BOREHOLE No. PL2000/9

Project: Port Latta Waste Depot
Location: Port Latta
Job No: VT30318

Client: Circular Head Council
Start - Finish Date: 24/8/00 - 24/8/00
Bore dia: 100mm

Driller: S Heawood
Rig: Trafus
Surface Conditions:

Northings: 5475640.0mN
Eastings: 362536.0mE
RL: 41.7

Logged: A Ezzy
Checked: A Waite
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
											CLAY (CH) high plasticity, light red, 10% siltstone fragments.	F/D	M	Cement
											CLAY (CH) high plasticity, light red, 10% clay white mottles.	F	M	Bentonite
									1		CLAY (CH) high plasticity, light red and grey.	F	M	7 mm Gravel
											CLAY (CH) high plasticity, light grey.	F	D	
									2		CLAY (CH) high plasticity, red-orange, 30% clay mottles various colours.	S	D	
											CLAY (CH) high plasticity, light red, 15% clay mottles various colours.	S	D	
									3		CLAY (CH) high plasticity, light red-brown, 10% clay mottles white.	S	D	
											CLAY (CH) high plasticity, light red, 10% clat grey mottles white.	S	D	
									4		CLAY (CH) high plasticity, red-brown, 5% clay mottles various colours.	F	D	
											CLAY (CH) high plasticity, light red, 5% siltstone various coloured fragments.	S	D	
									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

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											CLAY (CH) high plasticity, light red, 5% siltstone various coloured fragments. *(continued)*			
											CLAY (CH) high plasticity, light brown and red, 5% clay mottles various colours.	S	D	
									6		CLAY (CH) high plasticity, light brown, siltstone, various colourred fragments.	S	D	
									7		CLAY (CH) high plasticity, light red.	S	D	
											CLAY (CH) high plasticity, yellow and green-grey, 5% siltstone grey fragments.	S	D	
									8		CLAY (CH) high plasticity, green-grey, yellow-green and brown.	S	D	N.F.R.S Screen 4 x 150 mm spaced 5 mm holes
											CLAY (CH) high plasticity, yellow and green-grey, 5% siltstone grey fragments.	S	M	
									9		CLAY (CL) medium plasticity, grey and green-brown, siltstone yellow and grey inter banded (1 mm) fragments.	S	D	
											CLAY (CL) low plasticity, mottled various colours, siltstone chips	F	M	
									10					

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							●				CLAY (CL) low plasticity, mottled various colours, siltstone chips *(continued)*			
											End of hole due to auger refusal at 10.2 metres.			

11
12
13
14
15

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FIELD DATA SYMBOLS
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- ⊥ = Pocket Penetrometer test
- ▽ = Standard Penetration Test (SPT top = start of N blowcount)
- ▼ = SPT Spoon Sample (Pushed)
- ■ = Undisturbed Tube Sample
- ● = Disturbed Sample
- ▮ = Bulk Sample

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