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## SOIL LOG

HOLE NO: AHBV 21

PROJECT : Brisbane Valley Grade Separation

JOB NO : QB10200.4

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POSITION : E: 471128, N: 6949605 (56 MGA94)

SURFACE ELEVATION : 51.5 (AHD)

LOCATION : Brisbane Valley Hwy

RIG TYPE : Nissan Rig

CONTRACTOR : R. Battison

BUCKET WIDTH : 0.1m

DATE DRILLED : 28/4/11 to 28/4/11

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	Atterberg Limits										
						0.13m				PHALIC ASPHALT - very dense.	D	VD		0.00: ASPHALT
										CONCRETE ASPHALT - spray seal, 10 mm thick, dense.	D	VD		0.05: ASPHALT - spray seal
						B-DS 1				PHALIC ASPHALT - very dense.	D	VD		0.06: ASPHALT
										CONCRETE GM GRAVEL - silty sandy GRAVEL, fine to coarse sand and gravel, dark grey, moist, very dense.	M	VD		0.13: ROADBASE
										GRAVEL - silty sandy GRAVEL, fine to coarse sand and gravel, orange brown, moist, very dense.				
						0.48m								0.30: SUB BASE
							51.0-0.5		GM					
										CLAY - sandy CLAY, high plasticity, grey mottled orange, fine to coarse sand, some fine gravel, moist, very stiff.				0.65: FILL
											M	VSt		
						1.10m			CH					1.10: FILL
						B-DS 2				CLAY - sandy gravelly silty CLAY, high plasticity, grey red-brown, fine to coarse sand, fine gravel, trace of extremely weathered and extremely low strength ironstone, moist, very stiff.				
						1.40m								
							50.0-1.5				M	VSt		
							49.5-2.0		CH					
										CLAY - silty CLAY, high plasticity, dark grey to black, trace of fine quartz gravel, moist, very stiff.				
							49.0-2.5				M	VSt		
							48.5-3.0		CH					
										CLAY - silty CLAY, high plasticity, dark grey to black, trace of fine basalt gravel, moist, very stiff.				
											M	VSt		

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>				MOISTURE CONDITION				VSt	Very Stiff	7 - 12	VSt	Very Stiff	100 - 200 {15-30}
				D = Dry M = Moist W = Wet				H	Hard	>12/100mm	H	Hard	> 200 kPa {>30}

