SOIL LOG

HOLE NO: **AHBV 41**

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 2
POSITION : E: 470079, N: 6949722 (56 MGA94)	SURFACE ELEVATION : 68.6 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 9/5/11 to 9/5/11	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
									SC	SAND - clayey SAND, dark brown, fine to medium sand, medium plasticity clay fines, moist, loose.	M	L		0.00: Natural
										0.40m CLAY - sandy silty CLAY, high plasticity, light brown, fine to coarse sand, moist, stiff.				
						68.1	0.5							
					0.60m U-5 B-DS 4									
					0.80m						M	St		
					1.00m	67.6	1.0							
									CH					
										1.40m CLAY - sandy silty CLAY, high plasticity, light brown, fine to coarse sand, moist, very stiff.				1.40: PP @ 1.4 = 220
						67.1	1.5		CH		M	VSt		
					1.60m D-DS 1					1.60m CLAY - sandy CLAY, high plasticity, orange brown mottled grey, fine to coarse sand, moist, very stiff.				1.60: PP @ 1.8 = 290
											M	VSt		
					2.00m	66.6	2.0							
									CH					
										2.20m SANDSTONE - extremely low strength and extremely weathered, yellow grey, moist. (Recovered as a silty sand, fine to coarse sand, some low plasticity fines, dense).				
					2.30m 2.30m D-DS 2									
						66.1	2.5				M	D		
									SANDSTONE					
						65.6	3.0			3.00m SANDSTONE - very low strength and extremely weathered, orange brown grey, moist. (Recovered as a silty sand, fine to coarse sand, some low plasticity fines, dense).	M	D		
									SANDSTONE	3.20m SANDSTONE -very low strength and extremely weathered, orange brown grey, moist. (Recovered as a silty sand, fine to coarse sand, some low plasticity fines, dense).	M	D		

DCP (blows/100mm) scale: 5, 10, 15, 20

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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										SANDSTONE -very low strength and extremely weathered, orange brown grey, moist. (Recovered as a silty sand, fine to coarse sand, some low plasticity fines, dense). *(continued)*	M	D		
						64.6	4.0			**SANDSTONE**				
										4.10m				
					4.20m 4.20m D-DS 3					CLAY - sandy CLAY, medium plasticity, brown grey, fine to coarse sand, moist, hard.	M	H		
						64.1	4.5							
						63.6	5.0							
						63.1	5.5		CI					
										5.70m				
										SANDSTONE - extremely low strength and extremely weathered, grey, moist. (Recovered as a silty sand, fine to coarse sand, some low plasticity fines, dense).	M	D		
						62.6	6.0							
						62.1	6.5			**SANDSTONE**				
										6.60m				
										Terminated @ 6.6 m. No water encountered.				

DRILLING

HA	Hand Auger	HQ	HQ Coring
AS	Auger	NQ	NQ Coring
WB	Washbore	PQ	PQ Coring
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