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PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 1 OF 1
POSITION : E: 471398, N: 6949525 (56 MGA94)	SURFACE ELEVATION : 46.7 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 1/6/11 to 1/6/11	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										
									SM	SAND - silty SAND, fine to medium sand, dark brown, some clay, trace fine gravel, 10% organic, moist, loose	M	L		0.00: FILL 0.05: FILL
									CL	CLAY - sandy CLAY, low to medium plasticity, light grey with red mottling, fine to medium sand, moist, firm	M	F		
										0.40m				
									CH	CLAY - silty CLAY, high plasticity, dark grey to black, trace fine sand, trace fine gravel, moist, stiff	M	St		0.40: FILL
										0.65m				
									CH	CLAY - sandy CLAY, high plasticity, dark grey to black, fine to coarse sand, moist, stiff	M	St		0.65: NATURAL PP @ 0.7m = 190 kPa
										0.89m				
									CH	CLAY - sandy CLAY, high plasticity, grey orange mottled, fine to medium sand, moist, very stiff	M	VSt		
										0.90m				
									CH	CLAY - sandy CLAY, high plasticity, light orange grey, some gravel, moist, very stiff	M	VSt		
										1.60m				
									CH	CLAY - gravelly sandy CLAY, high plasticity, light orange grey, some fine gravel, moist, very stiff	M	St		
										1.90m				
									CH	CLAY - silty, sandy CLAY, high plasticity, light yellow orange, fine to medium sand, moist, very stiff	M	VSt		
										2.20m				
									CH	SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange brown, moist, dense.	M	D		
									SM					
										2.50m				
										3.00m				
										Terminated @ 3.0 m. No water encountered.				

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)													