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SOIL LOG

HOLE NO: **AHBV 16**

PROJECT : Brisbane Valley Grade Separation JOB NO : QB10200.4 PAGE : 1 OF 2
 POSITION : E: 469963, N: 6949651 (56 MGA94) SURFACE ELEVATION : 61.8 (AHD) LOCATION : Brisbane Valley Hwy
 RIG TYPE : Nissan Rig CONTRACTOR : R. Battison BUCKET WIDTH : 0.1m
 DATE DRILLED : 4/5/11 to 4/5/11 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	Atterberg Limits										
									PHALIC ASPHALT - spray seal, 0.04m thick, very dense	D	VD		0.00: ASPHALT - spray seal	
									CONCRETE ASPHALT - very dense.	D	VD		0.04: ASPHALT	
				B-DS 1	0.20m				GRAVEL - sandy silty GRAVEL, fine to coarse sand and gravel, grey, low plasticity silts, moist, very dense.	M	VD		0.20: ROADBASE	
					0.44m				GRAVEL - sandy silty GRAVEL, fine to coarse sand and gravel, orange brown, low plasticity silts, moist, very dense.	M	VD		0.44: SUB BASE	
				D-DS 2	0.80m				CLAY - sandy CLAY, high plasticity, grey mottled orange, fine to medium sand, moist, stiff to very stiff.	M	St/VSt		0.50: FILL	
				B-DS 5	1.10m				CLAY - sandy silty CLAY, high plasticity, dark red brown mottled grey, fine to coarse sand, moist, hard.				1.10: NATURAL	
					1.50m									
					59.8	2.0								
					59.3	2.5								
					58.8	3.0								

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}		
GROUNDWATER SYMBOLS				MOISTURE CONDITION				VS	Very Stiff	7 - 12	VSt	Very Stiff	100 - 200 {15-30}		
▼ = Water level (static)				D = Dry M = Moist W = Wet				H	Hard	>12/100mm	H	Hard	> 200 kPa {>30}		
▽ = Water level (during drilling)															
▶ = Water Inflow (during drilling)															

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 2 OF 2
POSITION : E: 469963, N: 6949651 (56 MGA94)	SURFACE ELEVATION : 61.8 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 4/5/11 to 4/5/11	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	Atterberg Limits										
					3.60m D-DS 3					CLAY - sandy silty CLAY, high plasticity, dark red brown mottled grey, fine to coarse sand, moist, hard. <i>(continued)</i>	M	H	5 10 15 20	
						4.00m 57.8-4.0		CH		CLAY - gravelly sandy CLAY, high plasticity, orange brown, fine to medium sand, fine gravel, moist, hard.	M	H		
					4.20m D-DS 4					CLAY - sandy silty CLAY, high plasticity, orange mottled grey, some fine sand, trace of fine gravel, moist, hard.				
					4.50m 57.3-4.5									
						56.8-5.0								
						56.3-5.5		CH						
						5.20m 5.8m		IRONSTONE		IRONSTONE - extremely weathered, extremely low strength, dark red brown, moist, dense.	M	D		
						55.8-6.0				Terminated @ 5.8m. No water encountered.				
						55.3-6.5								

<p style="text-align: center;">DRILLING</p> <p>HA Hand Auger HQ HQ Coring AS Auger NQ NQ Coring WB Washbore PQ PQ Coring RR Rock Rolling NMLC NMLC Coring</p> <p style="text-align: center;">GROUNDWATER SYMBOLS</p> <p>▼ = Water level (static) ▽ = Water level (during drilling) ▶ = Water Inflow (during drilling)</p>	<p style="text-align: center;">SAMPLES & FIELD TESTS</p> <p>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</p> <p style="text-align: center;">MOISTURE CONDITION D = Dry M = Moist W = Wet</p>	<p style="text-align: center;">DCP- N (Blows/100mm)</p> <p>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</p>	<p style="text-align: center;">CONSISTENCY (Su) (N-value)</p> <p>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}</p>
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