. ... 0.75m: concrete in western side of pit. Inspection pit terminated at 0.75m depth.	1.65	0.75	

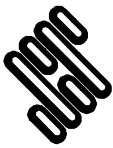
General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Hand dug inspection pit to 0.75m - core chisel. Divert borehole and move east to extend pit. Corrugated pipe surrounding.
4. No groundwater was encountered.
5. Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_2
Contract Ref: 734318	Start: 16.07.19 End: 16.07.19	Ground Level (m AOD): 1.60	National Grid Co-ordinate: E:647219.8 N:264223.2	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10-0.40	1	B			[Cross-hatched pattern]	MADE GROUND: Grass over dark brown sandy SILT. (MADE GROUND)	1.54	0.06	[Cross-hatched pattern]
						MADE GROUND: Loose light yellowish brown slightly gravelly SAND. Sand is fine to medium. Gravel is subangular and fine with shell fragments. (MADE GROUND)	1.20	0.40	
0.50-1.00	2	B			[Cross-hatched pattern]	MADE GROUND: Medium dense light orangish brown slightly silty slightly gravelly SAND. Sand is fine to coarse. Gravel is subangular and fine with shell fragments. (MADE GROUND)		(0.70)	[Cross-hatched pattern]
0.80 0.80	WAC1 WAC2	ES ES							
1.00-1.30	3	B			[Cross-hatched pattern]	MADE GROUND: Medium dense dark greyish brown slightly gravelly SAND. Sand is fine to coarse. Gravel is subangular and fine with shell fragments. (MADE GROUND)	0.50	1.10	[Cross-hatched pattern]
							0.40	1.20	

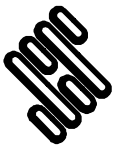
General Remarks

- Services plan was consulted.
- Position scanned with a CAT and Genny prior to excavation.
- Inspection pit hand dug to 1.20m depth.
- Groundwater seepage at 1.20m depth.
- Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	[Redacted]
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STRUCTURAL SOILS

INSPECTION PIT LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_2A
Contract Ref: 734318	Start: 17.07.19 End: 17.07.19	Ground Level (m AOD): 1.63	National Grid Co-ordinate: E:647216.4 N:264224.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.10	1	B			Backfilled	MADE GROUND: Grass over soft light brown sandy SILT. Sand is fine to coarse. (MADE GROUND)	1.53	0.10	Backfilled
0.10-0.35	2	B				MADE GROUND: Light yellowish brown silty SAND. Sand is fine. Frequent shell fragments. (MADE GROUND)	1.28	0.35	
0.35-0.80	3	B				MADE GROUND: Light orangish brown silty SAND. Sand is fine to coarse. Frequent shell fragments. (MADE GROUND)	0.83	(0.45) 0.80	
0.80-1.20	4	B				MADE GROUND: Dark greyish brown silty fine to coarse SAND. Frequent shell fragments. (MADE GROUND)	0.43	(0.40) 1.20	

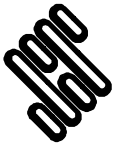
General Remarks

- Services plan was consulted.
- Position scanned with a CAT and Genny prior to excavation.
- Seepage at base of pit (1.20m depth).
- Hand dug inspection pit to 1.20m depth.
- Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_2B
Contract Ref: 734318	Start: 06.08.19 End: 24.09.19	Ground Level (m AOD): 1.60	National Grid Co-ordinate: E:647229.3 N:264219.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.10	1	B			[Cross-hatched pattern]	MADE GROUND: Dark brown slightly gravelly fine SAND with occasional rootlets. Gravel is subangular to subrounded fine of sandstone. (MADE GROUND) MADE GROUND: Dark yellowish brown slightly gravelly fine SAND. Gravel is subangular to subrounded fine of sandstone and flint. (MADE GROUND) MADE GROUND: Dark brown slightly gravelly slightly silty fine to medium SAND with occasional shell fragments. Gravel is subangular to subrounded fine to medium of sandstone and flint. (MADE GROUND)	1.50	0.10	[Cross-hatched pattern]
0.10	2	D					(0.30)		
0.10-0.40	3	B							
0.30	4	D							
0.40-2.00	5	B							
1.00	6	D							
							0.40	1.20	

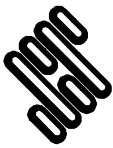
General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Hand dug inspection pit to 1.20m depth.
4. Drilling continued through obstructions to all CPTU tests carried out.
5. No groundwater was encountered.
6. Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_3
Contract Ref: 734318	Start: 18.07.19 End: 19.11.19	Ground Level (m AOD): 0.77	National Grid Co-ordinate: E:647458.3 N:263969.8	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.15	1	B			Backfill	MADE GROUND: Grass over light yellowish brown slightly gravelly silty SAND with a low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of flint. Cobbles are subrounded of flint. Frequent roots. (MADE GROUND)	0.62	0.15	Backfill
0.15-0.45	2	B				MADE GROUND: Light yellowish brown silty fine to medium SAND. Frequent shell fragments. (MADE GROUND)	0.32	0.45	
0.45-1.00	3	B				MADE GROUND: Light orangish brown silty fine to coarse SAND. Occasional shell fragments. (MADE GROUND)	-0.28	1.05	
1.05-1.40	4	B				MADE GROUND: Dark greenish mottled greyish brown slightly gravelly silty fine to coarse SAND. Gravel is subrounded fine to medium of flint. Occasional rootlets. (MADE GROUND)	-0.43	1.20	

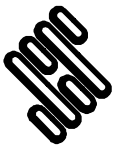
General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Hand dug inspection pit to 1.20m depth.
4. Drilling continued to remove obstruction to all CPTU tests.
5. No groundwater was encountered.
6. Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_4
Contract Ref: 734318	Start: 16.07.19 End: 03.10.19	Ground Level (m AOD): 1.85	National Grid Co-ordinate: E:647450.1 N:264229.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results							
0.10-0.30	1	B			[Cross-hatched pattern]	MADE GROUND: Friable light brown slightly gravelly slightly sandy SILT with frequent rootlets. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse. (MADE GROUND)	1.75	0.10	[Cross-hatched pattern]	
0.30-0.80	2	B				MADE GROUND: Light orangish to yellowish brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to medium of flint, plastic and granite. (MADE GROUND)	1.55	0.30		[Cross-hatched pattern]
						MADE GROUND: Orangish brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)		(0.70)		
1.10-1.30	3	B				MADE GROUND: Greenish brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	0.85	1.00		[Cross-hatched pattern]
							0.65	1.20		

General Remarks

- Services plan was consulted.
- Position scanned with a CAT and Genny prior to excavation.
- Hand dug inspection pit to 1.20m depth.
- Groundwater seepage at 1.20m depth.
- CPTU tests continued to 83.54m depth.
- Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: DCPT2019_5
Contract Ref: 734318	Start: 10.01.19 End: 22.10.19	Ground Level (m AOD): 1.63	National Grid Co-ordinate: E:647342.8 N:264101.4	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.20	1	B			[Cross-hatched pattern]	MADE GROUND: Grass over light brown slightly gravelly silty fine to coarse SAND. Gravel is subrounded fine to medium of flint and limestone. (MADE GROUND)	1.43	0.20	[Cross-hatched pattern]
0.20-0.70	2	B				MADE GROUND: Light orangish brown slightly gravelly silty fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)		(0.80)	
1.00-1.50	3	B		~		MADE GROUND: Dark greyish brown silty fine to coarse SAND. Frequent shell fragments. (MADE GROUND)	0.63	1.00	
							0.43	1.20	[Cross-hatched pattern]

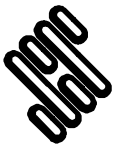
General Remarks

1. Services plan was consulted.
2. Position scanned with CAT and Genny prior to excavation.
3. Hand dug inspection pit to 1.20m depth.
4. Water seepage at 1.00m depth.
5. CPTU tests to 81.04m depth.
6. Inspection pit backfilled with arisings after CPTU test.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	
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STRUCTURAL SOILS

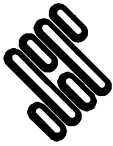
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_A	
Contract Ref: 734318		Start: 19.07.19 End: 02.08.19	Ground Level (m AOD): 1.86	National Grid Co-ordinate: E:647312.1 N:264273.6	Sheet: 1 of 2

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.00-0.10	1	B				MADE GROUND: Orangish brown slightly gravelly fine to coarse SAND with occasional rootlets. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)			[Cross-hatch pattern]
0.10	101	ES					(0.40)		
0.10-0.40	2	B				MADE GROUND: Orangish brown slightly gravelly slightly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	1.46	0.40	[Cross-hatch pattern]
0.30	102	ES					(0.40)		
0.30	WAC1	ES				MADE GROUND: Orangish brown to orangish grey slightly gravelly very clayey fine to coarse SAND with rare polystyrene. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	1.06	0.80	[Cross-hatch pattern]
0.40-0.80	3	B					(2.00)		
0.50	103	ES				MADE GROUND: Orangish grey slightly gravelly very clayey fine to coarse SAND with frequent timber. Gravel is subangular to subrounded fine to coarse of flint. Cobbles of concrete. Slight hydrocarbon sheen on water. (MADE GROUND)	-0.94	2.80	[Cross-hatch pattern]
0.60	WAC2	ES					(0.60)		
0.80-1.20	4	B				Firm dark blackish brown slightly mottled with dark grey slightly sandy slightly clayey pseudo-fibrous PEAT with lenses of soft dark grey clay. (SUPERFICIAL DEPOSITS - PEAT)			[Diagonal lines pattern]
1.00	104	ES					-1.54	3.40	
1.00	WAC3	ES				Firm dark blackish brown slightly mottled with dark grey slightly sandy slightly clayey pseudo-fibrous PEAT with lenses of soft dark grey clay. (SUPERFICIAL DEPOSITS - PEAT)			[Diagonal lines pattern]
2.80-3.40	5	B					-2		
3.00	105	ES				Firm dark blackish brown slightly mottled with dark grey slightly sandy slightly clayey pseudo-fibrous PEAT with lenses of soft dark grey clay. (SUPERFICIAL DEPOSITS - PEAT)			[Diagonal lines pattern]
3.00	WAC4	ES	0.5ppm				(1.60)		
3.00		PID				Firm dark blackish brown slightly mottled with dark grey slightly sandy slightly clayey pseudo-fibrous PEAT with lenses of soft dark grey clay. (SUPERFICIAL DEPOSITS - PEAT)			[Diagonal lines pattern]
3.40-4.80	6	LB							
3.40-4.80	6	B				Firm dark blackish brown slightly mottled with dark grey slightly sandy slightly clayey pseudo-fibrous PEAT with lenses of soft dark grey clay. (SUPERFICIAL DEPOSITS - PEAT)			[Diagonal lines pattern]
4.00	106	ES							
4.00	WAC5	ES				Firm dark blackish brown slightly mottled with dark grey slightly sandy slightly clayey pseudo-fibrous PEAT with lenses of soft dark grey clay. (SUPERFICIAL DEPOSITS - PEAT)			[Diagonal lines pattern]
4.00		ES							

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
19/07/19		0.00	None	N/R	-				1. Position scanned with a CAT and Genny prior to excavation. 2. Hand dug inspection pit to 1.20m depth. 3. Slight hydrocarbon sheen from 2.80m to 3.40m depth. 4. No groundwater strikes. 5. Borehole was installed on completion.	
19/07/19		1.20	None	350	-					
19/07/19		1.20	None	350	-					
19/07/19	15:30	3.50	3.50	350	3.18					
19/07/19		3.50	3.50	350	3.18					
20/07/19		3.50	3.50	350	2.14					
20/07/19		6.00	6.00	350	-					
02/08/19		6.00	6.00	350	-					
Method Used:		Trial Pit/trench + Cable Percussion		Plant Used:		Hand tools + Dando 2000 Mark 2		Drilled By: Chris Jobson		
								Logged By: RAndrews		



STRUCTURAL SOILS

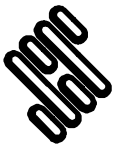
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_A	
Contract Ref: 734318	Start: 19.07.19 End: 02.08.19	Ground Level (m AOD): 1.86	National Grid Co-ordinate: E:647312.1 N:264273.6	Sheet: 2 of 2	

Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
4.80-5.00	7	B				... 4.80-5.00m: spongy becoming firm dark grey slightly silty clayey pseudo-fibrous PEAT with a weak organic odour.	-3		
5.00	107	ES				Firm very dark blackish brown slightly mottled with dark grey slightly sandy slightly clayey pseudo-fibrous PEAT with lenses of soft dark grey clay. (SUPERFICIAL DEPOSITS - PEAT)	-3.14	5.00	
5.00-6.00	8	LB							
5.00-6.00	8	B							
5.00	WAC6	ES							
6.00	108	ES				Borehole terminated at 6.00m depth.	-4		
6.00	WAC7	ES					-4.14	6.00	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
02/08/19		6.00	6.00	350	-				
						All dimensions in metres			Scale: 1:25
Method Used:	Trial Pit/trench + Cable Percussion		Plant Used:	Hand tools + Dando 2000 Mark 2		Drilled By:	Chris Jobson		Logged By: RAndre



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_B1	
Contract Ref: 734318		Start: 30.07.19 End: 30.07.19	Ground Level (m AOD): 1.66	National Grid Co-ordinate: E:647123.9 N:264121.5	Sheet: 1 of 1

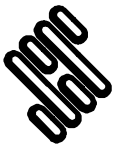
Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.00-0.20	1	B			MADE GROUND: Orangish brown slightly gravelly silty fine SAND. Gravel is fine to medium of flint. (MADE GROUND)	1.46	0.20		
0.10	101	ES			MADE GROUND: Yellowish brown silty fine SAND. (MADE GROUND)		(0.40)		
0.10	WAC1	ES							
0.20	2	D							
0.20-0.60	3	LB							
0.20-0.60	3	B							
0.30	102	ES							
0.50	103	ES							
0.50	4	D							
0.50	WAC2	ES							
0.60-1.10	5	B							
0.80	WAC3	ES							
0.90	6	D							
1.00	104	ES							
1.10-1.20	7	B							
1.20	8	D							
1.20-1.70	9	B							
1.20	WAC4	ES							
1.50	10	D							
1.70-1.90	11	LB			... 1.70m: concrete gravel.				
1.70-1.90	11	B							
1.80	12	LB							
1.80	12	D							
1.90	105	ES							

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
30/07/19		0.00	None	N/R	-	1.70	1.90	01:00	
30/07/19		1.20	None	350	-				
30/07/19		1.20	None	350	-				
30/07/19		1.90	1.90	350	-				

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson	Logged By: HSkaleld
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_B2	
Contract Ref: 734318		Start: 31.07.19 End: 01.08.19	Ground Level (m AOD): 1.69	National Grid Co-ordinate: E:647124.3 N:264125.5	Sheet: 1 of 2

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.00-0.30	1	B				MADE GROUND: Orangish brown slightly gravelly silty fine SAND. Gravel is fine to medium subangular to subrounded of flint. (MADE GROUND)		(0.30)	
0.10	101	ES				1.39	0.30		
0.20	2	D							
0.30	102	ES							
0.30-0.60	3	LB					(0.30)		
0.30-0.60	3	B							
0.50	103	ES				1.09	0.60		
0.50	4	D							
0.50	WAC1	ES							
0.60-1.00	5	B				1	(0.40)		
0.80	6	D				0.69	1.00		
1.00	104	ES							
1.00-1.20	7	B							
1.10	WAC2	ES					(0.70)		
1.20-2.40	11	LB							
1.20-2.40	11	B							
1.20	8	D							
1.20-1.70	9	LB							
1.20-1.70	9	B		-0.01	1.70				
1.80	10	D							
2.00	105	ES			(0.70)				
2.20	12	D							
2.20	WAC3	ES		-0.71	2.40				
2.40-5.70	13	LB							
2.40-5.70	13	B							
3.00	106	ES							
3.00	WAC4	ES							
3.50	14	D							
4.00	107	ES			(3.30)				
4.00	WAC5	ES							

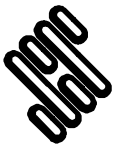
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
31/07/19		1.20	None	N/R	1.20	2.20	2.40	00:30	
31/07/19		1.20	None	350	-	3.00	3.50	01:00	
31/07/19		1.20	None	350	-	3.70	3.90	00:30	
31/07/19		4.00	4.00	350	2.86	4.60	5.00	01:00	
01/08/19		4.00	4.00	350	1.87	5.50	5.70	00:30	
01/08/19		7.00	6.80	350	-				

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson	Logged By: HPerry-Smith HSkaleid
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1. Position scanned with a CAT and Genny prior to excavation.
2. Inspection pit dug to 1.20m depth.
3. Groundwater seepage at 1.20m depth.
4. Borehole backfilled with sand.



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_B2	
Contract Ref: 734318		Start: 31.07.19 End: 01.08.19	Ground Level (m AOD): 1.69	National Grid Co-ordinate: E:647124.3 N:264125.5	Sheet: 2 of 2

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
5.00	108	ES							
5.70-6.60 5.70-6.60	15 15	LB B				MADE GROUND: Orangish brown slightly gravelly clayey fine SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	-4.01	5.70	
6.00 6.00 6.00	109 16 WAC6	ES D ES						(0.90)	
6.60	110	ES				Firm blackish grey clayey pseudo-fibrous PEAT with pockets of clay. (SUPERFICIAL DEPOSITS - PEAT)	-4.91	6.60	
						Borehole terminated at 7.00m depth.	-5.31	7.00	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	

All dimensions in metre

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson	Logged By: HPerry-Smith + HSkaleld
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_D	
Contract Ref: 734318		Start: 21.07.19 End: 21.07.19	Ground Level (m AOD): 1.90	National Grid Co-ordinate: E:647450.0 N:264069.8	Sheet: 2 of 2

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
4.50	108	ES		[Cross-hatched pattern]		Spongy dark grey sandy pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-2.80	4.70	
4.50-4.70	8	B							
4.50	WAC8	ES							
						Borehole terminated at 4.70m depth.			

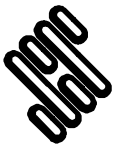
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	

All dimensions in metres

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson	Logged By: RAndrews
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_E	
Contract Ref: 734318		Start: 10.07.19 End: 11.07.19	Ground Level (m AOD): 1.64	National Grid Co-ordinate: E:647264.6 N:264209.6	Sheet: 1 of 2

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.00-0.70	1	B				MADE GROUND: Orangish brown slightly silty/clayey gravelly fine and medium SAND with occasional rootlets. Gravel is subangular to subrounded fine to coarse of flint. Rare pieces of glass and rubber. (MADE GROUND)	1.24	0.40	
0.10	1	ES							
0.20	WAC1	ES							
0.30	1	D							
0.30	2	ES							
0.50	3	ES							
0.60	WAC2	ES							
0.70-1.20	2	B							
1.00	2	D							
1.00	4	ES							
1.20	WAC4	ES				Firm dark brown slightly gravelly slightly sandy silty CLAY with frequent shells and strong organic odour. Gravel is subangular to subrounded fine to coarse of flint. (SUPERFICIAL DEPOSITS - CLAY)	0.94	0.70	
2.00	5	ES				Spongy dark brown pseudo-fibrous PEAT with occasional lenses of clay. (SUPERFICIAL DEPOSITS - PEAT)	0.14	1.50	
3.80	6	ES				Soft dark grey silty CLAY with frequent plant remains. (SUPERFICIAL DEPOSITS - CLAY)	-2.06	3.70	
3.80	WAC3	ES				Firm dark brown pseudo-fibrous PEAT with occasional lenses of clay. (SUPERFICIAL DEPOSITS - PEAT)	-2.26	3.90	

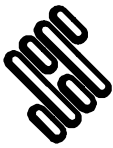
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
09/07/19		0.00	None	N/R	-				
09/07/19		1.20	None	350	-				
09/07/19		1.20	None	350	-				
09/07/19		2.50	None	350	-				
10/07/19		2.50	None	350	-				
10/07/19		6.00	None	350	-				

All dimensions in m

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000	Drilled By: Chris Jobson	Logged By: RAndrew HSkalel
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1. Position scanned with a CAT and Genny prior to excavation.
2. Hand dug inspection pit to 1.20m depth.
3. No water strike.
4. Borehole was grouted on completion.



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_E	
Contract Ref: 734318		Start: 10.07.19 End: 11.07.19	Ground Level (m AOD): 1.64	National Grid Co-ordinate: E:647264.6 N:264209.6	
				Sheet: 2 of 2	

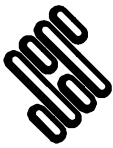
Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
5.00	7	ES					-3	(2.10)	▽
6.00	8	ES				Borehole terminated at 6.00m depth.	-4.36	6.00	▽

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	

All dimensions in [redacted]

Method Used:	Trial Pit/trench + Cable Percussion	Plant Used:	Hand tools + Dando 2000	Drilled By:	Chris Jobson	Logged By:	RAndr HSk [redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_E1	
Contract Ref: 734318	Start: 10.07.19 End: 17.07.19	Ground Level (m AOD): 1.47	National Grid Co-ordinate: E:647258.8 N:264212.7	Sheet: 1 of 1	

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.80-1.20	1	LB	1.3ppm			MADE GROUND: Orangish brown slightly gravelly fine to coarse SAND with rootlets. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	1.07	0.40	
0.80-1.20	1	B				MADE GROUND: Orangish brown slightly gravelly clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	0.67	0.80	
1.00	2	D				MADE GROUND: Grey gravelly clayey fine to coarse SAND with frequent shells and strong hydrocarbon odour. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	0.27	1.20	
1.10	1	ES				MADE GROUND: Dark greyish brown mottled dark orangish brown slightly gravelly silty fine to coarse SAND. Gravel is subangular to subrounded of flint. Frequent shell fragments. (MADE GROUND)	0	0.60	
1.10		PID				MADE GROUND: Dark greenish brown silty/clayey gravelly fine to coarse SAND. (MADE GROUND)	-0.33	1.80	
2.00-3.00	3	LB				0.7ppm			
2.00-3.00	3	B	Spongy dark brown silty pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-2.53	4.00				
2.50	4	D	Borehole terminated at 4.00m depth.						
3.00		PID							
3.80-4.00	5	B							
4.00	6	B							

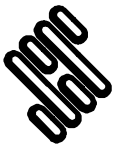
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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
10/07/19		1.20	None	N/R	1.20				
10/07/19		1.20	None	350	-				
10/07/19		1.20	None	3350	-				
10/07/19		1.20	None	N/R	1.03				
17/07/19		1.20	None	350	-				
17/07/19		4.00	4.00	350	2.63				

All dimensions in metres

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark2	Drilled By: Chris Jobson	Logged By: RAndrews + HSkaldid
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- Position scanned with a CAT and Genny prior to excavation.
- Hand dug inspection pit to 1.20m depth.
- 0.80m - 1.50m depth strong hydrocarbon odour.
- Groundwater seepage at 1.20m depth, slight hydrocarbon sheen.
- Groundwater strike at 1.80m depth. Risen to 1.63m after 20 minutes.
- Borehole backfilled with sand on completion.



STRUCTURAL SOILS

BOREHOLE LOG

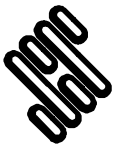
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_E2	
Contract Ref: 734318		Start: 18.07.19 End: 18.07.19	Ground Level (m AOD): 1.56	National Grid Co-ordinate: E:647269.7 N:264207.4	Sheet: 1 of 2

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results							
0.00-0.10	1	B				MADE GROUND: Dark brown slightly gravelly fine to medium SAND. (MADE GROUND)	1.46	0.10		
0.10-0.40	2	B				MADE GROUND: Loose dark yellowish brown fine SAND with a low cobble content. Cobbles are subangular to subrounded fine to medium of sandstone (8cm x 6cm x 10cm). (MADE GROUND)	(0.30)			
0.30-0.40	3	D					1.16	0.40		
0.40-0.90	4	LB						1		(0.50)
0.40-0.90	4	B						0.66		0.90
0.70-0.80	5	D								(0.30)
0.90-1.20	6	B						0.36		1.20
1.00-1.10	7	D								
1.20-2.00	8	LB								
2.00-2.80	10	LB								2
2.40-2.50	9	D								-1
2.80-3.80	11	LB								3
3.80-4.50	12	LB					-2	4		

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
18/07/19		1.20	1.20	350	1.10				
18/07/19		1.20	1.20	350	-				
18/07/19		1.20	1.20	350	-				
18/07/19		5.50	5.30	350	4.63				

All dimensions in metres		Scale: 1:25
Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson
Logged By: RAndrews		



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_E2	
Contract Ref: 734318		Start: 18.07.19 End: 18.07.19	Ground Level (m AOD): 1.56	National Grid Co-ordinate: E:647269.7 N:264207.4	Sheet: 2 of 2

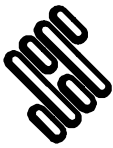
Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
4.50-5.30	13	LB							
						Spongy dark brown pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-3.74	5.30	
						Borehole terminated at 5.50m depth.	-3.94	5.50	

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

All dimensions in metres Scale: XXXXXXXXXX

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson	Logged By: RAndrews	C By: XXXXXXXXXX
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_F	
Contract Ref: 734318		Start: 24.07.19 End: 26.07.19	Ground Level (m AOD): 1.55	National Grid Co-ordinate: E:647260.2 N:264009.9	Sheet: 1 of 2

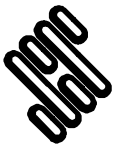
Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.05	1	B				MADE GROUND: Dark brown fine SAND. (MADE GROUND)	1.50	0.05	
0.05-0.30	2	B							
0.10	101	ES				MADE GROUND: Yellowish brown slightly gravelly slightly clayey fine SAND with rare shell fragments. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	1.25	0.30	
0.10	WAC1	ES							
0.20	3	D							
0.30	102	ES				MADE GROUND: Orangish brown silty/clayey gravelly fine and medium SAND. Gravel is subangular to subrounded fine to coarse of flint with occasional shell fragments. (MADE GROUND) ... 0.30m: geomembrane.	1	(0.60)	
0.30-0.90	4	LB							
0.30-0.90	4	B							
0.50	103	ES							
0.50	WAC2	ES							
0.60	5	D					0.65	0.90	
0.90-1.20	6	B				MADE GROUND: Greyish brown slightly gravelly silty/clayey fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint with frequent shells. (MADE GROUND)	1	(0.30)	
1.00	104	ES							
1.00	7	D							
1.00	WAC3	ES							
1.20-2.00	8	LB				MADE GROUND: Dark brown slightly gravelly silty/clayey fine and medium grained SAND with occasional shell fragments. Gravel is subangular to subrounded fine of sandstone, flint and mudstone. (MADE GROUND)	0		
1.20-2.00	8	B							
2.00-4.40	10	LB							
2.00-4.40	10	B							
2.00	105	ES							
2.00	9	D							
2.50-4.40	10	LB							
3.00-4.40	10	LB							
3.00	106	ES							
3.00	11	D							
3.50-4.40	10	LB							
4.00	107	ES							

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
24/07/19		1.20	None	N/R	1.10				
24/07/19		1.20	None	350	-				
24/07/19		1.20	None	350	-				
24/07/19		4.00	4.00	360	2.86				
25/07/19		4.00	4.00	360	-				
25/07/19		4.50	4.70	360	-				
26/07/19		4.50	4.70	360	-				
26/07/19		4.50	4.70	360	-				

All dimensions in metres

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson	Logged By: RAndrews
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_F	
Contract Ref: 734318		Start: 24.07.19 End: 26.07.19	Ground Level (m AOD): 1.55	National Grid Co-ordinate: E:647260.2 N:264009.9	Sheet: 2 of 2

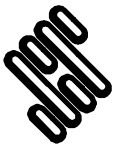
Depth (m)	Samples & Testing			Backfill & Instrumentation	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
4.50	108	ES				Spongy dark grey slightly sandy pseudo-fibrous clayey PEAT. (SUPERFICIAL DEPOSITS - PEAT)	-2.95	4.50	1/1
4.50	WAC4	ES				Borehole terminated at 4.50m depth in peat due to client instruction.			

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	

All dimensions in metres Scale:

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson	Logged By: RAndrews	C By: XXXXXXXXXX
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STRUCTURAL SOILS

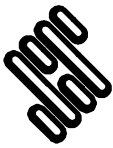
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_H	
Contract Ref: 734318		Start: 06.08.19 End: 09.08.20	Ground Level (m AOD): 2.02	National Grid Co-ordinate: E:647467.8 N:264208.0	Sheet: 1 of 1

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.00-0.30	1	B				MADE GROUND: Greyish brown slightly gravelly fine SAND with occasional rootlets. Gravel is subrounded fine of flint. (MADE GROUND)	2		
0.10	2	D					(0.30)		
0.30	101	ES				MADE GROUND: Orangish brown slightly gravelly silty/clayey fine and medium SAND. Gravel is subrounded fine of flint. (MADE GROUND)	1.72	0.30	
0.30-1.40	3	B							
0.70	4	D					(1.10)		
1.40	102	ES		MADE GROUND: Light orangish brown slightly gravelly silty fine to medium SAND with occasional shell fragments. Gravel is subangular to subrounded fine of flint. (MADE GROUND)	0.62	1.40			
1.40-2.40	5	LB			(1.10)				
2.40	103	ES					-0.48	2.50	
Borehole terminated at 2.50m depth.									

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
06/08/19		0.00	None	N/R	-	2.30	2.50	01:00	1. Position scanned with a CAT and Genny prior to excavation. 2. Hand dug inspection pit to 1.20m depth. 3. No water strike. 4. Water was added to assist drilling. 5. Borehole backfilled with sand.
06/08/19		1.20	None	350	-				
06/08/19		1.20	None	350	-				
06/08/19		2.50	None	350	-				
07/08/19		2.50	None	350	-				
08/08/19		2.50	None	350	-				
						All dimensions in metres		Scale: 1:25	
Method Used:	Trial Pit/trench + Cable Percussion		Plant Used:	Hand tools + Dando 2000 Mark 2		Drilled By:	Chris Jobson		Logged By: RAndrews + HSkaleld



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_I	
Contract Ref: 734318		Start: 12.08.19 End: 13.08.19	Ground Level (m AOD): 2.03	National Grid Co-ordinate: E:647451.3 N:264178.6	Sheet: 1 of 1

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.00-0.05	1	B				MADE GROUND: Grass over dark yellowish brown slightly gravelly fine SAND with occasional rootlets. Gravel is subangular to subrounded fine of sandstone. (MADE GROUND)	1.982	0.05	
0.05	2	D					1.73	0.30	
0.05-0.30	3	B							
0.30	101	ES				MADE GROUND: Dark yellowish brown slightly gravelly clayey fine and medium SAND. Gravel is subangular to subrounded fine to medium of sandstone. (MADE GROUND)			
0.30	4	D							
0.30-1.10	5	B							
0.50	6	D					(0.80)		
1.10-2.00	7	B				MADE GROUND: Dark yellowish brown slightly mottled dark grey slightly gravelly silty/clayey fine and medium SAND. Gravel is subangular to subrounded fine to medium of sandstone and flint. (MADE GROUND)	0.93	1.10	
1.50	8	D					(0.90)		
2.00	102	ES				MADE GROUND: Dark yellowish brown slightly mottled dark grey slightly gravelly fine to medium SAND with occasional shell fragments. Gravel is subangular to subrounded fine to medium of sandstone and concrete. (MADE GROUND)	0.03	2.00	
2.00-2.40	9	B							
2.20	10	D					(0.40)		
2.40	103	ES				Spongy dark slightly greyish black pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT) Borehole terminated at 2.50m depth.	-0.37	2.40	
							-0.47	2.50	

GINT LIBRARY V8_07_GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - COMPOSITE LOG - A4P | 734318 - COMPOSITE LOG - A4P | 734318 - COMPOSITE LOG - A4P | 16/07/20 - 10:01 | ST9 | Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk

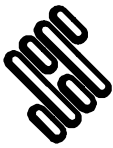
Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
12/08/19		0.00	None	N/R	-				
12/08/19		1.20	None	350	-				
12/08/19		1.20	None	350	-				
12/08/19		2.50	2.50	350	2.00				
13/08/19		2.50	2.50	350	1.40				

All dimensions in metres

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000	Drilled By: Jamie Carr	Logged By: ADenham
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1. Position scanned with a CAT and Genny prior to excavation.
2. Hand dug inspection pit to 1.20m depth.
3. No water strike.
4. Water was added to assist drilling.
5. Borehole was backfilled with sand on completion.





STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MG2019_J	
Contract Ref: 734318		Start: 03.08.19 End: 04.08.19	Ground Level (m AOD): 1.72	National Grid Co-ordinate: E:647076.3 N:264113.8	Sheet: 1 of 2

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.00-0.10	1	B		[Cross-hatched pattern]		MADE GROUND: Orangish brown slightly gravelly slightly clayey fine and medium SAND with frequent shell fragments. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	1.32	0.40	[Cross-hatched pattern]
0.10-0.40	3	B							
0.30	4	D							
0.40	101	ES							
0.40-1.00	5	D							
0.50	2	D							
0.60	6	D							
1.00	102	ES							
1.00-5.00	7	LB							
1.00-1.20	7	B							
1.10	8	D							
1.10-2.00	9	B							
2.00	10	D		[Cross-hatched pattern]	MADE GROUND: Dark orangish brown gravelly clayey/silty fine SAND with abundant shell fragments. Gravel is subangular to subrounded fine to coarse of flint and sandstone. (MADE GROUND) ... 1.10-5.00m: MADE GROUND: Dark slightly greyish brown silty fine and medium grained SAND with occasional plant remains. Gravel is subangular to subrounded fine of flint and sandstone.	0.72	1.00	[Cross-hatched pattern]	
2.00	103	ES							
2.00-3.50	11	B							
3.50	104	ES							
3.50-5.00	13	B							
4.00	12	D							

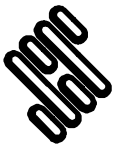
GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
 Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:01 | ST9 |

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
03/08/19		0.00	None	N/R	-				
03/08/19		1.20	None	350	-				
03/08/19		1.20	None	350	-				
03/08/19		1.20	None	350	Dry				
03/08/19		2.40	2.40	350	2.20				
03/08/19		5.50	5.50	350	4.68				
04/08/19		5.50	5.50	350	3.28				
04/08/19		6.00	6.00	350	4.82				

All dimensions in metres

Method Used:	Trial Pit/trench + Cable Percussion	Plant Used:	Hand tools + Dando 2000 Mark 2	Drilled By:	Chris Jobson	Logged By:	HSkaeld
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- Position was scanned with a CAT and Genny prior to excavation.
- Hand dug inspection pit to 1.20m depth.
- No water strike.
- Water was added to assist drilling.
- Borehole backfilled with sand on completion.



STRUCTURAL SOILS

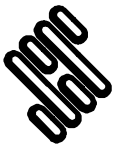
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_J	
Contract Ref: 734318		Start: 03.08.19 End: 04.08.19	Ground Level (m AOD): 1.72	National Grid Co-ordinate: E:647076.3 N:264113.8	
				Sheet: 2 of 2	

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
5.00	105	ES				. . . 5.00-5.90m: MADE GROUND: Dark slightly brownish grey slightly gravelly slightly silty fine grained SAND. Gravel is subangular to subrounded of flint and sandstone.			
5.00	14	B							
5.00	15	D							
5.00-5.90	16	B							
5.50	17	D							
5.90	106	ES				Spongy dark grey pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT) Borehole terminated at 6.00m depth.	-4.19	5.90	
5.90-6.00	18	B					-4.29	6.00	
6.00	19	D							

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									All dimensions in metres Scale: 1:25
Method Used:	Trial Pit/trench + Cable Percussion		Plant Used:	Hand tools + Dando 2000 Mark 2		Drilled By:	Chris Jobson		Logged By: HSkaleld



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_K	
Contract Ref: 734318		Start: 04.08.19 End: 05.08.19	Ground Level (m AOD): 1.67	National Grid Co-ordinate: E:647083.8 N:264131.1	Sheet: 1 of 2

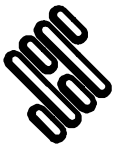
Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
0.00-0.10	1	B				MADE GROUND: Dark brown slightly gravelly slightly clayey fine SAND. Gravel is subangular fine of flint. (MADE GROUND)	1.57	0.10	
0.05	2	D							
0.10	101	ES							
0.10-0.50	3	B							
0.30	4	D							
0.50-1.20	5	B							
0.70	6	D							
1.20	102	ES							
1.20-4.00	7	LB							
1.20-4.00	7	B							
2.50-3.00	9	B							
3.00	8	D							
4.00-6.00	13	LB				MADE GROUND: Orangish brown slightly gravelly clayey fine and medium SAND. Gravel is subangular to subrounded fine to coarse of flint, concrete and brick with frequent shell fragments. Occasional cobbles of brick and concrete. (MADE GROUND)	-2.33	4.00	
4.00-6.00	13	B							
4.20		D							

GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - COMPOSITE LOG - A4P | 734318 - COMPOSITE LOG - A4P | 734318 - COMPOSITE LOG - A4P | 16/07/20 - 10:02 | ST9 | Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
04/08/19		0.00	None	N/R	-	4.50	5.00	01:00	
04/08/19		1.20	None	350	-	5.00	5.40	01:00	
04/08/19		1.20	None	350	-	6.60	7.00	01:00	
04/08/19		1.20	None	350	-				
05/08/19		1.20	None	350	1.10				
05/08/19		4.50	4.50	350	2.93				
05/08/19		7.50	7.50	350	4.67				

All dimensions in metres

Method Used: Trial Pit/trench + Cable Percussion	Plant Used: Hand tools + Dando 2000 Mark 2	Drilled By: Chris Jobson	Logged By: HSkaleld
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STRUCTURAL SOILS

BOREHOLE LOG

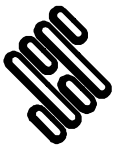
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: MGS2019_K	
Contract Ref: 734318		Start: 04.08.19 End: 05.08.19	Ground Level (m AOD): 1.67	National Grid Co-ordinate: E:647083.8 N:264131.1	Sheet: 2 of 2

Depth (m)	Samples & Testing			Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results						
4.50 4.50-5.00	103 11	ES B		Backfill					
5.50	12	D							
6.00-6.50 6.00-7.30 6.00-7.30	15 16 16	B LB B							
6.50	14	D							
7.30-7.50	18	B				Spongy dark grey pseudo-fibrous PEAT with pockets of clay. (SUPERFICIAL DEPOSITS - PEAT)			
7.50	17	D				Borehole terminated at 7.50m depth.			

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Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	

Method Used:	Trial Pit/trench + Cable Percussion	Plant Used:	Hand tools + Dando 2000 Mark 2	Drilled By:	Chris Jobson	Logged By:	HSkaleid	Sca		Ch		By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_1
Contract Ref: 734318	Start: 10.09.19 End: 10.09.19	Ground Level (m AOD): 2.79	National Grid Co-ordinate: E:647184.2 N:263940.8	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.30	1	B				MADE GROUND: Dark brown slightly gravelly fine SAND. Gravel is angular to subrounded fine to medium of sandstone and concrete limestone (ballast). (MADE GROUND)	2.49	0.30	
0.30-0.60	2 3	D B				MADE GROUND: Dark brown slightly mottled with dark orangish brown slightly gravelly fine SAND. Gravel is angular to subrounded fine to medium on concrete and sandstone. (MADE GROUND)	2.19	0.60	
0.60-1.20	4 5	D B				MADE GROUND: Dark slightly yellowish brown slightly gravelly fine SAND. Gravel is angular to subrounded fine of concrete limestone (ballast). (MADE GROUND)	1.59	1.20	
1.20	6	D				Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.			

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Pit remained stable and dry throughout excavation.
4. Hand dug inspection pit to 1.20m depth.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_2
Contract Ref: 734318	Start: 20.08.19 End: 20.08.19	Ground Level (m AOD): 1.77	National Grid Co-ordinate: E:647212.0 N:264021.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10-0.20	1	B				MADE GROUND: Grass over light orangish brown slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	1.57	0.20	
0.20-1.20	2	B				MADE GROUND: Dark greyish brown slightly gravelly silty fine to coarse SAND. Gravel is subangular to subrounded fine to medium of flint with occasional shell fragments. (MADE GROUND)		(1.00)	
							0.57	1.20	
Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.									

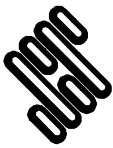
General Remarks

- Services plan was consulted.
- Position scanned with a CAT and Genny prior to excavation.
- Inspection pit hand dug to 1.20m depth.
- Pit remained dry and stable throughout excavation.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_3	
Contract Ref: 734318		Start: 08.10.19 End: 08.10.19	Ground Level (m AOD): 1.91	National Grid Co-ordinate: E:647297.5 N:263970.4	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend		
Depth	No	Type	Results								
0.00-0.10	1	B				MADE GROUND: Dark slightly blackish brown slightly clayey fine SAND with occasional roots and rootlets. (MADE GROUND)	1.81	0.10			
0.10	2	D									
0.10-0.45	3	B						(0.35)			
0.30	4	D									
0.45-0.75	5	B						1.46		0.45	
0.50	6	D								(0.30)	
0.75-0.95	7	B						1.16		0.75	
0.90	8	D						0.96		0.95	
0.95-1.20	9	B									
1.10	10	D						0.71		1.20	
						MADE GROUND: Dark slightly orangish brown slightly gravelly fine to medium SAND with occasional rootlets. Gravel is subangular to subrounded fine to coarse of sandstone and flint. (MADE GROUND)					
						MADE GROUND: Dark slightly greyish brown slightly silty slightly clayey fine to medium SAND. (MADE GROUND)					
						Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.					

General Remarks

1. Services plan was consulted.
2. Hand dug inspection pit to 1.20m depth.
3. Position scanned with a CAT and Genny prior to excavation.
4. Slight groundwater seepage 20 minutes monitor at 1.18m depth.
5. Pit remained stable throughout excavation.

All dimensions in metres

Scale:

1

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_4	
Contract Ref: 734318		Start: 30.10.19 End: 30.10.19	Ground Level (m AOD): 3.12	National Grid Co-ordinate: E:647277.5 N:263909.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.12	1	B			Backfill	MADE GROUND: Dark brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of sandstone and concrete. (MADE GROUND)	3.00	0.12	
0.10	2	D				MADE GROUND: Dark brown slightly gravelly fine SAND. Gravel is angular to subrounded fine to medium of sandstone and concrete. (MADE GROUND)	2.77	0.35	
0.12-0.35	3	B				MADE GROUND: Dark slightly purplish brown slightly sandy GRAVEL. Sand is medium. Gravel is angular to subrounded fine to medium of granite (type 1 aggregate). (MADE GROUND)	2.62	0.50	
0.30	4	D				MADE GROUND: Dark brown slightly gravelly fine SAND. Gravel is angular to subrounded fine to medium of sandstone and flint. (MADE GROUND)		(0.40)	
0.35-0.50	5	B				MADE GROUND: Dark brown slightly gravelly fine SAND. Gravel is angular to subrounded fine to medium of sandstone. (MADE GROUND)	2.22	0.90	
0.50	6	D				MADE GROUND: Dark brown slightly gravelly fine SAND with occasional shell fragments. Gravel is angular to subrounded fine to medium of sandstone and flint. (MADE GROUND)		(0.30)	
0.50-0.90	7	B				Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.	1.92	1.20	
0.60	8	D							
0.90-1.20	9	B							
1.00	10	D							

General Remarks

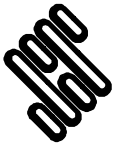
- Services plan was consulted.
- Hand dug inspection pit to 1.20m depth.
- Inspection pit remained dry and stable throughout excavation.

All dimensions in metres

Scale:

1:25

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham	Che By: [REDACTED]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_5
Contract Ref: 734318	Start: 17.10.19 End: 17.10.19	Ground Level (m AOD): 1.86	National Grid Co-ordinate: E:647427.3 N:263978.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend		
Depth	No	Type	Results								
0.00-0.05	1	B				MADE GROUND: Dark brown slightly silty slightly clayey fine to medium SAND with occasional roots and rootlets. (MADE GROUND)	1.81	0.05			
0.05	2	D				MADE GROUND: Dark yellowish brown slightly gravelly slightly clayey fine to medium SAND. Gravel is angular to subrounded fine to medium flint and sandstone. (MADE GROUND)	1.61	0.25			
0.05-0.25	3	B									
0.20	4	D									
0.25-0.46	5	B									
0.30	6	D									
0.46-0.85	7	B									
0.60	8	D								(0.39)	
0.85-1.20	9	B								1.01	0.85
1.00	10	D								0.66	1.20
Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.											

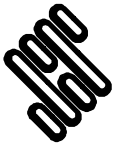
General Remarks

- Services plan was consulted.
- Hand dug inspection pit to 1.20m depth.
- Groundwater strike at 1.10m depth. Dropped to 1.14m depth after 20 minutes.
- Pit remained dry throughout excavation.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham	Check By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_6
Contract Ref: 734318	Start: 27.09.19 End: 27.09.19	Ground Level (m AOD): 1.22	National Grid Co-ordinate: E:647187.7 N:264164.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results							
0.00-0.12	1	B			Backfill	MADE GROUND: Grass over dark brown fine to medium SAND with occasional rootlets. (MADE GROUND)	1.10	0.12		
0.10	2	D				MADE GROUND: Dark slightly yellowish brown slightly gravelly fine SAND with occasional shell fragments and occasional rootlets. Gravel is angular to subrounded fine to medium of sandstone. (MADE GROUND)	0.92	0.30		
0.12-0.30	3	B								
0.30	4	D								
0.30-0.95	5	B								
0.50	6	D								
									(0.65)	
0.95-1.20	7	B				MADE GROUND: Dark slightly yellowish brown slightly silty fine SAND with shell fragments. (MADE GROUND)	0.27	0.95		
1.00	8	D				MADE GROUND: Dark slightly greyish brown slightly gravelly fine to medium SAND. Gravel is angular to subrounded fine to coarse of sandstone with occasional shell fragments. (MADE GROUND)	0.02	1.20		
						Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.				

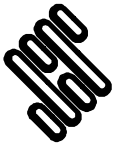
General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Inspection pit remained dry and stable throughout excavation.
4. Hand dug inspection pit to 1.20m depth.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham	Check By:
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STRUCTURAL SOILS

INSPECTION PIT LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_7
Contract Ref: 734318	Start: 20.08.19 End: 20.08.19	Ground Level (m AOD): 1.79	National Grid Co-ordinate: E:647221.1 N:264251.8	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10-0.80	1	B				MADE GROUND: Grass over light yellowish brown slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)		(1.20)	
0.80-1.20	2	B				0.59	1.20		
						Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.			

General Remarks

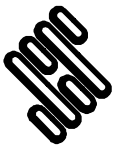
1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Inspection pit hand dug to 1.20m depth.
4. Pit remained dry and stable throughout excavation.

All dimensions in metres

Scale:

1:25

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	Che By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_8	
Contract Ref: 734318	Start: 09.07.19 End: 09.07.19	Ground Level (m AOD): 1.67	National Grid Co-ordinate: E:647292.9 N:264208.0	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results							
0.10	1	D			Water	MADE GROUND: Grass over soft dark brown sandy SILT. Sand is fine to medium. (MADE GROUND)	1.60	0.07	Material Graphic Legend	
				MADE GROUND: Light yellowish brown slightly gravelly SAND. Sand is fine to coarse. Gravel is subangular fine to medium of shells. (MADE GROUND)		1.37	0.30			
0.50	2	D		MADE GROUND: Light brown gravelly silty SAND. Sand is fine to coarse. Gravel is subangular fine to medium of shells. (MADE GROUND)		(0.80)				
				MADE GROUND: Light greyish brown slightly gravelly SAND. Sand is medium to coarse. Gravel is subangular fine to medium of shells. (MADE GROUND)		0.57	1.10			
1.15	3	D				MADE GROUND: Light greyish brown slightly gravelly SAND. Sand is medium to coarse. Gravel is subangular fine to medium of shells. (MADE GROUND)	0.47	1.20		
						Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.				

General Remarks

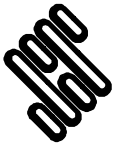
1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Inspection pit hand dug to 1.20m depth
4. Inspection pit remained dry and stable throughout excavation.
5. Self boring Menard pressuremeter test to follow to 85m depth.

All dimensions in metres

Scale:

1:25

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	Check By:
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STRUCTURAL SOILS

INSPECTION PIT LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_9	
Contract Ref: 734318		Start: 13.08.19 End: 13.08.19	Ground Level (m AOD): 1.84	National Grid Co-ordinate: E:647229.9 N:264293.5	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.50	1	B				MADE GROUND: Grass over light orangish brown slightly gravelly fine to medium SAND. Gravel is subrounded fine to medium of flint and quartz. (MADE GROUND)	1.34	0.50	
0.70-1.20	2	B				MADE GROUND: Light yellowish brown slightly gravelly silty fine to coarse SAND. Gravel is subrounded fine to medium of flint and quartz. (MADE GROUND)	0.64	1.20	
Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.									

General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Inspection pit hand dug to 1.20m depth.
4. Pit remained dry and stable throughout excavation.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	Che By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_10
Contract Ref: 734318	Start: 08.07.19 End: 08.07.19	Ground Level (m AOD): 1.96	National Grid Co-ordinate: E:647440.0 N:264192.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10-0.20	1	D			MADE GROUND: Friable light brown slightly gravelly slightly sandy SILT with frequent rootlets. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of flint, brick and concrete. (MADE GROUND)	1.91	0.05		
0.50-0.60	2	D				MADE GROUND: Light orangish to yellowish brown slightly gravelly medium to coarse SAND. Gravel is subangular to subrounded fine to coarse of flint, concrete and shells. (MADE GROUND)	1.66		0.30
1.00-1.10	3	D				MADE GROUND: Light orangish to yellowish brown medium to coarse SAND. (MADE GROUND)			(0.90)
					... 1.10m: becoming mottled light greenish grey.	0.76	1.20		
Inspection pit terminated at 1.20m, Meynard pressuremeter continued to 85.00m									

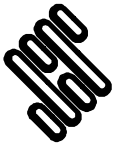
General Remarks

1. Services plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Inspection pit hand dug to 1.20m depth
4. Self boring Menard pressuremeter test to follow to 85m depth.
5. Inspection pit remained dry and stable throughout.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	Check By: [Redacted]
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STRUCTURAL SOILS

INSPECTION PIT LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_11
Contract Ref: 734318	Start: 08.08.19 End: 08.08.19	Ground Level (m AOD): 1.57	National Grid Co-ordinate: E:647232.0 N:264094.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10-0.20	1	B				MADE GROUND: Grass over light orangish brown slightly gravelly silty SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	1.33	0.24	
0.20-1.20	2	B				MADE GROUND: Dark greyish brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of flint. Occasional shell fragments. (MADE GROUND)	(0.96)	1.20	
Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.									

General Remarks

- Services plan was consulted.
- Position scanned with a CAT and Genny prior to excavation.
- Pit remained dry and stable throughout excavation.
- Hand dug inspection pit to 1.20m depth.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: RAndrews	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_12
Contract Ref: 734318	Start: 25.07.19 End: 25.07.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647110.0 N:264090.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.00-0.15	1	B		↓	▨	MADE GROUND: Grass over dark brown slightly silty fine SAND with occasional rootlets. (MADE GROUND)	1.56	0.15	▨
0.10 0.15-0.48	2 3	D B					MADE GROUND: Dark slightly orangish brown slightly clayey fine SAND with occasional shell fragments. (MADE GROUND)		
0.30	4	D				MADE GROUND: Dark slightly greyish brown slightly silty fine SAND with occasional shell fragments. (MADE GROUND)		1.23	
0.48-0.90 0.50	5 6	B D					MADE GROUND: Dark slightly orangish brown slightly clayey fine SAND. (MADE GROUND)		
0.90-1.20	7	B				Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.		0.81	
1.00	8	D						0.51	

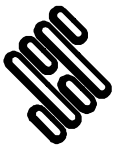
General Remarks

1. Service plan was consulted.
2. Position scanned with a CAT and Genny prior to excavation.
3. Hand dug inspection pit to 1.20m depth.
4. Groundwater strike at 1.10m depth 20 mins. Later no change in th level.
5. Pit remained stable throughout excavation.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham	Che By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_13
Contract Ref: 734318	Start: 24.09.19 End: 24.09.19	Ground Level (m AOD): 3.24	National Grid Co-ordinate: E:647124.1 N:263929.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results							
0.00-0.09	1	B			Backfill	MADE GROUND: Very hard slightly greyish black slightly gravelly TARMAC. Gravel is angular to subrounded fine to coarse of sandstone and dolomite.	3.15	0.09		
0.05	2	D					3.04	0.20		
0.09-0.20	3	B								
0.10	4	D								
0.20-0.39	5	B								
0.30	6	D								
0.39-0.74	7a	B					2.85	0.39		
0.50	8	D						(0.35)		
0.74-0.95	9	B						2.50	0.74	
0.90	10	D						2.29	0.95	
0.95-1.20	11a	B								
1.00	12	D						2.04	1.20	
						MADE GROUND: Yellowish brown slightly gravelly fine to medium SAND with shell fragments. Gravel is angular to subrounded fine of sandstone. (MADE GROUND)				
						MADE GROUND: Yellowish brown slightly silty fine SAND. (MADE GROUND)				
						MADE GROUND: Yellowish to greyish brown fine SAND. (MADE GROUND)				
						Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.				

General Remarks

- Services plan was consulted.
- Pit remained dry and stable throughout excavation.
- Hand dug inspection pit to 1.20m depth.
- Position scanned with a CAT and Genny prior to excavation.

All dimensions in metres

Scale:

1:25

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham	Ch By: [Redacted]
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STRUCTURAL SOILS

INSPECTION PIT LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Inspection Pit: MPM2019_14
Contract Ref: 734318	Start: 23.10.19 End: 23.10.19	Ground Level (m AOD): 6.61	National Grid Co-ordinate: E:647475.7 N:263897.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results							
0.00-0.10	1	B			Backfill	MADE GROUND: Vegetation over dark brown slightly gravelly slightly clayey sandy fine SAND. (MADE GROUND)	6.51	0.10		
0.10	2	D				MADE GROUND: Dark brown slightly gravelly slightly clayey fine SAND with occasional rootlets. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	6.41	0.20		
0.10-0.20	3a	B						(0.35)		
0.20	4	D								
0.20-0.55	5	B						6.06	0.55	
0.40	6	D								
0.55-1.00	7	B								
0.80	8	D							(0.45)	
1.00-1.20	9	B						5.61	1.00	
1.10	10	D						5.41	1.20	
						Inspection pit terminated at 1.20m depth. Continued drilling using cable percussion technique to remove obstruction for the CPTU test.				

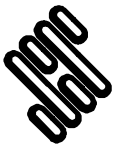
General Remarks

- Services plan was consulted.
- Hand dug inspection pit 1.20m depth.
- Position scanned with a CAT and Genny prior to excavation.
- Pit remained dry and stable throughout excavation.

All dimensions in metres

Scale:

Method Used: Hand dug	Plant Used: Hand tools	Logged By: ADenham	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318		Start: 19.11.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 2 of 34
End: 10.12.19					

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
5.00-6.50 5.00-5.20	101	ES	1xT+2xJ+1xV	100	0	0					4.14		
6.50-8.00				100	0	0				... 6.62-6.80m: slightly gravelly. ... 7.38-7.52m: slightly gravelly.			
8.00-9.50 8.00-8.20	2	ES	1xT+1xJ+1xV	100	0	0				Dark greenish yellow fine to medium SAND with occasional lenses of dark reddish clay (up to 5 x 64mm) and rare coarse sand to fine gravel sized comminuted shells. (SUPERFICIAL DEPOSITS - SAND)	-3.49	7.64	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
04/12/19		66.50	66.50	178	7.90
04/12/19		77.00	77.00	178	2.20
05/12/19		77.00	77.00	178	-
05/12/19		83.00	83.00	178	-
10/12/19		83.00	83.00	178	-
10/12/19		87.50	87.50	178	-

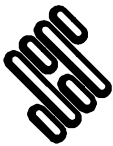
General Remarks

All dimensions in metres		Scale:	
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Method Used: Inspection pit + Sonic Drilling	Plant Used: SDC 390	Drilled By: LMcCullagh	Logged By: EHarman + ADenham
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GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07.
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318		Start: 19.11.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 3 of 34
End: 10.12.19					

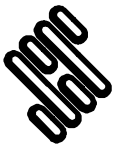
Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
9.50-11.00 9.50-9.70	102	ES	1xT+2xJ+1xV	100	0	0					-5	(4.02)	
				100	0	0				... 10.58-10.66m: thin bed of very soft reddish brown clay.	-6	10	
11.00-12.50				100	0	0					-7	11	
				100	0	0				Dark greenish yellow fine to medium SAND with numerous lenses of grey clay (oxidising reddish brown; up to 6 x 72mm) and rare coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-7.51	11.66	
				100	0	0					-7.95	12	
12.50-14.00				100	0	0				Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells. (mostly coarse sand sized). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-8	12	
				100	0	0					-9	13	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

Method Used: Inspection pit + Sonic Drilling		Plant Used: SDC 390	Drilled By: LMcCullagh	Logged By: EHarman + ADenham	Ch By: [Redacted]
All dimensions in metres			Scale: 1:2		

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 4 of 34	

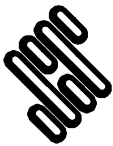
Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
14.00-15.50				100	0	0		[Hatched Pattern]		Firm extremely closely to very closely spaced thick laminations of soft dark orange and dark greenish yellow CLAY. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 13.58-14.78m: frequent coarse sand to fine gravel sized comminuted shells (mostly coarse sand sized).	-9.40	13.55	[Symbol]
											Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells. (mostly coarse sand sized). (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 14.78-14.95m: extremely closely to very closely spaced thick laminations of soft dark orange clay. ... 14.96-15.15m: frequent coarse sand to fine gravel sized comminuted shells. ... 15.37-15.46m: cemented (calcareous). ... 16.06-16.08m: thick laminae of soft grey clay. ... 16.29-16.30m: medium rounded gravel of flint.	-9.85	
15.50-17.00				100	0	0		[Hatched Pattern]		Soft very closely to closely spaced thick laminations of dark orange and brown CLAY. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-10	15	[Symbol]
											Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells. (mostly coarse sand sized). (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 16.66-17.74m: frequent coarse sand to fine gravel sized comminuted shells.	-11	
17.00-18.50				100	0	0		[Hatched Pattern]		Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells. (mostly coarse sand sized). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-12	16	[Symbol]
											Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells. (mostly coarse sand sized). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-12.17	
				100	0	0		[Hatched Pattern]		Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells. (mostly coarse sand sized). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-12.51	16.66	[Symbol]
											Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells. (mostly coarse sand sized). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-13	
				100	0	0		[Hatched Pattern]		Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells. (mostly coarse sand sized). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-13.80	17.95	[Symbol]
												-18	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks			
All dimensions in metres		Scale:	1:
Method Used: Inspection pit + Sonic Drilling	Plant Used: SDC 390	Drilled By: LMcCullagh	Logged By: EHarman + ADenham

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STRUCTURAL SOILS

BOREHOLE LOG

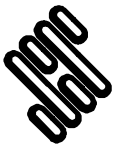
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 5 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
18.50-20.00				100	0	0				Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional lenses of dark greenish grey fine to medium sand at centre of core. Sand oxidising dark orangish yellow. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-14	(0.55)	
20.00-21.50				100	0	0				Dark orangish yellow fine to coarse (mostly fine to medium) SAND with occasional lenses of clay (up to 2 x 7mm) and occasional coarse sand to fine gravel sized comminuted shells (mostly coarse sand sized). Centre of core dark greenish grey. Oxidising dark orangish yellow. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 19.85-20.00m: cemented (calcareous). ... 20.09-20.21m: subvertical lens of soft grey clay with orange oxidised outer edge (up to 12 x 120mm).	-15	19	
21.50-23.00				100	0	0				... 20.95-21.03m: inclined lens of soft grey clay with orange oxidised outer edge (up to 10 x 80mm). ... 21.03-21.05m: lens of soft grey clay with orange oxidised outer edge (up to 20 x 60mm). Grey fine to medium SAND with occasional lenses of clay (up to 5 x 12mm) and rare coarse sand sized comminuted shells. (mostly coarse sand sized). Oxidises dark orangish yellow. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 21.28-21.32m: lens of soft orange clay (up to 15 x 32mm). Grey fine to medium SAND with occasional lenses of clay (up to 5 x 12mm) and rare coarse sand sized comminuted shells. (mostly coarse sand sized). Oxidises dark orangish yellow. Numerous randomly orientated lenses of soft grey clay up to 8 x 40mm. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) Grey fine to medium SAND with occasional lenses of clay (up to 5 x 12mm) and rare coarse sand sized comminuted shells. (mostly coarse sand sized). Oxidises dark orangish yellow. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 22.16-22.21m: very thin bed of soft grey slightly sandy CLAY with orange oxidised outer edge up to 6mm thick. Sand is fine to medium.	-16	20	
											-17	(0.40)	
											-17.35	21.50	
											-17.80	21.95	
											-18	22	
												(0.77)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Inspection pit + Sonic Drilling						Plant Used: SDC 390
All dimensions in metres						Scale:
Drilled By: LMcCullagh		Logged By: EHarman + ADenham				

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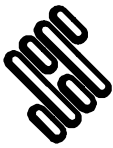
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 6 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
23.00-24.50				100	0	0				<p>... 22.59-22.66m: extremely closely spaced thick laminae to thin beds of soft grey slightly sandy CLAY with orange oxidised outer edges up to 8mm thick. Sand is fine to medium.</p> <p>Grey fine to medium SAND with occasional lenses of clay (up to 5 x 12mm) and occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))</p>	-18.57	22.72	
24.50-26.00				100	0	0				<p>Grey fine to medium SAND with occasional lenses of clay (up to 5 x 12mm) and rare coarse sand sized comminuted shells. (mostly coarse sand sized). Oxidises dark orangish yellow. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))</p> <p>... 24.32-24.50m: becoming grey.</p>	-19 (0.95)	23.67	
26.00-27.50				100	0	0				<p>Grey fine to coarse SAND with numerous coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))</p> <p>... 25.58-25.68m: dark yellow lenses up to 6 x 18mm.</p> <p>... 25.82-26.00m: cemented (calcareous).</p>	-20	24.50	
				100	0	0					-21	25	
				100	0	0					-22	26	
				100	0	0					(4.50)	27	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diamm (mm)	Water Depth	
Method Used: Inspection pit + Sonic Drilling						
Plant Used: SDC 390						
Drilled By: LMcCullagh						
Logged By: EHarman + ADenham						
All dimensions in metres						Scale: 1:

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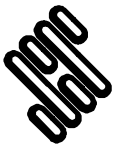
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 7 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
27.50-29.00				100	0	0					-23		
				100	0	0					-24		
29.00-30.50				100	0	0				Grey fine to coarse (mostly fine to medium) SAND with occasional coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-24.85	29.00	
				100	0	0					-25	(0.86)	
				100	0	0				Grey fine to coarse (mostly fine to medium) SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-25.71	29.86	
				100	0	0					-26	(0.57)	
30.50-32.00				100	0	0				Grey fine to coarse (mostly fine to medium) SAND with occasional coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) ... 30.43-30.50m: thin bed of firm dark brownish grey clay.	-26.28	30.43	
				100	0	0					-27		
										... 31.31-31.33m: coarse gravel sized fragment of gastropod shell.			

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Inspection pit + Sonic Drilling						
Plant Used: SDC 390						
Drilled By: LMcCullagh						
Logged By: EHarman + ADenham						
Scale: 1:2						

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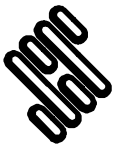


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 8 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
32.00-33.50				100	0	0				... 31.51m: lens of brownish grey clay (up to 8 x 16mm). ... 32.00m: below relatively less coarse sand grains.	(2.27)		
33.50-35.00				100	0	0				Soft extremely closely to very closely spaced thick laminae to thin beds of grey CLAY. (RED CRAG FORMATION (UNDIFFERENTIATED)) Grey fine to coarse (mostly fine to medium) SAND with occasional coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-28.55 32.70 -28.79 32.94		
35.00-36.50				100	0	0				... 34.88-34.90m: extremely closely spaced thick laminations of soft grey clay. Grey fine to coarse SAND with numerous to abundant coarse sand to medium gravel sized comminuted shells. Relatively more dense than the unit above. (RED CRAG FORMATION (UNDIFFERENTIATED))	(1.96) -30 -30.75 34.90		
				85	0	0					(1.38)		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Inspection pit + Sonic Drilling Plant Used: SDC 390						All dimensions in metres Scale: 1:25
Drilled By: LMcCullagh		Logged By: EHarman + ADenham		Check By: [Redacted]		

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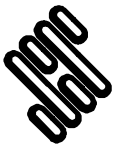
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 9 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
36.50-38.00				85	0	0		[Hatched Pattern]		... 36.25m: coarse gravel sized subrounded medium strong greyish brown claystone.	-32	36.28	AZCL
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-32.35	36.50	
38.00-39.50				82	0	0		[Hatched Pattern]		Grey fine to coarse SAND with numerous to abundant coarse sand to medium gravel sized comminuted shells. Relatively more dense than the unit above. (RED CRAG FORMATION (UNDIFFERENTIATED))	37	(1.23)	AZCL
										... 37.20-37.22m: whole gastropod shell (22 x 11 x 9mm)	-33	37.73	
39.50-41.00				100	0	0		[Hatched Pattern]		Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-33.58	37.73	AZCL
										Grey fine to coarse SAND with numerous to abundant coarse sand to medium gravel sized comminuted shells. Relatively more dense than the unit above. (RED CRAG FORMATION (UNDIFFERENTIATED))	-33.85	38.00	
39.50-41.00				100	0	0		[Hatched Pattern]		... 39.50-40.70m: mottled black with organic material.	39	(3.14)	AZCL
											-34	40	
											-35		
											-36		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
						All dimensions in metres
Method Used:	Inspection pit + Sonic Drilling		Plant Used:	SDC 390		Drilled By: LMccullagh
						Logged By: EHarman + ADenham

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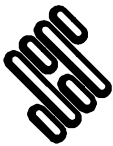
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318		Start: 19.11.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 10 of 34
End: 10.12.19					

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
41.00-42.50				100	0	0				Grey fine to coarse SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	36.99	41.14	
42.50-44.00				100	0	0					42		
44.00-45.50				100	0	0					43		
				83	0	0					39 (4.11)	44	
										... 43.84-43.86m: frequent lenses of very stiff grey clay (up to 9 x 13mm)	40		
										... 44.14-44.23m: slightly clayey.			

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Inspection pit + Sonic Drilling						
Plant Used: SDC 390						
Drilled By: LMcCullagh						
Logged By: EHarman + ADenham						
All dimensions in metres						Scale: 1:

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 11 of 34	

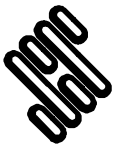
Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
45.50-47.00				83	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-41.10	45.25	AZCL
				93	0	0				Grey fine to coarse SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-41.35	45.50	
47.00-48.50				100	0	0				... 46.90-47.00m: Assumed zone of core loss	-42		
				100	0	0				... 47.62-47.64m: mottled black with organic material.	-43	(3.78)	
48.50-50.00				100	0	0				... 49.18-49.28m: frequent black coarse rounded gravel of flint (possibly RED CRAG FORMATION BASAL BED)	-44		
				100	0	0				Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic silty CLAY with	-45	49.28	

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:** XXXXXXXXXX

Method Used: Inspection pit + Sonic Drilling	Plant Used: SDC 390	Drilled By: LMcCullagh	Logged By: EHarman + ADenham	C XXXXXXXXXX
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 12 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
50.00-51.50				100	0	0				medium spaced very thin beds of very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) ... 49.43-49.49m: flaser of grey fine to coarse SAND (60 x 93mm). ... 49.59-49.64m: very stiff dark grey volcaniclastic silt/clay. ... 49.83-49.85m: very stiff dark grey bioturbated volcaniclastic silt/clay. Burrows are subhorizontal up to 2 x 6mm infilled with dark grey silt.	-45.85	50.00	
										Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic slightly silty CLAY with medium spaced very thin beds of very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) ... 50.18m: lens of lignitic debris (<1 x 94mm). ... 50.30-50.31m: pyritised lignitic debris.	-46	(0.40)	
				100	0	0				Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic silty CLAY with medium spaced very thin beds of very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) ... 50.80-50.86m: locally spotted dark green with glauconite.	-46.25	50.40	
51.50-53.00										... 51.37-51.40m: very stiff dark grey bioturbated volcaniclastic silt/clay. Burrows are subhorizontal up to 1 x 13mm infilled with light grey silt. ... 51.47-51.50m: very stiff dark grey volcaniclastic silt/clay. ... 51.53-51.59m: very stiff dark grey volcaniclastic silt/clay. ... 51.66-51.70m: very stiff dark grey volcaniclastic silt/clay.	-51	(1.38)	
				100	0	0				Very strong dark bluish grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)	-47.63	51.78	
										Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic silty CLAY with widely spaced thick laminae to thin beds of very stiff volcaniclastic silt/clay or strong siltstone/claystone. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) ... 51.99-52.00m: very stiff dark grey bioturbated volcaniclastic silt/clay. Burrows are subhorizontal up to <1 x 4mm infilled with light grey silt. ... 52.14-52.30m: relatively more silty and greyish brown (disseminated ash). ... 52.44-52.47m: very stiff dark grey volcaniclastic silt/clay.	-47.68	51.83	
53.00-54.50										... 53.25-53.28m: coarse gravel sized subangular medium strong greyish brown claystone. ... 53.25-53.65m: disturbed by drilling. ... 53.42-53.50m: dark grey volcaniclastic gravelly CLAY. Gravel is strong dark grey siltstone/claystone.	-48		
				100	0	0				Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic gravelly silty CLAY with a low cobble content. Fissures are randomly orientated planar smooth polished or matt. Gravel is subangular fine to	-49	53	
											-49.54	53.69	
											-49.72	53.87	

Boring Progress and Water Observations

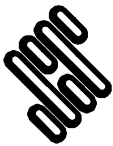
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres		Scale:
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Method Used: Inspection pit + Sonic Drilling	Plant Used: SDC 390	Drilled By: LMcCullagh	Logged By: EHarman + ADenham
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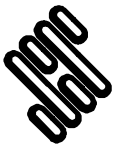
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 13 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
54.50-56.00				100	0	0				coarse of limestone. Cobbles are subrounded very strong dark bluish grey argillaceous limestone. (HARWICH FORMATION, WRABNESS MEMBER) Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic silty CLAY with medium spaced very thin beds of very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar smooth polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) . . . 54.04-54.50m: disturbed by drilling. . . . 54.77-54.83m: very stiff dark grey volcaniclastic silt/clay. . . . 54.96-55.00m: very stiff dark grey volcaniclastic silt/clay.	-50	(1.40)	
56.00-57.50				100	0	0				Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic gravelly very silty CLAY with a low cobble content. Fissures are randomly orientated planar smooth polished or matt. Gravel is subangular fine to coarse of limestone. Cobbles are subrounded very strong dark bluish grey argillaceous limestone. (HARWICH FORMATION, WRABNESS MEMBER) Very stiff extremely closely to very closely fissured locally thinly laminated dark brown micaceous glauconitic gravelly silty CLAY with a low cobble content. Fissures are randomly orientated planar smooth polished or matt. Gravel is subangular fine to coarse of limestone. Cobbles are subrounded very strong dark bluish grey argillaceous limestone. (HARWICH FORMATION, WRABNESS MEMBER) . . . 55.62-55.64m: very stiff dark grey volcaniclastic silt/clay. . . . 55.98-56.00m: very stiff dark grey volcaniclastic silt/clay. . . . 56.09-56.12m: very stiff dark grey volcaniclastic silt/clay. . . . 56.18-56.20m: very stiff dark grey bioturbated volcaniclastic silt/clay. Burrows are subhorizontal up to <1 x 2mm infilled with light grey silt. . . . 56.84-56.87m: very stiff dark grey volcaniclastic silt/clay.	-51 -51.12 -55.27	(0.30)	
57.50-59.00				100	0	0				Very strong dark bluish grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND) Very stiff extremely closely to very closely fissured locally thinly laminated dark brown slightly bioturbated micaceous glauconitic silty CLAY with frequent lenses of fine sand (up to 3 x 8mm) and with closely spaced very thin beds of very stiff volcaniclastic silt/clay (within top 300mm). Fissures are randomly orientated planar smooth polished or matt. Burrows are randomly orientated up to <1 x 6mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER) . . . 57.61-57.63m: very stiff dark grey volcaniclastic silt/clay. . . . 57.69-57.75m: very stiff dark grey volcaniclastic silt/clay. . . . 57.92-57.98m: very stiff dark grey bioturbated volcaniclastic silt/clay. Burrows are subhorizontal up to <1 x 3mm infilled with light grey silt.	-52 -53 -53.12 -57.27	(1.70)	

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Boring Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth		
Method Used: Inspection pit + Sonic Drilling						Plant Used: SDC 390	All dimensions in metres Scale: [REDACTED]
			Drilled By: LMcCullagh		Logged By: EHarman + ADenham		



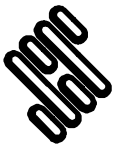
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 14 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
59.00-60.50				100	0	0				... 59.00-60.36m: relatively less silty.	-55	(2.90)	
				95	0	0				... 60.07m: pyritised lignitic debris.	-56	60	
60.50-62.00				87	0	0				Very stiff extremely closely to very closely fissured thinly laminated dark brown bioturbated micaceous glauconitic CLAY with occasional lenses of silt (up to 4 x 12mm). Fissures are randomly orientated planar smooth polished or matt. Burrows are randomly orientated up to <1 x 4mm infilled with light grey silt. (HARWICH FORMATION, ORWELL MEMBER) ... 60.43-60.50m: Assumed zone of core loss. ... 60.49m: lignitic debris.	-56.21	60.36	
				87	0	0				... 61.73-61.75m: framboidal pyrite nodule. ... 61.87-62.00m: Assumed zone of core loss.	-57	(1.64)	
62.00-63.50				100	0	0				Stiff dark brown locally mottled black slightly sandy glauconitic SILT. Sand is fine. (HARWICH FORMATION, ORWELL MEMBER)	-57.85	62.00	
				100	0	0				Stiff dark yellow spotted bluish grey SILT with occasional lenses of greyish yellow calcrete (up to 5 x 13mm). (READING FORMATION)	-58	(0.57)	
				100	0	0					-58.42	62.57	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks	
All dimensions in metres	
Scale:	
Method Used: Inspection pit + Sonic Drilling	Plant Used: SDC 390
Drilled By: LMcCullagh	Logged By: EHarman + ADenham

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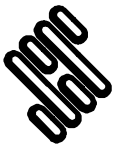
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 16 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
68.00-69.50				80	0	0		[Hatched pattern]		Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-63.56	67.71	[Dotted pattern]
										Firm dark brown mottled black slightly sandy clayey SILT. Sand is fine. (READING FORMATION)	-63.85	68.00	[Cross-hatch pattern]
69.50-71.00				100	0	0		[Hatched pattern]		Very stiff dark brown silty CLAY with frequent lenses of fine sand (up to 3 x 6mm). (READING FORMATION)	-65.08	69.23	[Cross-hatch pattern]
										Dark greyish brown fine to medium SAND. (READING FORMATION) ... 69.67-69.78m: clayey SAND.	-65.35	69.50	[Dotted pattern]
71.00-72.50				100	0	0		[Hatched pattern]		Very stiff extremely closely to very closely fissured thinly laminated dark brown streaked black CLAY with extremely closely to very closely spaced partings of light grey calcareous silt. (READING FORMATION)	-65.79	69.94	[Cross-hatch pattern]
										Very stiff dark brown mottled dark bluish grey and black CLAY with frequent lenses of greyish yellow calcrete (up to 52 x 48mm) and frequent lenses of black organic material (up to 12 x 84mm). (READING FORMATION)	-66.85	71.00	[Cross-hatch pattern]

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks	
All dimensions in metres	
Scale:	
Method Used: Inspection pit + Sonic Drilling	Plant Used: SDC 390
Drilled By: LMcCullagh	Logged By: EHarman + ADenham

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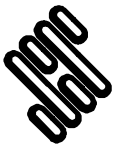


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 17 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
72.50-74.00				100	0	0				Very stiff dark brown mottled dark bluish grey and black CLAY with frequent lenses of greyish yellow calccrete (up to 52 x 48mm) and frequent lenses of dark yellow organic material (up to 12 x 84mm). (READING FORMATION)	-67.90	72.05	
											-68		
											-68.77	72.92	
				100	0	0				Very stiff dark brown mottled dark bluish grey and black silty CLAY with frequent lenses of greyish yellow calccrete (up to 52 x 48mm) and frequent lenses of black organic material (up to 12 x 84mm). (READING FORMATION)	-69	(0.52)	
											-69.29	73.44	
										Very stiff bluish grey mottled dark yellow and red (ferricrete) SILT. (READING FORMATION)		(0.56)	
74.00-75.50											-69.85	74.00	
				95	0	0						(1.50)	
											-70		
											-71		
75.50-77.00										... 75.40m: lens of brown fine sand (5 x 39mm). ... 75.42-75.50m: Assumed zone of core loss.	-71.35	75.50	
				100	0	0				Very stiff extremely closely to closely fissured thinly laminated dark brown bioturbated glauconitic CLAY. with occasional tubular agglutinated foraminifera (<1 x 1mm). Fissures are randomly orientated planar smooth or rough matt or polished. Burrows are randomly orientated up to 2 x 13mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		76	
											-72		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Inspection pit + Sonic Drilling						All dimensions in metres
Plant Used: SDC 390						
Drilled By: LMcCullagh			Logged By: EHarman			Scale:

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 18 of 34	

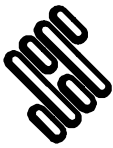
Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
77.00-78.50				100	0	0				... 77.04-77.05m: green lens of glauconite (11 x19mm).	-73	77	
				100	0	0					(4.58)	78	
78.50-80.00										... 78.50-78.90m: disturbed by drilling.	-74	79	
				97	0	0					-75	80	
80.00-81.50										Very stiff extremely closely to closely fissured locally thinly laminated dark brown spotted dark green bioturbated glauconitic silty CLAY. Fissures are randomly orientated planar smooth or rough matt or polished. Burrows are randomly orientated up to <1 x 6mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)	-76	80.08	
				100	0	0					(1.42)	81	

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale:

Method Used: Inspection pit + Sonic Drilling	Plant Used: SDC 390	Drilled By: LMcCullagh	Logged By: EHarma ADenha
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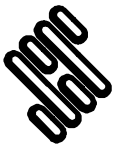
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 19 of 34	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
81.50-83.00				100	0	0				<p>Very stiff extremely closely to closely fissured locally thinly laminated dark brown spotted dark green bioturbated glauconitic slightly silty CLAY. Fissures are randomly orientated planar smooth or rough matt or polished. Burrows are randomly orientated up to <1 x 6mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)</p> <p>... 83.00-83.15m: disturbed by drilling.</p> <p>... 83.88-84.50m: mottled dark green with glauconite.</p> <p>... 84.41-84.50m: Assumed zone of core loss.</p> <p>Very stiff extremely closely to closely fissured locally thinly laminated reddish brown bioturbated glauconitic silty CLAY. (Relatively less silty than unit above). Fissures are randomly orientated planar smooth or rough matt or polished. Burrows are randomly orientated up to <1 x 7mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)</p>	-77	81.50	
				100	0	0					-78	82	
83.00-84.50				94	0	0					-79	(3.00) 83	
				100	0	0					-80	84	
84.50-86.00				100	0	0				-80.35	84.50		
										-81	(1.02) 85		

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Boring Progress and Water Observations						General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth			
Method Used: Inspection pit + Sonic Drilling						Plant Used: SDC 390	Drilled By: LMcCullagh	Logged By: EHarman + ADenham
All dimensions in metres						Scale:		



Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1	
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 20 of 34	

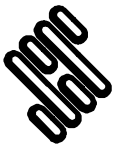
Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
86.00-87.50				100	0	0		[Hatched pattern]		Very stiff dark green gravelly glauconitic CLAY with a low cobble content. Gravel is subangular to rounded fine to coarse of flint. Cobbles are subrounded of flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1) . . . 85.79-85.85m: partly chalk and gravelly glauconitic CLAY (transitional boundary?). Recovered as structureless CHALK composed of white slightly sandy slightly gravelly SILT. Gravel is subangular very weak medium density white with rare black specks. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade Dm) . . . 86.11-86.31m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. . . . 87.32-87.38m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 87.45-87.50m: frequent phosphatised shell fragments (up to 2 x 8 x 10mm). Borehole terminated at 87.50m depth.	81.37	85.52	(0.33)
				100	0	0							

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale:

Method Used: Inspection pit + Sonic Drilling	Plant Used: SDC 390	Drilled By: LMcCullagh	Logged By: EHarman ADenham
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 21 of 34

SD2019_1 1.20m - 3.50m depth.



SD2019_1 3.50m - 6.50m depth.

Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman ADenham
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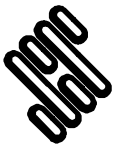
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 22 of 34

SD2019_1 6.50m - 9.50m depth.



SD2019_1 9.50m - 12.50m depth.

Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman ADenha
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 23 of 34

SD2019_1 12.50m - 15.50m depth.



SD2019_1 15.50m - 18.50m depth.

Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarm ADent
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Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 24 of 34

SD2019_1 18.50m - 21.50m depth.



SD2019_1 21.50m - 24.50m depth.

Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 25 of 34

SD2019_1 24.50m - 27.50m depth.



SD2019_1 27.50m - 30.50m depth.

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Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarm ADenh
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 26 of 34

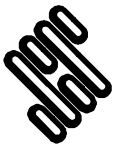
SD2019_1 30.50m - 33.50m depth.



SD2019_1 33.50m - 36.50m depth.

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Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman ADenham
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 27 of 34

SD2019_1 36.50m - 39.50m depth.



SD2019_1 39.50m - 42.50m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
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Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham	Checked By:	[Redacted]
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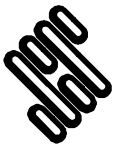
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 28 of 34

SD2019_1 42.50m - 45.50m depth.



SD2019_1 45.50m - 48.50m depth.

Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 29 of 34

SD2019_1 48.50m - 51.50m depth.



SD2019_1 51.50m - 54.50m depth.

Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 30 of 34

SD2019_1 54.50m - 57.50m depth.



SD2019_1 57.50m - 60.50m depth.

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Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 31 of 34

SD2019_1 60.50m - 63.50m depth.



SD2019_1 63.50m - 66.50m depth.

Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 32 of 34

SD2019_1 66.50m - 69.50m depth.



SD2019_1 72.50m - 75.50m depth.

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Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 33 of 34

SD2019_1 75.50m - 78.50m depth.



SD2019_1 78.50m - 81.50m depth.

Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_1
Contract Ref: 734318	Start: 19.11.19 End: 10.12.19	Ground Level (m AOD): 4.15	National Grid Co-ordinate: E:647587.1 N:263980.2	Sheet: 34 of 34

SD2019_1 81.50m - 84.50m depth.



SD2019_1 84.50m - 87.50m depth.

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Method Used:	Inspection pit + Sonic Drilling	Plant Used:	SDC 390	Drilled By:	LMcCullagh	Logged By:	EHarman + ADenham	Checked By:	[Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 2 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
5.00-6.50				82	0	0		90% Polymer-Mud (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-1.47	-4.72	
											Light brown very gravelly SAND with occasional coarse sand to fine gravel sized comminuted shells. Gravel is subangular to well rounded fine to coarse flint and quartzite. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL) ... 5.00-5.65m: brown.		-1.75	5.00	AZCL
				100	0	0					Brown sandy subangular to well rounded fine to coarse GRAVEL of flint and quartzite. Sand is fine to coarse. Rare coarse sand to fine gravel sized comminuted shells. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL)		-2.40	5.65	
											Brown slightly sandy subangular to well rounded fine to coarse GRAVEL of flint and quartzite. Rare coarse sand to fine gravel sized comminuted shells. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL)		-2.64	5.89	
6.50-8.00								80% Polymer-Mud (Grey)			Grey slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of quartzite. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL) ... 6.56-6.64m: very gravelly.		-3.25	6.50	
				100	0	0					Very soft dark grey CLAY with occasional to frequent pockets of pseudo-fibrous peat up to 60 x 3mm and occasional lignitic debris. Strong organic odour. (SUPERFICIAL DEPOSITS - CLAY) ... 7.00-7.01m: thin laminae of grey fine to medium sand. ... 7.25-7.33m: thin bed of firm pseudo-fibrous blackish brown peat.		-3.51	6.76	
											... 7.91-8.00m: thin bed of firm pseudo-fibrous blackish brown peat.		-4.75	8.00	
8.00-9.50											Very soft blackish brown slightly gravelly peaty CLAY. Gravel is subangular to subrounded fine to coarse flint. (SUPERFICIAL DEPOSITS - CLAY) Very soft locally laminated dark grey CLAY with occasional to frequent pockets of pseudo-fibrous peat up to 8 x 52mm. (SUPERFICIAL DEPOSITS - CLAY)		-4.98	8.23	

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
18/11/19	08:00	38.00	38.00	178	2.10
18/11/19	16:30	48.50	48.50	178	0.00
22/11/19	07:30	48.50	48.50	178	-
23/11/19	08:00	1.20	None	200	Dry
23/11/19	16:00	39.00	39.00	200	6.40
24/11/19	08:00	39.00	39.00	200	2.10
24/11/19	16:00	48.65	48.65	200	1.30
25/11/19	08:00	48.65	48.65	200	0.40

7. Borehole grouted after completion.	
8. No flush return recorded by the driller between 77.70m - 85.00m.	
All dimensions in metres	Scale: 1:25

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 3 of 37	
End: 02.12.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
9.20-9.50	2	ES	1xT+1xJ+1xV	100	0	0		60% Polymer-Mud (Grey)			... 8.98m: frequent pockets of peat.		-6			
9.50-11.00													... 9.76-9.77m: shell fragments. ... 9.92-10.03m: thinly laminated.			(3.16)
10.60-11.00	102	ES	1xT+2xJ+1xV	100	0	0		60% Polymer-Mud (Grey)			... 10.44-10.53m: thinly laminated.		-7			
11.00-12.50													Firm locally fibrous black PEAT. (SUPERFICIAL DEPOSITS - PEAT)		-8.14	11.39
12.10-12.50	103	ES	1xT+2xJ+1xV	100	0	0		60% Polymer-Mud (Grey)					-9	12		
12.50-14.00 12.50-12.80	3	ES	1xT+1xJ+1xV	100	0	0							Grey fine to medium SAND with rare to occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-9.59	12.84
13.30-13.60	4	ES	1xT+1xJ+1xV	100	0	0							-10	(1.16)		

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
25/11/19	16:00	55.20	55.20	200	0.30
26/11/19	08:00	55.20	55.20	200	0.40
26/11/19	16:00	77.70	77.70	200	0.30
28/11/19	07:30	85.00	85.00	200	1.20
28/11/19	16:00	91.30	91.30	200	0.00
02/12/19	12:00	91.30	48.65	200	0.00
02/12/19	16:00	91.30	48.65	200	0.00

All dimensions in metres		Scale: 1:25
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Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 4 of 37	

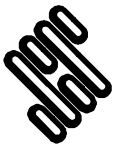
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
13.60-14.00	104	ES	1xT+2xJ+1xV	100	0	0									
14.00-15.50				100	0	0		60% Polymer-Mud (Grey)			Grey brown oxidised fine to medium SAND with rare to occasional coarse sand. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 14.14m: well rounded fine gravel of flint.		-10.75	14.00	(0.33)
				100	0	0					Grey fine to medium SAND with rare to occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 14.68-14.69m: subrounded coarse gravel of flint.		-11.08	14.33	
15.50-17.00				100	0	0					... 15.09-15.18m: thin bed of frequent coarse sand to fine gravel sized comminuted shells.		-12		
				100	0	0		60% Polymer-Mud (Grey)			... 16.82-16.94m: thin bed of fine to coarse sand.		-13		
17.00-18.50				100	0	0							-14	17	(5.63)

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 5 of 37	
End: 02.12.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
18.50-20.00				100	0	0					... 18.24m: thin laminae of grey clay ... 18.25m: thin laminae of grey clay ... 18.30-18.36m: extremely closely spaced thin laminae of grey clay. ... 18.45-18.50m: very thin bed of fine to coarse sand.		-15		
20.00-21.50				100	0	0		50% Polymer-Mud (Grey)			Grey fine to medium SAND (mostly fine to medium) with occasional coarse sand to fine gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		-16	19.96	
21.50-23.00				100	0	0		50% Polymer-Mud (Grey)			... 21.47-21.50m: very thin bed of brown clay. ... 21.60-21.76m: medium bed of abundant shells. ... 21.69-21.70m: flaser of grey clay 11 x 10mm ... 21.79-21.99m: extremely closely spaced thin to thick laminae of greyish brown clay. ... 22.13-22.17m: flaser of greyish brown clay up to 40 x 52mm. ... 22.19-22.20m: thick lamina of greyish brown clay.		-17	21	
				100	0	0							-18	(3.22)	
				100	0	0							-19	22	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: XXXXXXXXXX
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 6 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
23.00-24.50				100	0	0		50% Polymer-Mud (Grey)	[Hatched Pattern]		Grey fine to coarse SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		19.93	23.18	
				100	0	0							... 24.10-26.59m: numerous coarse sand to medium gravel sized comminuted shells. ... 24.31-24.38m: thin bed of rare comminuted shells		
24.50-26.00				100	0	0		80% Polymer-Mud (Grey)	[Hatched Pattern]						
				100	0	0							... 26.49-26.51m: flaser of greyish brown clay up to 21 x 12mm. Grey fine to coarse (mostly fine to medium) SAND with occasional coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		
26.00-27.50				66	0	0									

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By:
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 8 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
32.00-33.50				100	0	0		80% Polymer-Mud (Grey)			... 31.44-31.56m: extremely closely spaced thin to thick laminae of greyish brown clay. ... 32.24m: subangular medium gravel of very weak greyish brown mudstone.		-29 (3.11)	32	
33.50-35.00				100	0	0		80% Polymer-Mud (Grey)			... 33.42-33.44m: thick lamina of greyish brown clay. ... 33.45-33.46m: thick lamina of greyish brown clay.		-30	33	
35.00-36.50				95	0	0		80% Polymer-Mud (Grey)			Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) ... 34.93-35.00m: Assumed zone of core loss.		-30.63 33.88	34	
				97	0	0							-31	35	
													-32	36	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By:
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 9 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend		
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)										
36.50-38.00				97	0	0		80% Polymer-Mud (Grey)					-33	(5.37)			
				100	0	0								-34			
38.00-39.50				84	0	0									-35		
				37	0	0				90% Polymer-Mud (Grey)					-36.00	39.25	AZCL
39.50-41.00														-36.25	39.50		
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)						
											Partial recovery (37%). Recovered as grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))						
														40	PR / AZCL		
														-37	(1.50)		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: XXXXXXXXXX
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 10 of 37	

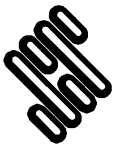
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend		
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)										
41.00-42.50				37	0	0		90% Polymer-Mud (Grey)			Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-37.75	41.00			
												Grey fine to coarse SAND with numerous comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) ... 41.64-41.67m: flaser of greyish brown clay up to 15 x 30mm. ... 41.90-41.92m: flaser of greyish brown clay up to 8 x 21mm. ... 42.16-42.17m: thin laminae of grey brown clay.		-38.26		41.51	
42.50-44.00				100	0	0						... 42.64-42.77m: frequent flasers of greyish brown clay up to 14 x 17mm ... 42.99-43.01m: flaser of greyish brown clay 21 x 5mm ... 43.07-43.08m: thin lamina of greyish brown clay.		-39		(1.92)	
				100	0	0						Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-40		43	
44.00-45.50				100	0	0		90% Polymer-Mud (Grey)			Grey fine to coarse (mostly fine to coarse) SAND with rare to occasional coarse sand to fine gravel sized comminuted shells. Fining down sequence. (RED CRAG FORMATION (UNDIFFERENTIATED))		-40.18	43.43			
													-40.75	44.00			
													-41				

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By:
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 11 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend		
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)										
45.50-47.00				100	0	0		90% Polymer-Mud (Grey)			... 45.41-45.50m: cemented.		-42				
				100	0	0							... 46.04-46.05m: flaser of greyish brown clay 11 x 8mm.		-43	(4.06)	
47.00-48.50				100	0	0							... 46.65-46.67m: flaser of greyish brown clay 21 x 21mm.		-44	47	
				100	0	0									-45	48	
48.50-49.20				100	0	0					90% Polymer-Mud (Grey)			Very stiff extremely closely fissured greyish brown bioturbated slightly glauconitic micaceous silty CLAY with medium spaced thick laminae to thin beds of very stiff volcanoclastic silt/clay or very weak volcanoclastic siltstone. Fissures are randomly orientated planar rough smooth matt or polished. Burrows are subhorizontal up to 3 x 11mm infilled with grey silt. (HARWICH FORMATION, WRABNESS MEMBER) ... 48.50m: 800mm Rotary overdrill up to 48.50m. ... 48.65-48.68m: very stiff dark grey volcanoclastic silt. Bottom 2mm bioturbated. Burrows are subhorizontal up to 1 x 1mm infilled with grey silt. ... 48.77-48.79m: extremely weak dark grey volcanoclastic siltstone. ... 48.95-49.05m: very weak dark grey volcanoclastic siltstone. ... 49.16-49.17m: very weak dark grey volcanoclastic siltstone.		-45	48
49.20-50.70				100	0	0		100% Polymer-Mud (Grey)			Very strong dark bluish grey argillaceous LIMESTONE.		-45.95	49.20			
													-46.02	49.27			

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Sonic Drilling + Rotary Cored						
Plant Used: SDC 390 + Comacchio Geo 602						
Drilled By: LMcCullagh + TBrookes						
Logged By: HJones + ADenham						
Checked By: [Redacted]						
All dimensions in metres						Scale: 1:25

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 12 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
50.70-52.20				100	0	0		100% Polymer-Mud (Grey)			(HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND) Very stiff extremely closely to very closely fissured locally laminated greyish brown bioturbated glauconitic micaceous silty CLAY with medium spaced very thin beds of very stiff volcanoclastic silt/clay or very weak volcanoclastic siltstone. Fissures are randomly orientated planar rough smooth matt or polished. Burrows are subhorizontal up to 1 x 7m infilled with grey silt. (HARWICH FORMATION, WRABNESS MEMBER) ... 49.42-49.44m: very stiff dark grey bioturbated volcanoclastic silt. Burrows are subhorizontal up to 3 x 1mm infilled with light grey silt. ... 49.55-49.58m: very stiff dark grey bioturbated volcanoclastic silt. Burrows are subhorizontal up to 1 x 7mm infilled with light grey silt. ... 49.86-49.90m: very weak dark grey volcanoclastic siltstone. ... 49.95-49.97m: very stiff dark grey bioturbated volcanoclastic silt. Burrows are subhorizontal up to 1 x 1mm infilled with light grey silt. ... 50.05-50.36m: relatively less silty.		-47	(1.46)	
52.20-53.70				13	0	0		100% Polymer-Mud (Grey)			Minimal recovery (13%). Recovered as very strong dark grey argillaceous LIMESTONE (100mm) overlying very strong dark bluish grey argillaceous LIMESTONE (120mm). (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-48	(1.47)	MR / AZCL
53.70-55.20				100	0	0		100% Polymer-Mud (Grey)			Very stiff extremely closely to very closely fissured locally thinly laminated greyish brown bioturbated glauconitic micaceous silty CLAY with medium spaced very thin to thin beds of very stiff volcanoclastic silt/clay or very weak volcanoclastic siltstone. Fissures are randomly orientated planar rough smooth matt polished or striated. Burrows are subhorizontal up to 5 x 28m infilled with grey and dark grey silt. (HARWICH FORMATION, WRABNESS MEMBER) ... 52.61-52.70m: very weak dark grey volcanoclastic siltstone. Top 10mm bioturbated. Burrows are 3 x 2mm infilled with light grey silt. ... 53.07-53.09m: very stiff dark grey bioturbated volcanoclastic silt. Burrows are subhorizontal up to 2 x 1mm infilled with light grey silt. Very stiff extremely closely to very closely fissured locally thinly laminated greyish brown bioturbated glauconitic micaceous silty CLAY with medium spaced very thin to thin beds of very stiff volcanoclastic silt/clay or very weak volcanoclastic siltstone. Fissures are 88° planar smooth and matt. (HARWICH FORMATION, WRABNESS MEMBER) Very stiff extremely closely to very closely fissured locally thinly laminated greyish brown bioturbated glauconitic micaceous silty CLAY with medium		-49	(0.98)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: XXXXXXXXXX
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 13 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
55.20-56.70				100	0	0		100% Polymer-Mud (Grey)			<p>spaced very thin to thin beds of very stiff volcaniclastic silt/clay or very weak volcaniclastic siltstone. Fissures are randomly orientated planar rough smooth matt polished or striated. Burrows are subhorizontal up to 5 x 28mm infilled with grey and dark grey silt. (HARWICH FORMATION, WRABNESS MEMBER)</p> <p>... 53.52-53.55m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 3 x 2mm infilled with light grey silt.</p> <p>... 54.09-54.10m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 1 x 1m infilled with light grey silt.</p> <p>... 54.45-54.47m: very stiff dark grey volcaniclastic silt.</p> <p>Extremely strong dark grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)</p> <p>Very stiff very closely fissured greyish brown bioturbated glauconitic micaceous silty CLAY with medium spaced very thin beds of very stiff volcaniclastic silt/clay. Fissures are randomly orientated planar rough smooth matt or polished. Burrows are subhorizontal up to 4 x 54 infilled with grey silt. (Last unit more silty) (HARWICH FORMATION, ORWELL MEMBER)</p> <p>... 54.92m: lignitic debris.</p> <p>... 55.54-55.58m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 4 x 2mm infilled with light grey silt.</p> <p>... 55.62-55.65m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 4 x 11mm infilled with light grey silt.</p> <p>... 55.-55.78m: very stiff dark grey volcaniclastic silt.</p> <p>Very stiff extremely closely fissured thinly laminated greyish brown bioturbated glauconitic micaceous CLAY with frequent partings of light grey silt and occasional lenses of light grey silt. Fissures are randomly orientated planar rough smooth matt, polished or striated. Burrows are subhorizontal up to 11 x 32 infilled with grey silt. (HARWICH FORMATION, ORWELL MEMBER)</p> <p>... 57.02m: pyritised lignitic debris 11 x 52mm.</p> <p>... 57.37-57.40m: very stiff dark grey bioturbated volcaniclastic silt. Burrows are subhorizontal up to 2 x 6mm infilled with light grey silt.</p>				
56.70-58.20				100	0	0		100% Polymer-Mud (Grey)							
58.20-59.70				100	0	0		100% Polymer-Mud (Grey)							

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Sonic Drilling + Rotary Cored						
Plant Used: SDC 390 + Comacchio Geo 602						
Drilled By: LMcCullagh + TBrookes						
Logged By: HJones + ADenham						
Checked By: [Redacted]						
All dimensions in metres						Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318		Start: 15.11.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 14 of 37
End: 02.12.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
59.70-61.20				100	0	0		100% Polymer-Mud (Grey)			... 59.38-59.39m: pyritised lignitic debris 8 x 32mm ... 59.68-59.86m: relatively more silty.		-56	59	
61.20-62.70				100	0	0		100% Polymer-Mud (Grey)			Firm dark grey slightly sandy micaceous SILT. (HARWICH FORMATION, ORWELL MEMBER) ... 60.06-60.08m: pyritised lignitic debris 11 x 52mm ... 60.73-60.77m: flaser of grey clay up to 65 x 40mm. Greyish brown fine to medium SAND. (READING FORMATION) ... 61.20-61.39m: Assumed zone of core loss.		-57 (0.91)	60	
62.70-64.20				87	0	0		100% Polymer-Mud (Grey)			Very stiff light bluish grey mottled brown CLAY (READING FORMATION) ... 61.69-61.71m: lignitic debris up to 22 x 10mm Firm light bluish grey mottled orangish brown slightly sandy slightly micaceous SILT. Sand is fine to medium (READING FORMATION) Firm light bluish grey mottled orangish brown slightly sandy slightly micaceous SILT. Sand is fine to medium (READING FORMATION)		-58 (0.52)	61 (0.62)	
				100	0	0							-58.14	61.39	
													-58.66	61.91	
													-59	62	
													-59.45	62.70	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318		Start: 15.11.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 15 of 37
End: 02.12.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
64.20-65.70				100	0	0		100% Polymer-Mud (Grey)			... 63.68m: pyrite.		-60		x
											... 65.02-65.20m: thin bed of light grey mottled brown silty fine to medium sand.		-61	(3.00)	x
				96	0	0		100% Polymer-Mud (Grey)			... 65.34-65.42m: thin bed of light grey silty fine to medium sand with frequent black organic matter		-62		x
65.70-67.20											... 65.54-65.64m: thin bed of light grey and brown silty fine to medium sand with frequent black organic matter		-62.45	65.70	x
											... 65.64-65.70m: Assumed zone of core loss.		-63		x
											Stiff light bluish grey mottled orangish brown CLAY with occasional lenses of light grey slightly sandy silt up to 22 x 60mm. (READING FORMATION)		-63.29	66.54	x
				94	0	0		100% Polymer-Mud (Grey)			... 65.70-65.78m: stiff very thinly laminated greyish brown clay.		-63.65	66.90	x
											... 66.33-66.36m: fissure: planar polished and striated.		-64		x
											Firm light bluish grey slightly sandy slightly SILT. Sand is fine to medium. (READING FORMATION)		-64		x
67.20-68.70											Light brownish grey silty fine to medium SAND with occasional pockets of black organic matter up to 2 x 15mm (READING FORMATION)		-64		x
				89	0	0					... 67.08-67.20m: Assumed zone of core loss.		-64		x

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By:		

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 16 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
68.70-70.20				89	0	0		100% Polymer-Mud (Grey)			Light greyish brown fine to medium SAND (READING FORMATION)		-64.63	67.88	X
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-65		
				0	0	0		100% Polymer-Mud (Grey)					-65.29	68.54	
													-66		AZCL
70.20-71.70											Minimal recovery (13%). Recovered as light greyish brown fine to medium SAND. (READING FORMATION)		-66.95	70.20	
				13	0	0		100% Polymer-Mud (Grey)					-67		
													-68		MR / AZCL
71.70-73.20				27	0	0					Partial recovery (27%). Recovered as grey silty fine to coarse SAND with occasional calcrete up to 16 x 8mm and occasional pockets of black organic matter up 2 x 7mm.		-68.45	71.70	PR / AZCL

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks	

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: [Redacted]
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All dimensions in metres Scale: **1:25**

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 17 of 37	

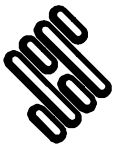
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
73.20-74.70				27	0	0		100% Polymer-Mud (Grey)			(READING FORMATION) ... 72.99-73.18m: thin bed of stiff greyish brown clay with occasional extremely weak light brown claystones up to 21 x 13mm Stiff bluish grey mottled greyish brown slightly sandy micaceous SILT. Sand is fine to medium. (READING FORMATION)		-69 (1.50)		PR / AZCL
74.70-76.20				100	0	0		100% Polymer-Mud (Grey)			Very stiff bluish grey mottled brown CLAY. (READING FORMATION) ... 74.03-74.08m: very thin bed of extremely weak light brown claystone.		-70 (0.64) -70.59 73.84		
76.20-77.70				100	0	0		100% Polymer-Mud (Grey)			Very stiff very closely to closely fissured locally thinly laminated dark grey slightly bioturbated slightly glauconitic silty CLAY. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are subhorizontal up to <1 x 12mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) ... 74.97-75.16m: fissure: planar smooth and matt.		-71 -71.15 74.40 -72 76 -73 (3.98)		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: XXXXXXXXXX
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 18 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
77.70-79.20				100	0	0		100% Polymer-Mud (Grey)			... 77.09-77.22m: relatively more silty,		-74	77	
79.20-80.70				100	0	0		100% Polymer-Mud (Grey)			... 78.07-78.15m: fissure: planar smooth and polished and striated.		-75	78	
80.70-82.20				100	0	0		100% Polymer-Mud (Grey)			Very stiff very closely to closely fissured locally thinly laminated dark grey locally dark green bioturbated glauconitic very silty CLAY. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are subhorizontal up to 2 x 20mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) ... 78.41-78.52m: fissure: 61° planar smooth and polished and striated.		-75.13 78.38	79	
				73	0	0		100% Polymer-Mud (Grey)			Very stiff very closely to closely fissured locally thinly laminated dark grey locally dark green bioturbated glauconitic silty CLAY. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are subhorizontal up to 2 x 20mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-76.92 80.17	80	
													-77	81	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: XXXXXXXXXX
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 19 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
82.20-83.70				73	0	0		100% Polymer-Mud (Grey)			... 81.01-81.16m: fissure: planar smooth and matt. Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-78	81.79	
											Very stiff very closely to closely fissured locally thinly laminated dark grey locally dark green bioturbated glauconitic very silty CLAY. Fissures are randomly orientated planar rough or smooth matt or polished. Burrows are subhorizontal up to 2 x 20mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-79	82.20	AZCL
				100	0	0		100% Polymer-Mud (Grey)					-80	83	
83.70-85.00											Very stiff very closely to closely fissured dark reddish brown slightly bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated, planar rough matt or polished. Burrows are subhorizontal up to 2 x 32mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)		-80.14	83.39	
				100	0	0		100% Polymer-Mud (Grey)			Very stiff very closely to closely fissured reddish brown slightly bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated, planar rough matt or polished. Burrows are subhorizontal up to 2 x 32mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)		-81.03	84.28	
											... 83.84-84.28m: reddish brown. Very stiff very closely to closely fissured dark reddish brown slightly bioturbated glauconitic micaceous CLAY. Fissures are randomly orientated, planar rough matt or polished. Burrows are subhorizontal up to 2 x 32mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)		-81.68	84.93	
85.00-86.50				95	76	34		100% Polymer-Mud (Grey)			... 84.74-84.93m: very glauconitic. Blackish green glauconitic gravelly CLAY. Gravel is subangular to subrounded fine to coarse flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)		-82.03	85.28	
											Very weak medium density closely jointed (NI/177/390) white burrow mottled light grey CHALK. Bedding fractures: 8-10° widely spaced		-82.03	85.28	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: [Redacted]		

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 20 of 37	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
86.50-87.90				95	76	34		90% Polymer-Mud (Grey)			(615/822/1130) undulating rough clean. Gently inclined joints: 11-28° medium spaced (35/247/530) undulating rough generally clean locally with rare black specks unstained no infill. Subvertical joints: 80° widely spaced (575/837/1225) planar or undulating rough clean. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A3) ... 85.28-85.42m: green glauconite-staining. ... 85.42-85.71m: non intact. ... 85.56-85.66m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. ... 85.60-85.62m: belemnite 14 x 36mm. ... 86.42-86.50m: Assumed zone of core loss. ... 86.50-86.64m: occasional phosphatic fragments. ... 85.58-85.61m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 86.87-86.89m: green-glauconite staining. ... 87.00-87.02m: black-stained sponge bed. ... 87.29-87.68m: occasional phosphatic fragments up to 3 x 28mm. ... 87.50-87.52m: black-stained sponge bed.			86	(2.46)
87.90-88.30				100	70	70		90% Polymer-Mud (Grey)			Medium strong to strong high to very high density closely jointed (NI/138/270) white burrow mottled light grey CHALK. Gently inclined joints: 12-28° closely spaced (35/173/270) planar or undulating or stepped rough clean. Inclined joints: 52° stepped rough with rare black specks, unstained, no infill. (CATTON SPONGE BED HARDGROUND) (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A3) ... 87.78-87.90m: non intact. ... 88.06-88.09m: phosphatic fragment 5 x 33mm. ... 88.06-88.09m: occasional phosphatic fragments up to 2 x 16mm.			88	(0.67)
88.30-89.90				94	94	94		90% Polymer-Mud (Grey)			Very weak medium density medium jointed (NI/223/720) white burrow mottled light grey CHALK. Bedding fractures: 3-4° widely spaced (220/963/1760) planar or undulating rough clean. Gently inclined joints: 12-29° medium spaced (55/363/1205) planar or undulating rough clean. Inclined joints: 32-39° widely spaced (270/972/2285) undulating rough clean. Subvertical joints: 82° planar rough clean. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2) ... 88.66-88.67m: black-stained sponge bed. ... 88.93-88.98m: green glauconite staining. ... 89.63m: shell fragment. ... 89.81-89.90m: CRF/AZCL.			89	(2.89)
89.90-91.30				107	107	81									

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Sonic Drilling + Rotary Cored						All dimensions in metres
Plant Used: SDC 390 + Comacchio Geo 602						
Drilled By: LMcCullagh + TBrookes		Logged By: HJones + ADenham		Scale: 1:25		
Checked By: [Redacted]		Checked By: [Redacted]				

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2	
Contract Ref: 734318		Start: 15.11.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 21 of 37
End: 02.12.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
				107	107	81		90% Polymer-Mud (Grey)			... 90.46-90.49m: black-stained sponge bed.				
											... 90.88-90.99m: phosphatic fragment 2 x 11mm.				
											Borehole terminated at 91.30m.				

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: XXXXXXXXXX
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 22 of 37

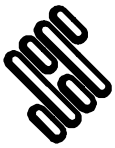
SD2019_2: 1.20m - 3.50m depth.



SD2019_2 3.50m - 6.50m depth.

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Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 23 of 37

SD2019_2 6.50m - 9.50m depth.



SD2019_2 9.50m - 12.50m depth.

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Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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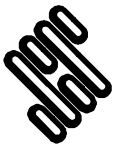
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Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 24 of 37

SD2019_2 12.50m - 15.50m depth.



SD2019_2 15.50m - 18.50m depth.

Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 25 of 37

SD2019_2 18.50m - 21.50m depth.



SD2019_2 21.50m - 24.50m depth.

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Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 26 of 37

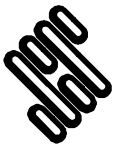
SD2019_2 24.50m - 27.50m depth.



SD2019_2 27.50m - 30.50m depth.

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Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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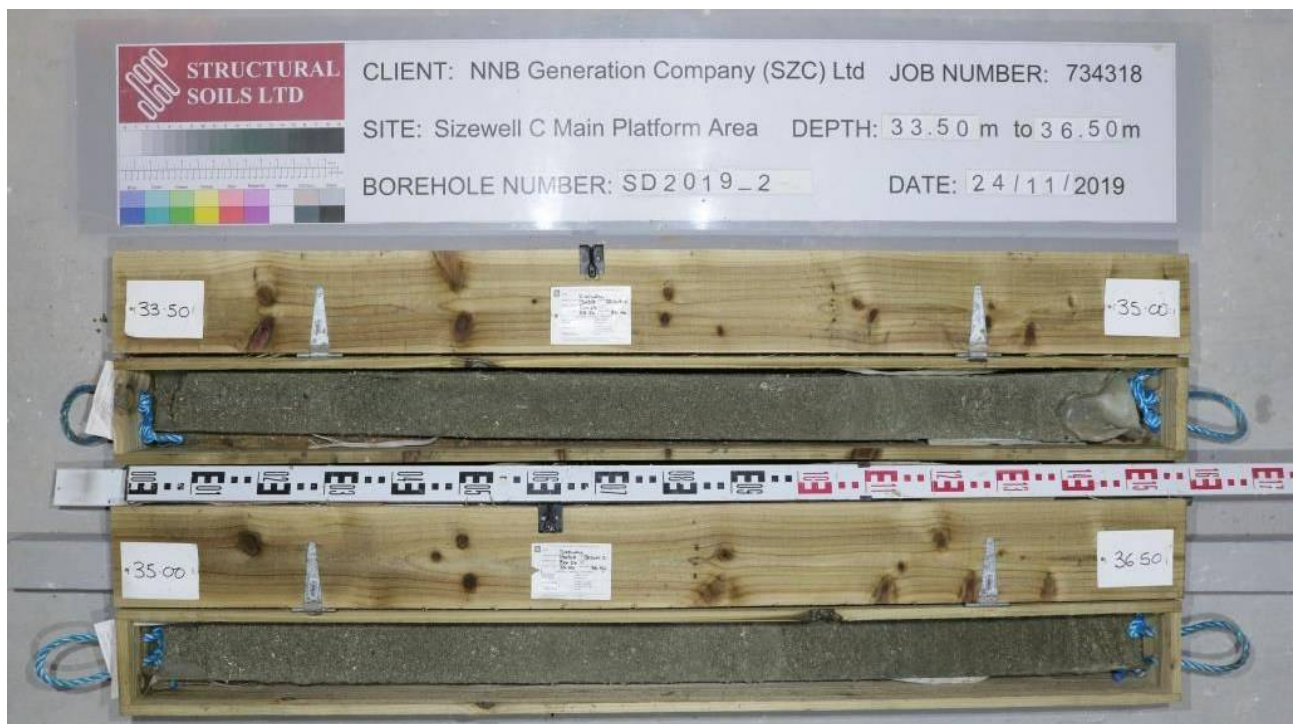


STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 27 of 37

SD2019_2 30.50m - 33.50m depth.



SD2019_2 33.50m - 36.50m depth.

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Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 28 of 37

SD2019_2 36.50m - 39.50m depth.



SD2019_2 39.50m - 42.50m depth.

Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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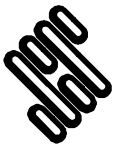
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 29 of 37

SD2019_2 42.50m - 45.50m depth.



SD2019_2 45.50m - 48.50m depth.

Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 30 of 37

SD2019_2 48.50m - 50.70m depth.



SD2019_2 50.70m - 53.70m depth.

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Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 31 of 37

SD2019_2 53.70m - 56.70m depth.



SD2019_2 56.70m - 59.70m depth.

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Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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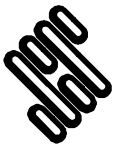
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 32 of 37

SD2019_2 59.70m - 62.70m depth.



SD2019_2 62.70m - 65.70m depth.

Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 33 of 37

SD2019_2 65.70m - 68.70m depth.



SD2019_2 68.70m - 71.70m depth.

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Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 34 of 37

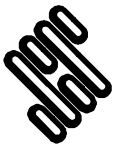
SD2019_2 71.70m - 74.70m depth.



SD2019_2 74.70m - 77.70m depth.

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Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 35 of 37

SD2019_2 77.70m - 80.70m depth.



SD2019_2 80.70m - 83.70m depth.

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Method Used:	Sonic Drilling + Rotary Cored	Plant Used:	SDC 390 + Comacchio Geo 602	Drilled By:	LMcCullagh + TBrookes	Logged By:	HJones + ADenham	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 36 of 37

SD2019_2 83.70m - 86.50m depth.



SD2019_2 86.50m - 88.30m depth.

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Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_2
Contract Ref: 734318	Start: 15.11.19 End: 02.12.19	Ground Level (m AOD): 3.25	National Grid Co-ordinate: E:647579.9 N:264122.0	Sheet: 37 of 37

SD2019_2 88.30m - 91.30m depth.



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Method Used: Sonic Drilling + Rotary Cored	Plant Used: SDC 390 + Comacchio Geo 602	Drilled By: LMcCullagh + TBrookes	Logged By: HJones + ADenham	Checked By:
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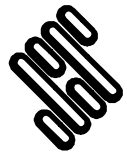
SUMMARY OF DISCONTINUITIES - SD2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	85.42-85.44	J	18	U-R	-	-	-	Clean.	BEECK	CHALK
2	85.70-85.72	J	11	U-R	-	-	-	Clean.	BEECK	CHALK
3	85.79-85.92	J	80	P-R	-	-	-	Clean.	BEECK	CHALK
4	85.92-85.94	J	12	U-R	-	-	-	Rare black specks, unstained, no infill.	BEECK	CHALK
5	86.00	BF	8	U-R	-	-	-	Clean.	BEECK	CHALK
6	86.12-86.16	J	24	U-R	-	-	-	Clean.	BEECK	CHALK
7	86.31-86.32	J	13	U-R	-	-	-	Clean.	BEECK	CHALK
8	86.61-86.62	J	10	U-R	-	-	-	Clean.	BEECK	CHALK
9	86.82-86.87	J	26	U-R	-	-	-	Clean.	BEECK	CHALK
10	87.03-87.13	J	80	U-R	-	-	-	Clean.	BEECK	CHALK
11	87.13-87.15	J	13	U-R	-	-	-	Clean.	BEECK	CHALK
12	87.51-87.55	J	28	U-R	-	-	-	Clean.	BEECK	CHALK
13	87.55-87.58	J	20	U-R	-	-	-	Rare black specks, unstained, no infill.	BEECK	CHALK
14	87.77-87.78	J	12	U-R	-	-	-	Clean.	PCF	CHALK

Key:

Type codes: BF = Bedding fracture, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.



STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Compiled By

KJOHNSTONE

Date

15.05.20

Contract Ref:

734318

Contract:

Sizewell C Onshore GI Phase 2 2019

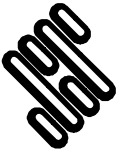
Page:

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SUMMARY OF DISCONTINUITIES - SD2019_2

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
15	87.93-87.99	J	52	S-R	-	-	-	Rare black specks, unstained, no infill.	PCF	CHALK
16	87.99-88.01	J	14	P-R	-	-	-	Clean.	PCF	CHALK
17	88.25-88.29	J	28	S-R	-	-	-	Clean.	PCF	CHALK
18	88.45-88.48	J	14	U-R	-	-	-	Clean.	PCF	CHALK
19	88.62-88.66	J	29	U-R	-	-	-	Clean.	PCF	CHALK
20	88.77-88.90	J	16	U-R	-	-	-	Clean.	PCF	CHALK
21	89.32	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
22	90.03-90.05	J	13	P-R	-	-	-	Clean.	PCF	CHALK
23	90.57-90.59	J	12	U-R	-	-	-	Clean.	PCF	CHALK
24	90.64-90.67	J	22	U-R	-	-	-	Clean.	PCF	CHALK
25	90.67-90.72	J	32	U-R	-	-	-	Clean.	PCF	CHALK
26	90.94-90.99	J	39	U-R	-	-	-	Clean.	PCF	CHALK
27	91.08	BF	3	P-R	-	-	-	Clean.	PCF	CHALK
28	91.08-91.13	J	82	P-R	-	-	-	Clean.	PCF	CHALK
29	91.13-91.15	J	14	U-R	-	-	-	Clean.	PCF	CHALK

Key:
 Type codes: BF = Bedding fracture, J = Joint.
 Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:		
	[REDACTED]		KJOHNSTONE	15.05.20	734318	
	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 2 of 2 [REDACTED]		



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318		Start: 12.09.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 2 of 47
		End: 23.11.19			

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
5.00-6.50				95	0	0					rounded fine to coarse of brick fragments and flint. (MADE GROUND)			(0.91)	
											... 4.93-5.00m: Assumed zone of core loss..				
5.20	108	ES	1xT+2xJ+1xV								Very soft dark bluish grey silty CLAY with numerous pockets of firm brown fibrous peat and plastic black amorphous peat (up to 6 x 32mm). (SUPERFICIAL DEPOSITS - CLAY)		-2.83	5.17	
5.20	WAC8	ES	1xT+1xJ+1xV												
				100	0	0									
6.00	109	ES	1xT+2xJ+1xV								Spongy brown pseudo-fibrous PEAT with numerous brown and red fibrous fragments of plant remains up to 6 x 80mm. (SUPERFICIAL DEPOSITS - PEAT)				
6.00	WAC9	ES	1xT+1xJ+1xV												
											... 6.35-6.46m: thin bed of very soft dark bluish grey CLAY.				
6.50-8.00											... 6.80-9.00m: becoming black.				
7.00	110	ES	1xT+2xJ+1xV												
7.00	WAC10	ES	1xT+1xJ+1xV												
				100	0	0									
											... 7.72-7.75m: very thin bed of very soft dark bluish grey CLAY.				
8.00-9.50	111	ES	1xT+2xJ+1xV												
8.00	WAC11	ES	1xT+1xJ+1xV												
8.00				100	0	0									

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
17/09/19		30.50	None	178	2.00
17/09/19		45.50	None	203	2.20
25/10/19		45.50	None	203	-
26/10/19		45.50	45.20	203	-
27/10/19	08:00	45.50	None	203	-
27/10/19	16:30	54.50	None	203	-
28/10/19	08:00	54.50	45.50	203	0.00
28/10/19	16:10	80.00	45.50	203	0.00

General Remarks			
7. Hole backfilled with bentonite grout on completion.			
All dimensions in metres		Scale:	1:25
Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12
Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid
Checked By:			

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 4 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
14.00-15.50				100	0	0					Grey fine to medium SAND with widely spaced thick laminae to very thin beds of grey clay and with rare coarse sand sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 13.87m: thick laminae of grey clay.		-12	14	
15.50-17.00				100	0	0					... 15.17-15.18m: thick laminae of dark grey silt. ... 15.40-15.47m: extremely closely spaced thick laminae of grey clay.		-13	15 (3.85)	
17.00-18.50				97	0	0					... 16.95-17.00m: Assumed zone of core loss.		-14	16	
				100	0	0					Grey fine to medium SAND with widely spaced thick laminae to very thin beds of grey clay and with occasional coarse sand to medium gravel sized comminuted shells. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) Grey fine to medium SAND with widely spaced thick laminae to very thin beds of grey clay and with frequent coarse sand to fine gravel sized comminuted shells.		-14.91 -15.15	17.25 17.49	(0.31)
													-15.46	17.80	
													-15.67	18.04	

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
06/11/19	07:30	120.50	45.50	203	-
07/11/19	07:30	120.50	45.50	203	-
08/11/19	07:30	120.50	45.50	203	-
09/11/19	07:30	120.50	45.50	203	-

General Remarks	
All dimensions in metres	
Scale:	1:25
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Massenza M.I.12
Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid
Checked By:	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 5 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
18.50-20.00				100	0	0					(NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 17.56-17.58m: medium gravel sized very weak grey siltstone. ... 17.70-17.73m: thin bed of grey clay.		-16		
											Grey fine to medium SAND with widely spaced thick laminae to very thin beds of grey clay and with occasional coarse sand to fine gravel sized comminuted shells.			(2.01)	
20.00-21.50				100	0	0					(NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 17.86-17.87m: thick laminae of locally thinly laminated grey clay. ... 17.90-18.01m: rare subangular to surrounded fine to medium gravel sized very weak grey siltstone.		-17		
											Grey fine to medium SAND with widely spaced thick laminae to very thin beds of grey clay and with frequent coarse sand to fine gravel sized comminuted shells.			-17.68-20.00	
21.50-23.00				100	0	0					(NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 18.20-18.22m: thin bed of thinly laminated black and grey clay. ... 18.77-18.85m: occasional subangular to surrounded fine to medium gravel sized very weak grey siltstone. ... 19.13-19.20m: sand is fine to coarse.		-18	(0.78)	
											... 20.00-20.20m: thin bed of grey clay.			-18.46-20.80	
21.50-23.00				77	0	0					Very closely spaced interbedded thick laminae to very thin beds of thinly laminated grey CLAY and thick laminae to very thin beds of fine to medium SAND with rare coarse gravel sized comminuted shells.		-19	(0.70)	
											(NORWICH CRAG FORMATION (UNDIFFERENTIATED))			-19.16-21.50	
											Grey fine to coarse SAND. (RED CRAG FORMATION (UNDIFFERENTIATED)) ... 21.55-21.58m: very thin bed of grey clay.		-19.31	21.65	
											Grey fine to coarse SAND with occasional coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-19.51	21.85	
											Grey fine to medium SAND. (RED CRAG FORMATION (UNDIFFERENTIATED))		-20	(0.80)	
<i>Description on next sheet</i>															

Boring Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth				
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid	Checked By: [Redacted]
All dimensions in metres						Scale: 1:25			

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 6 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
23.00-24.50				77	0	0					. . . 22.41-22.42m: thick laminae of brownish grey clay. . . . 22.64-22.65m: thick laminae of brownish grey clay. Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-20.31	22.65	
											Grey fine to medium SAND. (RED CRAG FORMATION (UNDIFFERENTIATED))		-20.66	23.00	AZCL
24.50-26.00				100	0	0					Grey fine to medium SAND with occasional coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-21	23.70	
											. . . 23.97-24.00m: extremely closely spaced thick laminae of greyish brown silty clay. . . . 24.13-24.14m: thick laminae of dark grey silty clay.		-22	24	
26.00-27.50				100	0	0					Grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-22.35	24.69	
											. . . 25.02-25.04m: medium gravel sized shell fragment. . . . 25.19-25.27m: subvertical flaser of brown clay (4mm wide).		-23	26	
				100	0	0					. . . 26.06-26.09m: extremely closely spaced thick laminae of brownish grey clay.		-23.96	26.30	
											Grey fine to medium SAND. (RED CRAG FORMATION (UNDIFFERENTIATED))		-24	26.50	
											Firm to stiff extremely closely to very closely spaced thick laminae of brownish grey CLAY. (RED CRAG FORMATION (UNDIFFERENTIATED))		-24.43	26.77	
											Grey fine to medium SAND. (RED CRAG FORMATION (UNDIFFERENTIATED)) <i>Description on next sheet</i>				

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleld	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 7 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
27.50-29.00				100	0	0					. . . 26.87-27.02m: very closely spaced thick laminae of grey clay. . . . 27.10m: thin lamination of brown clay. . . . 27.20-27.29m: occasional flashes of brown clay (up to 4 x 36mm).		-25	(0.69)	
				100	0	0					Grey fine to medium SAND with coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 27.60-28.62m: medium gravel sized shell fragment.		-25.12	27.46	
29.00-30.50				100	0	0					Grey fine to medium SAND with rare coarse sand to coarse gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-26	(1.41)	
				100	0	0					. . . 30.23-30.28m: extremely closely spaced thick laminae of brownish grey clay. Grey fine to coarse SAND with frequent coarse sand to medium gravel sized comminuted shells (relatively denser than unit above). (RED CRAG FORMATION (UNDIFFERENTIATED))		-26.53	28.87	
30.50-32.00				100	0	0							-27	(1.41)	
				100	0	0							-27.94	30.28	
				100	0	0							-28	31	
				100	0	0							-29		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used: Hand tools + SDC 390 + Massenza M.I.12		Drilled By: TMccarthy + Adrian Hopwood		Logged By: EHarman + HSkaleid		
Checked By: [Redacted]						

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 8 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
32.00-33.50				100	0	0					. . . 31.50-31.56m: occasional flaser of brown silty clay (up to 2 x 12mm).		(3.14)		
				100	0	0					. . . 32.37-32.39m: weak subrounded coarse gravel sized greyish brown claystone.		-30		
33.50-35.00				93	0	0					. . . 32.22-33.23m: weak subrounded medium gravel sized greyish brown claystone. Grey fine to coarse SAND with abundant coarse sand to coarse gravel sized comminuted and whole shells (including bivalves). (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 33.77-33.78m: weak subrounded medium gravel sized greyish brown claystone. . . . 33.83-33.85m: weak subrounded coarse gravel sized greyish brown claystone.		-31 -31.08 33.42		
				100	0	0					. . . 34.82-35.00m: Assumed zone of core loss.		(2.60)		
35.00-36.50				100	0	0					. . . 35.54m: weak subangular medium gravel sized greyish brown claystone.		-33		

Boring Progress and Water Observations					
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks			
All dimensions in metres		Scale:	1:25
Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12
Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkald
Checked By:			

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 9 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
36.50-38.00				100	0	0					Grey fine to medium SAND with occasional coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		33.68	36.02	
											... 36.90-36.92m: whole gastropod shell.			(2.08)	
38.00-39.50				100	0	0					Grey fine to coarse gravelly SAND with numerous coarse sand to medium gravel sized comminuted shells and occasional whole bivalve shells (up to 30mm across). Gravel is subangular to subrounded fine to coarse of very weak to weak claystone. (RED CRAG FORMATION (UNDIFFERENTIATED))		35.74	38.08	
39.50-41.00				100	0	0								(2.92)	
				100	0	0								40	
														38	

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored		Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid
					Checked By:	



Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 10 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
41.00-42.50				100	0	0					Grey fine to coarse gravelly SAND with numerous coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-38.66	41.00	(0.46)	
				100	0	0					Grey fine to coarse gravelly SAND with numerous coarse sand to medium gravel sized comminuted shells and occasional whole bivalve shells (up to 30mm across). Gravel is subangular to subrounded fine to coarse of very weak to weak claystone. (RED CRAG FORMATION (UNDIFFERENTIATED)) . . . 41.72-41.73m: very weak subangular coarse gravel sized greyish brown claystone. . . . 41.82-41.84m: very weak subangular coarse gravel sized greyish brown claystone. . . . 41.95-41.97m: very weak subangular coarse gravel sized greyish brown claystone.		-39.12	41.46	(0.91)	
42.50-44.00				100	0	0					Grey fine to coarse gravelly SAND with numerous coarse sand to fine gravel sized comminuted shells and occasional whole bivalve shells (up to 30mm across). Gravel is subangular to subrounded fine to coarse of very weak to weak claystone. (RED CRAG FORMATION (UNDIFFERENTIATED))		-40.48	42.37	(0.46)	
				100	0	0					Grey fine to coarse gravelly SAND with numerous coarse sand to medium gravel sized comminuted shells and occasional whole bivalve shells (up to 30mm across). Gravel is subangular to subrounded fine to coarse of very weak to weak claystone. (RED CRAG FORMATION (UNDIFFERENTIATED))		-40.49	42.83	(3.05)	
44.00-45.50				100	0	0							-41	44	(3.05)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 11 of 47	
End: 23.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
45.50-47.00				100	0	0					<p>... 45.27-45.30m: very weak subangular coarse gravel sized greyish brown claystone.</p> <p>... 45.50-45.66m: Assumed zone of core loss.</p> <p>... 45.50-47.00m: Two runs recovered at same depth due to clay swelling and material collapse after prolonged period between sonic and rotary switchover.</p>		-43			
				90	0	0		85% Polymer-Mud (Grey)			<p>Grey fine to coarse gravelly SAND with numerous coarse sand to medium gravel sized comminuted shells and occasional whole bivalve shells (up to 30mm across). Gravel is subangular to subrounded fine to coarse of very weak to weak claystone. (RED CRAG FORMATION (UNDIFFERENTIATED))</p>		-43.54	45.88		
47.00-48.50				94	0	0		85% Polymer-Mud (Grey)			<p>... 46.39-46.41m: very weak subangular coarse gravel sized greyish brown claystone.</p> <p>Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown glauconitic micaceous silty CLAY with widely spaced thin beds of very stiff volcanoclastic silt/clay. Fissures randomly orientated planar rough or smooth matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)</p>		-44	-44.09	46.43	
				100	0	0		85% Polymer-Mud (Grey)			<p>... 47.14-47.22m: very stiff dark grey volcanoclastic silt/clay. Top 20mm bioturbated. Burrows are subhorizontal up to 1 x 1mm infilled with light brown silt.</p>		-45		(1.71)	
48.50-50.00				100	0	0		85% Polymer-Mud (Grey)			<p>Very strong fine grained argillaceous slightly bioturbated dark bluish grey LIMESTONE. Burrows are randomly orientated up to 3 x 23mm infilled with light brown silt. Over 90mm of very strong fine grained argillaceous greyish brown limestone. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)</p> <p>... 48.17-48.26m: recovered as very clayey subangular fine to coarse GRAVEL of limestone.</p> <p>... 48.42-48.50m: Assumed zone of core loss.</p>		-45.80	48.14		
											<p>Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown glauconitic micaceous silty CLAY with medium spaced thick laminae to thin beds of very stiff volcanoclastic silt/clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)</p> <p>... 48.50-48.70m: relatively more silty.</p> <p><i>Description on next sheet</i></p>		-46	-46.16	48.50	
													-47			

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						
Plant Used:		Hand tools + SDC 390 + Massenza M.I.12		Drilled By: TMccarthy + Adrian Hopwood		Logged By: EHarman + HSkaleid
All dimensions in metres						Scale: 1:25
Checked By:						

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 12 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
50.00-51.50				100	0	0					. . . 48.86-48.90m: very stiff dark grey volcanoclastic silt/clay. . . . 49.27-49.31m: very stiff dark grey slightly bioturbated volcanoclastic silt. Burrows are subhorizontal up to 1 x6mm infilled with light brown silt. . . . 49.56-49.61m: very stiff dark grey volcanoclastic silt. . . . 49.66-49.73m: very stiff dark grey volcanoclastic silt. . . . 49.75-49.81m: relatively more silty. . . . 49.98-50.00m: possibly stiff dark grey volcanoclastic silt. . . . 50.50-50.54m: very stiff dark grey bioturbated volcanoclastic silt/clay. Burrows subhorizontal up to <1 x 1mm infilled with light brown silt. . . . 50.87-50.91m: relatively more silty. . . . 50.91-50.94m: very stiff dark grey bioturbated volcanoclastic silt/clay. Burrows are subhorizontal up to <1 x 1mm infilled with light brown silt. . . . 50.99-51.06m: very stiff dark grey bioturbated volcanoclastic silt/clay. Burrows are subhorizontal and subvertical up to <1 x 1mm infilled with light brown silt. . . . 51.26-51.28m: very stiff dark grey bioturbated volcanoclastic silt/clay. Burrows are subhorizontal up to <1 x 1mm infilled with light brown silt. . . . 51.34-51.36m: very stiff dark grey bioturbated volcanoclastic silt/clay. Burrows are subhorizontal up to <1 x 2mm infilled with light brown silt. . . . 51.57-51.58m: very stiff dark grey volcanoclastic silt/clay. . . . 51.63m: pocket of disseminated pyrite.				
51.50-53.00				100	0	0		85% Polymer-Mud (Grey)			Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown glauconitic micaceous very silty CLAY with rare widely spaced thick laminae to thin beds of very stiff volcanoclastic silt/clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, ORWELL MEMBER) . . . 52.25-52.35m: relatively more silty. . . . 52.44-52.50m: bioturbated (gradational contact with volcanoclastic silt/clay). Burrows are subhorizontal up to 1 x 10mm infilled with light brown silt. . . . 52.50-52.52m: very stiff dark grey bioturbated volcanoclastic silt/clay. Burrows are subhorizontal up to <1 x 1mm infilled with light brown silt. . . . 52.52-52.73m: bioturbated (gradational contact with volcanoclastic silt/clay). Burrows are subhorizontal up to 1 x 3mm infilled with light brown silt. . . . 52.73-52.76m: very stiff dark grey volcanoclastic silt/clay. . . . 52.84-52.88m: very stiff dark grey bioturbated volcanoclastic silt/clay. Burrows are subhorizontal up to <1 x 4mm infilled with light brown silt. . . . 52.88-53.00m: Assumed zone of core loss. . . . 53.08-53.18m: relatively more silty.				
53.00-54.50				92	0	0		85% Polymer-Mud (Grey)			. . . 51.57-51.58m: very stiff dark grey volcanoclastic silt/clay. . . . 51.63m: pocket of disseminated pyrite.				
				98	0	0		85% Polymer-Mud (Grey)			Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown bioturbated				

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Massenza M.I.12
Drilled By: TMccarthy + Adrian Hopwood						Logged By: EHarman + HSkaleid
All dimensions in metres						Scale: 1:25
Checked By:						Checked By:

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 13 of 47	
End: 23.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
54.50-56.00				98	0	0					glaucanitic micaceous CLAY with extremely closely to very closely spaced partings of light brown and black fine sand and frequent lenses of black silt and widely spaced very thin beds of very stiff volcanoclastic silt/clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, ORWELL MEMBER)		-52		
											... 54.67m: pyritised lignitic debris.				
				100	0	0		80% Polymer-Mud (Grey)			... 54.99m: pyrite nodule.		55	(3.72)	
											... 55.37-55.39m: very stiff dark grey bioturbated volcanoclastic silt. Burrows are subhorizontal <1 x 1mm infilled with light brown silt.		-53		
											... 55.68m: lignitic debris.				
56.00-57.50											... 55.88-55.91m: very stiff dark grey bioturbated volcanoclastic silt. Burrows are subhorizontal <1 x 3mm infilled with light brown silt.		56		
											... 56.23m: framboidal pyrite nodule.				
				100	0	0		80% Polymer-Mud (Grey)			... 56.36-56.53m: fissure: 86° planar smooth polished.		-54		
											... 56.53m: framboidal pyrite nodule.				
											... 56.53-56.78m: fissure: 85° planar smooth polished.				
											Stiff locally thinly laminated dark greyish brown slightly sandy glauconitic micaceous SILT. Sand is fine. (HARWICH FORMATION, ORWELL MEMBER)		-55	(0.66)	
57.50-59.00											... 57.07-57.38m: clayey SILT.		-55.39	57.73	
				100	0	0		80% Polymer-Mud (Grey)			Stiff thinly laminated light brown speckled light bluish grey micaceous SILT with occasional lenses of calcrete (up to 3 x 7mm). (READING FORMATION)		(0.45)	58	
											Very stiff very closely to closely fissured thinly laminated brown mottled light bluish grey micaceous CLAY with frequent lenses of calcrete (up to 6 x 50mm).		-55.84	58.18	
													-56		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored		Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 14 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
59.00-60.50				100	0	0					(READING FORMATION)			(1.43)	
60.50-62.00				100	0	0		80% Polymer-Mud (Grey)			Firm thinly laminated brown locally streaked grey micaceous sandy SILT. (READING FORMATION) ... 60.04m: medium gravel sized very weak brown calcareous claystone.			(1.45)	
62.00-63.50				100	0	0		80% Polymer-Mud (Grey)			Locally thinly laminated brown locally streaked grey very silty fine to medium SAND. (READING FORMATION) ... 61.38m: coarse gravel sized very weak brown claystone.			(1.98)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkald	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 15 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
63.50-65.00				100	0	0					Firm thinly laminated brownish grey streaked black sandy SILT. sand is fine to medium. (READING FORMATION) ... 63.04-63.21m: brown, possibly gradational boundary with unit above. ... 63.50-63.68m: disturbed by drilling. ... 63.60m: coarse gravel sized very weak brown claystone.		-60.70	63.04	
								80% Polymer-Mud (Grey)			Grey slightly silty fine to medium SAND. (READING FORMATION)		-61	63.68	
65.00-66.50				91	0	0					... 64.86-65.00m: Assumed zone of core loss.		-62		
								80% Polymer-Mud (Grey)			... 65.36-65.47m: occasional medium gravel sized subangular very weak light grey claystones.		-63		
66.50-68.00				100	0	0					Firm extremely closely to very closely fissured thinly laminated dark brown CLAY with very closely spaced partings of fine sand and occasional lenses of light brown clay. (READING FORMATION) ... 66.37-66.57m: pyritised lignite debris. ... 66.44-66.46m: lens of very weak light brown claystone (20 x 96mm). ... 66.48-m: frequent subhorizontal lignite debris (up to 5 x 66mm). ... 66.44-66.67m: very thin bed of brown fine to medium SAND.		-64	66.00	
								80% Polymer-Mud (Grey)			Stiff dark greyish brown mottled black CLAY with occasional fine to medium gravel sized very weak light grey claystones and occasional pockets of black organic material (up to 5 x 32mm). (READING FORMATION)		-64.33	66.67	
				100	0	0							-65		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored		Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid
						Checked By: XXXXXXXXXX

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 16 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
68.00-69.50				100	0	0					... 67.47-67.55m: black speckled dark brown. Stiff dark grey locally mottled dark yellow micaceous slightly sandy clayey SILT. Sand is fine. (READING FORMATION) Grey and dark yellow mottled micaceous silty fine to medium SAND. (READING FORMATION)		-65.53	67.87	
				88	0	0		80% Polymer-Mud (Grey)			Stiff multicolored (bluish grey, dark orange, red and light grey) micaceous CLAY with occasional lenses of light grey fine sand (up to 2 x 11m). (UPNOR FORMATION) ... 69.32-69.50m: Assumed zone of core loss.		-66	(0.76)	
69.50-71.00				100	0	0		80% Polymer-Mud (Grey)			Bluish grey and dark orange mottled silty micaceous fine to medium SAND. (READING FORMATION)		-66.63	68.97	
				100	0	0		80% Polymer-Mud (Grey)			... 70.90-71.10m: frequent flaser of bluish grey clay up to 35 x 76mm. ... 70.95-71.10m: relatively more silty. ... 70.98-71.00m: thinly laminated with light brown fine to medium sand. ... 71.05-71.06m: thinly laminated with light brown fine to medium sand. Very stiff dark brown mottled dark bluish grey CLAY. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-67	69.59	
71.00-72.50				100	0	0		80% Polymer-Mud (Grey)					-67.25	69.59	
													-68	71.52	
													-69	71	
													-68.77	71.11	
													-69	(1.07)	
													-72		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Massenza M.I.12
Drilled By: TMccarthy + Adrian Hopwood						Logged By: EHarman + HSkaleid
All dimensions in metres						Scale: 1:25
Checked By: [Redacted]						

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 17 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
72.50-74.00				100	0	0		80% Polymer-Mud (Grey)			... 72.02-72.06m: dendritic black organic material Very stiff very closely to closely fissured thinly laminated dark brown locally spotted dark green bioturbated micaceous glauconitic CLAY. Fissures are randomly orientated planar smooth or rough polished or matt (mostly polished). Burrows are randomly orientated. (LISTA FORMATION, ORMESBY CLAY MEMBER (UNDIFFERENTIATED)) ... 72.80m: TAFs		-69.84	72.18	
74.00-75.50				100	0	0		80% Polymer-Mud (Grey)			... 74.24m: lens of yellow fine sand (up to 5 x 8mm). ... 74.47-74.67m: fissure: 85° planar smooth matt.		-70	73	
75.50-77.00				100	0	0		80% Polymer-Mud (Grey)			... 75.34-75.47m: silty CLAY.		-71	74	
				100	0	0		80% Polymer-Mud (Grey)			... 76.37-76.37m: ...		-72	75	
				100	0	0		80% Polymer-Mud (Grey)			... 76.37-76.37m: ...		-73	76	
				100	0	0		80% Polymer-Mud (Grey)			... 76.37-76.37m: ...		-74.02	76.37	

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Boring Progress and Water Observations						General Remarks							
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth								
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Massenza M.I.12		Drilled By: TMccarthy + Adrian Hopwood		Logged By: EHarman + HSkaleid		Checked By: [Redacted]	

All dimensions in metres Scale: **1:25**



Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318		Start: 12.09.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 18 of 47
End: 23.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
77.00-78.50				100	0	0					Very stiff closely fissured dark brown mottled dark green bioturbated micaceous glauconitic slightly sandy silty CLAY. Fissures are randomly orientated planar smooth or rough matt or polished. Burrows are randomly orientated up to 4 x 45mm. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)					
				100	0	0		80% Polymer-Mud (Grey)								
78.50-80.00				100	0	0		80% Polymer-Mud (Grey)				... 77.96-78.03m: fissure: 42° planar rough striated. ... 78.10-78.20m: fissure: 51° planar rough polished.				
				100	0	0		80% Polymer-Mud (Grey)								
80.00-81.50				70	0	0		80% Polymer-Mud (Grey)			Very stiff very closely to closely fissured locally thinly laminated reddish brown slightly bioturbated micaceous glauconitic slightly sandy silty CLAY. Sand is fine. Fissures randomly orientated planar smooth or rough matt or polished. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)					

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used: Hand tools + SDC 390 + Massenza M.I.12		Drilled By: TMccarthy + Adrian Hopwood		Logged By: EHarman + HSkaleid		
Checked By: [Redacted]						

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 21 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
90.50-92.00				95	78	65		0% Polymer-Mud			... 90.04m: shell fragment. ... 90.34m-90.42m: non-intact. ... 90.42m-90.50m: Assumed zone of core loss. ... 90.50m-90.52m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.				
92.00-93.50				100	100	100		0% Water			... 91.28m: shell fragment. ... 91.64m: shell fragment. ... 91.85m: black stained sponge bed. ... 92.25m-92.34m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 92.25m-92.46m: non-intact. ... 92.35m-92.57m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 92.35m-92.67m: non-intact (putty). ... 92.88m-92.94m: frequent shell fragments including inoceramid bivalve.				
93.50-95.00				97	53	51		0% Water			... 93.50m-93.55m: Assumed zone of core loss. ... 93.55m-93.66m: non-intact. ... 93.62m-93.66m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 93.87m: shell fragment. ... 94.17m: black stained sponge bed. ... 94.23m-94.28m: non-intact. Flint band. Fine gravel size fragments of nodular flint with thin cortexes.				

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Massenza M.I.12
Drilled By: TMccarthy + Adrian Hopwood			Logged By: EHarman + HSkaleid			
All dimensions in metres						Scale: 1:25
Checked By:						

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 22 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
95.00-96.50				97	53	51		0% Water			... 94.43m-94.60m: non-intact. Very weak medium density medium jointed (NI/220/1000) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced(10/290/1390) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Gently inclined joints: 11-30° widely spaced (190/1467/5070) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Inclined fractures: 31-60° very widely spaced (1355/4405/10125) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Steeply inclined joints: 73-80° very widely spaced (5615/8822/13870) planar rough clean or with frequent black specks, unstained, no infill. Subvertical joints: 85-86° very widely spaced (45/4408/12830) undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2) ... 94.60m-94.84m: non-intact. Clasts are very weak to medium strong medium to very high density white burrow mottled light grey with rare black specks. Possible black stained sponge beds. Possibly hard ground. ... 95.00m-95.07m: non-intact. ... 95.19m-95.20m: black-stained sponge bed. ... 95.65m-95.95m: frequent shell fragments. ... 95.87m: black stained sponge bed. ... 96.61m-96.71m: flint band. Fine to large gravel size (full core diameter) fragments of nodular flint with thin cortexes. ... 96.85m-97.10m: non-intact (partially putty).				
96.50-98.00				98	91	76		0% Water			... 97.15m-97.25m: frequent blackstained sponge beds. ... 97.47m-97.53m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 97.47m-97.63m: non-intact (partially putty). Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
98.00-99.50				75	43	29		10% Water (Grey)			... 97.63m-97.63m: non-intact (partially putty). Very weak medium density medium jointed (NI/220/1000) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced(10/290/1390) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Gently inclined joints: 11-30° widely spaced (190/1467/5070) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Inclined fractures: 31-60° very widely spaced (1355/4405/10125) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Steeply inclined joints: 73-80° very widely spaced (5615/8822/13870) planar rough clean				
				100	62	41		10% Water (Grey)							

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390 + Massenza M.I.12		Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid	
Checked By:						

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 23 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
99.50-101.00				100	62	41		10% Water (Grey)			or with frequent black specks, unstained, no infill. Subvertical joints: 85-86° very widely spaced (45/4408/12830) undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2) ... 98.00m-98.14m: non-intact. ... 98.24m-98.29m: non-intact. ... 98.32m: shell fragment. ... 98.39m-98.47m: non-intact. ... 98.55m-98.64m: frequent black stained sponge beds. ... 99.10m-99.21m: frequent black stained sponge beds. ... 99.36m-99.50m: non-intact. ... 99.50m-99.69m: non-intact. ... 99.80m-99.93m: non-intact. ... 100.36m: echinoid shell fragment. ... 100.38m-100.42m: black stained sponge bed. ... 100.45m: echinoid shell fragment. ... 100.50m-100.53m: black stained sponge bed. ... 100.72m-100.86m: frequent black stained sponge beds. ... 101.22m: black stained sponge bed. ... 101.36m-101.64m: non-intact (putty). Flint band fine to medium gravel size (full core diameter) fragments of nodular flint with thin cortexes. ... 101.86m: black stained sponge bed. Shell fragment. ... 102.10m-102.24m: frequent shell fragments. ... 102.45m-120.50m: non-intact. ... 103.19m-103.22m: black stained sponge bed.	57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 -57 -58 -59 -60 -61 -62 -63 -64 -65 -66 -67 -68 -69 -70 -71 -72 -73 -74 -75 -76 -77 -78 -79 -97 -98 -99 -100 (8.77) -101	100 100 101 102 103		
101.00-102.50				100	62	53		5% Water (Grey)							
102.50-104.00				100	79	63		5% Water (Grey)							
				100	98	95		5% Water (Grey)							

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Massenza M.I.12
Drilled By: TMccarthy + Adrian Hopwood			Logged By: EHarman + HSkaleid			
All dimensions in metres						Scale: 1:25
Checked By:						

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 24 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns (Grey)	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
104.00-105.50				100	98	95		5% Water (Grey)			... 103.44m: shell fragment. ... 103.61m-103.62m: black stained sponge bed. ... 103.80m-103.84m: black stained sponge bed. ... 104.12m-104.14m: black stained sponge bed. ... 104.52m-104.53m: black stained sponge bed. ... 104.70m-104.75m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 104.99m-105.02m: black stained sponge bed. ... 105.06m-105.08m: black stained sponge bed. ... 105.30m-105.34m: black stained sponge bed. ... 105.55m-105.67m: non-intact. ... 105.80m-105.84m: black stained sponge bed. ... 106.05m-106.08m: black stained sponge bed. ... 106.27m-106.56m: numerous black stained sponge beds. ... 106.59m-106.62m: non-intact. ... 106.74m-106.77m: non-intact.					
105.50-107.00				100	90	85		5% Water (Grey)								
107.00-108.50				85	69	65		10% Water (Grey)								
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)					
											Very weak medium density medium jointed (NI/220/1000) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced(10/290/1390) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Gently inclined joints: 11-30° widely spaced (190/1467/5070) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Inclined fractures: 31-60° very widely spaced (1355/4405/10125) planar or undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. Steeply inclined joints: 73-80° very widely spaced (5615/8822/13870) planar rough clean					
								85% Water (Grey)								

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						
Plant Used:		Hand tools + SDC 390 + Massenza M.I.12		Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid	Checked By: [Redacted]
All dimensions in metres						Scale: 1:25

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 25 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
108.50-110.00				100	79	59		85% Water (Grey)			or with frequent black specks, unstained, no infill. Subvertical joints: 85-86° very widely spaced (45/4408/12830) undulating or stepped rough generally clean locally with rare black specks, unstained, no infill. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2) ... 107.26m-107.32m: non-intact (putty). ... 107.40m: black stained sponge bed. ... 107.54m: shell fragment. ... 107.66m: shell fragment. ... 107.81m: black stained sponge bed. ... 108.11m: shell fragment. ... 108.44m: non-intact. ... 108.88m-108.93m: non-intact (putty). ... 108.93m-109.48m: thinned by drilling.		-106		
				100	87	83		85% Water (Grey)			... 109.30m-109.33m: black stained sponge bed.		-107		
110.00-111.50				100	84	66		85% Water (Grey)			... 109.74m-109.79m: black stained sponge bed. ... 110.00m-110.11m: non-intact. ... 110.48m: shell fragment. ... 110.63m-110.71m: black stained sponge bed. ... 110.68m-110.78m: frequent shell fragments.		-108		
				100	76	65		85% Water (Grey)			... 111.11m-111.19m: black stained sponge bed. ... 111.49m-111.50m: flint band. Fine gravel size fragment of nodular flint with a thin cortex. ... 111.50m-111.63m: black stained sponge bed. ... 111.55m-111.56m: Fine gravel size fragment of nodular pseudo-flint. ... 111.85m: shell fragment. ... 111.93m: black stained sponge bed. ... 112.20m-112.37m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.		-109		
111.50-113.00													-110		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored		Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid
						Checked By: [Redacted]

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 26 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
113.00-114.50				100	76	65		85% Water (Grey)			... 112.73m: echinoid shell fragment. ... 112.82m-112.85m: black stained sponge bed. ... 112.93m: shell fragment. ... 113.15m-113.22m: flint band. Fine gravel size fragment of nodular flint with thin cortexes. ... 113.53m: black stained sponge bed.			113	
114.50-116.00				100	96	90		85% Water (Grey)			... 114.17m-114.21m: non-intact. ... 114.28m: black stained sponge bed. ... 114.90m-114.96m: black stained sponge bed. ... 114.98m: shell fragment.			114	
116.00-117.50				100	95	89		85% Water (Grey)			... 115.20m-115.25m: black stained sponge bed. ... 115.20m-115.63m: frequent shell fragments including echinoid. ... 115.72m-115.77m: non-intact. ... 115.80m-115.83m: black stained sponge bed. ... 116.10m-116.14m: frequent shell fragments. ... 116.24m: black stained sponge bed. ... 116.28m: shell fragment.			115	
				100	85	76		85% Water (Grey)			... 116.78m-116.84m: non-intact. Flint band. Fine gravel size fragment of nodular flint with thin cortexes.			116	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3	
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 27 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
117.50-119.00				100	85	76		85% Water (Grey)			... 117.18m-117.24m: frequent shell fragments. ... 117.30m-117.34m: non-intact.		-115		
119.00-120.50				100	91	86		85% Water (Grey)			... 118.06m: black stained sponge bed.		-116		
				100	95	92		85% Water (Grey)			... 118.95m-118.96m: flint band. Fine gravel size whole nodular flint with a thin cortex. ... 119.26m-119.31m: frequent shell fragments. ... 119.56m-119.58m: flint band. Fine gravel size fragment of nodular flint with a thin cortex. ... 119.98m-120.08m: black stained sponge bed.		-117		
											Boreshole terminated at 120.50m		-118		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Massenza M.I.12	Drilled By: TMccarthy + Adrian Hopwood	Logged By: EHarman + HSkaleid	Checked By: XXXXXXXXXX
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 28 of 47

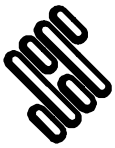
SD2019_3: 1.20m-3.50m depth.



SD2019_3 3.50m-6.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 29 of 47

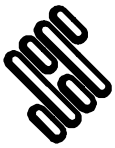
SD2019_3 6.50m-9.50m depth.



SD2019_3 9.50m-12.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 30 of 47

SD2019_3 12.50m-15.50m depth.



SD2019_3 15.50m-18.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 31 of 47

SD2019_3 18.50m-21.50m depth.



SD2019_3 21.50m-24.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaeld	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 32 of 47

SD2019_3 24.50m-27.50m depth.



SD2019_3 27.50m-30.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 33 of 47

SD2019_3 30.50m-33.50m depth.



SD2019_3 33.50m-36.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleld	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 34 of 47

SD2019_3 36.50m-39.50m depth.



SD2019_3 39.50m-42.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleld	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 35 of 47

SD2019_3 42.50m-45.50m depth.



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleld	Checked By:	
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STRUCTURAL SOILS

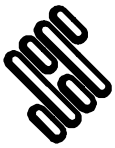
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 36 of 47



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkeld	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 37 of 47



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkald	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 38 of 47



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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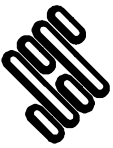


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 39 of 47



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaeld	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 40 of 47



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 41 of 47



GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:18 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleld	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 42 of 47

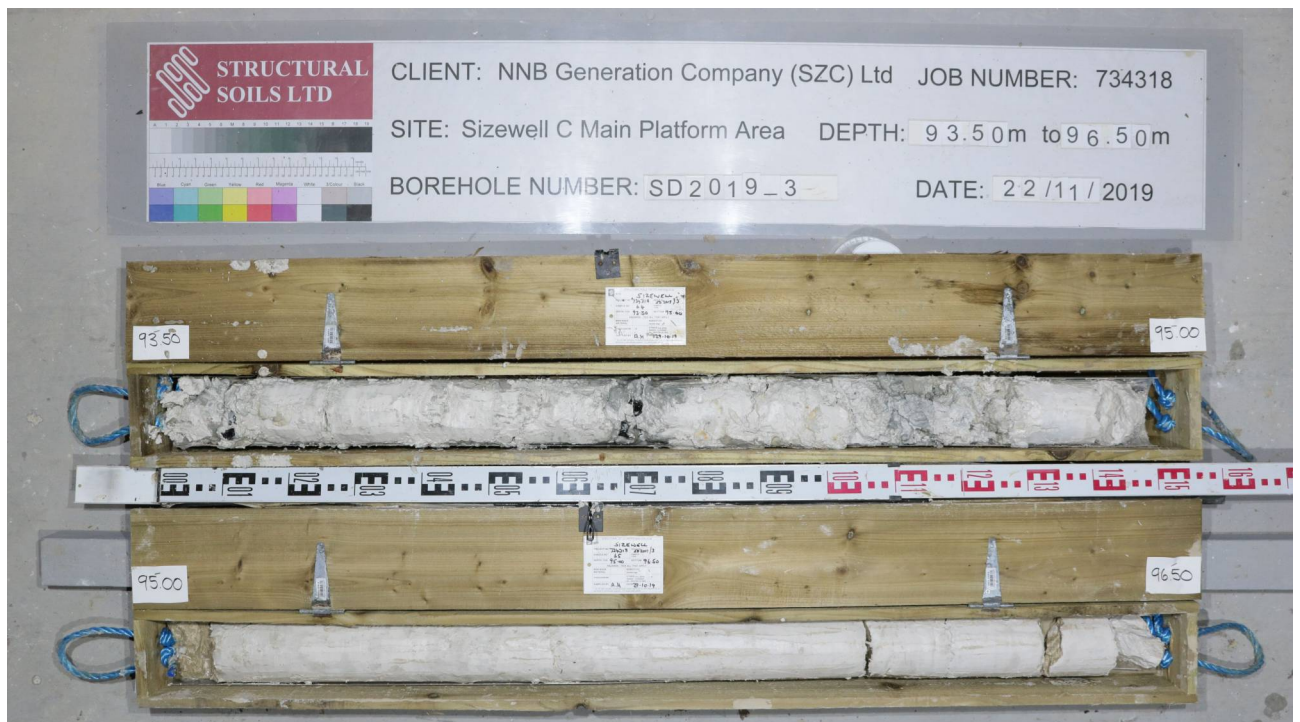


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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HScaleld	Checked By:	XXXXXXXXXX
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 43 of 47

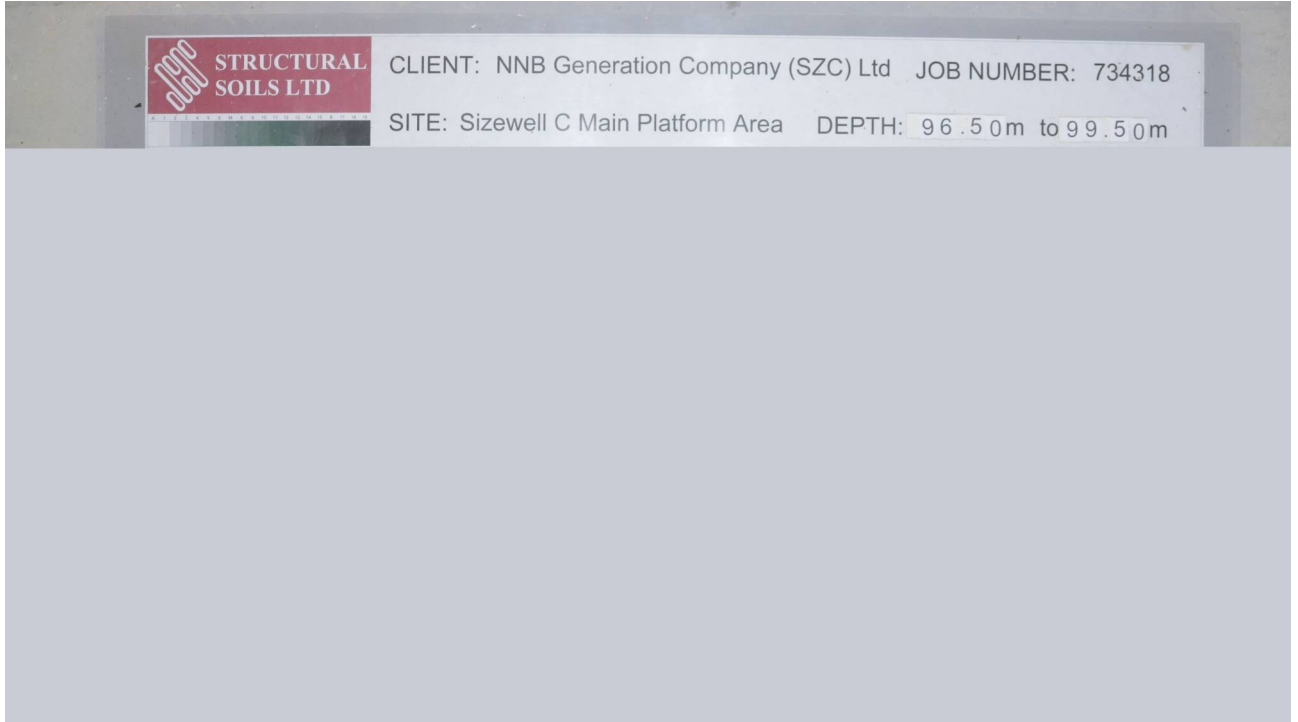


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Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:19 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 44 of 47



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 45 of 47



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkaleid	Checked By:	
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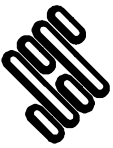


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 46 of 47



GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:22 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkald	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_3
Contract Ref: 734318	Start: 12.09.19 End: 23.11.19	Ground Level (m AOD): 2.35	National Grid Co-ordinate: E:647400.1 N:263979.3	Sheet: 47 of 47



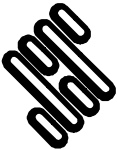
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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Massenza M.I.12	Drilled By:	TMccarthy + Adrian Hopwood	Logged By:	EHarman + HSkald	Checked By:	
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SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	83.36-83.37	BF	9	U-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
2	83.37-83.48	J	80	U-R	-	-	-	Clean.	BEECK	CHALK
3	83.48-83.50	J	24	S-R	-	-	-	Clean.	BEECK	CHALK
4	85.14-85.16	BF	10	S-R	-	-	-	Clean.	BEECK	CHALK
5	85.33-85.35	BF	8	S-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
6	85.41-85.44	J	18	S-R	-	-	-	Clean.	BEECK	CHALK
7	85.83-85.86	J	25	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
8	86.07	BF	3	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
9	86.26-86.28	BF	7	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
10	86.69	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
11	87.35-87.38	J	28	S-R	-	-	-	Clean.	PCF	CHALK

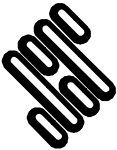
Key:
 Type codes: BF = Bedding fracture, J = Joint.
 Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref: 734318
	[REDACTED]	KJOHNSTONE	15.05.20	
	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 1 of 12 [REDACTED]

SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
12	88.27	BF	2	P-R	-	-	-	Clean.	PCF	CHALK
13	88.50	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
14	88.79	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
15	89.16	BF	4	U-R	-	-	-	Occasional black specks.	PCF	CHALK
16	89.16-89.24	J	66	U-R	-	-	-	Clean.	PCF	CHALK
17	89.24	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
18	89.34	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
19	89.34-89.58	J	28	U-R	-	-	-	Clean.	PCF	CHALK
20	89.48	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
21	89.48-89.52	J	78	U-R	-	-	-	Clean.	PCF	CHALK
22	89.81	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
23	90.24	BF	4	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
24	90.50-90.64	J	78	P-R	-	-	-	Clean.	PCF	CHALK
25	90.64	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
26	90.77-90.92	J	80	P-R	-	-	-	Clean.	PCF	CHALK

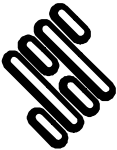
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 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:		
	[REDACTED]		KJOHNSTONE	15.05.20	734318	
	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 2 of 12 [REDACTED]		

SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
27	90.83	BF	2	P-R	-	-	-	Clean.	PCF	CHALK
28	90.97	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
29	91.12-91.14	BF	10	S-R	-	-	-	Clean.	PCF	CHALK
30	91.69	BF	4	P-R	-	-	-	Clean.	PCF	CHALK
31	91.87	BF	5	U-R	-	-	-	Clean.	PCF	CHALK
32	92.03	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
33	92.09	BF	4	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
34	92.98	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
35	93.25	BF	10	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
36	93.80	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
37	94.07-94.12	J	38	U-R	-	-	-	Clean.	PCF	CHALK
38	94.22-94.23	J	26	U-R	-	-	-	Clean.	PCF	CHALK
39	94.43	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
40	94.84-94.85	J	16	U-R	-	-	-	Clean.	PCF	CHALK

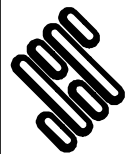
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 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:		
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	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 3 of 12 [REDACTED]		

SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
41	94.96-94.97	BF	4	S-R	-	-	-	Clean.	PCF	CHALK
42	95.07	BF	2	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
43	96.07	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
44	96.11	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
45	96.19	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
46	96.34-96.36	J	15	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
47	96.45	BF	10	U-R	-	-	-	Clean.	PCF	CHALK
48	96.58	BF	8	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
49	97.26-97.27	BF	10	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
50	97.41	BF	4	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
51	97.41-97.47	J	85	U-R	-	-	-	Clean.	PCF	CHALK

Key:
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Sizewell C Onshore GI Phase 2 2019

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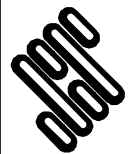
SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
52	98.20	BF	5	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
53	98.39	BF	2	P-R	-	-	-	Clean.	PCF	CHALK
54	98.64-98.65	BF	10	U-R	-	-	-	Clean.	PCF	CHALK
55	98.83	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
56	98.87	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
57	99.06-99.07	J	12	S-R	-	-	-	Clean.	PCF	CHALK
58	99.13	BF	5	P-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
59	99.24-99.27	J	16	U-R	-	-	-	Clean.	PCF	CHALK
60	99.35	BF	6	U-R	-	-	-	Clean.	PCF	CHALK
61	99.36	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
62	99.69-99.80	J	85	S-R	-	-	-	Clean.	PCF	CHALK
63	99.80	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
64	100.10-100.18	J	86	U-R	-	-	-	Clean.	PCF	CHALK
65	100.12-100.25	J	85	U-R	-	-	-	Clean.	PCF	CHALK

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Sizewell C Onshore GI Phase 2 2019

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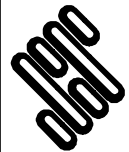
SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
66	100.18	BF	2	P-R	-	-	-	Clean.	PCF	CHALK
67	100.18-100.25	J	80	P-R	-	-	-	Clean.	PCF	CHALK
68	100.25-100.26	BF	10	U-R	-	-	-	Clean.	PCF	CHALK
69	100.58	BF	9	U-R	-	-	-	Clean.	PCF	CHALK
70	100.69-100.70	BF	10	S-R	-	-	-	Clean.	PCF	CHALK
71	100.94	BF	5	U-R	-	-	-	Clean.	PCF	CHALK
72	101.08	BF	6	U-R	-	-	-	Clean.	PCF	CHALK
73	101.36	BF	9	U-R	-	-	-	Clean.	PCF	CHALK
74	101.71	BF	4	P-R	-	-	-	Clean.	PCF	CHALK
75	101.92	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
76	102.37-102.38	J	15	U-R	-	-	-	Clean.	PCF	CHALK
77	102.55	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
78	102.73	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
79	103.15	J	11	U-R	-	-	-	Clean.	PCF	CHALK
80	103.73-103.77	J	30	U-R	-	-	-	Clean.	PCF	CHALK
81	104.12	BF	7	U-R	-	-	-	Clean.	PCF	CHALK

Key:

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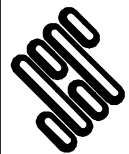
SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
82	104.22	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
83	104.46	BF	7	U-R	-	-	-	Clean.	PCF	CHALK
84	104.70	BF	9	U-R	-	-	-	Clean.	PCF	CHALK
85	104.70-104.75	J	31	U-R	-	-	-	Clean.	PCF	CHALK
86	105.50	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
87	105.67	BF	6	U-R	-	-	-	Clean.	PCF	CHALK
88	105.70-105.72	J	12	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
89	106.23	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
90	106.59	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
91	106.62	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
92	106.74	BF	5	U-R	-	-	-	Clean.	PCF	CHALK
93	107.13	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
94	107.13-107.26	J	73	P-R	-	-	-	Frequent black specks, unstained, no infill.	PCF	CHALK
95	107.32	BF	2	U-R	-	-	-	Clean.	PCF	CHALK

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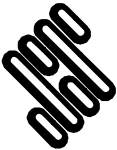
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SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
96	107.46-107.49	J	30	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
97	107.78-107.80	J	12	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
98	107.96-107.97	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
99	108.17-108.27	J	85	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
100	108.27	BF	4	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
101	108.37-108.41	J	27	S-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
102	108.72	BF	6	U-R	-	-	-	Clean.	PCF	CHALK
103	108.88	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
104	108.93	BF	4	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
105	108.98-109.03	J	52	S-R	-	-	-	Occasional black specks,	PCF	CHALK

Key:
 Type codes: BF = Bedding fracture, J = Joint.
 Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:		
	[REDACTED]		KJOHNSTONE	15.05.20	734318	
	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 8 of 12 [REDACTED]		

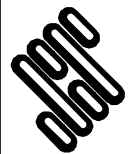
SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
106	109.16	BF	3	P-R	-	-	-	Clean.	PCF	CHALK
107	109.48	BF	2	P-R	-	-	-	Clean.	PCF	CHALK
108	109.71-109.73	BF	10	S-R	-	-	-	Clean.	PCF	CHALK
109	109.97	BF	9	U-R	-	-	-	Clean.	PCF	CHALK
110	110.11-110.13	J	20	P-R	-	-	-	Clean.	PCF	CHALK
111	110.21	BF	6	U-R	-	-	-	Clean.	PCF	CHALK
112	110.32	BF	9	U-R	-	-	-	Clean.	PCF	CHALK
113	110.39	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
114	110.61	BF	4	P-R	-	-	-	Clean.	PCF	CHALK
115	110.96	BF	10	U-R	-	-	-	Clean.	PCF	CHALK
116	111.08	BF	2	P-R	-	-	-	Clean.	PCF	CHALK
117	111.46	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
118	111.59	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
119	111.82-111.83	BF	10	P-R	-	-	-	Clean.	PCF	CHALK
120	112.00	BF	9	P-R	-	-	-	Clean.	PCF	CHALK

Key:

Type codes: BF = Bedding fracture, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.



STRUCTURAL SOILS
The Old School
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Bristol BS3 4EB

Compiled By

KJOHNSTONE

Date

15.05.20

Contract Ref:

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Contract:

Sizewell C Onshore GI Phase 2 2019

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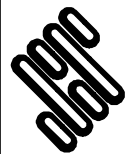
SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
121	112.11	BF	5	P-R	-	-	-	Clean.	PCF	CHALK
122	112.40-112.46	J	41	S-R	-	-	-	Clean.	PCF	CHALK
123	112.78	BF	2	P-R	-	-	-	Clean.	PCF	CHALK
124	113.09	BF	10	P-R	-	-	-	Clean.	PCF	CHALK
125	113.30	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
126	113.58	BF	5	P-R	-	-	-	Clean.	PCF	CHALK
127	113.90-113.91	BF	10	P-R	-	-	-	Clean.	PCF	CHALK
128	114.17	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
129	114.21	BF	5	U-R	-	-	-	Clean.	PCF	CHALK
130	114.59	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
131	114.71	BF	2	U-R	-	-	-	Clean.	PCF	CHALK
132	115.18-115.20	J	16	S-R	-	-	-	Clean.	PCF	CHALK
133	115.58	BF	6	P-R	-	-	-	Clean.	PCF	CHALK
134	115.72	BF	10	P-R	-	-	-	Clean.	PCF	CHALK
135	115.77	BF	10	P-R	-	-	-	Clean.	PCF	CHALK
136	116.03	BF	5	U-R	-	-	-	Clean.	PCF	CHALK

Key:

Type codes: BF = Bedding fracture, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.



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Sizewell C Onshore GI Phase 2 2019

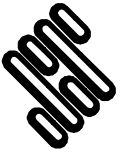
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SUMMARY OF DISCONTINUITIES - SD2019_3

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
137	116.08	BF	3	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
138	116.17	BF	9	U-R	-	-	-	Clean.	PCF	CHALK
139	116.39	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
140	116.43	BF	7	U-R	-	-	-	Clean.	PCF	CHALK
141	116.78	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
142	116.84	BF	3	U-R	-	-	-	Clean.	PCF	CHALK
143	117.09	BF	5	S-R	-	-	-	Clean.	PCF	CHALK
144	117.25-117.30	J	60	U-R	-	-	-	Clean.	PCF	CHALK
145	117.34	BF	10	U-R	-	-	-	Clean.	PCF	CHALK
146	117.59	BF	8	U-R	-	-	-	Clean.	PCF	CHALK
147	117.80-117.83	J	20	U-R	-	-	-	Clean.	PCF	CHALK
148	118.13	BF	4	U-R	-	-	-	Clean.	PCF	CHALK
149	118.33-118.35	J	19	U-R	-	-	-	Clean.	PCF	CHALK
150	118.60-118.66	J	32	P-R	-	-	-	Clean.	PCF	CHALK
151	118.77-118.80	J	22	U-R	-	-	-	Clean.	PCF	CHALK

Key:
 Type codes: BF = Bedding fracture, J = Joint.
 Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.

 <p>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</p>	Compiled By		Date	Contract Ref:		
	[REDACTED]		KJOHNSTONE	15.05.20	734318	
	Contract: Sizewell C Onshore GI Phase 2 2019			Page: 11 of 12 [REDACTED]		



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318		Start: 30.08.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 2 of 56
End: 10.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
5.00-6.50				100	0	0					Very soft dark bluish grey CLAY with occasional plant remains. (SUPERFICIAL DEPOSITS - CLAY)		-3	5 (1.66)	
5.95-5.95	108 7	ES ES	1xT+2xJ+1xV 1xT+1xJ+1xV	100	0	0					Interbedded spongy thinly bedded black mottled brown psuedofibrous PEAT and very thinly to thinly bedded soft grey slightly sandy CLAY with occasional plant remains up to 12 x 6mm. Sand is fine to medium. (SUPERFICIAL DEPOSITS - PEAT)		-4.22	5.93	6
6.50-8.00				100	0	0							-5	(1.93)	7
7.90-8.00-9.50	109 8	ES ES	1xT+2xJ+1xV 1xT+1xJ+1xV	100	0	0					Spongy black psuedofibrous PEAT with occasional pockets of light grey silt. (SUPERFICIAL DEPOSITS - PEAT)		-6.15	7.86	8
8.60-8.60	110 9	ES ES	1xT+2xJ+1xV 1xT+1xJ+1xV	100	0	0					Dark grey fine to medium SAND. (SUPERFICIAL DEPOSITS - SAND)		-6.89	8.60	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
06/09/19		12.50	None	178	1.10
06/09/19		20.00	None	178	2.80
09/09/19		20.00	None	178	1.60
09/09/19		24.50	None	178	4.00
10/09/19		24.50	None	178	1.40
10/09/19		41.00	None	178	1.20
11/09/19		41.00	None	178	1.15
11/09/19		45.50	None	178	9.20

General Remarks

7. 100mm pipe was installed to 55.00m depth to allow the PSSL logging to be carried out. The pipe was then grouted to ground level.

All dimensions in metres

Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 3 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
9.50-11.00				100	0	0					<p>... 9.70-9.88m: frequent fine to medium gravel sized rounded flint.</p> <p>... 9.92m: becoming yellowish brown.</p>		(1.80)	9	
11.00-12.50				100	0	0					<p>Yellowish brown mottled green clayey fine to medium SAND. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))</p> <p>Greenish grey mottled orangish brown fine to coarse SAND with frequent shell fragments and frequent flasers of soft brown clay up to 70mm thick. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))</p>		(0.52)	10	
12.50-14.00				100	0	0					<p>... 12.43-12.50m: sand becoming fine.</p> <p>... 13.23m: single medium gravel sized claystone.</p>		(10.92)	11	

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
12/09/19		45.50	None	178	-
14/10/19	08:00	8.00	8.00	203	0.50
14/10/19	18:00	30.00	30.00	203	1.60
15/10/19	08:00	30.00	30.00	203	1.80
15/10/19	18:00	34.50	34.50	203	0.00
16/10/19	08:00	34.50	34.50	203	1.60
16/10/19	18:00	47.50	46.30	203	2.50
18/10/19	08:00	59.40	46.50	203	2.80

All dimensions in metres		Scale: 1:25
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Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By:
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 4 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
14.00-15.50				100	0	0							-12	14	
15.50-17.00				100	0	0					... 15.28m: flasers of clay becoming rare.		-13	15	
17.00-18.50				100	0	0					... 15.82-15.92m stiff light grey flaser of clay with claystones up to 13mm.		-14	16	
				100	0	0							-15	17	
				100	0	0							-16		

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
18/10/19	12:00	63.90	46.30	203	1.80
21/10/19	12:00	63.90	46.30	203	3.20
21/10/19	17:30	65.40	46.30	203	0.50
22/10/19	08:30	65.40	46.50	203	-
22/10/19	17:30	71.30	46.50	203	0.60
23/10/19	08:00	71.30	46.50	203	-
23/10/19	17:30	86.30	46.50	203	-
24/10/19	08:00	86.30	46.50	203	0.00

All dimensions in metres		Scale: 1:25
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Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 5 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
18.50-20.00				100	0	0					... 18.42-18.47m: flaser of stiff brown silt. Light grey slightly silty fine to medium SAND with occasional shell fragments. (NORWICH CRAG FORMATION (UNDIFFERENTIATED))		18.42	18.47	
20.00-21.50				100	0	0					... 20.12-20.28m: frequent fine to medium gravel sized subrounded siltstone.		(3.03) 20		
21.50-23.00				100	0	0					Light greenish grey fine to coarse SAND with abundant shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED))		19.79	21.50	

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
24/10/19	17:30	99.80	46.50	203	-
25/10/19	08:00	99.80	46.50	203	0.00
25/10/19	17:00	102.80	46.50	203	0.00
26/10/19	08:00	102.80	46.50	203	0.00
26/10/19	16:00	102.80	46.50	203	0.00
27/10/19	08:00	102.80	46.50	203	0.00
27/10/19	16:00	105.80	46.50	203	0.00
28/10/19	07:30	105.80	46.50	203	0.00

All dimensions in metres		Scale: 1:25
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Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By:
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 6 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
23.00-24.50				100	0	0					Light grey slightly gravelly fine to medium SAND with rare shell fragments. Gravel is subrounded fine to medium of siltstone. (RED CRAG FORMATION (UNDIFFERENTIATED))		-21	23.00-23.06	
24.50-26.00				100	0	0					... 25.18-25.21m: medium gravel sized subangular claystone. ... 25.36-25.39m: very thin bed of stiff light grey silt.		-22	24 (2.62)	
26.00-27.50				100	0	0					Light grey slightly gravelly fine to medium SAND with rare shell fragments. Gravel is subrounded fine to medium of siltstone. Frequent very thin beds of stiff light grey silt. (RED CRAG FORMATION (UNDIFFERENTIATED))		-23	25	
				100	0	0					Light grey slightly gravelly fine to medium SAND with rare shell fragments. Gravel is subrounded fine to medium of siltstone. Abundant very thin to thin beds of stiff light grey silt. (RED CRAG FORMATION (UNDIFFERENTIATED))		-24	26 (0.86)	
													-24.83	26.54	
													-25	(0.40)	

Boring Progress and Water Observations

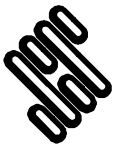
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
28/10/19	16:00	113.30	46.50	203	0.50
29/10/19	07:30	113.30	46.50	203	0.00
29/10/19	16:30	117.80	46.50	203	0.00
30/10/19	07:30	117.80	46.50	203	0.00
30/10/19	16:00	120.00	46.50	203	0.00
05/11/19	10:00	120.00	46.50	203	0.00
05/11/19	16:00	120.00	46.50	203	0.00
06/11/19	12:30	120.00	46.50	203	0.00

General Remarks

All dimensions in metres		Scale: 1:25
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Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 7 of 56	
End: 10.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
27.50-29.00				100	0	0					Greenish grey mottled dark grey fine to medium SAND with abundant comminuted shells and occasional flasers of soft greenish grey silt. (RED CRAG FORMATION (UNDIFFERENTIATED))		25.23	26.94		
				100	0	0					... 27.98-28.00m: thin bed of stiff grey silt.					
29.00-30.50				100	0	0										
				100	0	0					... 30.72-30.73m: thin bed of soft greenish grey silt.					
30.50-32.00				100	0	0										
				100	0	0					... 31.18m: coarse gravel sized rounded flint.					

Boring Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth		
06/11/19	16:30	120.00	46.50	203	0.00		
07/11/19	08:00	120.00	46.50	203	0.00		
07/11/19	16:00	120.00	46.50	203	0.00		
08/11/19	07:30	120.00	46.50	203	0.00		
08/11/19	15:00	120.00	46.50	203	6.50		
09/11/19	08:00	55.00	46.50	203	0.00		
09/11/19	16:00	55.00	46.50	203	0.00		
10/11/19	08:00	120.00	46.50	203	0.00		

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By:
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318		Start: 30.08.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 8 of 56
End: 10.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
32.00-33.50				100	0	0										
				100	0	0					... 32.36m: becoming slightly silty.					
33.50-35.00				100	0	0										
				100	0	0										
35.00-36.50				100	0	0										

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
10/11/19	16:00	120.00	0.00	203	0.60	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 9 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
36.50-38.00				100	0	0					Light grey gravelly fine to medium SAND with rare shell fragments. Gravel is angular to subangular fine to medium of siltstone. (RED CRAG FORMATION (UNDIFFERENTIATED))		34.25	35.96	
											Greenish grey mottled dark grey fine to medium SAND with abundant comminuted shells and occasional flasers of soft greenish grey silt. (RED CRAG FORMATION (UNDIFFERENTIATED))		34.74	36.45	
											Greenish grey mottled dark grey silty fine to medium SAND with abundant comminuted shells and occasional flasers of soft greenish grey silt. (RED CRAG FORMATION (UNDIFFERENTIATED))		34.87	36.58	
38.00-39.50				100	0	0					... 37.94m: thin bed of soft greenish grey silt. ... 38.00m: flasers of silt becoming rare.				
											... 38.25m: fully intact gastropod shell up to 8 x 20m.				
39.50-41.00				100	0	0									

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 10 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
41.00-42.50				100	0	0					... 41.35m: intact gastropod shell up to 21 x 43mm.					
42.50-44.00				100	0	0										
44.00-45.50				100	0	0										
				100	0	0						Stiff very closely fissured dark brownish grey micaceous clayey SILT with widely spaced thin beds of very stiff volcaniclastic silt/clay and with rare lenses of light brown fine sand. Fissures are randomly orientated planar smooth.				

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 11 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
45.50-46.00				100	0	0					(HARWICH FORMATION, WRABNESS MEMBER) ... 45.32m: becoming slightly sandy. Sand is fine to medium.			45	X
46.00-47.50				100	0	0		90% Water (Grey)			... 46.49-46.68m: very stiff dark grey volcanoclastic silt. ... 46.76-46.92m: very stiff dark grey volcanoclastic silt.			44 (2.37) 46	X
47.50-48.90				100	0	0		90% Water (Grey)			Stiff extremely closely to very closely fissured thinly laminated dark grey bioturbated micaceous glauconitic silty CLAY with widely spaced thin beds of very stiff volcanoclastic silt/clay and with occasional lenses of light brown fine to medium sand. Fissures are randomly orientated planar rough and smooth. Burrows are up to 15 x 4mm infilled with light grey silt. (HARWICH FORMATION, WRABNESS MEMBER) ... 47.54-47.67m: firm dark grey volcanoclastic silt/clay. ... 47.85m: becoming very micaceous.			45 46 (1.70) 47	X
48.90-50.40				100	0	0					Very strong dark bluish grey argillaceous LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND) Very stiff extremely closely to closely fissured thinly laminated dark grey very micaceous glauconitic silty CLAY with medium spaced very thin to thin beds of very stiff volcanoclastic silt/clay. Fissures are randomly orientated planar smooth or rough matt or polished. (HARWICH FORMATION, WRABNESS MEMBER)			46.91 47.02 48.62 48.73 49	X

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390 + Comacchio MC450-P1		Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 12 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
49.38-49.43m				100	0	0					... 49.38-49.43m: very stiff dark grey volcanoclastic silt.		-48		X	
50.40-51.90											... 50.09-50.17m: very stiff dark grey volcanoclastic silt. ... 50.24-50.27m: very stiff dark grey volcanoclastic silt.		50 (3.13)		X	
50.69-50.92	1	C									... 50.92-50.99m: very stiff dark grey volcanoclastic silt. ... 51.20-51.42m: very stiff dark grey volcanoclastic silt/clay. ... 51.52-51.65m: closely spaced laminations of dark grey clay. ... 51.70-51.80m: very stiff dark grey volcanoclastic silt/clay.		-49		X	
51.90-53.40				100	0	0					Very stiff extremely closely to very closely fissured thinly laminated dark grey micaceous glauconitic CLAY. Fissures are randomly orientated planar smooth or rough striated. (HARWICH FORMATION, WRABNESS MEMBER)		51		X	
52.20-52.45	2	C									Very strong dark grey LIMESTONE with frequent calcite veins up to 95 x 7mm with predominantly coarse gravel sized crystals. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-50		X	
53.40-54.90				67	0	0					Very stiff extremely closely to very closely fissured thinly laminated dark grey bioturbated micaceous glauconitic CLAY. Fissures are randomly orientated planar smooth or rough striated. Burrows are up to 7 x 3mm infilled with dark grey silt. (HARWICH FORMATION, ORWELL MEMBER)		-50.15 -50.77 -50.88	51.86 52.48 52.59		X
53.58-54.02	3	C		100	0	0					Assume zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-51		X	
											Very stiff extremely closely to very closely fissured thinly laminated dark grey bioturbated micaceous glauconitic CLAY. Fissures are randomly orientated planar smooth or rough striated. Burrows are up to 7 x 3mm infilled with dark grey silt.		-51.19	52.90		X

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						
Plant Used:		Hand tools + SDC 390 + Comacchio MC450-P1		Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
All dimensions in metres						Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 13 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
54.02-54.70	4	C		100	0	0					(HARWICH FORMATION, ORWELL MEMBER) ... 53.40-53.58m: becoming silty.			54	
54.70-54.80	1	D									... 54.75-54.82m: closely spaced laminations of dark grey silt.		-53		
54.90-56.40											... 54.93m: frequent lenses of light brown fine sand.			55	
55.02-55.48	5	C													
55.48-55.82	6	C		100	0	0							(4.34)		
55.94-56.20	7	C									... 55.82-55.94m: closely spaced laminations of dark grey silt.		-54	56	
56.40-57.90	8	C													
56.40-56.79															
56.79-57.35	9	C													
57.35-57.74	10	C		100	0	0									
57.90-59.40											Firm dark brown mottled black sandy slightly gravelly SILT. Sand is fine to medium. Gravel is subrounded to rounded fine to medium of flint. (HARWICH FORMATION, ORWELL MEMBER) Minimal recovery (9%). Recovered as black clayey subrounded to rounded fine to coarse GRAVEL of flint. (HARWICH FORMATION, IPSWICH MEMBER)		-56.68	57.74	x
				9	0	0							-56.19	57.90	x
															MR / AZCL

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By:
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 14 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
59.40-60.15 59.40-59.50	2	D		9	0	0		90% Water (Dark Grey)			Partial recovery (47%). Recovered as light yellowish brown slightly gravelly fine SAND. Gravel is subangular to rounded fine to coarse of limestone and flint. (READING FORMATION)		(1.50) -57	59	MR / AZCL
60.15-60.90				47	0	0		90% Water (Dark Grey)			Soft dark brown very gravelly CLAY. Gravel is subrounded to rounded fine to coarse of flint. (READING FORMATION)		-58.44 -58.57	60.15 60.28	
60.90-61.65				65	0	0		90% Water (Dark Grey)			Very strong light grey coarse grained LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		-58.93	60.64	
61.65-62.40				31	0	0		90% Water (Dark Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-59	60.90	AZCL
62.40-63.15				0	0	0		90% Water (Dark Grey)			Partial recovery (31%). Recovered as stiff light brown mottled grey slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of claystone and limestone and very strong light grey LIMESTONE. (READING FORMATION)		-60	61	PR / AZCL
				0	0	0		90% Water (Dark Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-60.69	62.40	AZCL
				0	0	0		90% Water (Dark Grey)					-61	(0.75)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Signature]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 15 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
63.15-63.90				0	0	0		90% Water (Dark Grey)			Light brown mottled grey slightly silty SAND. (READING FORMATION) ... 63.36m: becoming interbedded with thinly laminated dark grey silt.		-61.44	63.15	AZCL
63.90-65.40				100	0	0		90% Water (Dark grey)			Stiff dark bluish grey micaceous sandy SILT. Sand is fine to medium. (READING FORMATION)		-61.89	63.60	
65.40-66.80				100	0	0		90% Water (Dark grey)			Stiff bluish grey micaceous silty CLAY with lenses of light grey silt up to 8 x 3mm and lenses of light yellow fine sand up to 13 x 9mm. (READING FORMATION)		-62	63.96	
66.80-68.30				100	0	0		90% Water (Dark grey)			... 66.33-66.51m: becoming silty fine to medium SAND. ... 66.91m: rounded medium gravel sized flint.		-63	66	
				66	0	0							-64	67	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1 Drilled By: NGrew + MVeckagans Logged By: RAndrews + SHinton Checked By:						All dimensions in metres Scale: 1:25

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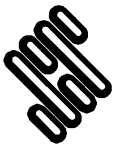


Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 16 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
68.30-69.05				66	0	0		90% Water (Dark grey)			Light yellowish brown silty fine to medium SAND interbedded with thinly laminated extremely closely spaced dark grey SILT. (READING FORMATION) ... 67.66m: becoming yellowish brown slightly silty fine SAND. Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-65.75	67.46	X
													-66		X
													-66.08	67.79	X
														68	
														(1.26)	AZCL
													-67		
69.05-69.80								90% Water (Dark grey)			Partial recovery (31%). Recovered as stiff dark grey micaceous slightly sandy CLAY. Sand is fine to medium. (READING FORMATION) ... 69.25m: becoming sandy.		-67.34	69.05	
														(0.75)	PR / AZCL
													-68		
													-68.09	69.80	
69.80-70.55								90% Water (Dark grey)			Dark yellowish grey slightly clayey fine to medium SAND. (READING FORMATION) ... 70.08m: becoming very clayey.			(0.47)	
													-68.50	70.21	
													-69	(1.09)	AZCL
														71	
71.31-72.05								90% Water (Dark grey)			Partial recovery (27%). Recovered as dark greenish grey slightly silty fine to medium SAND. (READING FORMATION)		-69.59	71.30	
														(0.75)	PR / AZCL
													-70		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1
Drilled By: NGrew + MVeckagans			Logged By: RAndrews + SHinton			Checked By: [Redacted]
All dimensions in metres						Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1		Sheet: 17 of 56

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
72.05-72.80				27	0	0		90% Water (Dark grey)			Dark grey slightly silty fine to medium SAND. (READING FORMATION)		-70.34	72.05	PR / AZCL
72.80-74.30				100	0	0		90% Water (Dark grey)			Partial recovery (26%). Recovered as dark grey slightly silty fine to medium SAND. (READING FORMATION)		-71.09	72.80	
74.30-75.80				26	0	0		90% Water (Dark grey)			Very stiff extremely closely to closely fissured thinly laminated dark brown bioturbated glauconitic micaceous CLAY with occasional lenses of light brown fine to medium sand. Fissures are randomly orientated planar smooth or rough matt. Burrows are up to 13 x 4mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) ... 74.46m: becoming very glauconitic.		-72.59	74.30	PR / AZCL
74.62-74.92	11	C		100	0	0		90% Water (Dark grey)					-73	75	
75.41-75.64	12	C													
75.70-75.80	3	D											-74		
75.80-77.30															
76.15-76.52	13	C		100	0	0								76	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1 Drilled By: NGrew + MVeckagans Logged By: RAndrews + SHinton Checked By:						All dimensions in metres Scale: 1:25

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318		Start: 30.08.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 18 of 56
End: 10.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
77.30-78.80				100	0	0		90% Water (Dark grey)					-75	77	
77.50-77.80	14	C											(6.67)		
77.80-78.10	15	C											-76	78	
78.10-78.40	16	C		100	0	0		90% Water (Dark grey)					-77		
78.80-80.30	4	D											-77	79	
78.80-78.90															
80.30-81.80	17	C		100	0	0		90% Water (Dark grey)					-78	80	
80.30-80.74													-79		

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... 78.50m: becoming silty with occasional pockets of light brown fine - medium sand up to 15 x 9mm.

... 79.18m: becoming bioturbated. Borrows are up to 10 x 3mm infilled with light grey silt.

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318		Start: 30.08.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 19 of 56
End: 10.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
81.03-81.30	18	C		100	0	0		90% Water (Dark grey)			Very stiff extremely closely to very closely fissured dark reddish brown bioturbated glauconitic micaceous silty CLAY. Fissures are randomly orientated planar smooth or matt. Burrows are up to 12 x 6mm infilled with white silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)		-79.26	80.97	
81.45-81.72	19	C													
81.80-83.30	5	D									... 81.93: becoming relatively less silty.				
81.80-81.90												... 82.14m: rare pockets of yellowish brown fine to medium sand up to 15 x 10mm.			
				75	0	0		90% Water (Dark grey)							
											Very stiff dark green micaceous glauconitic slightly gravelly CLAY. Gravel is subrounded to subangular medium to coarse of flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1)				
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
83.30-84.80											Very weak medium density medium jointed (NI/265/800) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 2-10° medium spaced (70/420/1440) planar or undulating or stepped rough clean or with no black specks, lightly stained yellow, no infill. Gently inclined joints: 22-27° widely spaced (870/1011/1385) planar or undulating rough clean. Inclined joints: 32-40° widely spaced (665/1687/3140) planar or undulating rough clean or with no black specks, lightly stained yellow, no infill. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade A2)				
				100	89	81		90% Water (Grey)			... 83.30-83.42m: flint band. Fine to medium gravel size fragments of nodular flint with thick cortexes. ... 84.03m: belemnite fragment up to 12 x 5mm. ... 84.36m: rare phosphate nodules up to 12 x 7mm.				
84.80-86.30											Medium strong very high density medium jointed (NI/265/800) white burrow mottled light grey locally green glauconite mineralised CHALK with rare black specks. Bedding fractures: 2-10° medium spaced (70/420/1440) planar or undulating or stepped rough clean or with no black specks, lightly stained yellow, no infill. Gently inclined joints: 22-27° widely spaced (870/1011/1385) planar or undulating rough clean. Inclined joints: 32-40° widely spaced (665/1687/3140) planar or undulating rough clean or with no black				
				91	30	27									

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored		Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton
					Checked By:	

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318		Start: 30.08.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 21 of 56
End: 10.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
90.80-92.30				100	91	86		90% Water (Light grey)			rough clean. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2) ... 89.30m: flint band. Medium gravel size fragment of nodular flint with a thin cortex.			90	
											... 90.57-90.62m: flint band. Fine gravel size fragments of nodular flint with thin cortices. ... 90.57-90.69m: non-intact. ... 90.73m: fragments of echinoid shell up to 35 x 22mm.				
92.30-93.80				100	89	84		90% Water (Light grey)			... 91.14-91.20m: non-intact.			(3.80)	
											... 92.30m: 300mm of dark brown fine to medium sand at the top of the run, probably from material from drill tank.				
93.80-95.30				54	48	40		90% Water (Light grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)			(0.70)	AZCL
											Very weak medium density medium jointed (NI/307/1755) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 4-10° medium spaced (60/525/2030) planar or undulating or stepped rough clean. Gently inclined joints: 16-27° widely spaced (95/723/2115) planar or undulating rough clean or with no black specks, lightly stained yellow, no infill. Steeply inclined joints: 79° undulating			93	
				100	69	59								94	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						
Plant Used:		Hand tools + SDC 390 + Comacchio MC450-P1		Drilled By: NGrew + MVeckagans		
Scale: 1:25		All dimensions in metres		Logged By: RAndrews + SHinton		
Checked By:				Checked By:		

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 22 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
95.30-96.80				100	69	59		90% Water (Light grey)			rough clean. (PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) Grade A2) ... 93.80-93.96m: non-intact. ... 94.21m: black sponge bed. ... 94.32-94.41m: non-intact. ... 94.41m: Assumed zone of core loss. ... 95.05-95.30m: non-intact. Very weak medium density medium jointed (NI/365/1870) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (30/480/2260) planar or undulating rough generally clean locally with occasional black specks, lightly stained yellow, no infill. Gently inclined joints: 12-29° very widely spaced (150/2359/5885) planar or undulating or stepped rough clean. Inclined joints: 31-36° very widely spaced (1545/5190/9840) planar or undulating rough clean. Steeply inclined joints: 64-78° very widely spaced (495/6493/15790) planar rough clean or undulating striated with abundant black specks, unstained, no infill, polished, mineralised. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A2) ... 95.07-95.15m: weak to medium strong high to very high density locally green glauconite-mineralised hard ground. ... 96.71-98.80m: Assumed zone of core loss. ... 96.80m: belemnite rostrum up to 33 x 9mm. ... 96.80-96.99m: non-intact. ... 96.90-97.08m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. ... 97.70m: shell fragments up to 22 x 14mm. ... 98.76m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.				
96.80-98.30				94	94	94		90% Water (Light grey)							
98.30-99.80				100	78	73		90% Water (Light grey)							
				100	89	84		90% Water (Light grey)							

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 23 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
99.80-101.30				100	89	84		90% Water (Light grey)			... 99.57m: black sponge bed. ... 99.67-99.80m: non-intact.				
101.30-102.80				100	88	80		90% Water (Grey)			... 99.87m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 101.04m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 101.14-101.30m: non-intact.				
102.80-104.30				39	25	25		90% Water (Light grey)			Partial recovery (39%). Recovered as very weak medium density medium jointed (NI/365/1870) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (30/480/2260) planar or undulating rough generally clean locally with occasional black specks, lightly stained yellow, no infill. Gently inclined joints: 12-29° very widely spaced (150/2359/5885) planar or undulating or stepped rough clean. Inclined joints: 31-36° very widely spaced (1545/5190/9840) planar or undulating rough clean. Steeply inclined joints: 64-78° very widely spaced (495/6493/15790) planar rough clean or undulating striated with abundant black specks, unstained, no infill, polished, mineralised. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER)				
				100	86	73		90% Water (Grey)			Very weak medium density medium jointed (NI/365/1870) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (30/480/2260) planar or undulating rough generally clean locally with occasional black specks, lightly stained yellow, no infill. Gently inclined joints: 12-29° very widely spaced (150/2359/5885) planar or undulating or stepped rough clean. Inclined				

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 24 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
104.30-105.80				100	86	73		90% Water (Grey)			joints: 31-36° very widely spaced (1545/5190/9840) planar or undulating rough clean. Steeply inclined joints: 64-78° very widely spaced (495/6493/15790) planar rough clean or undulating striated with abundant black specks, unstained, no infill, polished, mineralised. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A2) . . . 102.80-102.94m: flint band. Fine to medium gravel size fragments of nodular flint with thin cortexes. . . . 102.94-103.68m: core thinned by drilling. . . . 104.04-104.28m: non-intact. . . . 104.22-104.30m: non-intact. . . . 104.30-104.34m: non-intact.		-102	104	
105.80-107.30				100	73	58		90% Water (Grey)			. . . 105.52-105.64m: non-intact. . . . 105.70-105.80m: non-intact. . . . 105.80-105.82m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.		-103	105	
107.30-108.80				100	93	83		90% Water (Grey)			. . . 106.52-106.58m: black sponge bed. . . . 106.57-106.62m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. . . . 106.92-107.09m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.		-104	106	
				100	89	89		90% Water (Grey)					-105	107	
													-106		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1
Drilled By: NGrew + MVeckagans			Logged By: RAndrews + SHinton			Checked By:
All dimensions in metres						Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 25 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
108.80-110.30				100	89	89		80% Water (Light grey)			... 108.13m: shell fragments up to 14mm x 9mm. ... 108.33m: flint band. Fine gravel size shell fragments of nodular flint with thin cortexes. ... 108.68m: non-intact.	69 70 71	-107 -107.09	108	
110.30-111.80				31	19	7		80% Water (Light grey)			Partial recovery (39%). Recovered as very weak medium density medium jointed (NI/365/1870) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (30/480/2260) planar or undulating rough generally clean locally with occasional black specks, lightly stained yellow, no infill. Gently inclined joints: 12-29° very widely spaced (150/2359/5885) planar or undulating or stepped rough clean. Inclined joints: 31-36° very widely spaced (1545/5190/9840) planar or undulating rough clean. Steeply inclined joints: 64-78° very widely spaced (495/6493/15790) planar rough clean or undulating striated with abundant black specks, unstained, no infill, polished, mineralised. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER) ... 108.88m-109.09m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	72 73 74 75	-108°	109	PR/AZCL
111.80-113.30				100	84	70		80% Water (Light grey)			Very weak medium density medium jointed (NI/365/1870) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (30/480/2260) planar or undulating rough generally clean locally with occasional black specks, lightly stained yellow, no infill. Gently inclined joints: 12-29° very widely spaced (150/2359/5885) planar or undulating or stepped rough clean. Inclined joints: 31-36° very widely spaced (1545/5190/9840) planar or undulating rough clean. Steeply inclined joints: 64-78° very widely spaced (495/6493/15790) planar rough clean or undulating striated with abundant black specks, unstained, no infill, polished, mineralised. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A2) ... 110.41m-110.47m: non-intact. ... 110.79m-110.83m: non-intact. ... 110.92m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 111.32m-111.39m: shear 64° undulating striated with abundant black specks, unstained no infill, mineralised, polished. ... 111.73m-111.80m: non-intact. ... 111.89m: flint band. Fine gravel size fragments of nodular flint with thin cortexes.	76 77 78 79 80 81 82	-109°	110 111	
				100	90	71		80% Water (Light grey)				83 84 85	-110°	112	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1 Drilled By: NGrew + MVeckagans Logged By: RAndrews + SHinton Checked By:						All dimensions in metres Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 26 of 56	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
113.30-114.80				100	90	71		80% Water (Light grey)			... 113.20m: non-intact. ... 113.30m-113.59m: non-intact.		-111	(4.50)	
114.80-116.30				100	77	69		90% Water (Light grey)			... 113.52m-113.59m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 114.37m-114.53m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 114.64m: non-intact.		-112	114	
116.30-117.80				31	17	0		80% Water (Light grey)			Partial recovery (31%). Recovered as very weak medium density medium jointed (NI/365/1870) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (30/480/2260) planar or undulating rough generally clean locally with occasional black specks, lightly stained yellow, no infill. Gently inclined joints: 12-29° very widely spaced (150/2359/5885) planar or undulating or stepped rough clean. Inclined joints: 31-36° very widely spaced (1545/5190/9840) planar or undulating rough clean. Steeply inclined joints: 64-78° very widely spaced (495/6493/15790) planar rough clean or undulating striated with abundant black specks, unstained, no infill, polished, mineralised. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER) ... 114.80m-115.26m: non-intact induced by drilling. ... 114.89m-115.00m: black specks becoming occasional.		-113	115	PR / AZCL
				100	90	75					Very weak medium density medium jointed (NI/365/1870) white burrow mottled light grey CHALK with rare black specks. Bedding fractures: 1-10° medium spaced (30/480/2260) planar or undulating rough generally clean locally with occasional black specks, lightly stained yellow, no infill. Gently inclined joints: 12-29° very widely spaced (150/2359/5885) planar or undulating or stepped rough clean. Inclined		-114	116	
													-113.09	114.80	
													-114.59	116.30	
													-115		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored		Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton
					Checked By:	

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STRUCTURAL SOILS

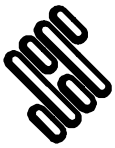
BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4	
Contract Ref: 734318	Start: 30.08.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 27 of 56	
End: 10.11.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
117.80-119.30				100	90	75		90% Water (Light grey)			joints: 31-36° very widely spaced (1545/5190/9840) planar or undulating rough clean. Steeply inclined joints: 64-78° very widely spaced (495/6493/15790) planar rough clean or undulating striated with abundant black specks, unstained, no infill, polished, mineralised. (PORTSDOWN FORMATION, PRE-WEYBOURNE CHALK MEMBER Grade A2) ... 116.92m-116.99m: black sponge bed. ... 117.58m-117.64m: black sponge bed.			117	
				100	89	85		90% Water (Grey)			... 118.21m-118.27m: black sponge bed. ... 118.81m-118.90m: black sponge bed. ... 119.15m-119.30m: non-intact.			118 (3.70)	
119.30-120.00				100	100	100		90% Water (Grey)			... 119.52m: shell fragments up to 12mm x 10mm. ... 119.65m-119.76m: black sponge beds. ... 119.82m-119.94m: thinned by drilling.			119	
											Borehole terminated at 120.00m depth with 200mm of over-recovery (120.20m)			120	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						
Plant Used:		Hand tools + SDC 390 + Comacchio MC450-P1		Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By:
All dimensions in metres						Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 28 of 56

SD2019_4 1.20m-3.50m depth.



SD2019_4 3.50m-6.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 29 of 56

SD2019_4 6.50m-9.50m depth.



SD2019_4 9.50m-12.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 30 of 56

SD2019_4 12.50m-15.50m depth.



SD2019_4 15.50m-18.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 31 of 56

SD2019_4 18.50m-21.50m depth.



SD2019_4 21.50m - 24.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 32 of 56

SD2019_4 24.50m - 27.50m depth.



SD2019_4 27.50m - 30.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 33 of 56

SD2019_4 30.50m-33.50m depth.



SD2019_4 33.50m-36.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 34 of 56

SD2019_4 36.50m-39.50m depth.



SD2019_4 39.50m-42.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 35 of 56

SD2019_4 42.50m-45.50m depth.



SD2019_4 45.50m-47.50m depth.

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Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 36 of 56

SD2019_4 47.50m-50.40m depth.



SD2019_4 47.50m-50.40m depth. (Split)

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 37 of 56

SD2019_4 50.40m-53.40m depth.



SD2019_4 50.40m-53.40m depth. (Split)

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 38 of 56

SD2019_4 53.40m-56.40m depth.



SD2019_4 53.40m-56.40m depth. (Split)

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 39 of 56

SD2019_4 56.40m-59.40m depth.



SD2019_4 59.40m-60.90m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 40 of 56

SD2019_4 59.40m-60.90m depth.(Split)



SD2019_4 60.90m-62.40m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 41 of 56

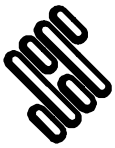
SD2019_4 60.90m-62.40m depth. (Split)



SD2019_4 62.40m-63.90m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07.
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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 42 of 56

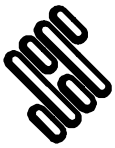
SD2019_4 62.40m-63.90m depth. (Split)



SD2019_4 63.90m-66.80m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 43 of 56

SD2019_4 63.90m-66.80m depth. (Split)



SD2019_4 66.80m-69.05m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 44 of 56

SD2019_4 66.80m-69.05m depth. (Split)



SD2019_4 69.05m - 70.55m depth.

GINT LIBRARY: V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:28 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 45 of 56

SD2019_4 69.05m - 70.55m depth. (Split)



SD2019_4 70.55m-72.05m depth.

GINT LIBRARY v8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8.07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:28 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 46 of 56

SD2019_4 70.55m-72.05m depth. (Split)



SD2019_4 72.05-74.80m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:28 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 47 of 56

SD2019_4 72.05-74.80m depth. (Split)



SD2019_4 74.80-77.30m depth. (Split)

GINT LIBRARY v8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8.07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:28 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 48 of 56

SD2019_4 77.30m-80.30m depth.



SD2019_4 80.30m-83.30m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:28 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 49 of 56

SD2019_4 80.30m-83.30m depth. (Split)



SD2019_4 83.30m-86.30m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:28 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 50 of 56

SD2019_4 86.30m-89.30m depth.



SD2019_4 89.30m-92.30m depth.

GINT LIBRARY v8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8.07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:28 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 51 of 56

SD2019_4 92.30m-95.30m depth.



SD2019_4 95.30m-98.30m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 52 of 56

SD2019_4 98.30m-101.30m depth.



SD2019_4 101.30m-104.30m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:29 | ST9 |

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: NGrew + MVeckagans	Logged By: RAndrews + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 53 of 56

SD2019_4 104.30m-107.30m depth.



SD2019_4 107.30m-110.30m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 54 of 56

SD2019_4 110.30m-113.30m depth.



SD2019_4 113.30m-116.30m depth.

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Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:29 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 55 of 56

SD2019_4 116.30m-119.30m depth.



SD2019_4 119.30m-120.00m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07_07 | Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Web: www.soils.co.uk, Email: ask@soils.co.uk, Fax: 0117-947-1004, | 16/07/20 - 10:29 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_4
Contract Ref: 734318	Start: 30.08.19 End: 10.11.19	Ground Level (m AOD): 1.71	National Grid Co-ordinate: E:647400.5 N:264208.1	Sheet: 56 of 56

SD2019_4 74.30m-77.30m depth.



GINT LIBRARY_V8_07.GLB LibVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P - v8_07 | 16/07/20 - 10:29 | ST9 | Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	NGrew + MVeckagans	Logged By:	RAndrews + SHinton	Checked By:	
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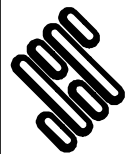
SUMMARY OF DISCONTINUITIES - SD2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	83.71	BF	8	U-R	-	-	-	Clean.	BEECK	CHALK
2	83.95-83.98	J	40	U-R	-	-	-	Clean.	BEECK	CHALK
3	84.09	BF	10	P-R	-	-	-	Clean.	BEECK	CHALK
4	84.66-84.71	J	27	P-R	-	-	-	Clean.	BEECK	CHALK
5	84.92	BF	4	S-R	-	-	-	Clean.	WBCK	CHALK
6	85.01	BF	9	S-R	-	-	-	Clean.	WBCK	CHALK
7	85.20-85.24	J	32	P-R	-	-	-	No black specks, lightly stained yellow, no infill	WBCK	CHALK
8	85.59-85.62	J	22	P-R	-	-	-	Clean.	WBCK	CHALK
9	86.36-86.45	J	79	P-R	-	-	-	Clean.	WBCK	CHALK
10	86.45	BF	2	P-R	-	-	-	Occasional black specks, lightly stained yellow, no infill.	WBCK	CHALK
11	86.50-86.53	J	26	P-R	-	-	-	Clean.	WBCK	CHALK
12	86.85	BF	9	P-R	-	-	-	No black specks, lightly stained yellow, no infill.	WBCK	CHALK
13	87.37-87.40	J	23	U-R	-	-	-	Clean.	WBCK	CHALK

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough, U-ST = Undulating - striated.



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Date

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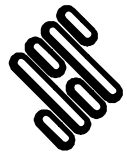
SUMMARY OF DISCONTINUITIES - SD2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
14	87.65	BF	8	U-R	-	-	-	No black specks, lightly stained yellow, no infill.	WBCK	CHALK
15	87.87	BF	3	P-R	-	-	-	Clean.	BEECK	CHALK
16	87.97	BF	4	P-R	-	-	-	No black specks, lightly stained yellow, no infill.	BEECK	CHALK
17	88.04	BF	7	P-R	-	-	-	Clean.	BEECK	CHALK
18	88.12	BF	8	P-R	-	-	-	Clean.	BEECK	CHALK
19	89.54	BF	10	U-R	-	-	-	Clean.	PCF	CHALK
20	90.02	BF	6	P-R	-	-	-	Clean.	PCF	CHALK
21	90.21	BF	4	P-R	-	-	-	Clean.	PCF	CHALK
22	90.44-90.45	J	19	U-R	-	-	-	Clean.	PCF	CHALK
23	90.57-90.60	J	22	P-R	-	-	-	No black specks, lightly stained yellow, no infill.	PCF	CHALK
24	90.67-90.69	J	26	U-R	-	-	-	No black specks, lightly stained yellow, no infill.	PCF	CHALK
25	91.02-91.05	J	19	U-R	-	-	-	Clean.	PCF	CHALK

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

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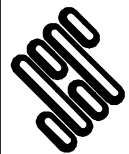
SUMMARY OF DISCONTINUITIES - SD2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
26	91.08	BF	6	P-R	-	-	-	Clean.	PCF	CHALK
27	91.14	BF	4	P-R	-	-	-	Clean.	PCF	CHALK
28	91.19-91.24	J	16	U-R	-	-	-	No black specks, lightly stained yellow, no infill.	PCF	CHALK
29	91.20	BF	6	P-R	-	-	-	Clean.	PCF	CHALK
30	91.56-91.60	J	23	U-R	-	-	-	Clean.	PCF	CHALK
31	91.94	BF	7	P-R	-	-	-	No black specks, lightly stained yellow, no infill.	PCF	CHALK
32	93.68-93.71	J	27	U-R	-	-	-	Clean.	AZCL	
33	93.97	BF	4	P-R	-	-	-	Clean.	PCF	CHALK
34	94.19	BF	10	S-R	-	-	-	Clean.	PCF	CHALK
35	94.32	J	7	U-R	-	-	-	Clean.	PCF	CHALK
36	95.00-95.05	J	79	U-R	-	-	-	Clean.	PCF	CHALK
37	95.45	BF	10	P-R	-	-	-	Clean.	PWBCK	CHALK
38	97.09-96.14	J	33	U-R	-	-	-	Clean.	PWBCK	CHALK
39	97.24-96.28	J	21	U-R	-	-	-	Occasional black specks,	PWBCK	CHALK

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough, U-ST = Undulating - striated.



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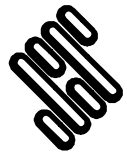
SUMMARY OF DISCONTINUITIES - SD2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								unstained, no infill.		
40	97.39-96.43	J	19	S-R	-	-	-	Clean.	PWBCK	CHALK
41	97.71	BF	7	P-R	-	-	-	Clean.	PWBCK	CHALK
42	98.01	BF	10	P-R	-	-	-	Clean.	PWBCK	CHALK
43	98.23-98.25	J	29	U-R	-	-	-	Clean.	PWBCK	CHALK
44	98.50	BF	5	P-R	-	-	-	Clean.	PWBCK	CHALK
45	98.60	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK
46	99.39	BF	9	P-R	-	-	-	Clean.	PWBCK	CHALK
47	99.57-99.59	J	18	U-R	-	-	-	Clean.	PWBCK	CHALK
48	99.67	BF	7	U-R	-	-	-	Clean.	PWBCK	CHALK
49	99.80	BF	3	U-R	-	-	-	Clean.	PWBCK	CHALK
50	101.09-101.14	J	22	P-R	-	-	-	Clean.	PWBCK	CHALK
51	101.48-101.52	J	24	P-R	-	-	-	Clean.	PWBCK	CHALK
52	101.71	BF	8	U-R	-	-	-	Occasional black specks,	PWBCK	CHALK
								unstained, no infill.		
53	102.94	BF	7	P-R	-	-	-	Clean.	PWBCK	CHALK

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough, U-ST = Undulating - striated.



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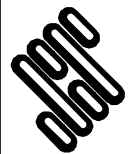
SUMMARY OF DISCONTINUITIES - SD2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
54	103.05	BF	8	P-R	-	-	-	Clean.	PWBCK	CHALK
55	103.13	BF	3	P-R	-	-	-	Clean.	PWBCK	CHALK
56	103.39	BF	6	P-R	-	-	-	Clean.	PWBCK	CHALK
57	103.54-103.61	J	36	P-R	-	-	-	Clean.	PWBCK	CHALK
58	103.83	BF	5	U-R	-	-	-	Clean.	PWBCK	CHALK
59	104.22	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
60	104.45	BF	10	U-R	-	-	-	Clean.	PWBCK	CHALK
61	104.96	BF	10	P-R	-	-	-	Clean.	PWBCK	CHALK
62	105.52	BF	6	P-R	-	-	-	Clean.	PWBCK	CHALK
63	105.64	BF	9	P-R	-	-	-	Clean.	PWBCK	CHALK
64	105.70-105.72	J	12	U-R	-	-	-	Clean.	PWBCK	CHALK
65	106.17	BF	7	U-R	-	-	-	Clean.	PWBCK	CHALK
66	107.09	BF	10	P-R	-	-	-	Clean.	PWBCK	CHALK
67	107.19	BF	6	U-R	-	-	-	Occasional black specks, unstained, no infill.	PWBCK	CHALK
68	107.54	BF	1	P-R	-	-	-	Clean.	PWBCK	CHALK

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough, U-ST = Undulating - striated.



STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Compiled By

KJOHNSTONE

Date

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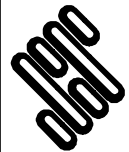
SUMMARY OF DISCONTINUITIES - SD2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
69	108.26-108.27	J	28	P-R	-	-	-	Clean..	PWBCK	CHALK
70	108.63	BF	6	U-R	-	-	-	No black specks, lightly stained yellow, no infill.	PWBCK	CHALK
71	108.68	BF	7	P-R	-	-	-	No black specks, lightly stained yellow, no infill.	PWBCK	CHALK
72	108.92	BF	3	P-R	-	-	-	Clean.	PWBCK	CHALK
73	109.00	BF	4	U-R	-	-	-	Occasional black specks, lightly stained yellow, no infill.	PWBCK	CHALK
74	109.12	BF	8	P-R	-	-	-	Clean.	PWBCK	CHALK
75	109.21-109.27	J	31	U-R	-	-	-	No black specks, lightly stained yellow, no infill.	PWBCK	CHALK
76	110.41	BF	9	P-R	-	-	-	Clean.	PWBCK	CHALK
77	110.47	BF	3	P-R	-	-	-	Clean.	PWBCK	CHALK
78	110.57	BF	7	P-R	-	-	-	Clean.	PWBCK	CHALK
79	110.82	BF	9	P-R	-	-	-	No black specks, lightly stained yellow, no infill.	PWBCK	CHALK

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

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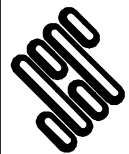
SUMMARY OF DISCONTINUITIES - SD2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
80	110.82-110.90	J	78	P-R	-	-	-	Clean.	PWBCK	CHALK
81	110.95	BF	8	P-R	-	-	-	Clean.	PWBCK	CHALK
82	111.32-111.39	F	64	U-ST	-	-	-	Abundant black specks, unstained, no infill, mineralized, polished.	PWBCK	CHALK
83	111.87	BF	7	P-R	-	-	-	Clean.	PWBCK	CHALK
84	111.99-112.01	J	14	P-R	-	-	-	Clean.	PWBCK	CHALK
85	112.31	BF	4	P-R	-	-	-	No black specks, lightly stained yellow, no infill.	PWBCK	CHALK
86	112.40	BF	2	P-R	-	-	-	Clean.	PWBCK	CHALK
87	112.87	BF	9	U-R	-	-	-	Clean.	PWBCK	CHALK
88	113.13	BF	10	U-R	-	-	-	No black specks, lightly stained yellow, no infill.	PWBCK	CHALK
89	113.20	BF	2	P-R	-	-	-	Clean.	PWBCK	CHALK
90	113.59	BF	10	P-R	-	-	-	Clean.	PWBCK	CHALK
91	113.86	BF	9	U-R	-	-	-	Clean.	PWBCK	CHALK

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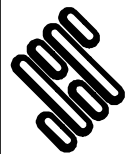
SUMMARY OF DISCONTINUITIES - SD2019_4

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
92	114.64	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
93	116.51	BF	4	P-R	-	-	-	Clean.	PWBCK	CHALK
94	116.51-116.59	J	73	P-R	-	-	-	Clean.	PWBCK	CHALK
95	116.73	BF	7	U-R	-	-	-	Clean.	PWBCK	CHALK
96	117.05	BF	8	U-R	-	-	-	Clean.	PWBCK	CHALK
97	117.20	BF	10	U-R	-	-	-	Clean.	PWBCK	CHALK
98	117.35	BF	7	U-R	-	-	-	Clean.	PWBCK	CHALK
99	117.48	BF	6	P-R	-	-	-	Clean.	PWBCK	CHALK
100	117.51	BF	1	P-R	-	-	-	Clean.	PWBCK	CHALK
101	117.87-117.90	J	23	U-R	-	-	-	Clean.	PWBCK	CHALK
102	119.06-119.10	J	32	U-R	-	-	-	Clean.	PWBCK	CHALK
103	119.15	BF	10	P-R	-	-	-	Clean.	PWBCK	CHALK
104	119.55	BF	10	P-R	-	-	-	Clean.	PWBCK	CHALK
105	119.65	BF	4	P-R	-	-	-	Clean.	PWBCK	CHALK
106	120.09	BF	4	P-R	-	-	-	Clean.		

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough, U-ST = Undulating - striated.



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Appendix F – Ground Investigation Factual Reports

On-shore Phase 2 Ground Investigation for Sizewell Site 2019

CONTINUED

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 1 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
0.05-0.85	1	B								MADE GROUND: Light yellowish brown slightly gravelly silty fine to coarse SAND. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)		(0.85)	
0.30	102	ES											
0.85-1.20	2	B								MADE GROUND: Light orangish brown mottled light greyish brown slightly gravelly silty fine to coarse SAND. Gravel is subangular to subrounded fine to medium of flint. Rare shell fragments. (MADE GROUND)		(0.35)	
1.00	104	ES											
1.20-2.00				100	0	0				MADE GROUND: Firm dark bluish grey mottled light grey slightly gravelly CLAY with frequent lenses of brown fine to coarse sand, rare brown rootlets and rare pockets of black pseudo-fibrous peat. Gravel is angular to subrounded fine to coarse of chert, concrete, tile, microdiorite and aggregate. (MADE GROUND)			
2.00-3.00				100	0	0				... 2.88-3.02m: Large pocket of black pseudofibrous peat.			
3.00-4.00				100	0	0				Soft light brown mottled light grey CLAY with rare pockets of light brown sand (up to 3 x 6mm) and rare relict rootlets. (SUPERFICIAL DEPOSITS - CLAY)			
4.00-5.00				100	0	0				Stiff light greenish grey mottled black SILT with frequent brown plant remains and occasional relict rootlets.			

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
12/08/19		0.00	None	N/R	-
12/08/19		1.20	None	N/R	-
13/08/19		1.20	None	152	-
13/08/19		1.20	None	152	-
13/08/19		7.50	7.50	152	-
14/08/19		7.50	7.50	152	-
14/08/19		18.00	18.00	152	-
15/08/19		18.00	18.00	152	-

Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390	Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By: [Signature]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 3 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
9.00-10.50				100	0	0				... 8.94-9.97m: becoming firm pseudofibrous black mottled brown PEAT with occasional relict rootlets and occasional light brown plant remains.	-8.29	9.97	
10.50-12.00				100	0	0				Yellowish brown mottled orange gravelly fine to coarse SAND. Gravel is subangular to rounded fine to medium of flint and quartzite. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL)	-10	10	
12.00-13.50				100	0	0				... 10.74-11.20m: becoming light grey mottled orange slightly gravelly fine to coarse SAND. Gravel is rounded fine to medium of flint.	-11	11	
				100	0	0				... 11.83-11.85m: single clay lenses 4mm thick.	-12	12	
				100	0	0				Yellowish brown mottled orange very gravelly fine to coarse SAND. Gravel is subangular to rounded fine to coarse of flint and quartzite. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL)	-10.95	12.63	
				100	0	0				Bluish grey silty fine to medium SAND with occasional flasers of grey silt (up to 12 x 100mm; oxidises to brown). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))	-11.27	12.95	
										... 13.11-13.27m: occasional coarse sand to fine gravel sized comminuted shells.	-13	13	

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
22/08/19		78.00	78.00	152	45.30
23/08/19		78.00	78.00	152	44.20
23/08/19		82.50	82.50	152	5.10
27/08/19		82.50	82.50	152	-
27/08/19		88.50	88.50	152	12.40
28/08/19		88.50	88.50	152	11.50
28/08/19		100.50	100.50	152	0.00
29/08/19		100.50	None	152	-

All dimensions in metres		Scale: 1:25
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Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390	Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By: [Signature]
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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 4 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
13.50-15.00				100	0	0				<p>14.10-14.20m: coarse sand to medium gravel sized comminuted shells.</p> <p>14.63m: medium gravel sized weak grey claystone.</p> <p>Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)</p>	-12 -13.08 -14.76	(1.81)	
15.00-16.50				100	0	0				<p>Bluish grey silty fine to medium SAND with occasional flasers of grey silt (up to 12 x 100mm; oxidises to brown). (NORWICH CRAG FORMATION (UNDIFFERENTIATED))</p> <p>16.08-16.17m: very closely spaced thin laminae of brown clay.</p> <p>16.17-16.23m: fine to coarse sand.</p>	-13.38 -15.06	(0.30)	AZCL
16.50-18.00				100	0	0				<p>16.50-16.69m: occasional coarse sand to fine gravel sized comminuted shells.</p> <p>16.82-17m: relatively silty sand.</p> <p>17.25m: medium gravel sized weak grey claystone.</p> <p>17.55-17.57m: intact gastropod shell (20 x 45mm).</p> <p>17.66-17.70m: very closely spaced thin laminae of brown clay.</p>	-15 -16 -16.32	(2.94)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						
Plant Used: Hand tools + SDC 390						
Drilled By: TMccarthy						
Logged By: EHarman + SHinton						
Checked By: [Redacted]						
All dimensions in metres						Scale: 1:25

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 5 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
18.00-19.50				100	0	0				Grey fine to coarse SAND with numerous coarse sand to medium gravel sized comminuted shells (oxidises brown; relatively denser than unit above). (RED CRAG FORMATION (UNDIFFERENTIATED)) ... 18.68-18.75m: medium gravel sized weak grey claystone. ... 18.99m: medium gravel sized weak grey claystone.	-17	19	
19.50-21.00				100	0	0					-18	20	
21.00-22.50				100	0	0				... 21.19-21.26m: silty. ... 22.20-22.40m: cemented sand. ... 22.40-22.50m: Assumed zone of core loss.	-19 (6.55)	21	
				100	0	0					-20	22	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By:	

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 6 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
22.50-24.00				100	0	0					-21		
										Grey fine to coarse SAND with numerous coarse sand to coarse gravel sized comminuted shells (oxidises brown; relatively denser than unit above). (RED CRAG FORMATION (UNDIFFERENTIATED))	-21.87	23.55	
											-22	(0.55)	
24.00-25.50				100	0	0				Grey fine to coarse SAND with numerous coarse sand to medium gravel sized comminuted shells (oxidises brown; relatively denser than unit above). (RED CRAG FORMATION (UNDIFFERENTIATED))	-24		
											-22.42	24.10	
											-23		
										... 25.41-25.50m: Assumed zone of core loss.			
										... 25.50-25.55m: medium gravel sized weak grey claystones.			(2.90)
											-24		
										... 25.78-25.81m: coarse gravel sized weak grey claystone.			
											-25		
25.50-27.00				100	0	0					-26		
											-25.32	27.00	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
All dimensions in metres						Scale: 1:25
Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By:	

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 7 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
27.00-28.50				100	0	0				Bluish grey fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-26.13	27.81 (0.81)	
										Light bluish grey silty fine to medium SAND with occasional coarse sand to fine gravel sized comminuted shells and occasional flasers of grey clay (up to 11 x 100mm). (RED CRAG FORMATION (UNDIFFERENTIATED))	-26.62	28.30 (0.49)	
28.50-30.00				100	0	0				Firm light grey locally thinly laminated slightly sandy silty CLAY. Sand is fine to medium fining downward sequence). (RED CRAG FORMATION (UNDIFFERENTIATED))	-26.82	28.50	
										Grey fine to coarse SAND with numerous coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-27.05	29.08 (1.31)	
										... 29.05-29.08m: coarse gravel sized weak grey claystone.			
30.00-31.50				100	0	0				Grey silty fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-28.13	29.81 (1.69)	
										... 29.81-29.82m: thin band of stiff locally thickly laminated grey mottled black slightly sandy clayey SILT. Sand is fine.	-29.82	31.50	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton	

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 8 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
31.50-33.00				100	0	0				Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-30			
											-31 (2.46)			
33.00-34.50				64	0	0				... 33.00-33.12m: thin bed of grey fine SAND.	-32			
											-32.28	33.96		
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		34	(0.54)	AZCL
34.50-36.00				86	0	0				Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-33			
											-34		(1.29)	
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-34.11	35.79		AZCL
											-34.32	36.00		

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton	
Checked By:						Checked By:



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 9 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
36.00-37.50				100	0	0				Grey silty fine to medium SAND with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-35	37	X
37.50-39.00				100	0	0				... 38.20-38.40m: relatively less silty.	-36	38	X
39.00-40.50				87	0	0				Grey fine to coarse SAND with abundant coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))	-37	39	X
										... 40.32-40.50m: Assumed zone of core loss.	-38	40	X

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						
Plant Used: Hand tools + SDC 390						
Drilled By: TMccarthy						
Logged By: EHarman + SHinton						
Checked By: [Redacted]						
All dimensions in metres						Scale: 1:25

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 10 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
40.50-42.00				100	0	0					-39	41 (4.23)	
42.00-43.50				97	0	0				... 42.75-42.78m: intact gastropod shell (30 x 52mm).	-40	42	
43.50-45.00				97	0	0				Grey fine to medium SAND with frequent coarse sand to medium gravel sized comminuted shell fragments. (RED CRAG FORMATION (UNDIFFERENTIATED)) ... 43.45-43.50m: Assumed zone of core loss. ... 43.50-43.55m: Assumed zone of core loss.	-41	43	
										Very stiff extremely closely to very closely fissured thinly laminated dark brown slightly sandy micaceous glauconitic CLAY with closely to medium spaced very thin to thin beds of volcanoclastic silt and siltstone. Sand is fine to medium. Fissures are randomly orientated planar smooth or rough polished or matt. (HARWICH FORMATION, WRABNESS MEMBER) ... 44.80-44.83m: very thin bed of calcareous fine to medium sand.	-42 (1.05)	44	
											-43	44.28 44.60	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling			Plant Used: Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton
					All dimensions in metres	
					Scale: 1:25	Checked By:

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 11 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
45.00-46.50				100	0	0				... 45.07m: pyrite nodule. ... 45.49-45.55m: very stiff light grey volcanoclastic silt/clay. ... 45.61-45.68m: very stiff dark grey volcanoclastic silt/clay. ... 45.82-45.97m: very stiff grey volcanoclastic silt/clay. ... 46.12-46.31m: very stiff dark grey volcanoclastic silt/clay.	-44	46	(3.72)	
46.50-48.00				100	0	0				... 46.75m: pocket of disseminated pyrite (up to 2mm by 5mm). ... 46.75-47.28m: silty. ... 47.14-47.21m: stiff dark grey volcanoclastic silt/clay. ... 47.60-48.00m: firm (disturbed by drilling).	-45	47		
48.00-49.50				39	0	0				Partial recovery (39%). Recovered as very stiff extremely closely spaced fissured dark brown sandy micaceous gauconitic CLAY and Strong grey argillaceous LIMESTONE. Dark grey for 20mm at base. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)	-46	48	48	PR / AZCL
											-47	49		
											-48	49.50		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						
Plant Used: Hand tools + SDC 390						
Drilled By: TMccarthy						
Logged By: EHarman + SHinton						
Checked By: [Redacted]						
All dimensions in metres						Scale: 1:25

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 12 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
49.50-51.00				81	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-48.11	(0.29) 49.79	AZCL
51.00-52.50				100	0	0				Very stiff extremely closely to very closely fissured thinly laminated dark greyish brown slightly sandy micaceous glauconitic silty CLAY. Fissures are randomly orientated planar smooth or rough matt or polished (mostly matt). (HARWICH FORMATION, WRABNESS MEMBER) ... 50.31-51.00m: dark grey.	-49.73	51.41	
52.50-54.00				100	0	0				Very stiff extremely closely to very closely fissured bioturbated thinly laminated dark brown micaceous glauconitic silty CLAY with occasional lenses of sand up to 12 x 40mm. Fissures are randomly orientated planar smooth or rough matt or polished. Burrow are randomly orientated up to 2 x 11mm. Relatively more silty than unit above. (HARWICH FORMATION, ORWELL MEMBER) ... 52.26-52.29m: medium strong grey calcareous claystone.	-51	53	

Boring Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth		
Method Used: Trial Pit/trench + Sonic Drilling						All dimensions in metres	Scale: 1:25
Plant Used:		Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton		

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BOREHOLE LOG

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Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
54.00-55.50				100	0	0					-53	(5.37)	
55.50-57.00				100	0	0				<p>... 55.35-55.50m: relatively less silty.</p> <p>... 55.50-56.24m: thinned by drilling.</p>	-54		
57.00-58.50				100	0	0				<p>Stiff dark brown slightly sandy micaceous glauconitic clayey SILT. Coarsening towards the base. (HARWICH FORMATION, ORWELL MEMBER)</p> <p>... 57.28m: fine gravel sized well rounded black flint.</p> <p>... 57.36-57.43m: thin bed of sandy CLAY. Sand is fine.</p> <p>Very stiff light brown micaceous clayey SILT with occasional lenses of medium sand up to 9 x 30mm. (READING FORMATION)</p> <p>... 57.66m: single fine gravel sized well rounded black flint.</p> <p>... 57.83m: single fine gravel sized subrounded claystone.</p> <p>Firm thinly laminated light brown mottled dark blue micaceous slightly sandy SILT. Sand is fine to medium. (READING FORMATION)</p>	-55 -55.10 -56.78	(0.65)	
				100	0	0					-56	(0.61)	
											-56.38	58.94	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						
Plant Used: Hand tools + SDC 390						
Drilled By: TMccarthy						
Logged By: EHarman + SHinton						
Checked By: [Redacted]						
All dimensions in metres						Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 14 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
58.50-60.00				100	0	0					-57	(1.88) 59	X
60.00-61.50				100	0	0				Orangish brown slightly silty fine to medium SAND. (READING FORMATION) ... 60.42m: single subrounded medium gravel sized claystone. ... 60.45m: single rounded fine gravel sized flint. Stiff very thinly laminated light brown bioturbated micaceous silty CLAY. Burrows are up to 3 x 9mm infilled with grey silt. (READING FORMATION) ... 60.79-60.96m: becoming dark greenish brown and slightly sandy, laminations becoming dark brown. Sand is fine to medium.	-58.24 59.92	60 (0.59)	X
61.50-63.00				82	0	0				... 61.70-61.86m: laminations appearing darker. Yellowish brown fine to medium SAND. (READING FORMATION) ... 62.35-62.47m: firm dark grey silt between sand and liner (possibly drilling induced).	-60 61	(1.48) 62	X
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-60.31 61.99	62 (0.74)	X
											-61.65 62.73		AZCL
											-61.32 63.00		

Boring Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth		
Method Used: Trial Pit/trench + Sonic Drilling						All dimensions in metres	Scale: 1:25
Plant Used:		Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton		

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
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Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
63.00-64.50				100	0	0				Yellowish brown fine to medium SAND with occasional pockets of dark grey silt. (READING FORMATION)	-62	(1.81)	
64.50-66.00										... 64.56-64.81m: becoming dark grey.	-63		
				78	0	0				Firm thinly laminated dark brown mottled black bioturbated micaceous CLAY. Burrows are randomly orientated up to 2 x 7mm infilled with grey silt. (READING FORMATION)	-63.98	65.66	
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-64	(0.34)	AZCL
66.00-67.50				100	0	0				Very stiff thinly laminated dark grey mottled black bioturbated micaceous CLAY. Burrows are randomly orientated up to 2 x 7mm infilled with grey silt. (READING FORMATION) ... 66.19-66.21m: lens of yellowish brown calcrete (3 x 11mm). ... 66.28m: becoming light brown and silty CLAY. Sand layer around core (drilling induced). ... 66.59m: rounded fine gravel sized very weak grey claystone. ... 66.80m: rounded fine gravel sized flint. ... 67.28-67.35m: pockets of yellowish brown calcrete up to 50mm across.	-64.32	66.00	
											-65	(1.35)	
											-65.67	67.35	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton	
Checked By:						

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 17 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
72.00-73.50				100	0	0					-71	(3.15)	X
73.50-75.00				94	0	0				Very stiff dark grey bioturbated micaceous clayey SILT. Burrows are randomly orientated up to 2x6mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) ... 74.03m: pocket of yellowish brown calcrete up to 12 x 15mm.	-72 -72.08 73.76	(1.15)	X
75.00-76.50				100	0	0				Very stiff extremely closely to very closely fissured dark grey thinly laminated bioturbated micaceous glauconitic silty CLAY with rare pockets of light brown fine sand. Fissures are randomly orientated planar smooth (polished). Burrows are randomly orientated up to 2 x 5mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) ... 74.91-75.00m: Assumed zone of core loss. ... 76.13m: pyrite nodule.	-73 -73.23 74.91		X

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390	Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By: XXXXXXXXXX
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BOREHOLE LOG

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Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 18 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)							
76.50-78.00				100	0	0					-75	(4.16)		
78.00-79.50				100	0	0				... 78.04m: lens of sand and burrows up to 6 x 37mm. ... 78.91m: lens of fine sand up to 4mm.	-76 -77	78		
79.50-81.00				70	0	0				Very stiff extremely closely to very closely fissured brownish grey thinly laminated bioturbated micaceous highly glauconitic silty CLAY with rare pockets of light brown fine sand. Fissures are randomly orientated planar smooth (polished). Burrows are randomly orientated up to 2 x 5mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3) Firm to stiff brown mottled black thinly laminated bioturbated micaceous glauconitic CLAY. Burrows are randomly orientated up to 4 x 15mm infilled with grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2) ... 80.23-80.31m: becoming dark grey.	-77.39 -77.82 -78	79 79.07	(0.43)	
										Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-78.87 -79	80.55	(1.05)	
											-79.32	81.00	(0.45)	AZCL

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton	
Checked By:						Checked By:

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
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Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
81.00-82.50				100	0	0				Very stiff brown mottled green thinly laminated micaceous highly glauconitic gravelly CLAY. Gravel is angular to subrounded fine to medium of flint. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC1) ... 81.43-81.71m: pockets of structureless chalk up to 60mm.	-80.08	81.71	
										Recovered as structureless CHALK composed of cream slightly gravelly SILT. Gravel is very weak low density white subangular fine to medium. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER)		82	
												82.50	
82.50-84.00				17	0	0				Minimal recovery (17%). Recovered as structureless CHALK composed of cream slightly gravelly SILT. Gravel is very weak low density white subangular fine to medium. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER) ... 82.50-82.63m: flint band. Medium gravel size fragment of nodular flint with a thin cortex.	-81		
												83	
												84.00	
84.00-85.50				100	0	0				Recovered as structureless CHALK composed of very gravelly SILT. Gravel is very weak medium density white sub angular to subrounded fine to medium. (PORTSDOWN FORMATION, BEESTON CHALK MEMBER Grade Dm) ... 84.12-84.16m: flint band. Fine gravel size fragments of nodular flint with thin cortexes. ... 84.29m: echinoid shell fragment. ... 84.53-84.57m: black-stained sponge bed.	-82.32	84.00	
												84.74	
												85	
										Recovered as structureless CHALK composed of white slightly silty subangular to subrounded GRAVEL and COBBLES. Clasts are very weak medium density with occasional black specks. Matrix is white. (Recovered with melted liner inside). (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade Dc) ... 85.08-85.18m: black-stained, possibly Catton sponge bed. ... 85.30-85.50m: recovered with melted liner throughout the core, can be viewed in the photo.	-83.08	84.74	
												85	
												85.50	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton	
Checked By:						

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 20 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
85.50-87.00				0	0	0				Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)	-84	86	
87.00-88.50				0	0	0					(3.00)	87	AZCL
88.50-90.00				100	0	0				Recovered as structureless CHALK composed of white silty subangular to subrounded GRAVEL and COBBLES with occasional yellow staining. Clasts are very weak medium density with occasional black specks. Matrix is white. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade Dc) . . . 88.79-89.12m: frequent randomly orientated burrows up to 9 x 28mm, infilled with grey silt. . . . 89.57-89.61m: frequent randomly orientated burrows up to 7 x 12mm infilled with grey silt. . . . 89.57m: fragment of belemnite rostrum (12 x 31mm; diameter/length). . . . 89.82m: brachiopod shell fragment (22m across).	-86.82	88.50	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390	Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By: XXXXXXXXXX
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 21 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
90.00-91.50				100	0	0				Recovered as structureless CHALK composed of white slightly gravelly SILT with rare randomly orientated burrowing infilled with dark grey silt. Gravel is weak medium density white subangular to subrounded fine to medium. (PORTSDOWN FORMATION, WEYBOURNE CHALK MEMBER Grade Dm) ... 90.38-90.77m: frequent randomly orientated burrowing up to 24mm across infilled with dark grey silt. ... 91.12-91.50m: frequent randomly orientated burrowing up to 16mm across infilled with dark grey silt. ... 91.40-91.50m: stained yellow phosphatic chalk.	-88.70	90.38	
91.50-93.00				100	0	0				... 92.62m: fragment of belemnite rostrum (8 x 25mm; diameter/length).	-90		
93.00-94.50				100	0	0				... 92.88-92.92m: black-stained sponger bed. ... 92.94m: fragment of crinoid stem up to 5mm wide 16mm long. ... 92.95m: brachiopod shell fragment (up to 8mm). ... 94.13m: black-stained sponge bed. ... 94.32-94.39m: flint band. Fine gravel size fragments of nodular flints with thin cortexes. ... 94.54-94.60m: black-stained sponge bed.	-91		

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						
Plant Used: Hand tools + SDC 390						
Drilled By: TMccarthy						
Logged By: EHarman + SHinton						
Checked By: [Redacted]						
All dimensions in metres						Scale: 1:25



STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 22 of 41	

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
94.50-96.00				100	0	0				. . . 94.75m: black-stained sponge bed. . . . 94.84-94.95m: becoming mottled light bluish grey. . . . 95.45-95.52m: black-stained sponge bed.	-93	95	
96.00-97.50				100	0	0				. . . 96.15-96.26m: flint band. Fine gravel size fragments of nodular angular flints with thin cortexes. . . . 96.48-96.82m: black-stained sponge bed. . . . 97.12m: flint band. Fine gravel size fragment of finger flint with a thin cortex.	-94	96	
97.50-99.00				100	0	0				. . . 97.57-97.74m: black-stained sponge bed. . . . 97.92-97.97m: flint band. Fine gravel size angular fragments of nodular flint with thin cortexes. . . . 98.07-98.21m: flint band. Fine gravel size angular fragments of nodular flint with thin cortexes.	-95	97	
										. . . 97.92-97.97m: flint band. Fine gravel size angular fragments of nodular flint with thin cortexes. . . . 98.07-98.21m: flint band. Fine gravel size angular fragments of nodular flint with thin cortexes.	-96	98	
										. . . 97.57-97.74m: black-stained sponge bed.	-97	99	

Description on next sheet

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390		Drilled By: TMccarthy	Logged By: EHarman + SHinton	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5	
Contract Ref: 734318		Start: 12.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 23 of 41
		End: 29.08.19			

Depth (m)	Samples & Testing			Mechanical Log				Backfill	Water	Description of Strata	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)						
99.00-100.50				100	0	0				<p>... 98.07-98.21m: flint band. Fine to medium gravel size angular fragment of nodular and finger flint with thin cortexes.</p> <p>... 99.35-99.42m: black-stained sponge bed.</p> <p>... 100.34-100.50m: flint band. Fine to large gravel size fragments of nodular flints with thin cortexes.</p> <p>Borehole terminated at 100.50m.</p>	-98	100	

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390	Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By: XXXXXXXXXX
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 24 of 41

SD2019_5: 1.20m - 3.00m depth.



SD2019_5: 3.00m - 5.00m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 25 of 41

SD2019_5: 5.00m - 7.50m depth.



SD2019_5: 7.50m - 10.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 26 of 41

SD2019_5: 10.50m - 13.50m depth.



SD2019_5: 13.50m - 16.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 27 of 41

SD2019_5: 16.50m - 19.50m depth.



SD2019_5: 19.50m - 22.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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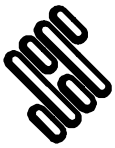
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 28 of 41

SD2019_5: 22.50m - 25.50m depth.



SD2019_5: 25.50m - 28.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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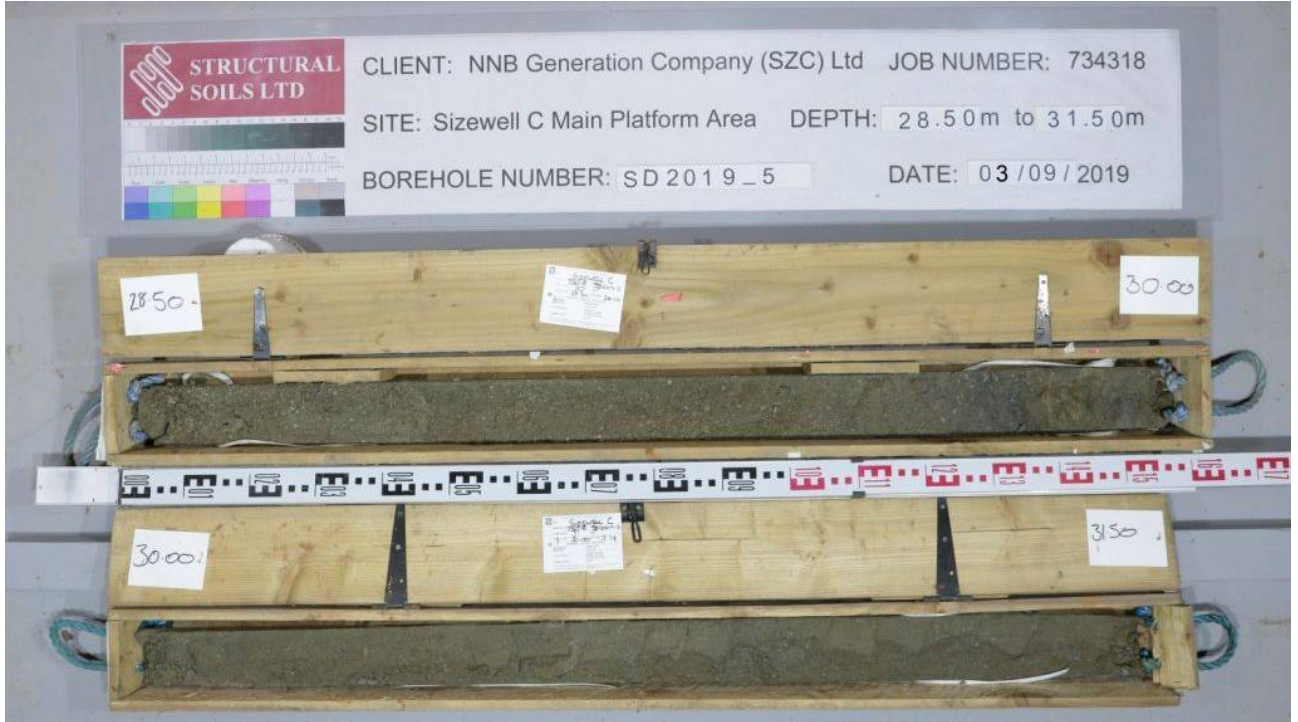


STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 29 of 41

SD2019_5: 28.50m - 31.50m depth.



SD2019_5: 31.50m - 34.50m depth.

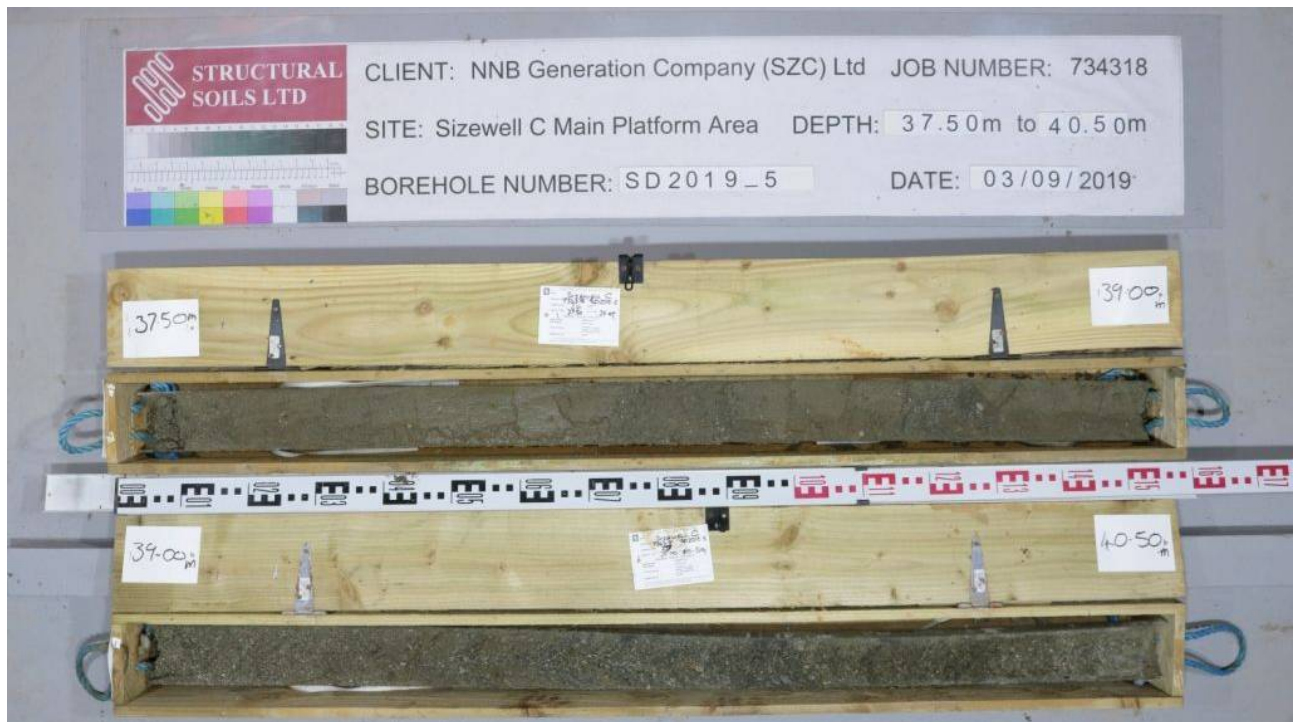
Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 30 of 41

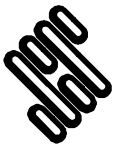
SD2019_5: 34.50m - 37.50m depth.



SD2019_5: 37.50m - 40.50m depth.

Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390	Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 31 of 41

SD2019_5: 40.50m - 43.50m depth.



SD2019_5: 43.50m - 46.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 32 of 41

SD2019_5: 46.50m - 49.50m depth.



SD2019_5: 49.50m - 52.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 33 of 41

SD2019_5: 52.50m - 55.50m depth.



SD2019_5: 55.50m - 58.50m depth.

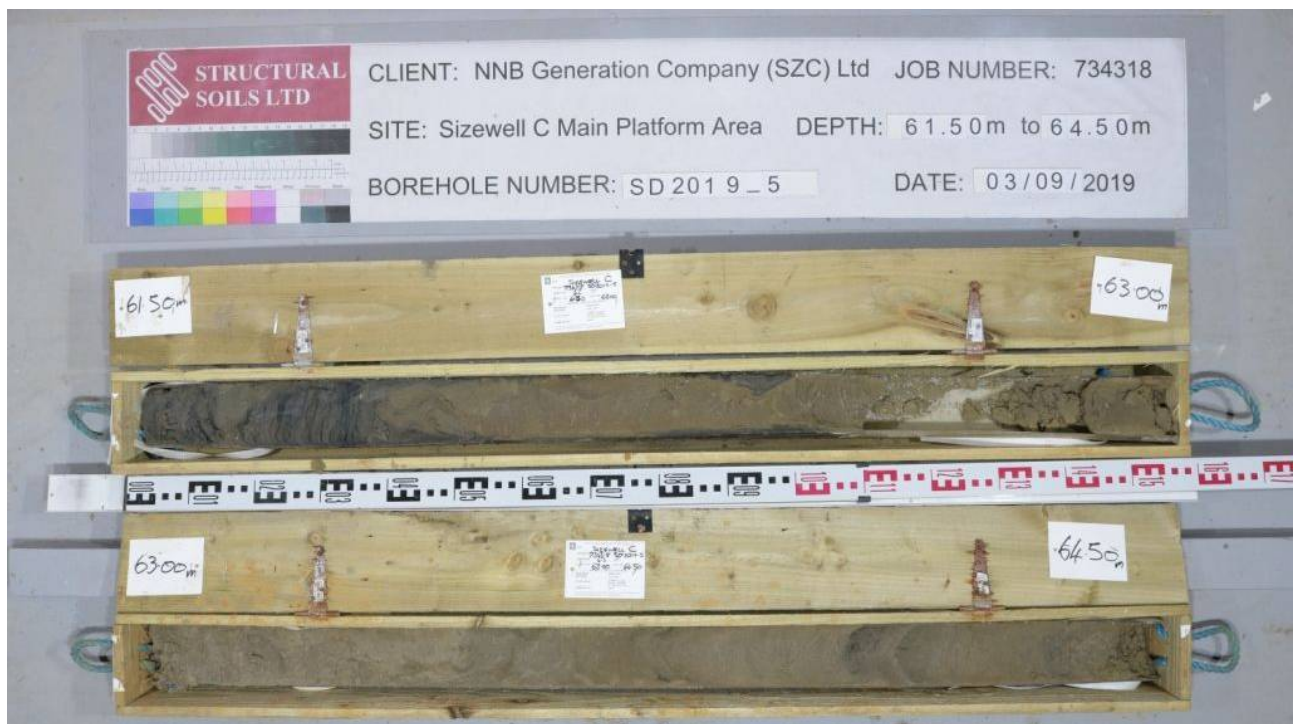
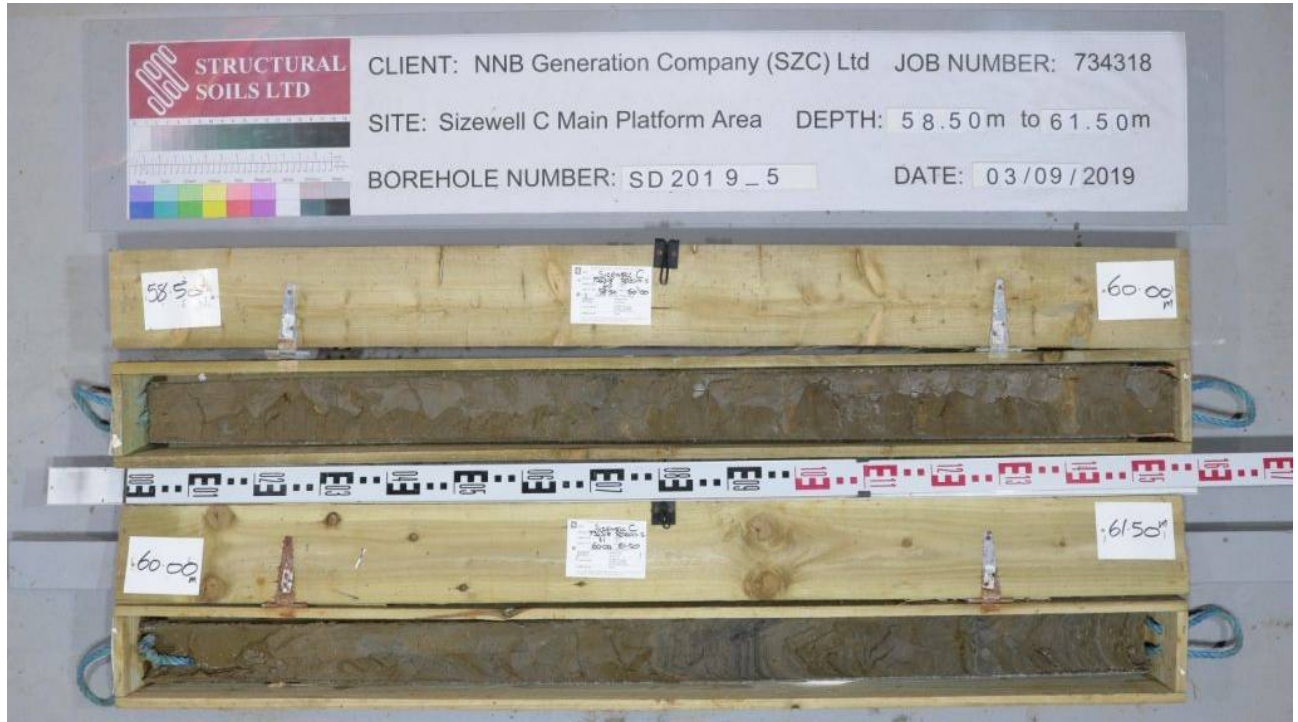
Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 34 of 41

SD2019_5: 58.50m - 61.50m depth.



SD2019_5: 61.50m - 64.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 35 of 41

SD2019_5: 64.50m - 67.50m depth.



SD2019_5: 67.50m - 70.50m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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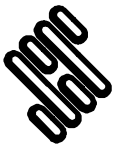
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 36 of 41

SD2019_5 70.50m - 72.00m depth.



SD2019_5: 72.00m - 75.00m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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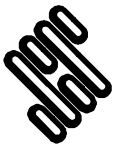
Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 37 of 41

SD2019_5: 75.00m - 78.00m depth.



SD2019_5: 78.00m - 81.00m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 38 of 41

SD2019_5: 81.00m - 84.00m depth.



SD2019_5: 84.00m - 87.00m depth.

Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390	Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 39 of 41

SD2019_5: 87.00m - 90.00m depth.



SD2019_5: 90.00m - 93.00m depth.

Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 40 of 41

SD2019_5: 93.00m - 96.00m depth.



SD2019_5: 96.00m - 99.00m depth.

Method Used: Trial Pit/trench + Sonic Drilling	Plant Used: Hand tools + SDC 390	Drilled By: TMccarthy	Logged By: EHarman + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_5
Contract Ref: 734318	Start: 12.08.19 End: 29.08.19	Ground Level (m AOD): 1.68	National Grid Co-ordinate: E:647399.1 N:264095.3	Sheet: 41 of 41

SD2019_5: 99.00m - 100.50m depth.



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Method Used:	Trial Pit/trench + Sonic Drilling	Plant Used:	Hand tools + SDC 390	Drilled By:	TMccarthy	Logged By:	EHarman + SHinton	Checked By:	[Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318		Start: 24.09.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 1 of 47
End: 13.10.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
0.00-0.08	1	B									MADE GROUND: Very strong dark greyish black slightly gravelly ASPHALT. Gravel is subangular to subrounded fine to coarse of sandstone and dolomite.		2.81	0.08	
0.05	2	D											2.71	0.18	
0.08-0.18	3	B													
0.10	4	D													
0.18-0.38	5	B									MADE GROUND: Very strong dark greyish black slightly gravelly ASPHALT. Gravel is angular to subrounded fine to coarse of limestone, concrete and dolomite.		2.51	0.38	
0.30	6	D													
0.38-0.70	7	B													
0.50	8	D									MADE GROUND: Dense dark purplish grey slightly sandy GRAVEL. Sand is medium to coarse. Gravel is angular to subrounded fine to coarse of dolomite (type 1 subbase).		(0.32)		
0.70-1.20	9	B									MADE GROUND: Yellowish brown slightly gravelly fine to medium SAND with shell fragments. Gravel is subangular to subrounded fine of sandstone.		2.19	0.70	
1.00	10	D									MADE GROUND: Yellowish brown slightly silty fine SAND.				
1.20-1.50															
1.20	101	ES	1xT+2xJ+1xV	100	0	0					MADE GROUND: Orangish brown fine to medium SAND with rare lenses of brown clay (up to 4 x 25mm).				
1.40	1	ES									. . . 1.20-1.26m: slightly gravelly. Gravel is subangular to rounded fine to coarse (mostly medium) of flint.				
1.50-3.00											. . . 1.46-1.50m: occasional coarse sand to fine gravel sized comminuted shells.				
2.25	102	ES	1xT+2xJ+1xV	100	0	0					MADE GROUND: Grey fine to medium SAND with occasional coarse sand to fine gravel sized comminuted shells. Oxides orangish brown.				
2.45	2	ES	1xT+1xJ+1xV								. . . 2.56-2.59m: pocket of black spongy pseudo-fibrous peat.				
3.00-4.50											. . . 3.18-3.24m: frequent flasers of brown clay (up to 5 x 37mm)				
											. . . 3.37-3.39m: pocket of spongy black pseudo-fibrous peat.				
											. . . 3.56-3.56m: flaser of bluish grey clay (up to 6 x 12mm).				
3.75	103	ES	1xT+2xJ+1xV	100	0	0					. . . 3.60-3.73m: frequent coarse sand to medium gravel sized comminuted shells.		-0.84	-3.73	
3.95	3	ES	1xT+1xJ+1xV								MADE GROUND: Brownish grey silty gravelly fine to medium SAND with occasional coarse sand to fine gravel sized comminuted shells. Gravel is subangular to rounded fine to coarse of flint.				
											. . . 3.73m: black geotextile membrane (<1mm thick).				

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
24/09/19		0.00	None	N/R	-
24/09/19		4.50	4.50	178	-
24/09/19		4.50	4.50	178	-
24/09/19		4.50	4.50	178	-
25/09/19		4.50	4.50	178	-
25/09/19		13.50	13.50	178	0.50
30/09/19		13.50	13.50	178	2.30
30/09/19		31.50	31.50	178	2.50

All dimensions in metres		Scale: 1:25
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans
Logged By: Adenham + Eharman + Shinton	Checked By: [Redacted]	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318		Start: 24.09.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 2 of 47
		End: 13.10.19			

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
4.50-6.00				100	0	0										
5.00	104	ES	1xT+2xJ+1xV	100	0	0							-2	(2.67)	5	
6.00-7.50																
6.40	105	ES	1xT+2xJ+1xV								Spongy dark brown pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)		-3.51	6.40	6	
6.60	4	ES	1xT+1xJ+1xV	100	0	0					... 6.66-6.85m: frequent flasers of fine to medium sand (up to 9 x 85mm). ... 6.94-7.04m: plastic peat. ... 7.04-7.20m: thin bed of very soft grey clay with frequent plant matter and pockets of peat. ... 7.20-7.33m: plastic peat.		-4	(1.17)		
7.50-9.00																
7.60	106	ES	1xT+2xJ+1xV								Very soft bluish grey CLAY with frequent pockets of black organic material (up to 5 x 10mm) and occasional plant matter (up to 2 x 7mm). (SUPERFICIAL DEPOSITS - CLAY)		-4.68	7.57		
7.80	5	ES	1xT+1xJ+1xV										-5	(0.66)	8	
8.25	107	ES	1xT+2xJ+1xV	60	0	0					Spongy dark brown spongy pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)		-5.34	-8.23		
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-5.58	8.47		
														(0.53)	AZCL	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
03/10/19		31.50	31.50	178	-
03/10/19	08:00	1.00	None	203	-
03/10/19	18:00	46.50	46.50	203	1.10
07/10/19	12:00	46.50	46.50	203	3.20
07/10/19	18:00	56.50	46.50	203	1.60
08/10/19	08:00	56.50	46.50	203	3.40
08/10/19	17:30	76.00	46.50	203	0.40
09/10/19	08:00	76.00	46.50	203	3.00

General Remarks

6. No flush return from GL to 46.00m depth recorded by driller.

All dimensions in metres

Scale: **1:25**

Method Used: Trial Pit/Trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 3 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
9.00-10.50				60	0	0					Partial recovery (43%). Recovered as spongy dark brown pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT) ... 9.00-10.67m: becoming black.		-6.11	9.00	AZCL
9.50	108	ES	1xT+2xJ+1xV	43	0	0							(1.50)		PR/AZCL
10.50-12.00											Spongy dark brown pseudo-fibrous PEAT. (SUPERFICIAL DEPOSITS - PEAT)		-7.61	10.50	
10.70	109	ES	1xT+2xJ+1xV								Grey fine to medium locally 11.52m to 11.74m medium to coarse SAND with occasional pockets of black organic material (up to 2 x 4mm). (SUPERFICIAL DEPOSITS - SAND)		-7.72	10.61	
10.90	6	ES	1xT+1xJ+1xV										-8	11	
				100	0	0							(1.13)		
12.00-13.50											Grey gravelly fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint and quartzite. (SUPERFICIAL DEPOSITS - SAND AND GRAVEL)		-8.85	11.74	
													-9	12	
				100	0	0							(1.15)		
											Brownish grey fine to coarse SAND with occasional coarse sand to fine gravel sized comminuted shells and occasional flasers of brown and reddish brown clay (up to 11 x 80mm). Oxidises orangish brown. (NORWICH CRAG FORMATION (UNDIFFERENTIATED)) ... 13.09-13.13m: thin bed of reddish brown clay.		-10.00	12.89	
													-10	13	

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth
09/10/19	18:00	92.50	46.50	203	1.30
10/10/19	08:00	92.50	46.50	203	3.50
10/10/19	18:00	100.00	46.50	203	3.40
11/10/19	08:00	46.50	46.50	203	3.60
13/10/19	08:00		None	N/R	-
13/10/19	16:00	8.00	8.00	203	0.30

General Remarks

All dimensions in metres		Scale: 1:25
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Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 4 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
13.50-15.00				100	0	0							-11	(2.11)	
				100	0	0							-12		
15.00-16.50				100	0	0					... 14.09-14.15m: flaser of bluish grey clay (60 x 43mm). ... 14.88-15.00m: sand is fine to medium. Brownish grey fine to coarse SAND with numerous coarse sand to medium gravel sized comminuted shells. Oxidises orangish brown. (RED CRAG FORMATION (UNDIFFERENTIATED))		-12.11	15.00	
				100	0	0							-13		
16.50-18.00				97	0	0					... 16.10-16.40m: oxidises orangish brown. Occasional flasers of brown clay (up to 3 x 42mm). Brownish grey fine to coarse SAND with numerous coarse sand to medium gravel sized comminuted shells with occasional flasers of brown clay (up to 4 x 53mm). (RED CRAG FORMATION (UNDIFFERENTIATED))		-14	17	
													-14.59	17.48	
													-15		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By:
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 5 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
18.00-19.50				97	0	0					... 17.95-18.00m: Assumed zone of core loss.			18	
				97	0	0					... 18.84-19.45m: grey and no oxidisation.			19	
19.50-21.00											... 19.45-19.50m: Assumed zone of core loss.			19.59	
				100	0	0					Brownish grey fine to coarse SAND with numerous coarse sand to medium gravel sized comminuted shells, oxidised orange brown with frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))			20	
21.00-22.50				100	0	0					... 22.28-22.40m: greenish brown grading to grey.			22	
														22.40	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagens	Logged By: ADenham + EHarman + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 6 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
22.50-24.00				100	0	0					Grey fine to coarse SAND with frequent coarse sand to fine gravel sized comminuted shells (RED CRAG FORMATION (UNDIFFERENTIATED)) ... 22.63-22.90m: frequent coarse sand to medium gravel sized comminuted shells. ... 23.07-23.18m: frequent coarse sand to medium gravel sized comminuted shells. ... 23.34-23.36m: coarse gravel sized black shell fragment. ... 23.84-24.00m: cemented (calclitic).		-20	23	
24.00-25.50				100	0	0							-22 (4.96)	24	
25.50-27.00				100	0	0					... 26.30-26.50m: locally thickly laminated between clay, dark grey fine to medium sand and grey fine to coarse sand. ... 26.36-26.38m: very thin bed of greyish brown clay. ... 26.60-26.61m: thick laminae of light grey slightly sandy silt. Sand is fine. ... 26.70-27.00m: oxidises orangish brown.		-23	26	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 7 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
27.00-28.50				100	0	0					. . . 27.26-27.29m: very thin bed of dark grey clay. . . . 27.32-27.36m: very thin bed of dark brownish grey clay. Grey fine to medium SAND. (RED CRAG FORMATION (UNDIFFERENTIATED))		27	27.36	
				100	0	0							25	28	
28.50-30.00				100	0	0					. . . 28.93-28.94m: flaser of dark grey clay (8 x 23mm). . . . 29.16-29.23m: thin bed of grey clay. Grey fine to medium SAND with frequent flasers of grey clay (up to 6 x 30mm). (RED CRAG FORMATION (UNDIFFERENTIATED)) Grey fine to coarse SAND with numerous coarse sand to medium gravel sized comminuted shells. Relatively denser than unit above. (RED CRAG FORMATION (UNDIFFERENTIATED))		26	29	
				100	0	0							26.47	29.36	
30.00-31.50				100	0	0					. . . 30.90-30.98m: occasional flasers of greyish brown clay (up to 4 x 32mm). . . . 31.14-31.25m: thin bed of soft greyish brown clay.		27	30	
				100	0	0							26.72	29.61	
				100	0	0							28		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1
Drilled By: DBailey + MVeckagans			Logged By: ADenham + EHarman + SHinton			Checked By:
All dimensions in metres						Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 8 of 47	

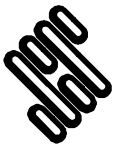
Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
31.50-33.00				100	0	0							-29	32	
				100	0	0					Grey fine to medium SAND occasional to frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-29.54	32.43	
33.00-34.50				100	0	0					Grey fine to coarse SAND with numerous coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED)) ... 33.40-33.50m: locally cemented (calcareous). ... 33.71-33.87m: silty and greenish grey.		-30	33.00	
34.50-36.00				100	0	0					... 34.32-34.33m: subrounded medium gravel sized very weak brown claystone.		-31	34	
											Grey fine to coarse SAND with frequent to numerous coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))		-31.70	34.59	
													-32	35	
													-33		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By:
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 9 of 47

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
36.00-37.50				100	0	0					... 36.88-36.90m: mottled black. ... 36.94-37.05m: coarse sand to medium gravel sized comminuted shells.			(2.94)	
37.50-39.00				100	0	0					Grey fine to medium SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))			(1.50)	
39.00-40.50				100	0	0					... 38.81-39.00m: cemented (calcareous). Grey fine to coarse SAND with frequent to numerous coarse sand to medium gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))			(2.43)	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By: [Redacted]
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 10 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
40.50-42.00				100	0	0										
				97	0	0					... 41.41-41.43m: flaser of greyish brown clay (up to 20 x 43mm). Grey fine to coarse SAND with occasional to frequent coarse sand to fine gravel sized comminuted shells. (RED CRAG FORMATION (UNDIFFERENTIATED))					
42.00-43.50				98	0	0					... 41.96-42.00m: Assumed zone of core loss. ... 42.19-42.21m: black intact gastropod (20 x 30 x 11mm). ... 42.73m: coarse gravel sized black shell fragment. ... 42.85m: coarse gravel sized black shell fragment.					
43.50-45.00				98	0	0					... 43.27-43.47m: cemented (calcareous). ... 43.47-43.50m: Assumed zone of core loss. ... 43.88-44.02m: thick bed of brownish grey clay locally thickly laminated between brownish grey clay and dark grey fine to medium sand. ... 44.07-44.33m: numerous coarse sand to medium gravel sized comminuted shells (relatively more dense).					

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By:
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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 11 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
45.00-46.50				98	0	0					Very stiff extremely closely to very closely fissured thinly laminated micaceous glauconitic silty CLAY. Fissures are randomly orientated planar smooth or rough matte. (HARWICH FORMATION, WRABNESS MEMBER) ... 45.00-45.03m: very stiff dark grey volcanoclastic silt/clay. ... 45.22-45.38m: stiff dark grey volcanoclastic silt/clay.		42.11	45.00	
				100	0	0					Strong dark bluish grey LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND) Very stiff extremely closely to very closely fissured thinly laminated micaceous glauconitic silty CLAY with medium to widely spaced thin to medium beds of very stiff dark grey volcanoclastic silt/clay. Fissures are randomly orientated planar smooth or rough matte. (HARWICH FORMATION, WRABNESS MEMBER) ... 46.31-46.38m: frequent thickly laminations to very thin beds of stiff dark grey volcanoclastic silt/clay.		42.88	45.77	
46.50-47.50	1	D		100	0	0		90% Water (Grey)			... 47.03-47.11m: stiff dark grey volcanoclastic silt/clay.		42.94	45.83	
47.50-49.00											Very strong dark bluish grey LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND) Very stiff extremely closely to very closely fissured thinly laminated very micaceous glauconitic CLAY with medium spaced very thin to medium beds of stiff volcanoclastic silt/clay. Fissures are randomly orientated planar smooth or rough matte. (HARWICH FORMATION, WRABNESS MEMBER) ... 47.59-47.62m: firm dark grey very micaceous volcanoclastic silt/clay. ... 47.91-48.09m: stiff dark grey very micaceous volcanoclastic silt/clay.		44.50	47.39	
47.62-47.91	1	C									... 48.78-49.00m: stiff dark grey very micaceous volcanoclastic silt/clay.		44.61	47.50	
48.09-48.43	2	C		100	0	0		90% Water (Grey)			... 49.17-49.26m: stiff dark grey very micaceous volcanoclastic silt/clay.				
49.00-50.50															
49.00-49.15	2	D		55	0	0									

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1 Drilled By: DBailey + MVeckagans Logged By: ADenham + EHarman + SHinton Checked By:						All dimensions in metres Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 12 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
49.38											... 49.38m: becoming slightly silty CLAY.		46.71	49.60	
46.93											Very strong dark bluish grey LIMESTONE. (HARWICH FORMATION, WRABNESS MEMBER, HARWICH STONE BAND)		46.93	49.82	
				55	0	0		90% Water (Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-47	50	AZCL
														(0.68)	
50.50-52.00	3	C											47.61	50.50	
50.50-50.92											Very stiff extremely closely to very closely fissured thinly laminated very micaceous glauconitic slightly sandy silty CLAY with medium spaced thin laminae to very thin beds of stiff to very stiff dark grey volcanoclastic silt/clay. Sand is fine. Fissures are randomly orientated planar smooth or rough matte. (HARWICH FORMATION, WRABNESS MEMBER)				
50.92-51.22	4	C						90% Water (Dark Grey)							
				100	0	0									
52.00-53.50											... 51.71-51.09m: frequent thinly to thickly laminated stiff dark grey very micaceous volcanoclastic silt/clay.				
52.63-52.92	5	C						90% Water (Dark Grey)							
				100	0	0									
53.50-55.00											... 53.03m: occasional thin lenses of orangish brown fine sand.				
53.81-54.10	6	C									Description on next sheet				
				100	0	0									

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1 Drilled By: DBailey + MVeckagans Logged By: ADenham + EHarman + SHinton Checked By:						All dimensions in metres Scale: 1:25

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 13 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
54.10-54.48	7	C		100	0	0		90% Water (Dark Grey)			... 53.77-53.78m: very stiff dark grey micaceous volcanoclastic clay.		-51.51	54.40	
55.00-56.50											Very stiff extremely closely to very closely fissured bioturbated thinly laminated very micaceous glauconitic slightly sandy silty CLAY with burrows up to 12x4mm infilled with light grey silt and fine sand. (HARWICH FORMATION, ORWELL MEMBER)				
55.17-55.59	8	C									... 54.48-54.49m: very stiff dark grey micaceous volcanoclastic clay.				
55.59-56.04	9	C		100	0	0		90% Water (Dark Grey)			... 55.00-55.03m: very stiff dark grey micaceous volcanoclastic clay.				
56.04-56.38	10	C													
56.50-58.00	3	D									Firm thinly laminated micaceous glauconitic sandy SILT. Sand is fine. (HARWICH FORMATION, ORWELL MEMBER)				
56.50-56.65															
56.70-57.00	11	C													
				82	0	0		90% Water (Dark Grey)							
											... 57.35-57.41m: becoming gravelly sandy SILT. Gravel is rounded fine to medium of flint and chert. Dark yellowish brown micaceous silty SAND. Sand is fine to medium. (HARWICH FORMATION, ORWELL MEMBER)				
											Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)				
58.00-58.75				0	0	0		90% Water (Dark Grey)							AZCL

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored						All dimensions in metres Scale: 1:25
Plant Used:		Hand tools + SDC 390 + Comacchio MC450-P1		Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 14 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
58.75-59.50				0	0	0					Dark yellowish brown gravelly slightly silty SAND. Sand is fine to medium. Gravel is subrounded to rounded fine to coarse of chert, flint and limestone. (HARWICH FORMATION, ORWELL MEMBER)		-55.86	58.75	AZCL
				83	0	0		90% Water (Dark Grey)			Dark brown silty SAND. Sand is fine to medium. (HARWICH FORMATION, ORWELL MEMBER)		-56.08	58.94	
											... 59.37-59.50m: Assumed zone of core loss.		-56.61	59.50	
59.50-60.25				27	0	0		90% Water (Dark Grey)			Partial recovery (27%). Recovered as dark brown gravelly slightly silty SAND. Sand is fine to coarse. Gravel is subrounded to rounded fine to medium of chert and flint. (READING FORMATION)		-57	60	PR / AZCL
60.25-61.00				0	0	0		90% Water (Dark Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-57.36	60.25	
61.00-61.75				0	0	0		90% Water (Dark Grey)					-58	61	
61.75-62.50				0	0	0		90% Water (Dark Grey)					-59	62	AZCL
62.50-63.25				0	0	0		90% Water (Dark Grey)					-60		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1 Drilled By: DBailey + MVeckagans Logged By: Adenham + EHarman + SHinton Checked By:						All dimensions in metres Scale: 1:25

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BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 15 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
63.25-64.00 63.25-63.45	4	D		0	0	0		90% Water (Dark Grey)			Partial recovery (26%). Recovered as dark brown gravelly slightly gravelly SAND. Sand is fine to coarse. Gravel is rounded fine to medium of flint. (READING FORMATION)		60.36	63.25	AZCL
64.00-64.75				0	0	0		90% Water (Dark Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		61.11	64.00	AZCL
64.75-65.50				80	0	0		90% Water (Dark Grey)			Dark brown gravelly slightly gravelly SAND. Sand is fine to coarse. Gravel is rounded fine to medium of flint. (READING FORMATION) ... 65.35-65.50m: Assumed zone of core loss.		61.86	64.75	AZCL
65.50-67.00				65	0	0		90% Water (Dark Grey)			Stiff light brown slightly micaceous CLAY with occasional nodules of calcrete up to 20 x 15mm. (READING FORMATION) Very stiff grey bioturbated micaceous slightly sandy CLAY with frequent fine to coarse gravel sized weak claystones and occasional pockets of calcrete up to 25 x 23mm. Sand is fine to medium. Burrows are up to 60 x 7mm infilled with dark dark yellowish brown silt. Some sand between clay and liner (possibly drilling induced). (READING FORMATION)		62.76	65.65	AZCL
67.00-68.50				57	0	0					Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS) Very stiff bluish grey mottled dark yellowish brown micaceous CLAY with frequent weak brown claystones up to 20 x 16mm. (UPNOR FORMATION)		63.59	66.48	AZCL

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 16 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
68.50-70.00 68.50-68.87	12	C		57	0	0		90% Water (Dark Grey)			Assumed zone of core loss. (ASSUMED ZONE OF CORE LOSS)		-64.96	67.85	
70.00-71.50				100	0	0		90% Water (Dark Grey)			Firm closely laminated light bluish grey mottled orange micaceous sandy SILT. Sand is fine. (UPNOR FORMATION)		-65.61	68.50	AZCL
70.65-71.01	13	C		100	0	0		90% Water (Dark Grey)			... 69.75m: more common orange mottling and occasional laminations of fine orangish brown sand.		-66	68	
71.01-71.37	14	C		100	0	0		90% Water (Dark Grey)			Very stiff extremely closely to very closely fissured thinly laminated dark grey bioturbated micaceous glauconitic CLAY. Fissures are randomly orientated planar smooth polished or striated. Burrows are randomly orientated up to 8 x 2mm infilled with dark grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-67	70	
71.50-73.00 71.50-71.78	15	C		100	0	0		90% Water (Dark Grey)			... 71.37-71.45m: frequent light grey calcrete nodules up to 12 x 10mm.		-67.66	70.55	
71.78-72.28	16	C		100	0	0		90% Water (Dark Grey)					-69		

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1 Drilled By: DBailey + MVeckagens Logged By: ADenham + EHarman + SHinton Checked By:						All dimensions in metres Scale: 1:25

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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 17 of 47	
End: 13.10.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
73.00-74.50	17	C		100	0	0		90% Water (Dark Grey)			Very stiff very closely to closely fissured dark grey mottled green bioturbated micaceous very glauconitic slightly clayey SILT. Fissures are randomly orientated planar smooth polished or striated. Burrows are randomly orientated up to 5 x 2mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-70	72	
73.25-73.57													(4.23)		73
74.35-74.50	5	D		100	0	0		90% Water (Dark Grey)			Very stiff very closely to closely fissured dark grey mottled green bioturbated micaceous very glauconitic slightly clayey SILT. Fissures are randomly orientated planar smooth polished or striated. Burrows are randomly orientated up to 5 x 2mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-71	74	
74.50-76.00															74
75.10-75.53	18	C		100	0	0		90% Water (Dark Grey)			Very stiff very closely to closely fissured dark grey mottled green bioturbated micaceous very glauconitic slightly clayey SILT. Fissures are randomly orientated planar smooth polished or striated. Burrows are randomly orientated up to 5 x 2mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-72	75	
76.00-77.50															75
76.24-76.58	19	C		100	0	0		90% Water (Dark Grey)			Very stiff very closely to closely fissured thinly laminated dark grey bioturbated micaceous glauconitic CLAY. Fissures are randomly orientated		-73	76	
															76
													-73.29	76.18	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	
Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1 Drilled By: DBailey + MVeckagans Logged By: ADenham + EHarman + SHinton Checked By:						All dimensions in metres Scale: 1:25

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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 18 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
76.58-77.09	20	C		100	0	0		90% Water (Dark Grey)			planar smooth polished or striated. Burrows are randomly orientated up to 20 x 5mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-74	77	
77.50-79.00 77.50-77.77	21	C		100	0	0		90% Water (Dark Grey)			... 77.20-77.38m: becoming silty CLAY.		(2.75)		
78.85-79.00	6	D											-75	78	
79.00-80.50											Very stiff very closely to closely fissured locally thinly laminated dark grey bioturbated micaceous very glauconitic silty CLAY with occasional lenses of light grey fine sand. Fissures are randomly orientated planar smooth polished or matte. Burrows are randomly orientated up to 7 x 2mm infilled with light grey silt. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC3)		-76.00	78.93	
79.26-79.69	22	C											-76.37	79.26	
79.69-80.06	23	C		100	0	0		90% Water (Dark Grey)			Geotechnical samples 21C and 22C. Recovered in a sealed liner. (NOT LOGGED ZONE WITH SAMPLING)		(0.80)		NLZS
80.50-82.00				25	0	0					Very stiff very closely to closely fissured thinly laminated dark reddish brown micaceous glauconitic CLAY. Fissures are randomly orientated planar smooth matte or polished. (LISTA FORMATION, ORMESBY CLAY MEMBER, OC2)		-77.17	80.06	
											... 80.50m: becoming gravelly mottled green CLAY. Gravel is subrounded to rounded fine to medium of flint.		-77.83	80.72	
											Partial recovery (25%). Recovered as dark green clayey subangular to subrounded fine to medium		-78		PR / AZCL

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres		Scale: 1:25
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Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 20 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
86.50-88.00				100	89	89		90% Water (Grey)			... 85.40-85.95m: becoming frequently bioturbated. Burrows are up to 40 x 8mm infilled with grey silt.				
88.00-89.50				100	96	83		90% Water (Grey)			... 85.92-85.95m: flint band. Fine to medium gravel sized nodular flints with thick cortexes. ... 86.16m: shell fragment up to 9 x 4mm. ... 86.81-86.86m: flint band. Medium gravel sized nodular flints with a thick cortex. ... 87.13-87.19m: grey phosphatic chalk. ... 87.37m: flaser of dark brown clay up to 13 x 5mm. ... 87.52-87.65m: becoming frequently bioturbated. Burrows are up to 15 x 5mm infilled with dark grey silt. ... 87.86-87.91m: non-intact. ... 87.95-88.00: non-intact. ... 88.00-88.18m: Assumed zone of core loss. ... 88.19m: belemnite rostrum up to 17 x 10mm. ... 88.36-88.51m: black-stained sponge bed.				
89.50-91.00				100	87	87		90% Water (Grey)			... 88.91-89.10m: flint band. Fine to medium sized gravel of nodular flints with thick cortexes. ... 89.23m: black specks becoming occasional. ... 89.27m: shell fragment up to 16 x 10 mm. ... 89.50-89.64m: non-intact. ... 89.74-89.76m: flint band. Very fine to fine gravel sized nodular flints with thin cortexes.				

Boring Progress and Water Observations

Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth

General Remarks

All dimensions in metres		Scale: 1:25
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Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By: [Redacted]
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 21 of 47	
End: 13.10.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
89.91-89.99m				100	87	87		90% Water (Grey)			... 89.91-89.99m: frequent black-stained sponge beds.			90	
91.00-92.50				93	81	71		90% Water (Grey)			... 91.00-91.10m: Assumed zone of core loss. ... 91.10-91.14m: non-intact. ... 91.31m: flaser of black clay up to 40 x 8mm. ... 91.72-91.77m: flint band. Fine to medium gravel sized finger and nodular flints with thin cortexes. ... 91.98-92.07m: black-stained sponge bed. ... 92.33-92.38m: non-intact.			91	
92.50-94.00				100	79	70		90% Water (Light Grey)			... 92.55m: flint band. Fine to medium gravel sized nodular flints with thin cortexes. ... 92.68m: flint band. Fine fragment of pseudo-flint. ... 92.70: shell fragments. ... 92.80-92.92m: non-intact. ... 92.85m: flint band. Fine fragment of poorly formed flint.			92	
94.00-95.50				100	90	85					... 93.32m: belemnite rostrum up to 57 x 5mm.			93	

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 22 of 47	

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend	
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)									
95.50-97.00				100	90	85		90% Water (Light Grey)			. . . 94.45-94.56m: frequent black-stained sponge beds.					
											. . . 94.97m: shell fragments up to 15 x 12mm.					
97.00-98.50				100	93	84		90% Water (Light Grey)			. . . 95.69-95.74m: flint band. Fine to medium gravel sized nodular flints with thin cortexes.					
											. . . 96.79-96.93m: flint band. Fine to medium gravel sized nodular flints with thin cortexes.					
98.50-100.00				100	83	83		90% Water (Light Grey)			. . . 98.00-98.07m: occasional black-stained sponge beds.					
											. . . 98.46m-98.50m: non-intact.					
				97	77	70					. . . 99.50-99.55m: Assumed zone of core loss.					

Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used: Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used: Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By: DBailey + MVeckagans	Logged By: ADenham + EHarman + SHinton	Checked By: XXXXXXXXXX
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6	
Contract Ref: 734318		Start: 24.09.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 23 of 47
End: 13.10.19					

Depth (m)	Samples & Testing			Mechanical Log				Flush Returns	Backfill & Instrumentation	Water	Description of Strata	Fracture Log	Reduced Level	Depth (Thickness)	Legend
	No	Type	Results	TCR (%)	SCR (%)	RQD (%)	If (mm)								
				97	77	70		90% Water (Grey)			... 99.06m: medium gravel sized fragments of pyrite.			99	
											... 99.74-100.00m: flint band. Fine to medium gravel sized nodular flints with thin cortexes. ... 99.86-100.00m: non-intact.				
											Borehole terminated at 100m depth.			100.00	

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Boring Progress and Water Observations						General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	

All dimensions in metres Scale: **1:25**

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 24 of 47

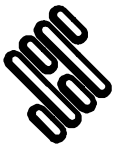
SD2019_6 1.20m - 3.00m depth.



SD2019_6 3.00m - 6.00m depth

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 25 of 47

SD2019_6 6.00m - 9.00m depth.



SD2019_6 9.00m - 12.00m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 26 of 47

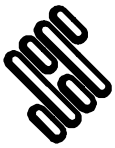
SD2019_6 12.00m - 15.00m depth.



SD2019_6 15.00m - 18.00m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 27 of 47

SD2019_6 18.00m - 21.00m depth.



SD2019_6 21.00m - 24.00m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 28 of 47

SD2019_6 24.00m - 27.00m depth.



SD2019_6 27.00m - 30.00m depth.



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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 29 of 47

SD2019_6 30.00m - 33.00m depth.



SD2019_6 33.00m - 36.00m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 30 of 47

SD2019_6 36.00m - 39.00m depth.



SD2019_6 39.00m - 42.00m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	Adenham + EHarman + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 31 of 47

SD2019_6 42.00m - 45.00m depth.



SD2019_6 45.00m - 47.50m depth.

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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 32 of 47

SD2019_6 45.00m - 47.50m depth. (Split)



SD2019_6 47.50m - 50.50m depth.

GINT LIBRARY v8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 33 of 47

SD2019_6 47.50m - 50.50m depth. (Split)



SD2019_6 50.50m - 53.50m depth.

GINT LIBRARY v8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 34 of 47

SD2019_6 50.50m - 53.50m depth. (Split)



SD2019_6 53.50m - 56.50m depth.

GINT LIBRARY v8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8.07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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STRUCTURAL SOILS

BOREHOLE LOG

Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 35 of 47

SD2019_6 53.50m - 56.50m depth. (Split)



SD2019_6 56.50m - 58.75m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 36 of 47

SD2019_6 56.50m - 58.75m depth. (Split)



SD2019_6 58.75m - 60.25m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagens	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 37 of 47

SD2019_6 58.75m - 60.25m depth. (Split)



SD2019_6 60.25m - 61.75m depth.

GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 38 of 47

SD2019_6 61.75m - 63.25m depth.



SD2019_6 63.25m - 64.75m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 39 of 47

SD2019_6 63.25m - 64.75m depth. (Split)



SD2019_6 64.75m - 67.00m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 40 of 47

SD2019_6 67.00m - 70.00m depth.



SD2019_6 67.00m - 70.00m depth. (Split)

GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9 |

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 41 of 47

SD2019_6 70.00m - 73.00m depth.



SD2019_6 70.00m - 73.00m depth. (Split)

GINT LIBRARY V8.07.GLB LibVersion: v8.07.001 PriVersion: v8.07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318 - SIZEWELL C ONSHORE GI 2019.GPJ - v8.07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:35 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 42 of 47

SD2019_6 73.00m - 76.00m depth.



SD2019_6 73.00m - 76.00m depth. (Split)

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:38 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 43 of 47

SD2019_6 76.00m - 79.00m depth.



SD2019_6 76.00m - 79.00m depth. (Split)

GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07.
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Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 44 of 47

SD2019_6 79.00m - 82.00m depth.



SD2019_6 79.00m - 82.00m depth. (Split)

GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07. Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:38 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 45 of 47

SD2019_6 82.00m - 85.00m depth.



SD2019_6 85.00m - 88.00m depth.

GINT LIBRARY V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07.
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Method Used:	Trial Pit/Trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 46 of 47

SD2019_6 88.00m - 91.00m depth.



SD2019_6 91.00m - 94.00m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL_C_ONSHORE_GI_2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:38 | ST9 |

Method Used:	Trial Pit/Trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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Contract: Sizewell C Onshore GI Phase 2 2019		Client: NNB Generation Company (SZC) Ltd		Borehole: SD2019_6
Contract Ref: 734318	Start: 24.09.19 End: 13.10.19	Ground Level (m AOD): 2.89	National Grid Co-ordinate: E:647056.1 N:263930.0	Sheet: 47 of 47

SD2019_6 94.00m - 97.00m depth.



SD2019_6 97.00m - 100.00m depth.

GINT LIBRARY_V8_07.GLB LibVersion: v8_07_001 PriVersion: v8_07 | Log XCUSTOM - 734318 - COMPOSITE LOG - A4P | 734318_SIZEWELL C ONSHORE GI 2019.GPJ - v8_07.
Structural Soils Ltd, Head Office - Bristol: The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel: 0117-947-1000, Fax: 0117-947-1004, Web: www.soils.co.uk, Email: ask@soils.co.uk | 16/07/20 - 10:38 | ST9

Method Used:	Trial Pit/trench + Sonic Drilling + Rotary Cored	Plant Used:	Hand tools + SDC 390 + Comacchio MC450-P1	Drilled By:	DBailey + MVeckagans	Logged By:	ADenham + EHarman + SHinton	Checked By:	
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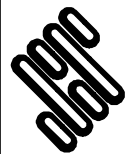
SUMMARY OF DISCONTINUITIES - SD2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
1	82.24	BF	3	P-R	-	-	-	Clean	BEECK	CHALK
2	82.46	BF	10	P-R	-	-	-	Clean	BEECK	CHALK
3	82.91	BF	5	P-R	-	-	-	Occasional black specks, unstained, no infill.	BEECK	CHALK
4	82.97-83.00	J	33	U-R	-	-	-	Clean	BEECK	CHALK
5	83.17	BF	9	P-R	-	-	-	Clean	PCF	CHALK
6	83.17-83.28	J	79	U-R	-	-	-	Clean	PCF	CHALK
7	83.28	BF	6	P-R	-	-	-	Clean	PCF	CHALK
8	83.40	BF	9	P-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
9	83.45	BF	2	P-R	-	-	-	Clean	PCF	CHALK
10	83.74	BF	1	S-R	-	-	-	Clean	PCF	CHALK
11	83.82-83.83	J	26	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
12	83.82-83.92	J	67	P-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.



STRUCTURAL SOILS
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Compiled By

KJOHNSTONE

Date

15.05.20

Contract Ref:

734318

Contract:

Sizewell C Onshore GI Phase 2 2019

Page:

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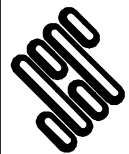
SUMMARY OF DISCONTINUITIES - SD2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
13	83.91-83.94	J	42	P-R	-	-	-	Occasional black specks, lightly stained yellow, no infill.	PCF	CHALK
14	83.99-84.01	J	32	P-R	-	-	-	Clean	PCF	CHALK
15	84.23	BF	9	P-R	-	-	-	Clean	PCF	CHALK
16	84.38	J	2	P-R	-	-	-	Clean	PCF	CHALK
17	84.43	J	3	P-R	-	-	-	Clean	PCF	CHALK
18	84.90	BF	2	P-R	-	-	-	Clean	PCF	CHALK
19	84.91-84.96	J	83	P-R	-	-	-	Clean	PCF	CHALK
20	84.96	BF	5	P-R	-	-	-	Clean	PCF	CHALK
21	85.15	BF	3	U-R	-	-	-	Clean	PCF	CHALK
22	85.15-85.19	J	55	P-R	-	-	-	Clean	PCF	CHALK
23	85.59	BF	7	U-R	-	-	-	Clean	PCF	CHALK
24	85.92	J	32	P-R	-	-	-	Clean	PCF	CHALK
25	85.95	J	3	P-R	-	-	-	Clean	PCF	CHALK
26	86.36	BF	5	U-R	-	-	-	Clean	PCF	CHALK
27	86.58	BF	2	P-R	-	-	-	Occasional black specks,	PCF	CHALK

Key:

Type codes: BF = Bedding fracture, F = Fault, J = Joint.

Small-scale roughness codes: P-R = Planar - rough, S-R = Stepped - rough, U-R = Undulating - rough.



STRUCTURAL SOILS
The Old School
Stillhouse Lane
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Compiled By

KJOHNSTONE

Date

15.05.20

Contract Ref:

734318

Contract:

Sizewell C Onshore GI Phase 2 2019

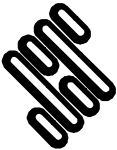
Page:

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SUMMARY OF DISCONTINUITIES - SD2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
								lightly stained yellow, no infill.		
28	86.94	BF	3	S-R	-	-	-	Clean	PCF	CHALK
29	87.46	BF	1	P-R	-	-	-	No black specks, occasional yellow staining, no infill.	PCF	CHALK
30	87.73-87.75	J	30	U-R	-	-	-	Clean	PCF	CHALK
31	87.86	BF	9	P-R	-	-	-	Clean	PCF	CHALK
32	87.91	BF	4	P-R	-	-	-	Clean	PCF	CHALK
33	87.95-87.98	J	28	U-R	-	-	-	Clean	PCF	CHALK
34	88.32	BF	3	P-R	-	-	-	Clean	PCF	CHALK
35	88.61-88.62	J	18	U-R	-	-	-	Clean	PCF	CHALK
36	89.17	BF	3	P-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
37	89.22	BF	2	P-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
38	89.41	BF	10	P-R	-	-	-	Occasional black specks, lightly stained yellow, no infill.	PCF	CHALK

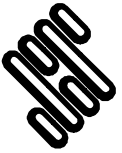
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SUMMARY OF DISCONTINUITIES - SD2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
39	89.64	BF	8	P-R	-	-	-	Rare black specks, unstained, no infill.	PCF	CHALK
40	89.76	BF	4	U-R	-	-	-	Clean	PCF	CHALK
41	89.94-89.95	J	21	P-R	-	-	-	Rare black specks, lightly stained yellow, no infill.	PCF	CHALK
42	90.56-90.59	J	26	U-R	-	-	-	Clean	PCF	CHALK
43	91.14	BF	7	U-R	-	-	-	Rare black specks, lightly stained yellow, no infill.	PCF	CHALK
44	91.14-91.26	J	85	U-R	-	-	-	Clean	PCF	CHALK
45	91.26	BF	7	U-R	-	-	-	Clean	PCF	CHALK
46	91.94-91.96	J	21	U-R	-	-	-	Clean	PCF	CHALK
47	92.02-92.03	BF	10	P-R	-	-	-	Clean	PCF	CHALK
48	92.33	BF	10	P-R	-	-	-	Clean	PCF	CHALK
49	92.38	BF	9	U-R	-	-	-	Clean	PCF	CHALK
50	92.59	BF	8	P-R	-	-	-	Clean	PCF	CHALK
51	92.73-92.74	J	19	U-R	-	-	-	Clean	PCF	CHALK

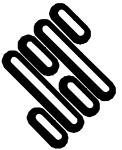
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SUMMARY OF DISCONTINUITIES - SD2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
52	92.80	BF	7	U-R	-	-	-	Clean	PCF	CHALK
53	92.92-92.93	J	23	P-R	-	-	-	Clean	PCF	CHALK
54	93.00	J	10	P-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
55	93.88	BF	9	P-R	-	-	-	Clean	PCF	CHALK
56	94.59	BF	5	P-R	-	-	-	Clean	PCF	CHALK
57	94.70	BF	6	P-R	-	-	-	Clean	PCF	CHALK
58	94.90-94.93	J	21	P-R	-	-	-	Clean	PCF	CHALK
59	94.98-95.03	BF	25	P-R	-	-	-	Clean	PCF	CHALK
60	95.03-95.14	J	87	U-R	-	-	-	Clean	PCF	CHALK
61	95.14	BF	10	P-R	-	-	-	Rare black specks, lightly stained yellow, no infill.	PCF	CHALK
62	95.33	BF	8	P-R	-	-	-	Clean	PCF	CHALK
63	95.54	BF	7	P-R	-	-	-	Clean	PCF	CHALK
64	96.02	BF	10	U-R	-	-	-	Rare black specks, lightly stained yellow, no infill.	PCF	CHALK

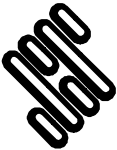
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SUMMARY OF DISCONTINUITIES - SD2019_6

Fracture Number	Depth (m)	Fracture Type	Dip (deg)	Small Scale Roughness	Aperture Description	Discontinuity Spacing	Infill Material Description	Remarks	Geology Code	Second Geology Code
65	96.79-97.82	J	18	P-R	-	-	-	Clean	PCF	CHALK
66	96.93	BF	7	P-R	-	-	-	Clean	PCF	CHALK
67	97.43-97.45	J	23	U-R	-	-	-	Clean	PCF	CHALK
68	97.56	BF	10	U-R	-	-	-	No black specks, lightly stained yellow, no infill.	PCF	CHALK
69	97.90	BF	8	P-R	-	-	-	Clean	PCF	CHALK
70	98.37	BF	4	P-R	-	-	-	Clean	PCF	CHALK
71	98.37-98.46	F	86	U-R	-	-	-	Clean	PCF	CHALK
72	98.40	BF	10	P-R	-	-	-	Clean	PCF	CHALK
73	98.70-98.72	J	13	P-R	-	-	-	Clean	PCF	CHALK
74	98.89	BF	6	P-R	-	-	-	Clean	PCF	CHALK
75	98.92	BF	10	U-R	-	-	-	Clean	PCF	CHALK
76	99.17-99.20	J	15	U-R	-	-	-	Clean	PCF	CHALK
77	99.33-99.34	J	18	U-R	-	-	-	Occasional black specks, unstained, no infill.	PCF	CHALK
78	99.54	BF	10	P-R	-	-	-	Clean	PCF	CHALK

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