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GEOTECHNICAL LOG OF EXCAVATION

HOLE NO. : TP16

SHEET : 1 OF 1

JOB NO : C15733

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

Co-ords: 4624.673 E
 9344.842 N

RL : 488.236m

EXCAVATION								SUBSTANCE				TESTS		ADDITIONAL OBSERVATIONS	
DEPTH	METHOD	SUPPORT	FAST	MEDIUM	SLOW	WATER	LOGOGRAPHIC	USC	DESCRIPTION Soil Type: grain size, plasticity, colour structure, minor components.	MOIST	COHESIVITY	SAMPLES	TYPE	RESULT	Structure and Origin
0.1								CL	<u>CLAY</u> Black, almost dry, hard, high plasticity. Excavates in rectangular blocks.	D	H				Residual soil
0.2															
0.3															0.0-0.3m: LL=68.0%, PI=39.4%, LS=19.8%
0.4															
0.5															
0.6															
0.7								XW	<u>BASALT</u> Yellow brown, slightly moist, fine grained, with the properties of a hard slightly sandy clay	M	H				Lava flow
0.85															0.6-1.2m: LL=56.6%, PI=27.4%, LS=16.0%
0.9								HW	Grey, fine grained, iron stained on fractures, low strength						
1.0															
1.1															
1.2															
1.3								MW	Grey, fine grained, some iron filled vesicles, weathered olivine patches, medium to high strength						Lava flow
1.4															
1.5									No groundwater encountered						
1.6									EOH 1.5m (near refusal)						
1.7															
1.8															
1.9															
2.0															

BASALT Dark coloured fine grained, basic volcanic rock.

DCP test 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 27: Site view of TP16



Plate 28: Excavated material from TP16



Plate 29: View inside TP16