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SOIL LOG

HOLE NO: AHBV 20

PROJECT : Brisbane Valley Grade Separation

JOB NO : QB10200.4

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POSITION : E: 471248, N: 6949561 (56 MGA94)

SURFACE ELEVATION : 50.4 (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	U. S. 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										
								<div>PHALCONCRETE</div> <div>PHALCONCRETE</div> <div>PHALCONCRETE</div>		ASPHALT - sprayed layer at 0.04 (approximate thickness 10mm)	M		5	0.00: ASPHALT - spray seal
								<div>PHALCONCRETE</div>			M		10	0.05: ASPHALT
								<div>0.23m</div> <div>GM</div>		GRAVEL - silty, sandy GRAVEL, fine to coarse sand, grey to brown, moist, very dense	M	VD	15	0.23: BASECOARSE
					0.50m D	49.9 -0.5		<div>0.50m</div> <div>GM</div>		GRAVEL - silty, sandy GRAVEL, fine to coarse sand, some rounded gravel (up to 50mm), low plasticity fines, orangey brown, moist, very dense	M	VD	20	0.50: SUB-BASE
					0.90m			<div>0.90m</div> <div>GM</div>			M	VD		
						49.4 -1.0		<div>SM</div>		SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange brown, moist, very dense.	M	VD		0.90: NATURAL
						48.9 -1.5		<div>SM</div>			M	VD		
								<div>1.85m</div> <div>SM</div>		SAND - silty SAND, fine to coarse sand, trace to minor fine gravel, orange brown, moist, very dense.	M	VD		
					48.4 -2.0			<div>2.00m</div>		Terminated @ 2.0m. No water encountered.				
						47.9 -2.5								
						47.4 -3.0								

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}
<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}