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SOIL LOG

HOLE NO: **AHBV 10**

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 1
POSITION : E: 471573, N: 6949485 (56 MGA94)	SURFACE ELEVATION : 42.4 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 28/4/11 to 28/4/11	LOGGED BY : LN CHECKED BY : VP	STANDARD : AS1736

DRILLING & WATER DETAIL	LAB DATA: Moisture Content	Dry Density	% Fines	Atterberg Limits	SAMPLES & FIELD DATA	RL (m)	DEPTH (m)	GRAPHIC LOG	U.S.C.	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE	CONSISTENCY/DENSITY	DCP (blows/100mm)	COMMENTS Field Test Data & Other Observations
										ASPHALTIC CONCRETE ASPHALT - spray seal, with geofabric layer beneath. 0.06m	D	VD		0.00: ASPHALT - spray seal 0 to 0.06m, geofabric underneath. 0.06: ASPHALT - (CTP)
										ASPHALTIC CONCRETE ASPHALT 0.19m	D	VD		0.19: ROADBASE
									GM	GRAVEL - silty GRAVEL, fine to coarse sand and gravel, light yellow orange, moist , very dense.	M	VD		
						41.9	0.5			0.55m				0.55: FILL
					0.60m B-DS 1				CH	CLAY - gravelly sandy CLAY, high plasticity, grey mottled orange, fine to medium sand, fine gravel, moist, very stiff.	M	VSt		
						41.4	1.0			1.10m				1.10: NATURAL
					1.10m				CH	CLAY - silty CLAY, high plasticity, black, moist, very stiff. 1.35m	M	VSt		
									SM	SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange grey/brown, moist, loose to medium dense. 1.50m	M	L - MD		
						40.9	1.5			SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange grey/brown, moist, loose to medium dense.	M	L - MD		
						40.4	2.0		SM	2.10m				
									SM	SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange grey/brown, moist, loose to medium dense. 2.30m	M	L - MD		
									SM	SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange grey/brown, moist, loose to medium dense. 2.50m	M	H - MD		
						39.9	2.5			Terminated @ 2.5m. No water encountered.				
						39.4	3.0							

DRILLING

HA	Hand Auger	HQ	HQ Coring
AS	Auger	NQ	NQ Coring
WB	Washbore	PQ	PQ Coring
RR	Rock Rolling		NMLC NMLC Coring

GROUNDWATER SYMBOLS

▼ = Water level (static)
▽ = Water level (during drilling)
▶ = Water Inflow (during drilling)

SAMPLES & FIELD TESTS

D	Small Disturbed Sample	SPT	SPT Sample
ES	Env Soil Sample	U	Undisturbed Tube Sample
EW	Env Water Sample	W	Water Sample
B	Bulk Disturbed Sample		

MOISTURE CONDITION
D = Dry M = Moist W = Wet

DCP- N (Blows/100mm)

VS	Very Soft	0 - 1
S	Soft	1 - 2
F	Firm	2 - 3
St	Stiff	3 - 7
VSt	Very Stiff	7 - 12
H	Hard	>12/100mm

CONSISTENCY (Su) {N-value}

VS	Very Soft	< 12 kPa {0-2}
S	Soft	12 - 25 {2-4}
F	Firm	25 - 50 {4-8}
St	Stiff	50 - 100 {8-15}
VSt	Very Stiff	100 - 200 {15-30}
H	Hard	> 200 kPa {>30}

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