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PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 2
POSITION : E: 469987, N: 6949687 (56 MGA94)	SURFACE ELEVATION : 63.1 (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.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										
					0.20m					ASPHALT - dry, very dense.	D	VD		0.00: APHALT
					B-DS 1					GRAVEL - silty sandy GRAVEL, fine to coarse sand and gravel, brown grey, low plasticity silt fines, moist, very dense.	M	VD		0.19: ROADBASE
					0.60m					GRAVEL - silty sandy GRAVEL, fine to coarse sand and gravel, brown grey, low plasticity silt fines, some rounded orange brown cobbles, moist, very dense.	M	VD		0.51: SUB BASE
						62.6	0.5			CLAY - silty CLAY, high plasticity, red mottled grey, some fine to coarse sand, trace of fine gravel, moist, very stiff.	M	VSt		
					1.20m					CLAY - sandy silty CLAY, high plasticity, red mottled grey, fine to coarse sand, trace of fine gravel, moist, very stiff to hard.	M	VSt/H		
						61.6	1.5			CLAY - silty CLAY, high plasticity, red mottled grey, some fine to coarse sand, trace of fine gravel, moist, hard.	M	H		
					1.60m					CLAY - silty CLAY, high plasticity, orange grey, some fine to coarse sand, some fine ironstone gravel, moist, hard.	M	H		
						60.6	2.5			CLAY - silty CLAY, high plasticity, light grey, some fine to coarse sand, some fine ironstone gravel, moist, hard.	M	H		
						60.1	3.0			CLAY - silty CLAY, high plasticity, light orange brown, some fine to coarse sand, some fine ironstone gravel, moist, hard.	M	H		
						61.1	2.0			CLAY - silty CLAY, high plasticity, light orange brown, some fine to coarse sand, some fine ironstone gravel, moist, hard.	M	H		
						61.1	2.0			CLAY - silty CLAY, high plasticity, light orange brown, trace of fine to coarse sand and gravel, moist, hard.	M	H		

<b>DRILLING</b> HA Hand Auger    HQ HQ Coring AS Auger        NQ NQ Coring WB Washbore    PQ PQ Coring RR Rock Rolling    NMLC NMLC Coring  <b>GROUNDWATER SYMBOLS</b> = Water level (static) = Water level (during drilling) = Water Inflow (during drilling)	<b>SAMPLES &amp; FIELD TESTS</b> 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  <b>MOISTURE CONDITION</b> D = Dry    M = Moist    W = Wet	<b>DCP- N (Blows/100mm)</b> 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	<b>CONSISTENCY (Su) {N-value}</b> 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 33**

PROJECT : Brisbane Valley Grade Separation      JOB NO : QB10200.4      PAGE : 2 OF 2  
 POSITION : E: 469987, N: 6949687 (56 MGA94)      SURFACE ELEVATION : 63.1 (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										
						59.1-4.0				CLAY - silty CLAY, high plasticity, light orange brown, trace of fine to coarse sand and gravel, moist, hard. <i>(continued)</i>	M	H		
					4.30m D-DS 3 4.40m									
						58.6-4.5			CH					
									4.80m					
						58.1-5.0				CLAY - sandy CLAY, high plasticity, light orange grey, trace of fine sand, moist, hard.	M	H		
					5.50m D-DS 4 5.60m	57.6-5.5								
									CH					
						57.1-6.0			6.00m	Terminated @ 6.0m. No water encountered.				
						56.6-6.5								

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