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GEOTECHNICAL LOG OF EXCAVATION

HOLE NO. : TP19

SHEET : 1 OF 1

JOB NO : C15733

CLIENT : BORDER DISTRICT
 PROJECT : 8 MILE INTERSECTION UPGRADE
 LOCATION :

Co-ords: 4619.883 E
 9017.254 N

RL : 498.558m

EXCAVATION										SUBSTANCE				TESTS		ADDITIONAL OBSERVATIONS
DEPTH	METHOD	SUPPORT	FAST	MEDIUM	SLOW	WATER	LOGRAPHIC	USC	DESCRIPTION Soil Type: grain size, plasticity, colour structure, minor components.	MOIST	CONSIST	SAMPLES	TYPE	RESULT	Structure and Origin	
0.2								CH	<u>SILTY CLAY</u> Black, dry to slightly moist, hard, high plasticity	D	H				Residual topsoil 0.0-0.3m: LL=60.8%, PI=29.4%, LS=18.6%	
0.3																
0.6								XW	<u>BASALT</u> Grey to pink orange, moist, with the properties of a hard high plasticity silty clay Contains white caliche nodules to 5cm. Easily crumbled in hand	M	H				Lava flow 0.3-1.4m: LL=52.0%, PI=25.8%, LS=14.2%	
0.8																
1.0																
1.2																
1.4																
1.6								HW	Brown to grey, fine grained, with occasional vesicles, and weathered olivine crystals. Low strength, can be broken in hand.						Lava flow 1.4-3.0m: LL=54.0%, PI=22.2%, LS=14.0%	
1.8																
2.0																
2.2																
2.4																
2.6									At the bottom of the hole becomes coarser grained, possibly a basaltic agglomerate.							
2.7																
3.0																
3.1									No groundwater encountered							
3.4									EOH 3.1m							
3.6																
3.8																
4.0																

BASALT Dark coloured, fine grained, basic volcanic rock

DCP from natural surface to 2.0m

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 33: Site view of TP19



Plate 34: Excavated material from TP19



Plate 35: View inside TP19