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MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG

Form 23ZL(c)
(P) /10/74

PROJECT HOUGHTON HIGHWAY BRIDGE SITE SUPPLEMENTARY FOUNDATION INVESTIGATION HOLE No 42
 LOCATION Chainage 3275.7, 2 metres Left of structure centreline REF. H 4514
 (Approx. Location of PIER 83) DATUM BCC
 JOB No 140/122/201 PROJECT No 1 - 145 DATE 28.6.78 GROUND SURFACE -0.03
 TYPE OF DRILLING: Solid Augering 50mm Hollow Augering Casing NMLC Coring

STRATA DESCRIPTION		Depth	Field Sample & N Value	R.L.	Graphic Log	ENGINEERING PROPERTIES		
Soil Type Lithology	Weathering			1:50		Parameters & Indices	MC(%) x	DD(t/m ³) x
ALLUVIUM Fine grained subhorizontally bedded, unconsolidated sediment. Strata boundaries above RL - 10.10 are approximate only (± 0.5 m)	<u>SAND</u> Grey, fine grained loose. Minor coarse grained interbeds.	0.00		-0.03				
	A							
	B							
	C							
	3.00			-3.03				
	<u>SILTY SAND</u> Grey brown, fine and medium grained, loose. Significant clay component towards base.	D						
	E							
	F							
	G							
	H							
J								
COLLUVIUM <u>CLAYEY SAND AND GRAVEL</u>	K	9.50		-9.53				
		10.00						

REMARKS GEOLOGIST
 ENGINEER
 APPROVED
 DATE

38mm TUBE
 Wash Sample
 S.P.T. TEST
 WATER LEVEL

NOTE:- For other symbols see Appendix I.
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MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG

BBB (P) /10/74

PROJECT HOUGHTON HIGHWAY BRIDGESITE SUPPLEMENTARY FOUNDATION HOLE No 42(Cont.)
 REF. H
 LOCATION DATUM
 GROUND
 JOB No PROJECT No DATE SURFACE
 TYPE OF DRILLING: Solid Augering 50mm Hollow Augering Casing NMLC Coring

STRATA DESCRIPTION		Depth	Core Rec. %	R.L.	Graphic Log	STRUCTURE	ENGINEERING PROPERTIES												
Soil Type	Weathering			1:50			Intact strength				Defect Spacing								
Lithology		10.00		10.03			UC	VC	VC	VC	VC	VC	VC	VC	VC	VC	VC	VC	VC
COLLUVIUM (CONT.) Fine grained, partially indurated soil.	CLAYEY SAND AND GRAVEL (CONT.) Matrix material consists of mottled yellow brown iron-stained grey, medium grained, medium dense clayey sand. Isolated pebbles of high strength red ferruginous sandstone to 75mm throughout.	10.15																	
			66																
	DECOMPOSED Yellow brown iron-stained dense clayey sand.	12.05		-12.08															
SANDSTONE Grey, massive, medium grained sedimentary rock. Bedding and defects are subhorizontally oriented.	HIGHLY WEATHERED Moderate to heavy yellow brown discolouration throughout. Slight differential weathering of siltstone beds. Below RL -15.18 there is an appreciable increase in rock soundness (approaching MW)	13.10		-13.12															
			87																
		14.95		-14.98		Isolated zones to 200mm thick containing fragmented interbeds of dark grey organic siltstone.													
		16.30		-16.33															
END OF HOLE																			

REMARKS: GEOLOGIST: *[Signature]*
 ENGINEER: *[Signature]*
 APPROVED: *[Signature]*
 DATE: 5/9/78

Decomposed
 Highly Weathered
 Moderately Weathered
 Slightly Weathered
 Core Loss

NOTE:- For others symbols see Appendix I.
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