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SS 78 NE 209

Holst Soil Engineering Limited BOREHOLE LOG

Borehole No.

4

Contract No. F3677

Location River Afan

Client Borough of Afan

Method of Boring Percussion

Diameter of Borehole 150 mm

Sheet 2 of 2

Chainage

Ground Level

Date

Description of Strata	Legend	Depth Below G.L.(m)	Thickness of Strata(m)	Type of Sample	c KN/sq.m	φ deg	m.c. %	γ Kg/cu.m	N
Firm grey sandy gravelly CLAY		10.00		I	52	0	12.3	2210	
		10.60	3.90						
Dense coarse sandy GRAVEL with cobbles				I					34
				I					35
				I					48
		15.00	4.40						

<p style="text-align: center;">Key</p> <p> □ Undisturbed Sample ϕ Angle of Friction ○ Disturbed Sample m.c. Moisture Content △ Water Sample γ Bulk Density I Penetration Test N S.P.T. Value c Apparent Cohesion </p>	<p>Remarks (Observations of Ground Water etc.)</p> <p style="text-align: center;">British Geological Survey</p> <p style="text-align: right;">British Geological Survey</p> <p>Water levels are subject to seasonal or tidal variations and should not be taken as constant</p>								



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Holst Soil Engineering Limited

BOREHOLE LOG

Borehole No.
Area B
4

Contract No. F3677
 Location River Afan
 Client Borough of Afan
 Method of Boring Percussion
 Diameter of Borehole 150 mm

Sheet 1 of 2
 Chainage: SS7.7592, 188.281
 Ground Level
 Date 2-5/9/77

Description of Strata	Legend	Depth Below G.L.(m)	Thickness of Strata(m)	Type of Sample	c KN/sq.m	φ deg	m.c. %	γ Kg/cu.m	N
MADEGROUND Loose ash, slag, clay				1.00 I					10
				3.00 I					12
Soft grey silty sandy CLAY		3.80	3.80	4.00 J	13	0	31.9	1910	
Soft dark grey organic silty CLAY with numerous bands of peat		4.60	0.80	4.90 J	20	0	280.6	1050	
Firm grey brown mottled sandy gravelly CLAY with pockets of sand		6.20		6.20 J	7	0	78.3	1390	
		6.70	2.10	7.00 J	43	0	31.5	1970	
				8.40 J	43	0	16.6	2180	



Remarks (Observations of Ground Water etc.)

Key

- Undisturbed Sample ϕ Angle of Friction
- Disturbed Sample m.c. Moisture Content
- △ Water Sample γ Bulk Density
- I Penetration Test N S.P.T. Value
- c Apparent Cohesion

Water struck at 3.60 m
 final standing level 6.80 m casing at 15.0 m
 in the gravel.

Water levels are subject to seasonal or tidal variations and should not be taken as constant