BOREHOLE No. GTBH3_08

Sheet 1 of 2

Project: Port Latta Waste Depot - Cell 5 Client: Circular Head Council Driller: Des Frazer Northings: 5475794.4mN Logged: ARE
Location: Port Latta Start - Finish Date: 04/11/08 - 04/11/08 Rig: Explorer 50 Eastings: 362654.6mE Checked: GMc
Job No: VT30318 Bore dia: 150mm Surface Conditions: Clay RL: 42.1 Oriented: -90

LABORATORY DATA						FIELD DATA				SOIL DESCRIPTION		SOIL CONDITION		COMMENTS
dry density (t/m³)	moisture content (%)	liquid limit (%)	plasticity index (%)	percent fines (%)	design / test data	field & other tests	sample type	field tests	ground water depth (m)	graphic log	soil type, unified classification, colour, structure, particle characteristics, minor components	consistency/ density	moisture condition	drilling method, well construction, water and additional observations
											FILL Silty CLAY (ML), light grey, wood fragments	VL	D	Hollow stem auger (0 to 5.25m) Run 1 (0 to 1.0m)
											CLAY (CH) mottled orange, dark and light grey	F	D	
						Sup=110								
						Sup=220			1					
1.5	30													U63 push tube sample (1.0 to 1.25m)
						Sup=220								Run 2 (drill out U63, 1.25 to 1.5m)
											Clayey SILT (MH) mottled light grey, orange	St	D	SPT 1 (1.5 -1.95m)
						5/7/12 N=19								
				97.1					2					Run 3 (drill out SPT 1, 1.95 to 2.0m) U63 push tube sample (2.0 to 2.4m)
						Sup=280								
		59	23			Sup=275								Run 4 (drill out U63, 2.4 to 2.5m) U63 push tube sample (2.5 to 2.95m)
						Sup=>300			3					Run 5 (drill out U63, 2.95 to 3.0m) SPT 2 (3.0 -3.45m)
						4/7/8 N=15 Sup=290								
1.41	33													Run 6 (drill out U63, 3.45 to 3.5m) U63 push tube sample (3.5 to 3.95m)
						Sup=300 Sup=250			4					Run 7 (3.95 - 4.5m)
						20/-/- (120mm)								SPT 3 (4.5 -4.62m) Refusal Double bouncing hammer
									5					

LABORATORY DATA
UQN Unconfined Comp. (Natural)
UQC Unconfined Comp. (Compacted)
TQN Uncons. Undrained Triax. (Natural)
TQC Uncons. Undrained Triax. (Compacted)
TRX Consolidated Undrained Triaxial with pwp measurement
PSA Particle Size Analysis
CS 1D oedometer Test
LPM Laboratory Permeability

FIELD DATA ABBREVIATIONS
Suv = Uncorrected vane shear (kPa)
Sup = Pocket penetrometer (kPa)
N = SPT blows per 300mm
FPM = Field permeability

GROUNDWATER SYMBOLS
= Water level (static)
= Water level (during drilling)
= Outflow / Inflow

FIELD DATA SYMBOLS
= Shear vane test
= Pocket Penetrometer test
= Standard Penetration Test (SPT top = start of N blowcount)
= SPT Spoon Sample (Pushed)
= Undisturbed Tube Sample
= Disturbed Sample
= Bulk Sample

DENSITY (N-value)

VL	(very loose)	0 - 4
L	(loose)	4 - 10
MD	(medium dense)	10 - 30
D	(dense)	30 - 50
VD	(very dense)	50 - 100
CO	(compact)	>50/150mm

MOISTURE CONDITION
D = Dry M = Moist W = Wet

CONSISTENCY (Su)

VS	(very soft)	< 12 kPa
S	(soft)	12 - 25
F	(firm)	25 - 50
St	(stiff)	50 - 100
VSt	(very stiff)	100 - 200
H	(hard)	> 200 kPa

SKM 001 SOIL PORT_LATTA_13_03_08.GPJ SKM_001_2008 05 07_DS.GDT 13/3/09

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						Sup=110				SILTSTONE (XW) light red	EL	D	
										Borehole terminated in siltstone at 5.25m. Groundwater not encounted. Borehole grouted 06/11/08.			

6
7
8
9
10

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