BOREHOLE No. PL2000/6

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

Client: Circular Head Council
Start - Finish Date: 23/8/00 - 24/8/00
Bore dia: 100mm

Driller: S Heawood
Rig: Trafus
Surface Conditions:

Northings: 5475520.0mN
Eastings: 362481.0mE
RL: 44.3

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, red-brown, clay various coloured mottles - cover material.		F	M	Cement Bentonite overburden.
									1		CLAY (CH) high plasticity, brown, clay variouscoloured mottles.		F	M	7 mm Gravel
									2		CLAY (CH) high plasticity, light red, 30% clay light grey mottles.		S/L	D	
									3		CLAY (CH) high plasticity, light red 20% clay white mottles.		S/L	D	
											CLAY (CH) high plasticity, light red.		S/L	D	
									4		CLAY (CH) high plasticity, light red, siltstone light red fragments.		S/L	D	
											CLAY (CH) high plasticity, yellow, 5% clay brown mottles and siltstone fragments.		S/L	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 (CL) medium plasticity, light brown, siltstone various coloured fragments.	S/L	D	Clay overburden transitional zoneto Cowrie Siltstone bedrock.
								6		CLAY (CH) high plasticity, yellow and brown, siltstone fragments.	S/L	D	N.F.R.S Screen with 4 x 50 mmspaced 5 mm holes
								7		CLAY (CH) high plasticity, yellow, siltstone fragments.	S/L	D	
										CLAY (CH) high plasticity, brown-grey, 5% clay various coloured mottles and siltstone chips.	S/L	D	
								8		CLAY (CL) medium plasticity, light brown-grey, siltstone black fragments.	S/L	D	
								9		CLAY (CL) medium plasticity, dark yellow-grey siltstone fragments.	S/L	D	
										CLAY (CL) medium plasticity, yellow-brown, siltstone and quartz fragments.	S/L	D	
										CLAY (CL) low plasticity, dark grey, black siltstone.	S/L	D	
								10		End of hole at 9.9 m - installation 24/8/00			

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