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GEOTECHNICAL LOG OF EXCAVATION

HOLE NO.: TP3

SHEET : 1 OF 1

JOB NO : C15733

CLIENT : BORDER DISTRICT
 PROJECT : 8 MILE INTERSECTION UPGRADE
 LOCATION : Ch 630 (approx) on control line M111

Co-ords: 4527.054 E
 9090.540 N

RL : 495.113m

EXCAVATION										SUBSTANCE				TESTS		ADDITIONAL OBSERVATIONS
DEPTH	METHOD	SUPPORT	FAST	MEDIUM	SLOW	WATER	GRAPHIC	USC	DESCRIPTION	MOIST	CONSIST	SAMPLES	TYPE	RESULT	Structure and Origin	
0.2								CH	CLAY: Black, slightly moist, very stiff, high plasticity, excavates in rectangular blocks	M	VSt				Residual topsoil LL=62.47%, PI=28.4% LS=19.0%	
0.4																
0.6								XW	SANDSTONE: Yellow brown, slightly moist, has the properties of a hard, medium plasticity gravelly clay. Very coarse grainsize to 6-7mm, with MW/SW basalt fragments.	M	H				Fluvial deposition LL=68.0%, PI=34.2% LS=19.2%	
0.8																
1.0																
1.2								XW	BASALT: Yellow orange, fine grained, vesicular, containing grey fine grained MW/SW basalt cobbles. Also contains white caliche nodules to 6cm. No groundwater encountered						Lava flow LL=54.2%, PI=25.0%, LS=14.4%	
1.4																
1.6																
1.8																
2.0																
2.2																
2.4																
2.6																
2.8																
3.0																
3.2																
3.4																
3.6																
3.8																
4.0																

SANDSTONE: Sedimentary rock composed of sand sized particles
BASALT Dark coloured, fine grained basic extrusive volcanic rock
CALICHE Calcium carbonate nodules precipitated from groundwater.

DCP test natural surface to 2m

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 7: Site view of TP3



Plate 8: Excavated material from TP3



Plate 9: View inside TP3