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SOIL LOG

HOLE NO: AHBV 26

PROJECT : Brisbane Valley Grade Separation

JOB NO : QB10200.4

PAGE : 1 OF 2

POSITION : E: 470393, N: 6949827 (56 MGA94)

SURFACE ELEVATION : 57.6 (AHD)

LOCATION : Brisbane Valley Hwy

RIG TYPE : Nissan Rig

CONTRACTOR : R. Battison

BUCKET WIDTH : 0.1m

DATE DRILLED : 6/5/11 to 6/5/11

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										
										SAND - silty gravelly SAND, fine to medium sand and gravel, red brown, moist, very dense.	M	VD		0.00: FILL
							0.35m		SM	SAND - silty gravelly SAND, fine to medium sand and gravel, red brown, some high plasticity clay fines, moist, medium dense.	M	MD		0.35: FILL
							0.50m		SC	SAND - clayey SAND, fine to medium sand, dark brown streaked grey, low plasticity clay fines, some fine gravel, moist, medium dense.	M	MD		0.50: NATURAL
							0.65m			CLAY - sandy silty CLAY, high plasticity, grey streaked orange brown, fine to coarse sand, moist, stiff to very stiff.				
					0.80m B-DS 1									
					1.00m U-4	56.6	1.0				M	St/ VSt		1.00: U50 Pp = 160 kPa @ 1 m
					1.19m 1.20m				CH					
							1.40m			CLAY - silty CLAY, high plasticity, grey streaked red brown, some fine sand, moist, stiff.	M	St		1.40: PP = 140 kPa @ 1.4 m
							1.70m		CH	CLAY - silty CLAY, high plasticity, grey streaked red brown, some fine sand, moist, very stiff.				1.70: PP = 190 kPa @ 1.7 m PP = 240 kPa @ 2.1 m
							2.00m							
							2.50m				M	St		
							3.00m		CH	CLAY - sandy CLAY, high plasticity, brown mottled grey, fine sand, moist, stiff.	M	St		

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



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	Moisture Content	Dry Density	% Fines	Aterberg Limits										
									CH	CLAY - sandy CLAY, high plasticity, brown mottled grey, fine sand, moist, stiff. (continued)	M	St		
					3.70m D-DS 2		3.70m			CLAY - sandy CLAY, high plasticity, brown mottled grey, fine sand, some extremely weathered and extremely low strength ironstone layering, moist, stiff.				
					3.80m									
						53.6	4.0							
						53.1	4.5							
									CH					
						52.6	5.0			CLAY - sandy CLAY, high plasticity, light orange grey-brown, fine sand, some extremely weathered and extremely low strength ironstone layering, moist, stiff.	M	St		
						52.1	5.5		CH					
					5.60m D-DS 3		5.60m			SANDSTONE - extremely weathered, extremely low strength, light yellow grey, moist. (Recovered as a silty sand, fine to medium sand, dense to very dense).	M	D / VD		
									SANDSTONE					
						51.6	6.0			Terminated @ 6.0m. No water encountered.				
						51.1	6.5							

DRILLING				SAMPLES & FIELD TESTS				DCP- N (Blows/100mm)		CONSISTENCY (Su) {N-value}			
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<div>GROUNDWATER SYMBOLS</div> <div>▼ = Water level (static)</div> <div>▽ = Water level (during drilling)</div> <div>► = Water Inflow (during drilling)</div>				<div>MOISTURE CONDITION</div> <div>D = Dry M = Moist W = Wet</div>				VSt	Very Stiff	7 - 12	VSt	Very Stiff	100 - 200 {15-30}
								H	Hard	>12/100mm	H	Hard	> 200 kPa {>30}