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PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 2
POSITION : E: 469556, N: 6949562 (56 MGA94)	SURFACE ELEVATION : 61.5 (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	Atterberg Limits										
										PHALIC ASPHALT - spray seal, 0.06m thick, very dense	D	VD		0.00: ASPHALT - spray seal
										CONCRETE ASPHALT - very dense.	D	VD		0.06: ASPHALT
					0.25m B-DS 1					GRAVEL - silty GRAVEL, fine to coarse gravel and sand, yellow brown grey, moist, very dense.	M	VD		0.22: ROADBASE
					0.60m	61.0	0.5		GM	CLAY - sandy CLAY, high plasticity, light grey mottled orange and red, fine to coarse sand, fine gravel, moist, very stiff.				0.63: FILL
					0.70m B-DS 2									
					1.50m	60.0	1.5		CH					
						60.5	1.0			CLAY - sandy CLAY, high plasticity, light grey mottled orange and red, fine to medium sand, moist, hard.	M	VSt		1.65: FILL
									CH					
						59.5	2.0			CLAY - sandy CLAY, high plasticity, light yellow orange streaked brown and red, fine to medium sand, moist, hard.	M	H		2.00: FILL
									CH					
						59.0	2.5							
					2.70m D-DS 3					CLAY - silty CLAY, high plasticity, red brown streaked grey, some fine sand, some fine ironstone lenses, moist, hard.	M	H		2.60: NATURAL
									CH					
					3.00m	58.5	3.0							
									CH					
					3.20m D-DS 4					CLAY - sandy CLAY, high plasticity, red brown, fine to medium sand, some extremely low strength layering, moist, hard.	M	H		
									CI					

<p><b>DRILLING</b></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><b>GROUNDWATER SYMBOLS</b></p> <p>▼ = Water level (static) ▽ = Water level (during drilling) ▶ = Water Inflow (during drilling)</p>	<p><b>SAMPLES &amp; FIELD TESTS</b></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;"><b>MOISTURE CONDITION</b> D = Dry    M = Moist    W = Wet</p>	<p><b>DCP- N (Blows/100mm)</b></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        &gt;12/100mm</p>	<p><b>CONSISTENCY (Su) {N-value}</b></p> <p>VS Very Soft    &lt; 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        &gt; 200 kPa {&gt;30}</p>
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