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MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-19/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION

Sheet 1 of 3

FOUNDATION INVESTIGATION

HOLE No. 10

LOCATION Chainage 21963.2, on control line

REF. No. H 6101.

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-596 DATE 25,28/11/88

SURFACE R.L. 4.82

AUGERING CORE DRILLING CASE 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)□	
		4.82						x 25 x 30 x 35 x 40 □ 1.3 □ 1.4 □ 1.5 □ 1.6			
	1	3.62	<u>SILTY CLAY (1)</u> Grey mottled red brown, moist stiff alluvium	A							
	2		<u>CLAYEY SILT</u> Grey mottled orange brown, moist, medium dense alluvium Very clayey particularly near top. Fine grained sandy in part	B15							
	3	1.82		C16							
	4	1.02	<u>SILTY SAND</u> Pale grey to brown near base, wet, medium dense, fine to coarse grained alluvium .	D17	▽ 12/12/88						
	5		Clayey and gravelly near base. Gravel quartzose to 30mm.	E24							
	6			F14							
	7	-2.08		G28	○ ○ ○ ○ clayey and gravelly						
	8		<u>CLAY</u> Grey to dark grey, yellow ironstained in part, moist, stiff to very stiff alluvium. Structure evident with iron- staining along defects. Slickensides present.	H		c = 106kPa φ = 11.5°					
	9			J15							
				K							

REMARKS Other Drilling - Wash Boring and Drilling Mud.

GEOL.

ENGR.

APPR.

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (e)

-/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION

Sheet 2 of 3

INVESTIGATION

HOLE No.10 (cont'd)

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)□		
		-5.18						x 25 □ 1.2	x 30 □ 1.4	x 35 □ 1.6	x 40 □ 1.8	
			CLAY (cont'd)									
	11				L		c = 183kPa φ = 4.5°					
	12				M17							
	13	-8.38			N		c = 130kPa φ = 12.5°					
	14		CLAYEY SAND AND GRAVEL Grey mottled yellow brown to pale grey mottled, wet, medium dense to dense alluvium. Very clayey throughout. Gravelly clay in part. Gravel consists of very low strength weathered rock and high strength rock to 45mm. Less gravelly near top. Sand fraction fine to coarse grained.		P22	“ / / / / / /	less gravelly					
	15				Q33	° ° ° °	gravelly clay					
	16				R38							
	17	-12.38			S48							
	18	-13.38	CLAYEY SAND (4) Drillers log only. Brown wash.		T ⁺ 31							
	19		HIGHLY WEATHERED Material exhibits properties of a dense to very dense clayey silt.		U50							
			MUDSTONE (See Over)		V36							

REMARKS + No sample.

Other Drilling - Wash Boring and Drilling Mud.

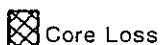
GEOL.

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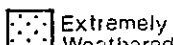


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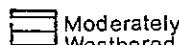


Core Loss

WEATHERED



Extremely Weathered



Moderately Weathered



Water Level

NOTE

MAIN ROADS DEPARTMENT ENGINEERING BORE LOG

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 3 of 3

HOLE No. 10 (Cont.)

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DATUM

SURFACE R.L.

JOB No.

PROJECT No.

DATE _____

[illegible]

REMARKS (X) axial point load test
Other Drilling - Wash Boring and Drilling Mud.

GEOL.

' ENGR.

APPB.3

NOTE

AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION F.1

START
20.68M

HOLE 10
H 6101

1 OF 1

DECEMBER 88

START	CORE LOSS 0.38	21	
			22
23		E/H	

20.68M