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SOIL LOG

HOLE NO: **AHBV 14**

PROJECT : Brisbane Valley Grade Separation JOB NO : QB10200.4 PAGE : 1 OF 2
 POSITION : E: 469565, N: 6949533 (56 MGA94) SURFACE ELEVATION : 61.2 (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	DEPTH (m)	GRAPHIC LOG	C.O.U.	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									
					0.25m			PHALIC ASPHALT - spray seal 0.03m thick, very dense.	D	VD		0.00: ASPHALT - spray seal	
					B-DS 1			CONCRETE ASPHALT - very dense.	D	VD		0.03: ASPHALT	
					0.50m			GRAVEL - sandy silty GRAVEL, fine to coarse sand and gravel, dark grey, moist, very dense.	M	VD		0.24: ROADBASE	
					60.7-0.5			GRAVEL - sandy silty GRAVEL, fine to coarse sand and gravel, yellow brown, moist, very dense.	M	VD		0.51: SUB BASE	
					60.2-1.0			CLAY - sandy CLAY, medium plasticity, yellow orange mottled grey, fine to medium sand, trace of fine gravel, moist, stiff to very stiff.	M	St / VSt		0.71: FILL	
					1.50m			CLAY - gravelly sandy silty CLAY, high plasticity, yellow orange mottled grey, fine to coarse, fine gravel, moist, very stiff.	M	VSt		1.50: FILL	
					2.00m			CLAY - gravelly sandy CLAY, high plasticity, brown, fine to medium sand, fine gravel, moist, hard.	M	H		2.40: FILL	
					58.7-2.5			SAND - silty SAND, fine to medium sand, dark brown, moist, dense.	M	D		2.70: TOPSOIL	
					58.2-3.0			CLAY - sandy CLAY, high plasticity, orange brown, fine sand, moist, very stiff.	M	VSt			

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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SOIL LOG

HOLE NO: **AHBV 14**

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 2 OF 2
POSITION : E: 469565, N: 6949533 (56 MGA94)	SURFACE ELEVATION : 61.2 (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					CLAY - sandy CLAY, high plasticity, orange brown, fine sand, moist, very stiff. (continued)	M	VSt	5 10 15 20	
				D-DS 3	3.60m					CLAY - silty CLAY, high plasticity, red brown, trace of fine sand, moist, very stiff.				
					3.70m									
						57.2	4.0							
											M	VSt		
						56.7	4.5		CH					
										CLAY - sandy CLAY, high plasticity, grey mottled brown, fine to medium sand, moist, hard.				
						56.2	5.0					M	H	
						55.7	5.5		CH					
						5.70m				SANDSTONE - extremely weathered, extremely low strength, orange brown, moist. (Recovered as a silty sand, fine to medium sand, moist, dense).				
				D-DS 4	5.70m									
					5.80m				SANDSTONE		M	D		
						55.2	6.0			Terminated @ 6.0m. No water encountered.				
						54.7	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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