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MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-1/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION INVESTIGATION

Sheet 1 of 3

HOLE No. 28

LOCATION Chainage 22128.3, 9m right of control line.

REF. No. H 6104

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-596

DATE 22/11/88

SURFACE R.L. 4.14

ALGERING 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) □
		4.14					x 25 x 30 x 35 x 40 □ 1.4 □ 1.5 □ 1.6 □ 1.7
	1	2.44	<u>FILL</u> Grey dry to moist, medium dense silty gravel to gravelly clay. Gravel is weathered rock to 40mm. Fine to medium grained sandy in part.	A25			
	2		<u>CLAYEY SAND (1)</u> Dark brown to grey, wet, loose to medium dense, medium to coarse grained alluvium. Silty clay near top. Minor gravel to 10mm near base.	B7		dark brown firm silty clay	
	3	0.90		C ⁺			
	4	0.06		D19		12/12/88	
	5		<u>CLAY</u> Grey, brown ironstained in part, moist, stiff to very stiff alluvium. Slightly silty throughout particularly in ironstained parts. Structure evident.	E12			
	6			F		c=67kPa φ=7.5°	□ X
	7	3.06		G20			
	8		<u>CLAYEY SAND AND GRAVEL</u> Grey, red and yellow brown mottled in part, wet, medium dense to very dense alluvium. Very clayey throughout. Gravelly clay in parts. Silty clay in part. Less gravelly in parts. Gravel generally high strength to 30mm.	H40		mainly red brown coarse grained clayey sand	
	9			J33			
				K25		silty clay	

REMARKS Other Drilling - wash boring.

+ No sample recovered - drillers log indicates grey sand. GEOL.

ENGR.

APPR.

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-7/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 2 of 3

HOLE No. 28 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 (%)x		DD (t/m ³)□	
		-5.86						x □	x □	x □	x □
			<u>CLAYEY SAND AND GRAVEL</u> (Cont.) Near the base, gravel also consists of very low strength weathered rock to 40mm. Some weathered rock particles break down to clay. Sand fraction fine to coarse grained.			clayey sand					
	11			L24							
	12			M27							
	13			N82							
	14			P38							
	15			Q29				weathered rock gravel prominent			
	16	-12.06		R53							
	17		<u>HIGHLY WEATHERED</u> Material exhibits properties of a medium dense to very dense clayey silt.	S18							
	18			T43							
	19			U65							
		-14.96			V 34* 150						
			<u>MODERATELY WEATHERED</u> (See over)								

REMARKS

Other Drilling - Wash Boring and Drilling Mud.

GEOL.

ENGR.

APPR.

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (d)

-9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 3 of 3

HOLE No. 28 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						
		-15.86						HC	HT	HN	HL	VS	VC	UC	MC	WC	VW	EW		
	21		MUDSTONE (Cont.)	MODERATELY WEATHERED (Cont.) Defects along medium to high angle joints, black ironstained. Numerous incipient defects due to swelling and cracking.																
	22																			
		-18.51				66														
	23		END OF HOLE																	
	24																			
	25																			
	26																			
	27																			
	28																			
	29																			

REMARKS

GEOL. *Rdel*ENGR. *mm*APPR. *1.8.80*

AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION F.I

START
19.65M

HOLE 28
H 6104

1 OF 1

DECEMBER 88

