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PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 2
POSITION : E: 469566, N: 6949548 (56 MGA94)	SURFACE ELEVATION : 60.4 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 5/5/11 to 5/5/11	LOGGED BY : LN	CHECKED BY : VP
STANDARD : AS1736		

DRILLING & WATER DETAIL	LAB DATA				SAMPLES & FIELD DATA	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									
								SM	SAND - silty SAND, fine to medium sand, brown, low plasticity silt fines, moist, loose.	M	L		0.00: NATURAL
					59.9	0.5m	0.50m	CI	CLAY - sandy CLAY, medium plasticity, orange grey, fine to medium sand, moist, stiff to very stiff.	M	St / VSt		
					59.4	1.0m	1.20m	CI	CLAY - sandy CLAY, medium plasticity, orange grey, fine to medium sand, moist, very stiff to hard.	M	VSt - H		
					58.9	1.5m	1.20m	CI	CLAY - sandy CLAY, medium plasticity, red brown, fine to coarse sand, moist, hard.	M	H		
					58.4	2.0m	1.70m	CI	CLAY - sandy CLAY, high plasticity, red brown mottled grey, fine to coarse sand, moist, hard.	M	H		
					57.9	2.5m	2.80m	CH	CLAY - sandy CLAY, high plasticity, red brown mottled grey, fine to medium sand, some fine extremely weathered and extremely low strength ironstone layering, moist, hard.	M	H		
					57.4	3.0m	2.90m	CH		M	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 37**

PROJECT : Brisbane Valley Grade Separation JOB NO : QB10200.4 PAGE : 2 OF 2
 POSITION : E: 469566, N: 6949548 (56 MGA94) SURFACE ELEVATION : 60.4 (AHD) LOCATION : Brisbane Valley Hwy
 RIG TYPE : Nissan Rig CONTRACTOR : R. Battison BUCKET WIDTH : 0.1m
 DATE DRILLED : 5/5/11 to 5/5/11 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										
					3.70m			CH (continued)		CLAY - sandy CLAY, high plasticity, red brown mottled grey, fine to medium sand, some fine extremely weathered and extremely low strength ironstone layering, moist, hard. (continued)	M	H		
				D-DS 3	3.80m					CLAY - sandy CLAY, high plasticity, grey streaked orange, fine to medium sand, moist, very stiff.	M	VSt		
					56.4	4.0		CH						
					55.9	4.5		SANDSTONE		SANDSTONE - extremely weathered, very low strength, red brown, moist. (Recovered as a silty sand, fine to medium sand, very dense).	M	VD		
					55.4	5.0				SANDSTONE - extremely weathered, very low strength, orange grey, moist. (Recovered as a silty sand, fine to medium sand, dense).				
					54.9	5.5					M	D		
					54.4	6.0		SANDSTONE		Terminated @ 6.0m. No water encountered.				
					53.9	6.5								

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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