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GEOTECHNICAL LOG OF EXCAVATION

HOLE NO. : TP1

SHEET : 1 OF 1

JOB NO : C15733

CLIENT : BORDER DISTRICT
 PROJECT : 8 MILE INTERSECTION UPGRADE
 LOCATION : Ch 550 (approx) on control line M301

Co-ords: 4709.657 E
 8891.202 N

RL : 501.279m

EXCAVATION							SUBSTANCE				TESTS		ADDITIONAL OBSERVATIONS			
DEPTH	METHOD	SUPPORT	FAST	MEDIUM	SLOW	WATER	LOG	USC	DESCRIPTION	MOIST	CONDENS	SAMPLES	TYPE	RESULT	Structure and Origin	
									Soil Type: grain size, plasticity, colour structure, minor components.							
0.2								CH	CLAY (TOPSOIL) : Black, dry to slightly moist, stiff to hard, high plasticity. Forms rectangular blocks when excavated.	D	St				Residual soil LL=57.6%, PI=28.0% LS=19.0%	
0.35								H								
0.6								HW	BASALT Brown, fine grained, low strength.						Lava flow LL=48.2%, PI=24.2% LS=14.0%	
0.8																
1.0																
1.2								MW								
1.4									Grey to brown, fine grained, medium to high strength, with well developed spheroidal weathering of MW corestones in HW matrix Approaches SW near the bottom of the hole. No groundwater encountered						Lava flow	
1.6																
1.8																
2.0																
2.2																
2.4																
2.6																
2.7																
3.0									EOH 2.7m (near refusal)							
3.2																
3.4																
3.6																
3.8																
4.0																

Notes: The boundary between HW and MW indistinct.

BASALT: Dark, fine grained, extrusive basic volcanic rock

DCP test from natural surface to 2m

Contractor : Gary	Commenced : 24/8/2000	Logged by : J Kleindienst
Rig : Komatsu PC220 (22 tonnes)	Weather : Fine, cold	Checked by :
Details of abbreviations and basis of description are given in Explanatory Notes.		



Plate 1: Site view of TP1



Plate 2: Excavated material from TP1



Plate 3: View inside TP1