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MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-19/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 1 of 3

HOLE No. 8

LOCATION Chainage 22003, 9m right of control line

REF. No. H 6100

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-596 DATE 24/11/88

SURFACE R.L. 4.42

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 (%)		DD (t/m ³)	
								x 25	x 30	x 35	x 40
	4.42						1.3	1.4	1.5	1.6	
	1		<u>SILTY CLAY (1)</u> Dark grey mottled, dry, very stiff alluvium. Fine grained sandy in part.	A							
	3.02		<u>CLAYEY SILT</u> Grey mottled brown, dry to moist, dense alluvium. Fine grained sandy in part.	B36							
	2			C							
	3										
	1.12		<u>SILTY SAND</u> Grey to brown grey; wet, medium dense, fine to coarse grained alluvium. Grain size increases from fine near top to coarse near base. Gravelly near base. Gravel quartzose to 25mm.	D22							
	4			E20							
	5					gravelly					
	1.38			F22							
	6		<u>CLAY</u> Dark grey to grey, yellow brown or red brown ironstained in part, stiff to hard alluvium.	G15							
	7		Structure evident with iron-staining common along defects. Some major subvertical joints. Gravel quartzose to 30mm.	H							
	8			J17		c = 82kPa φ = 17°					
	9			K		gravelly					

REMARKS Other Drilling - Wash Boring and Drilling Mud.

Hole caved in at 3.3m.

GEOL.

ENGR.

APPR.

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)
-19/80PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 2 of 3

HOLE No. 8 Cont.

LOCATION

REF. No. H

DATUM

SURFACE R.L.

JOB No.

PROJECT No.

DATE

AUGERING CORE DRILLING CASING OTHER	DEPTH (m)	1:50	STRATA DESCRIPTION		FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES					
		R.L.	LITHOLOGY	SOIL TYPE OR WEATHERING			PARAMETERS & INDICES	MC (%)		DD (t/m ³)		
		-5.58						x 25 □ 1.3	x 30 □ 1.4	x 35 □ 1.5	x 40 □ 1.6	
			CLAY (Cont.)									
	11				L17		c = 136kPa φ = 5°					
	12				M							
	13				N36							
	14	-9.78			P		c = 120kPa φ = 15.5°					
	15		CLAYEY SAND AND GRAVEL Pale grey mottled, wet, dense to very dense alluvium. Very clayey throughout. Gravelly clay near top. Gravel consists of very low strength weathered rock and high strength rock to 50mm. Some of the weathered rock broken down to clay. Sand fraction minor component.		Q47							
	16				R60							
	17	-12.78			S56							
	18		CLAYEY SAND (4) Grey to grey-brown, wet, medium dense, fine to medium grained alluvium. Very clayey near top. Minor gravel to 30mm.		T19							
	19				U20							
		-15.18										
			HIGHLY WEATHERED MUDSTONE (See Over)		V35							

REMARKS Other Drilling - Wash, Boring and Drilling Mud.

GEOL.
ENGR.
APPR.

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (d)

-1/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 3 of 3

HOLE No. 8 (Cont.)

LOCATION

REF. No. H

DATUM

SURFACE R.L.

JOB No.

PROJECT No.

DATE

AUGERING CORE DRILLING CASING OTHER	DEPTH (m)	1:50	STRATA DESCRIPTION		R.Q.D. () % CORE REC. %	GRAPHIC LOG	STRUCTURE	ENGINEERING PROPERTIES	
		R.L.	LITHOLOGY	SOIL TYPE OR WEATHERING				INTACT STRENGTH	DEFECT SPACING
	-15.58								
	21	-17.28	MUDSTONE (Cont.) White to green and blue grey, fine grained poorly consolidated sedimentary rock. Bedding low angle. Swells and cracks readily.	HIGHLY WEATHERED (Cont.) Material exhibits properties of a medium dense to very dense clayey silt.	W17				
	12			MODERATELY WEATHERED Defects in sets subhorizontal and medium to high angle. Some defects black ironstained.	X 32 17		green grey greeny grey and white mottled		
	23								
	24	-20.30			94		blue grey mottled		
	15		END OF HOLE						
	26								
	27								
	28								
	29								

REMARKS ⊗ axial point load test
Other Drilling - Wash Boring and Drilling Mud.

GEOL. Rdel

ENGR. m m

APPR. P. J. O'Brien

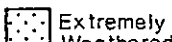
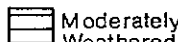


S.P.T.



Core Loss

WEATHERED

Extremely
WeatheredModerately
WeatheredWater
Level

NOTE

AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION F.I

START
21.72 M

HOLE 8
H 6100

1 OF 1

DECEMBER 88

