BOREHOLE No. PL2000/2

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

Client: Circular Head Council
Start - Finish Date: 22/8/00 - 22/8/00
Bore dia: 100mm

Driller: S Heawood
Rig: Trafus
Surface Conditions:

Northings: 5475631.0mN
Eastings: 362588.0mE
RL: 40.5

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	F	M	Cement
											CLAY (CH) high plasticity, light red	Vst	D	Tertiary Clay overburden
									1		CLAY (CH) high plasticity, red-grey	S/L	D	7 mm Gravel
											CLAY (CH) high plasticity, light grey	S/L	D	
									2		CLAY (CH) high plasticity, light red, 5% clay grey mottles	S/L	D	
											CLAY (CH) high plasticity, white-red, 10% clay grey mottles	S/L	D	
									3		CLAY (CH) high plasticity, red-brown, clay grey mottles	S/L	D	
											CLAY (CH) high plasticity, light red, clay grey mottles <2 mm	S/L	D	
									4		CLAY (CH) high plasticity, red-brown, 20% clay light grey mottles	S/L	D	
											CLAY (CH) high plasticity, red, 5% clay grey mottles	S/MD	M	
									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, red, clay grey mottles	L	M	
									6		CLAY (CH) medium plasticity, red, siltstone fragments	L	M	
											CLAY (CH) medium plasticity, brown, siltstone fragments	S	M	
									7					
											CLAY (CH) high plasticity, red, orange siltstone fragments	S	M	
									8					
									9		CLAY (CH) high plasticity, red-yellow, various coloured siltstone fragments	S/L	M	
											CLAY (CH) high plasticity, brown	S/L	M	
									10					

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											CLAY (CH) high plasticity, brown *(continued)*			
											CLAY (CL) high plasticity, red, clay grey mottles	S/L	M	N.F.R.S Screen
									11		CLAY (CL) medium plasticity, grey-green, black siltstone fragments	F	M	
											CLAY (CL) low plasticity, green-grey, black micaceous siltstone fragments	F	M	Clay overburden Transitional zone to Cowrie Siltstone bedrock.
									12					
									13		End of hole due to auger refusal at 13 m			
									14					
									15					

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