GEOTECHNICAL LOG OF EXCAVATION

Main Roads

HOLE NO. : TP2

SHEET : 1 OF 1

JOB NO : CI5733

CLIENT : BORDER DISTRICT

PROJECT : 8 MILE INTERSECTION UPGRADE

LOCATION : Ch 440 (approx) on control line M209

Co-ords: 4637.633 E
8951.292 N

RL : 500.227m

EXCAVATION									SUBSTANCE				TESTS		ADDITIONAL OBSERVATIONS
DEPTH	METHOD	SUPPORT	FAST	MEDIUM	SLOW	WATER	LOG GRAPHIC	USC	DESCRIPTION Soil Type: grain size, plasticity, colour structure, minor components.	MOIST	CONSIST DENSITY	SAMPLES	TYPE	RESULT	Structure and Origin
0.2 0.35								CH	SLIGHTLY SILTY CLAY: Black, dry to moist, very stiff, high plasticity, blocky when excavated.						Residual LL=66.8%, PI=35.6% LS=20.0%
0.6 0.8								XW	BASALT: Brown to pale orange, slightly moist, vesicular, easily crumbled in fingers						Lava flow LL=58.0%, PI=33.0%
1.0 1.2 1.4								HW	Grey to red brown, containing small MW corestones to cobble size, low to medium strength, MW corestones high strength						LS=16.6%
1.6 1.8 2.0 2.2 2.4 2.6 2.7 3.0								MW	Grey, fine grained, containing green weathered olivine crystals, onion skin weathering of high strength SW corestones. MW basalt is high strength Excavation possible due to corestones. No groundwater encountered						Lava flow
3.2 3.4 3.6 3.8 4.0									**EOH 3.0m**						

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

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 4: Site view of TP2

Plate 5: Excavated materials from TP2

Plate 6: View inside TP2