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MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

PROJECT SANDGATE ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 1 of 2

HOLE No. 11

LOCATION Abutment B, 10.3m right of Southbound Control
Chainage 15092.9

REF. No. H 6209

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-614 DATE 22/8/89

SURFACE R.L. 2.847

AUGERING CORE DRILLING CASING OTHER	DEPTH (m)	STRATA DESCRIPTION		FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES							
		R.L.	LITHOLOGY			SOIL TYPE OR WEATHERING	PARAMETERS & INDICES	MC (%)x		DD (t/m ³)□			
		2.85						x □	x □	x □	x □		
	1:50		FILL (CL/CH) Brown mottled grey, very soft, moist to wet, medium to high plasticity, sparse gravel, remoulded materials.										
	0.95			A5	(1.85m depth) 8/9/89								
	(1.90)		CLAY (OH) Dark grey, very soft, wet, organic, highly plastic - alluvial. Thin sand layers and organic debris in parts.			Peat, loam, upper zone of soil profile. MC=67.0% DD=0.94t/m ³ c=24kPa φ=1.5°							
	-0.65			B									
	(3.50)		CLAYEY SAND AND GRAVEL (SC/GC) Brown, very loose, wet, coarse sand with angular gravel to 15mm in plastic clay - alluvial.										
	-1.95			C-1									
	(4.80)		MUDSTONE Pale olive green to dark green, generally firm to very stiff, hard only at depth, moist, fine grained highly plastic residual SILTY CLAY (CH) representing a dipping, layered, sedimentary sequence of very low strength clayey beds generally massive and fissured in structure, sometimes blocky. Yellow-orange ironstaining near surface.										
				D5									
				E									
				F10		Grey, purple, green mudstone distinctly different to rest of beds. Dip of 15°.							
			(Cont.)	G13									

REMARKS Drilling method - wash boring. GEOL. ENGR.

S.P.T.
 Core Loss
 WEATHERED CONDITION
 Extremely Weathered
 Moderately Weathered
 Water Level
 NOTE
 FOR TERMS AND SYMBOLS REFER TO THE COVER PAGE.
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MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

PROJECT SANDGATE ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 2 of 2

HOLE No. 11 (Cont.)

LOCATION _____

REF. No. H _____

DATUM _____

JOB No. _____ PROJECT No. _____ DATE _____

SURFACE R.L. _____

AUGERING CORE DRILLING CASING OTHER	DEPTH (m)	STRATA DESCRIPTION		FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES														
		R.L.				PARAMETERS & INDICES	MC (%)x		DD (t/m ³)□											
		LITHOLOGY	SOIL TYPE OR WEATHERING				x	x	x	x										
	1:50																			
		-7.15																		
			MUDSTONE (Cont.)		G13															
	1				H11															
	2																			
	3				J13															
	4																			
	5				K22															
	6				L33		Thin oil shale and clay shale interbeds throughout. Fissile with dips to 20°.													
	7																			
	8				M12															
	9																			
		-16.65					At 19.4m bit refusal, SPT bounding, start of higher strength bedrock.													
		(19.50)																		
			END OF HOLE		N33															

REMARKS _____

GEOL. _____
ENGR. _____

 S.P.T.
  Core Loss
 WEATHERED CONDITION:  Extremely Weathered,  Highly Weathered,  Moderately Weathered,  Slightly Weathered
 Water Level

NOTE
FOR TERMS AND SYMBOLS REFER
MRR FORM 23 AM (1/87)