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SOIL LOG

HOLE NO: **AHBV 9**

PROJECT : Brisbane Valley Grade Separation JOB NO : QB10200.4 PAGE : 1 OF 1
 POSITION : E: 471232, N: 6949593 (56 MGA94) SURFACE ELEVATION : 50.3 (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				SAMPLES & FIELD DATA	RL (m)	DEPTH (m)	GRAPHIC LOG	C. / O. 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
	Moisture Content	Dry Density	% Fines	Atterberg Limits										
									ASPHALT				0.00: ASPHALT -(spray seal at 30mm to 40 mm)	
					0.37m				PHALIC CONCRETE	D	VD			
				B-DS 1	0.37m			GM	GRAVEL - sandy silty GRAVEL, fine to coarse sand and gravel, grey brown, moist, very dense.	M	VD		0.37: ROADBASE	
					0.50m	49.8	0.5	GM	GRAVEL - sandy silty GRAVEL, fine to coarse sand and gravel, brown, moist, dense.	M	VD		0.50: SUB BASE - FILL	
								CH	CLAY - silty CLAY, high plasticity, grey streaked orange brown, trace of fine sand, fine to medium very low strength gravel, moist, stiff.	M	St		0.65: NATURAL	
						49.3	1.0	CH	CLAY - silty CLAY, high plasticity, dark grey to black, moist, stiff.	M	St			
								CH	CLAY - silty CLAY, high plasticity, dark grey, trace of fine gravel, moist, stiff.	M	St			
						48.8	1.5	CH		M	St			
								SM	SAND - silty SAND, fine, trace to minor fine gravel, orange brown, moist, very dense.	M	VD			
						48.3	2.0	SM	SAND - silty SAND, fine, trace to minor fine gravel, orange brown, moist, very dense.	M	VD			
						47.8	2.5	SM		M	VD			
						47.3	3.0		Terminated @3.0m. No water encountered.					

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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