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GEOTECHNICAL LOG OF EXCAVATION

HOLE NO. : TP2

SHEET : 1 OF 1

JOB NO : CI5733

CLIENT : BORDER DISTRICT
 PROJECT : 8 MILE INTERSECTION UPGRADE
 LOCATION : Ch 440 (approx) on control line M209

Co-ords: 4637.633 E
 8951.292 N

RL : 500.227m

EXCAVATION								SUBSTANCE				TESTS		ADDITIONAL OBSERVATIONS			
DEPTH	METHOD	SUPPORT	FAST	MEDIUM	SLOW	WATER	GEOGRAPHIC	USC	DESCRIPTION	MOIST	CEN	SS	IT	SAMPLES	TYPE	RESULT	Structure and Origin
									Soil Type: grain size, plasticity, colour structure, minor components.								
0.2								CH	SLIGHTLY SILTY CLAY: Black, dry to moist, very stiff, high plasticity, blocky when excavated.							Residual	
0.35																	LL=66.8%, PI=35.6% LS=20.0%
0.6								XW	BASALT: Brown to pale orange, slightly moist, vesicular, easily crumbled in fingers							Lava flow	
0.8																	LL=58.0%, PI=33.0%
1.0								HW	Grey to red brown, containing small MW corestones to cobble size, low to medium strength, MW corestones high strength							LS=16.6%	
1.2																	
1.4																	
1.6								MW		Grey, fine grained, containing green weathered olivine crystals, onion skin weathering of high strength SW corestones. MW basalt is high strength Excavation possible due to corestones. No groundwater encountered							Lava flow
1.8																	
2.0																	
2.2																	
2.4																	
2.6																	
2.7																	
3.0																	
3.2									EOH 3.0m								
3.4																	
3.6																	
3.8																	
4.0																	

BASALT: Dark coloured, fine grained, basic extrusive volcanic rock

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 4: Site view of TP2



Plate 5: Excavated materials from TP2



Plate 6: View inside TP2