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ARUP

Geotechnics

CORED BOREHOLE RECORD

BH-2

SHEET 1

HOLE

OF 2

PROJECT Burnside Road Interchange

LOCATION See Figure 2

GROUND LEVEL

CONTRACTOR S & S McNae

ANGLE 90

LOGGED BY DMS/PFW

DRILL MODEL Hydrapower Scout

BEARING --

DATE/S 14/15.3.89

MOUNTING Truck

SIZE 100

DRILLING			STRATA			MATERIAL DESCRIPTION										DISCONTINUITIES				
CASING RUN, REC. (%)	WATER	SAMPLE TEST	R.L.	DEPTH	LEGEND	ROCK TYPE Colour, Grain Size, Structure, Minor Components	WEATHERING	ESTIMATED ROCK STRENGTH						30 10 3 1 FREQUENCY (per m)	SPECIFIC			GENERAL DESCRIPTION Planarity, Roughness, Coating, Infill		
			AHD	m				EL	VL	LM	HM	HH	EH		TYPE	ANGLE	THICKNESS (mm)			
				0		Silty Sandy CLAY: brown, low plasticity, sand fine.												TOPSOIL		
		N 10/20mm SPT refusal		1.0		Interbedded - SILTSTONE, SHALE & TUFFACEOUS SANDSTONE: yellow brown & grey, poorly developed bedding. contains thin laminations of carbonaceous shale.	MW									We	0	200	ROCK Deflects are mostly joints and partings on laminations at 20-30° and weathered seams to 500 mm thick.	
				2.0			EW/ HW										We	0		400
																	We	0		300
				3.0												2*				
																We	0	500		
				4.0				MW												
				5.0												Jo	60	1		
																Jo	60	1		
																We	0	200		
				6.0				HW								We	0	100		
								MW												
				7.0				HW												
								MW												
				8.0				MW/ SW												
NOTES						TYPE OF DISCONTINUITY						FIGURE			JOB					
1. 4.00 pm commence augering.						Jo-JOINT														
2. 4.30 pm commence coring at 1.0 m.						Be-BEDDING PLANE PARTING														
3. 12.00 am complete coring at 9.36m.						Fo-FOLIATION PARTING														
4. Core loss of 100 mm thickness at 1.7 and 5.0 m.						Ci-CLAY SEAM														
						We-WEATHERED SEAM														
						Cr-CRUSHED SEAM														
						Sh-SHEARED ZONE														
															5387					

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BURNSIDE ROAD INTERCHANGE

LOCATION See Figure 2
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			AHD	m				EL	VL	LM	WM	HM	UH	30	10	FREQUENCY (per m)	3	1	TYPE	ANGLE		THICKNESS (mm)		
				8		Interbedded SILTSTONE, SHALE and TUFFACEOUS SANDSTONE: as above.	MW/ SW														We	0	50	As above
				9																	Cl	5	20	Defects are mostly joints at 60°
				9.36																				
				10																				
				11																				
				12																				

NOTES	TYPE OF DISCONTINUITY	FIGURE	JOB
	Jo-JOINT Be-BEDDING PLANE PARTING Fo-FOLIATION PARTING Cl-CLAY SEAM We-WEATHERED SEAM Cr-CRUSHED SEAM Sh-SHEARED ZONE		
			5387

