

Project: Port Latta Waste Depot - Cell 5 Client: Circular Head Council Driller: Des Frazer Northings: 5475789.4mN Logged: ARE
 Location: Port Latta Start - Finish Date: 04/11/08 - 05/11/08 Rig: Explorer 50 Eastings: 362599.7mE Checked: GMc
 Job No: VT30318 Bore dia: 150mm Surface Conditions: Clay RL: 42.3 Oriented: -90

LABORATORY DATA						FIELD DATA			SOIL DESCRIPTION		SOIL CONDITION		COMMENTS
dry density (t/m ³)	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
1.52	27.6					Sup=20				FILL sand, fine to medium, light brown	VL	D	Hollow stem auger (0 to 5.25m) Run 1 (0 to 1.0m)
						Sup=140				Silty CLAY (MH) light brown, orange, <1% iron staining	St	D	
						Sup=100		1					U63 push tube sample (1.0 to 1.35m)
						Sup=280							SPT 1 (1.35 -1.8m)
				92.4		6/9/17 N=26 Sup=275				Silty CLAY (ML) mottled light grey, orange, <1% organic matter, <3% iron staining, trace fine to coarse sand	St	D	Run 2 (drill out U63 and SPT1, 1.8 to 2.0m) U63 push tube sample (2.0 to 2.35m)
						Sup=290		2					Run 3 (drill out U63, 2.35 to 2.5m) U63 push tube sample (2.5 to 2.80m)
1.60	23.8					Sup=290				Silty CLAY (ML) light grey, mottled orange	St	D	SPT 2 (2.8 -3.25m)
						6/9/13 N=22 Sup=275		3					Run 4 (drill out SPT2 and U63)
						Sup=275				Silty CLAY (ML) light grey, orange, red	H	D	U63 push tube sample (3.25 to 3.45m) Run 5 (drill out U63, 3.45 to 4.0m)
3.45		34	8			Sup=>300							
						Sup=75							
						Sup=170							
						Sup=195		4					
						7/12/18 N=30 Sup=260							SPT 3 (4.0 -4.45m)
										Silty CLAY (ML) light yellow	St	D	Run 6 (drill out SPT3, 4.45 to 4.75m) SWL 1120hrs 05/11/08 Run 7 (4.75 to
								5		Silty CLAY (ML) light brown, <5% gravel, coarse, angular (SILTSTONE(XW))	F	D	

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

LABORATORY DATA	FIELD DATA ABBREVIATIONS	FIELD DATA SYMBOLS	DENSITY (N-value)	CONSISTENCY (Su)
UQN Unconfined Comp. (Natural)	Suv = Uncorrected vane shear (kPa)	⊗ = Shear vane test	VL (very loose) 0 - 4	VS (very soft) < 12 kPa
UQC Unconfined Comp. (Compacted)	Sup = Pocket penetrometer (kPa)	⊥ = Pocket Penetrometer test	L (loose) 4 - 10	S (soft) 12 - 25
TQN Uncons. Undrained Triax. (Natural)	N = SPT blows per 300mm	▽ = Standard Penetration Test (SPT top = start of N blowcount)	MD (medium dense) 10 - 30	F (firm) 25 - 50
TQC Uncons. Undrained Triax. (Compacted)	FPM = Field permeability	▽ = SPT Spoon Sample (Pushed)	D (dense) 30 - 50	St (stiff) 50 - 100
TRX Consolidated Undrained Triaxial with pwp measurement		▼ = Undisturbed Tube Sample	VD (very dense) 50 - 100	VSt (very stiff) 100 - 200
PSA Particle Size Analysis		● = Disturbed Sample	CO (compact) >50/150mm	H (hard) > 200 kPa
CS 1D oedometer Test		□ = Bulk Sample		
LPM Laboratory Permeability				
	GROUNDWATER SYMBOLS		MOISTURE CONDITION	
	▼ = Water level (static)		D = Dry M = Moist W = Wet	
	▽ = Water level (during drilling)			
	↔ = Outflow / Inflow			

