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MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

PROJECT DEPOT ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 1 of 3

HOLE No. 11

LOCATION Abutment B (approx.) - Co-ordinates 38404.4E
46728.4N

REF. No. H 6238

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-615 DATE 30/8/89

SURFACE R.L. 6.24

AUGERING CORE DRILLING CASING OTHER	DEPTH (m)	STRATA DESCRIPTION		FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES								
		LITHOLOGY	SOIL TYPE OR WEATHERING			PARAMETERS & INDICES		MC (%)x		DD (t/m ³)□				
								x	x	x	x			
	1:50													
	R.L.													
	6.24													
		FILL		(USC)										
		Brown, moist, sandy clay.												
	1													
	4.54													
	2	CLAY		A6 (CL)										
		Brown to dark grey, red-brown iron oxide concentrations in part, firm to stiff alluvium.												
	3			B (CH/ CL)										
		Sandy and gravelly in parts due to iron oxide concentrations.												
	4			C13 (CH)										
		Nodular structure with peds to 2mm evident in parts.												
	5													
	6			D (CH/ SC)										
	-0.16													
	7	CLAYEY SAND		E25 (SC/ CL)										
		Grey with red ironstaining, moderately dense medium grained alluvium.												
		Very clayey in part.												
		Minor quartz gravel to 10mm.												
	-1.66													
	8	SANDY CLAY		F6 (CL/ CH)										
		Grey, firm alluvium.												
		Sand fraction fine grained.												
	-3.16													
		SAND		G										
		(See over)												

c=216kPa
φ=4.5°
MC 19.2
DD 1.76

REMARKS

GEOLOGICAL
ENGINEERING

S.P.T.
 Core Loss
 WEATHERED CONDITION
 Extremely Weathered
 Moderately Weathered
 Water Level

Highly
 Slightly

NOTE
FOR TERMS AND SYMBOLS REFER
MRD FORM 23 AM (11/87)

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

PROJECT DEPOT ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 2 of 3

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						
		LITHOLOGY	SOIL TYPE OR WEATHERING			PARAMETERS & INDICES	MC (%)x		DD (t/m ³)□			
							x	x	x	x		
	1:50											
	R.L.											
	-3.76											
		SAND (Cont.) Pale grey to yellow grey to grey, moderately dense, fine to coarse grained alluvium. Clayey in part. Silty near base.		G (SP/SC)		Clayey c=64kPa φ=16°	MC 21.4 DD 1.72					
	11											
	12			H17 (SP)								
	13			J17 (SM)		Silty						
	-7.66											
	14	GRAVEL Pale grey, medium dense, alluvium. Mainly quartz to 10mm. Silty and sandy near base. Isolated pockets of soft clay to 50mm near base.		K30 (GP)								
	15											
	16			L24 (GP)								
	17											
	18			M23 (SP)		Silty, sandy						
	-12.16											
	19	MUDSTONE Olive green to green blue to dark green grey, fine grained, poorly consolidated sedimentary rock. Ironstained along sub-horizontal defects.		N25								

REMARKS (see over)

GEOLOGICAL
ENGINEER

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

NOTE
FOR TERMS AND SYMBOLS REFER TO ATTACHED COVER PAGE.

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

PROJECT DEPOT ROAD BRIDGESITE FOUNDATION INVESTIGATION

Sheet 3 of 3

HOLE No. 11 (Cont.)

LOCATION

REF. No. H

DATUM

JOB No. PROJECT No. DATE

SURFACE R.L.

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) ₀	
1:50											
-13.76											
21		MUDSTONE (Cont.) Thin shaly interbeds in parts. Exhibits properties of a very stiff to hard fissured silty clay.	P-60 240								
22			Q-40 100								
24			R-45* 150								
25	-18.81		S-38* 150								
		END OF HOLE									
26											
7											
8											
9											

REMARKS

GEOL. *R. del*
ENGR. *S. Hobb*

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

NOTE
FOR TERMS AND SYMBOLS REFER TO ATTACHED COVER PAGE.