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# GEOTECHNICAL LOG OF EXCAVATION

HOLE NO. : TP5

SHEET : 1 OF 1

JOB NO : C15733

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

Co-ords: 4642.881 E  
 9141.741 N

RL : 495.358m

EXCAVATION										SUBSTANCE			TESTS		ADDITIONAL OBSERVATIONS
DEPTH	METHOD	SUPPORT	FAST	MEDIUM	SLOW	WATER	GRAPE	USC	DESCRIPTION Soil Type: grain size, plasticity, colour structure, minor components.	MOIST	COEN	SAMP	TYPE	RESULT	Structure and Origin
0.2								CL	<u>SLIGHTLY SANDY SILTY CLAY</u>	M	VSt				Residual topsoil
0.4									Black, slightly moist, very stiff, high plasticity containing roots and organic matter						
0.6															
0.8															
1.0								XW	<u>BASALT</u>	M	H				Lava flow  2.0-2.5m: LL=67.6%, PI=39.0%, LS=17.8%  2.5m: LL=54.6%, PI=26.4%, LS=14.8%  2.5-3.0m: LL=51.4% PI=23.2%, LS=12.6%
1.2									Grey to pale orange, with the properties of a hard, medium to high plasticity sandy clay.						
1.4									When excavated becomes a sand with small cobble sized fragments/core stones of high						
1.6									strength MW basalt.						
1.8															
2.0															
2.2															
2.4															
2.6															
2.7															
3.0															
3.2								HW	Pale orange to grey, fine grained, low strength, vesicular						Lava flow
3.4															
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 2.0 to 3.5m depth

Contractor : Gary	Commenced : 24/8/2000	Logged by : J Kleindienst
Rig : Komatsu PC220 (22 tonnes)	Weather : Fine, cold	Checked by :

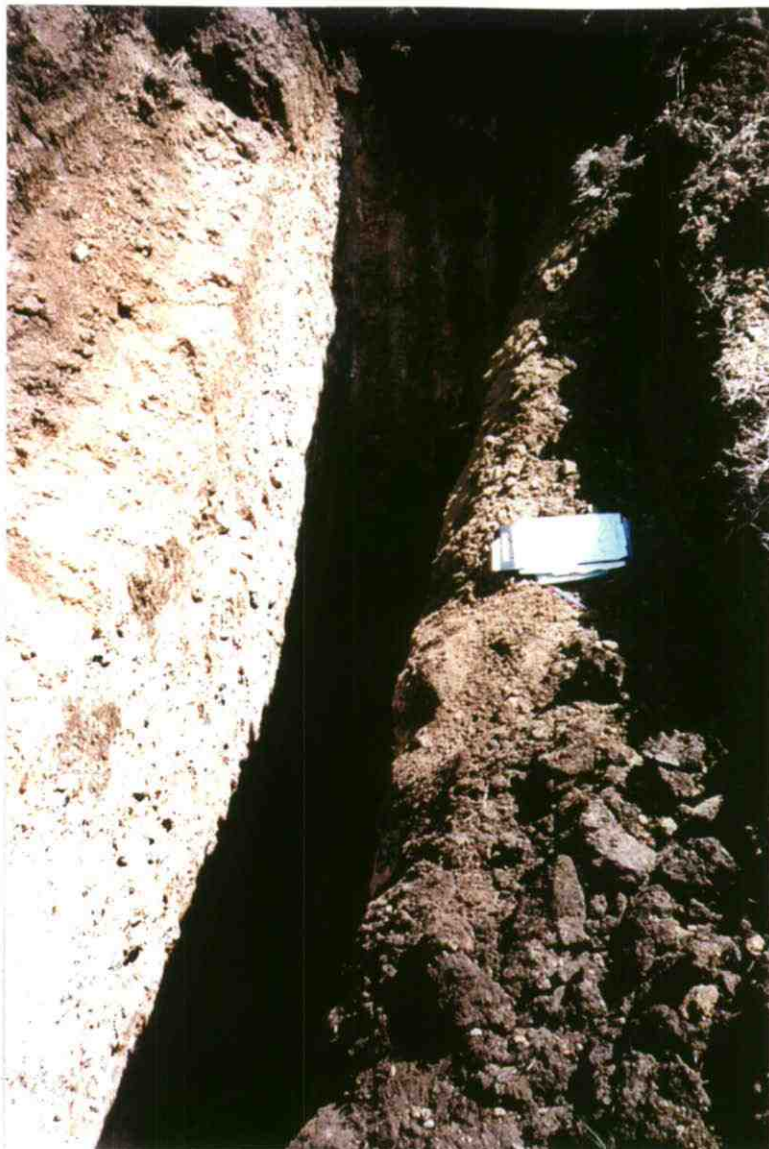
Details of abbreviations and basis of description are given in Explanatory Notes.



**Plate 13:** Site view of TP5



**Plate 14:** Excavated material from TP5



**Plate 15:** View inside TP5