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PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION

Sheet 1 of 3

FOUNDATION INVESTIGATION

HOLE No. 1

LOCATION Chainage 21948.4, 9m left of control line

REF. No. H 6099

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-596 DATE 23/11/88

SURFACE R.L. 4.69

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 20 x 25 x 30 x 35 □ 1.4 □ 1.6 □ 1.8 □ 2.0	DD (t/m ³) □
	4.69							
1		<u>SILTY CLAY (1)</u> Dark grey to grey brown. Moist, very stiff alluvium. Fine grained sandy in parts.		A		c = 159kPa φ = 13.0°	x □	
2	2.69			B16				
3		<u>SILTY SAND</u> Grey white, brown ironstained in part, wet, loose to medium dense fine to coarse grained alluvium.		C				
4	1.02	Gravelly in part. Gravel quartzose to 20mm mainly 6-10mm.		D18	12/12/88			
5		Less sandy in part Slightly clayey near base.		E16		gravelly		
6				F27				
7				G25		slightly clayey		
8	3.51			H7				
9		<u>CLAY</u> Grey to dark grey, brown ironstained in part, moist, stiff to very stiff alluvium Structure evident with ironstaining along defects. Slickensides present.		J10				
				K		c = 90kPa φ = 11.5°	□	

REMARKS Other Drilling - Wash Boring and Drilling Mud.

GEOL.

ENGR.

APPR.



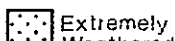
S.P.T.



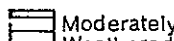
Core Loss

WEATHERED

CONDITION



Extremely Weathered



Moderately Weathered



Water Level

NOTE

FOR TERMS AND SYMBOLS REFER

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-19/80

PROJECT AIRPORT DRIVE ROUNABOUT GRADE SEPARATION

Sheet 2 of 3

FOUNDATION INVESTIGATION

HOLE No. 1(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)□
		-5.31						x 20 x 25 x 30 x 35 □ 1.4 □ 1.6 □ 1.8 □ 2.0	
			CLAY (Cont'd)						
	11	-6.51			L		c = 210kPa φ = 16.0°		
	12		CLAYEY SAND AND GRAVEL		M39		less gravelly		
	13		Dark grey mottled brown to pale grey mottled, wet medium dense to very dense alluvium.						
	14		Very clayey throughout. Gravelly clay in part.		N				
	15		Gravel consists of very low strength weathered rock as well as high strength rock to 50mm.		P29		gravelly clay		
	16		Less gravelly near top Sand fraction fine to coarse grained.		Q57				
	17	-12.51			R52				
	18		MUDSTONE Greygreen, fine grained poorly consolidated. Sedimentary rock. Swells and cracks readily.	HIGHLY WEATHERED	T42				
	19			Material exhibits properties of a dense to very dense clayey silt.	U30				
	20	-15.11				V 35 130			
			MODERATELY WEATHERED						

REMARKS + no sample recovered - stone jammed in cone

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. 1 Cont.

LOCATION

REF. No. H

DATUM

SURFACE R.L.

JOB No.

PROJECT No.

DATE

AUGERING CORE LOG CASSING OTHER	DEPTH (m)	1:50	STRATA DESCRIPTION		R.Q.D. () % CORE REC. %	GRAPHIC LOG	STRUCTURE	ENGINEERING PROPERTIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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			MUDSTONE (Cont.)	MODERATELY WEATHERED (Cont.) Defects along joints brown or black ironstained. Joints subvertical or low to medium angle.			X	subvertical defects																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

REMARKS ⊗ axial point load test

GEOL. *Rdell*ENGR. *not m*APPR. *af. O'Neill*

AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION F.1

START
19.80 M

HOLE 1
H 6099

1 OF 1

DECEMBER 88

START	19.80	19.80
CORE LOSS	20	
	21	
		22