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PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 2
POSITION : E: 470237, N: 6949701 (56 MGA94)	SURFACE ELEVATION : 63.5 (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.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										
					0.19m B-DS 1					PHALIC ASPHALT - spray seal, 0.03m thick, very dense. CONCRETE PHALIC ASPHALT - very dense. CONCRETE	VD			0.00: ASPHALT - spray seal 0.03: ASPHALT
									GM	GRAVEL - silty sandy GRAVEL, fine to coarse sand and gravel, orange grey brown, low plasticity silt fines, moist, very dense.	VD			0.19: ROADBASE
					0.50m	63.0-0.5			SC	SAND - clayey SAND, fine to medium sand, dark brown, low plasticity clay fines, some rounded gravel and cobbles, moist, medium dense.	MD			0.45: FILL
									CI	CLAY - gravelly sandy CLAY, medium plasticity, dark brown, fine to medium sand and gravel, moist, very stiff to hard.	VSt / H			0.60: FILL
					1.10m B-DS 5				CI	CLAY - sandy CLAY, medium plasticity, orange brown mottled grey, fine to medium sand, moist, hard.	H			0.80: NATURAL
					1.50m D-DS 3	62.0-1.5			CH	CLAY - sandy silty CLAY, high plasticity, light grey streaked orange brown, fine to coarse sand, moist, hard.	H			
					1.60m									
									CH	CLAY - sandy CLAY, high plasticity, light grey, fine sand to medium sand, moist, hard.	H			
					2.70m D-DS 2	61.5-2.0			CH	CLAY - sandy CLAY, high plasticity, light grey streaked orange, fine sand, moist, hard.	H			
					2.90m	61.0-2.5			CH	CLAY - sandy CLAY, high plasticity, light grey streaked orange, fine sand, moist, hard.	H			
									CH	CLAY - sandy CLAY, high plasticity, light grey streaked orange, fine sand, moist, hard.	H			
									CH	CLAY - sandy CLAY, high plasticity, light grey streaked orange, fine sand, moist, hard.	H			

<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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SOIL LOG

HOLE NO: **AHBV 17**

PROJECT : Brisbane Valley Grade Separation JOB NO : QB10200.4 PAGE : 2 OF 2
 POSITION : E: 470237, N: 6949701 (56 MGA94) SURFACE ELEVATION : 63.5 (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	Aterberg Limits										
					3.60m D-DS 4				3.55m	SANDSTONE - extremely weathered, very low strength with some extremely low strength layering, light orange brown, moist. (Recovered as a silty sand, fine to medium sand, dense).		H	5 10 15 20	
					4.00m	59.5	4.0					D		
						59.0	4.5					D		
						58.5	5.0					D		
						58.0	5.5		5.50m	SANDSTONE - extremely weathered, very low strength with some extremely low strength layering, light grey brown, moist. (Recovered as a silty sand, fine to medium sand, dense).		D		
						57.5	6.0		6.00m	Terminated @ 6.0m. No water encountered.				
						57.0	6.5							

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