SOIL LOG

HOLE NO: **AHBV 20**

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 1
POSITION : E: 471248, N: 6949561 (56 MGA94)	SURFACE ELEVATION : 50.4 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 1/6/11 to 1/6/11	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
										ASPHALT - sprayed layer at 0.04 (approximate thickness 10mm)	M			0.00: ASPAHLT - spray seal
										ASPHALT	M			0.05: ASPHALT
										0.23m				
									GM	GRAVEL - silty, sandy GRAVEL, fine to coarse sand, grey to brown, moist, very dense	M	VD		0.23: BASECOARSE
					0.50m D	49.9	0.5		GM	0.50m GRAVEL - silty, sandy GRAVEL, fine to coarse sand, some rounded gravel (up to 50mm), low plasticity fines, orangey brown, moist, very dense	M	VD		0.50: SUB-BASE
					0.90m					0.90m				
						49.4	1.0		SM	SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange brown, moist, very dense.	M	VD		0.90: NATURAL
						48.9	1.5							
									SM	1.85m SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange brown, moist, very dense.	M	VD		
						48.4	2.0			2.00m Terminated @ 2.0m. No water encountered.				
						47.9	2.5							
						47.4	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}