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## SOIL LOG

HOLE NO: AHBV 40

PROJECT : Brisbane Valley Grade Separation

JOB NO : QB10200.4

PAGE : 1 OF 2

POSITION : E: 470256, N: 6949818 (56 MGA94)

SURFACE ELEVATION : 68.2 (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				SAMPLES & FIELD DATA	RL (m)	DEPTH (m)	GRAPHIC LOG	C.O.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
	Moisture Content	Dry Density	% Fines	Aterberg Limits										
						67.7	0.5	CH		CLAY - sandy CLAY, of high plasticity, brown mottled grey, fine to medium sand, moist, hard.	M	H		0.00: Natural
						67.2	1.0	CI		CLAY - sandy CLAY, of medium plasticity, yellow orange mottled grey, fine to medium sand, moist, hard.	M	H		
					1.10m D-DS 1					SANDSTONE - extremely low strength and extremely weathered, orange grey, moist. (Recovered as a silty sand, fine to coarse sand, dense).	M	D		
					1.40m			SANDSTONE		SANDSTONE - very low strength and extremely weathered, light yellow grey, moist. (Recovered as a silty sand, fine to coarse sand, dense).				
						66.2	2.0				M	D		
						65.7	2.5	SANDSTONE						
										SANDSTONE - extremely low strength and extremely weathered, light yellow grey, moist. (Recovered as a silty sand, fine to coarse sand, dense).				
					3.00m D-DS 2						M	D		
					3.50m			SANDSTONE						

DRILLING				SAMPLES & FIELD TESTS				DCP- N (Blows/100mm)		CONSISTENCY (Su) {N-value}			
HA	Hand Auger	HQ	HQ Coring	D	Small Disturbed Sample	SPT	SPT Sample	VS	Very Soft	0 - 1	VS	Very Soft	< 12 kPa {0-2}
AS	Auger	NQ	NQ Coring	ES	Env Soil Sample	U	Undisturbed Tube Sample	S	Soft	1 - 2	S	Soft	12 - 25 {2-4}
WB	Washbore	PQ	PQ Coring	EW	Env Water Sample	W	Water Sample	F	Firm	2 - 3	F	Firm	25 - 50 {4-8}
RR	Rock Rolling	NMLC	NMLC Coring	B	Bulk Disturbed Sample			St	Stiff	3 - 7	St	Stiff	50 - 100 {8-15}
<div>GROUNDWATER SYMBOLS</div> <div>▼ = Water level (static)</div> <div>▽ = Water level (during drilling)</div> <div>► = Water Inflow (during drilling)</div>				<div>MOISTURE CONDITION</div> <div>D = Dry M = Moist W = Wet</div>				VSt	Very Stiff	7 - 12	VSt	Very Stiff	100 - 200 {15-30}
								H	Hard	>12/100mm	H	Hard	> 200 kPa {>30}

