SOIL LOG

HOLE NO: **AHBV 36**

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 2
POSITION : E: 469699, N: 6949589 (56 MGA94)	SURFACE ELEVATION : 59.5 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 5/5/11 to 5/5/11	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	0.05m SAND - silty SAND, fine to medium sand, dark brown, low plasticity silt fines, moist, loose.	M	L		0.00: FILL 0.05: NATURAL U50 @0.3m PP = 380 kPa
									CH	CLAY - sandy CLAY, high plasticity, grey mottled orange brown, fine to coarse sand, moist, stiff.	M	St		
					0.30m U-3 B-DS 2					0.40m				
					0.47m	59.0	0.5		CH	CLAY - sandy CLAY, high plasticity, grey mottled orange brown, fine to coarse sand, moist, very stiff.	M	VSt		
					0.80m					0.80m				
						58.5	1.0		CH	CLAY - sandy CLAY, high plasticity, grey mottled orange brown, fine sand, moist, very stiff.	M	VSt		
										1.30m				
						58.0	1.5		SM	SAND - silty SAND, fine to medium sand, orange brown, moist, very dense.	M	VD		
										1.70m				
						57.5	2.0		CH	CLAY - sandy CLAY, high plasticity, orange mottled grey, fine to coarse sand, moist, hard.	M	H		
										2.10m				
					2.50m D-DS 1	57.0	2.5			CLAY - sandy CLAY, high plasticity, orange mottled grey, fine to coarse sand, moist, hard.	M	H		
					3.00m	56.5	3.0		CH					
										3.10m				
										CLAY - sandy CLAY, high plasticity, grey streaked orange brown, fine sand, moist, hard.	M	H		

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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						55.5	4.0		CH	CLAY - sandy CLAY, high plasticity, grey streaked orange brown, fine sand, moist, hard. *(continued)*	M	H		
						55.0	4.5			4.50m				
									CH	CLAY - sandy CLAY, high plasticity, light grey orange, fine sand, moist, hard.	M	H		
						54.5	5.0							
						54.0	5.5		CH	5.50m CLAY - sandy CLAY, high plasticity, grey mottled red brown, fine sand, moist, hard.	M	H		
						53.5	6.0			6.00m Terminated @ 3.0m. No water encountered.				
						53.0	6.5							

DRILLING

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AS	Auger	NQ	NQ Coring
WB	Washbore	PQ	PQ Coring
RR	Rock Rolling		NMLC NMLC Coring

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