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MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-19/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION

Sheet 1 of 3

INVESTIGATION

HOLE No. 11

LOCATION Chainage 21988.2, on control line

REF. No. H 6102

DATUM AHD

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

DATE 28,29/11/88

SURFACE R.L. 4.74

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) □		
		4.74						x 10 □ 1.3	x 20 □ 1.4	x 30 □ 1.5	x 40 □ 1.6	
	1	3.54	<u>SANDY CLAY</u> Dark grey mottled yellow brown dry to moist, very stiff alluvium. Sand fraction fine grained. Very silty throughout	A								
	2		<u>CLAYEY SILT</u> Grey mottled yellow brown, moist, medium dense alluvium. Fine sandy throughout. Very clayey near top. Sandy silt in part.	B20								
	3			C			sandy silt					
	4	0.74		D17								
	5		<u>CLAYEY SAND</u> Grey to brown near base, wet, medium dense, fine to coarse grained alluvium. Silty throughout. Gravelly in part. Gravel to 20mm, mainly less than 10mm.	E			c=18kPa φ=28°			x	□	
	6			F27			gravelly					
	7			G21								
	8	-3.06		H15								
	9		<u>CLAY</u> Dark grey to grey, yellow brown ironstained in part, moist, stiff to very stiff alluvium. Structure evident with ironstaining along some defects. Slickensides present.	J12								
				K			c=99kPa φ=7°			□	x	

REMARKS Other Drilling - Wash Boring and Drilling Mud.
Hole caved in at 3.5m.GEOL.
ENGR.
APPR.

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-19/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION

Sheet 2 of 3

FOUNDATION INVESTIGATION

HOLE No. 11(cont'd)

LOCATION

REF. No. H

DATUM

JOB No.

PROJECT No.

DATE

SURFACE R.L.

ALTERNATE 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)□		
		-5.26						x □	x □	x □	x □	
111			CLAY (cont'd)									
	11				L15							
	12				M							
	13				N18							
		-8.46										
	14		CLAYEY SAND AND GRAVEL Dark grey mottled yellow and orange brown to pale grey mottled, wet, medium dense to very dense alluvium. Very clayey throughout. Sandy clay and gravelly clay in part.		P17		clayey sand					
	15		Gravel consists of low strength weathered rock and high strength rock to 45mm. Sand fraction mainly fine to medium grained. Less gravelly near top.		Q							
	16				R60							
	17				S34							
		-12.46										
	18		CLAYEY SAND (4) Mainly grey, wet, dense, mainly medium grained alluvium.		T31							
		-13.46										
	19		HIGHLY WEATHERED Material exhibits properties of a dense to very dense clayey silt.		U79							
		-14.96										
			MODERATELY WEATHERED									

REMARKS

Other Drilling - Wash Boring and Drilling Mud.

GEOL.

ENGR.

APPR.

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (d)

-7/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 3 of 3

HOLE No. 11 (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. () %	GRAPHIC LOG	STRUCTURE	ENGINEERING PROPERTIES	
		R.L.	LITHOLOGY	SOIL TYPE OR WEATHERING	CORE REC. %			INTACT STRENGTH	DEFECT SPACING
		-15.26							
	21		MUDSTONE (Cont.)	Grey green, fine grained, poorly consolidated sedimentary rocks. Swells and cracks readily.	MODERATELY WEATHERED (Cont.) Defects along low angle joints. Black iron stained. Subvertical cracks occur in core due to swelling.				
	-17.21				73		Clayey seams		
	12			END OF HOLE					
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
	22								
	23								
	24								
	25								
	26								
	27								
	28								
	29								

REMARKS Other Drilling - Wash Boring and Drilling Mud.

GEOL. *Rdel.*ENGR. *si mi*APPR. *pf*

NOTE

AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION F.1

START
18.95M

HOLE 11
H 6102

1 OF 1

DECEMBER 88

19	0.5m C/L
20	
21	