SOIL LOG

HOLE NO: **AHBV 26**

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 2
POSITION : E: 470393, N: 6949827 (56 MGA94)	SURFACE ELEVATION : 57.6 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 6/5/11 to 6/5/11	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
									SM	SAND - silty gravelly SAND, fine to medium sand and gravel, red brown, moist, very dense.	M	VD		0.00: FILL
										0.35m				
									SM	SAND - silty gravelly SAND, fine to medium sand and gravel, red brown, some high plasticity clay fines, moist, medium dense.	M	MD		0.35: FILL
										0.50m				
						57.1	0.5		SC	SAND - clayey SAND, fine to medium sand, dark brown streaked grey, low plasticity clay fines, some fine gravel, moist, medium dense.	M	MD		0.50: NATURAL
										0.65m				
					0.80m B-DS 1					CLAY - sandy silty CLAY, high plasticity, grey streaked orange brown, fine to coarse sand, moist, stiff to very stiff.				
					1.00m U-4	56.6	1.0				M	St / VSt		1.00: U50 Pp = 160 kPa @ 1 m
					1.19m 1.20m									
									CH					
										1.40m				
										CLAY - silty CLAY, high plasticity, grey streaked red brown, some fine sand, moist, stiff.				1.40: PP = 140 kPa @ 1.4 m
						56.1	1.5		CH		M	St		
										1.70m				
										CLAY - silty CLAY, high plasticity, grey streaked red brown, some fine sand, moist, very stiff.				1.70: PP =190 kPa @ 1.7 m PP = 240 kPa @ 2.1 m
						55.6	2.0							
						55.1	2.5				M	St		
						54.6	3.0							
									CH					
										3.30m				
										CLAY - sandy CLAY, high plasticity, brown mottled grey, fine sand, moist, stiff.	M	St		

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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									CH	CLAY - sandy CLAY, high plasticity, brown mottled grey, fine sand, moist, stiff. *(continued)*	M	St		
					3.70m D-DS 2 3.80m					3.70m CLAY - sandy CLAY, high plasticity, brown mottled grey, fine sand, some extremely weathered and extremely low strength ironstone layering, moist, stiff.				
						53.6	4.0							
						53.1	4.5				M	St		
									CH					
						52.6	5.0			5.00m CLAY - sandy CLAY, high plasticity, light orange grey-brown, fine sand, some extremely weathered and extremely low strength ironstone layering, moist, stiff.				
											M	St		
						52.1	5.5		CH					
					5.60m D-DS 3					5.60m SANDSTONE - extremely weathered, extremely low strength, light yellow grey, moist. (Recovered as a silty sand, fine to medium sand, dense to very dense).	M	D / VD		
									SANDSTONE					
						51.6	6.0			6.00m Terminated @ 6.0m. No water encountered.				
						51.1	6.5							

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