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GEOTECHNICAL LOG OF EXCAVATION

HOLE NO. : TP4

SHEET : 1 OF 1

JOB NO : C15733

CLIENT : BORDER DISTRICT
PROJECT : 8 MILE INTERSECTION UPGRADE

Co-ords: 4571.580 E
9141.200 N

LOCATION :

RL : 494.157m

EXCAVATION										SUBSTANCE				TESTS		ADDITIONAL OBSERVATIONS
DEPTH	METHOD	SUPPORT	FAST	MEDIUM	SLOW	WATER	GLOGRAPHIC	USC	DESCRIPTION Soil Type: grain size, plasticity, colour structure, minor components.	MOIST	CONSISTENCY	SAMPLES	TYPE	RESULT	Structure and Origin	
0.2									CL SLIGHTLY SILTY CLAY Brown, becoming	M	VSt				Residual topsoil	
0.4									black, moist, very stiff, high plasticity, excavates in blocks with sheen on faces							
0.6									XW BASALT						Lava flow 2.0-2.5m: LL=70.8%, PI=29.0%, LS=16.8% 2.50m: LL=68.6%, PI=35.8%, LS=19.0% 2.5-3.0m: LL=71.2%, PI=38.0%, LS=19.0%	
0.8									Grey brown, moist, fine grained, with the properties of a hard slightly sandy silty clay.							
1.0									Contains angular cobble sized fragments of medium to high strength MW/SW basalt							
1.2																
1.4																
1.6																
1.8																
2.0																
2.2																
2.4																
2.6																
2.7																
3.0									HW Olivine basalt, grey with calcite filled vesicles						Lava flow	
3.2									can be crumbled in hand, low strength.							
3.4									Weathered green olivine crystals visible.							
3.6																
3.8																
4.0									No groundwater encountered							
4.2									EOH 4.0m							
4.4																

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

DCP test 2.0m to 3.5m depth

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 10: Site view of TP4



Plate 11: Excavated materials from TP4



Plate 12: View inside TP4