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PROJECT NEW HORNIBROOK VIADUCT FOUNDATION INVESTIGATION

HOLE No 25

LOCATION South Abutment, on centreline

DATUM B.C.C.

Grid Reference 38847.6 E 51943.6 N

GROUND SURFACE 2.63

LOG No Q13A/5380/101 PROJECT No. 1-145 DATE 30.31/7/74 REF. N. 3492

TYPE OF DRILLING 51mm Hollow Auger & NMLC Diamond Drilling

WATER LEVEL Tidal

STRATA DESCRIPTION		Depth	Total Sample & N Value	R.L.	ENGINEERING PROPERTIES	
Soil Type	Weathering				Parameters & Indices	MC(%) x 20(1/2" x 30 x 40)
Lithology						1.40 1.60 1.30 0.60
FILL Brown, moist, loose, sandy clay.	Sand fraction fine grained.	1.50	71.5	1.13		x o
SAND Grey, wet, loose	Fine grained throughout, with abundant shell fragments to 10mm.	4.50	83.0			x
		5.50	44.5	-2.87		x
CLAY Grey, moist, stiff to very stiff.	Red and brown mottled in parts. Contains varying amounts of fine sand throughout.	11.07	286.0			x o
		15.92	187			x o
		11.07	159.2			x o
			11.07			x o

c=43.4 kPa
phi=5.0

REMARKS:

GEOLOGIST

ENGINEER

APPROVED

DATE

MAIN ROADS DEPARTMENT
ENGINEERING BORE LOG



FORM 1000/01
(P) 1/74

PROJECT NEW HORNIBROOK VIADUCT FOUNDATION INVESTIGATION

HOLE No 25 (cont.)

LOCATION

DATUM

GROUND
SURFACE

JOB No. PROJECT No. DATE REF. H. 3492

WATER
LEVEL

TYPE OF DRILLING

STRATA DESCRIPTION		Depth	Field Sample & N Value	R.L.	ENGINEERING PROPERTIES	
Soil Type	Weathering				Parameters & Indices	γ_{sat} , $DC(1/m^2)$ 10 x 20 x 30 x 40
Lithology			Value	-8.87		1.40, 1.60, 1.80, 2.00
CLAY (CONT.)		12.17				
		14.20	9.43	-11.57		
SANDSTONE Grey, horizontally bedded, fine grained sedimentary rock.	DECOMPOSED Red ironstained in part, Medium to very dense, moist, clayey sand and silt.	11.67				
		12.72				
		15.188			$c=77.3kPa$ $\phi=6^\circ$	
		20.2				
		>40				
		22.12			$c=230.8kPa$ $\phi=19^\circ$	
		23.1				
		>40				

REMARKS:

GEOLOGIST

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APPROVED

DATE

36mm TUBE 76mm TUBE S.P.T. TEST

HOLE No. 25 (cont.)

DATUM.....

GROUND

SURFACE

WATER

LEVEL

TRADING PROFILES

SANDSTONE

GEOLOGIST C.B.

ENGINEER *ADP*

APPROVED *W. B. Jones*

DATE 12/20/74

 30mm TUBE
  76mm TUBE
  S.P.T. TEST
  Core