SOIL LOG

HOLE NO: **AHBV 24**

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 1
POSITION : E: 470452, N: 6949724 (56 MGA94)	SURFACE ELEVATION : 56.6 (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
									CH	CLAY - silty CLAY, high plasticity, orange- brown grey, moist, stiff.	M	St		
										0.10m CLAY - silty CLAY, medium plasticity, orange brown, trace fine gravel, moist, stiff to very stiff.	M	VSt		
									CI					
					0.50m D-DS1	56.1	0.5			0.50m CLAY - gravelly sandy silty CLAY, medium plasticity, orange brown, fine to coarse sand, fine gravel, moist, stiff.	M	VSt		
					1.00m	55.6	1.0		CI					
										1.10m SAND - silty SAND, fine to medium sand, trace fine gravel, light orange brown, moist, dense.	M	D		
									SM	1.35m				
						55.1	1.5		CH	CLAY - gravelly, sandy CLAY, medium to high plasticity, red to brown, fine to medium sand, fine to medium gravel, moist, very stiff to hard.	M	H		
					1.60m D-DS2					1.60m CLAY - sandy CLAY, high plasticity, red brown mottled grey, fine to medium sand, moist, hard.	M	H		
						54.6	2.0							
					2.20m									
						54.1	2.5							
									CH	3.00m				
						53.6	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}