MAIN ROADS DEPARTMENT — ENGINEERING BORE LOG

FORM 23 ZL (c) -/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

AUGERING / CORE DRILLING / CASING / OTHER

DEPTH (m)	1:50 R.L.	STRATA DESCRIPTION: LITHOLOGY / SOIL TYPE OR WEATHERING	FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES: PARAMETERS & INDICES	MC (%) x / DD (t/m³) □
	4.14					x 25 x 30 x 35 x 40 □ 1.4 □ 1.5 □ 1.6 □ 1.7
1		**FILL** 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			
	2.44					
2		**CLAYEY SAND (1)** 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	
			C+			
3	0.90				12/12/88	
			D19			
4	-0.06					
		CLAY Grey, brown ironstained in part, moist, stiff to very stiff alluvium. Slightly silty throughout particularly in ironstained parts. Structure evident.	E12			
5						
			F		c=67kPa ϕ=7.5°	□ X
6						
			G20			
7	-3.06					
		CLAYEY SAND AND GRAVEL 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	
8						
			J33			
9						
			K25		silty clay	

REMARKS Other Drilling - wash boring.
+ No sample recovered - drillers log indicates grey sand.

GEOL.
ENGR.
APPR.

S.P.T. | Core Loss | WEATHERED | Extremely Weathered | Moderately Weathered | Water Level

NOTE

MAIN ROADS DEPARTMENT — ENGINEERING BORE LOG

FORM 23 ZL (c) -/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION INVESTIGATION

Sheet 2 of 3

HOLE No. 28 Cont.

LOCATION

REF. No. H

DATUM

JOB No. PROJECT No. DATE

SURFACE R.L.

AUGERING / CORE DRILLING / CASING / OTHER	DEPTH (m)	1:50 R.L. -5.86	STRATA DESCRIPTION: LITHOLOGY / SOIL TYPE OR WEATHERING	FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES: PARAMETERS & INDICES	MC (%) x DD (t/m³) □
	11		CLAYEY SAND AND GRAVEL (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.	L24			
	12			M27		clayey sand	
	13			N82			
	14			P38			
	15			Q29		weathered rock gravel prominent	
	16	-12.06		R53			
	17		MUDSTONE - Grey green, fine grained, poorly consolidated sedimentary rock. Swells and cracks readily. HIGHLY WEATHERED Material exhibits properties of a medium dense to very dense clayey silt.	S18			
	18			T43			
	19			U65			
		-14.96	MODERATELY WEATHERED (See over)	V 34*/150			

REMARKS Other Drilling - Wash Boring and Drilling Mud.

GEOL.

ENGR.

APPR.

S.P.T. | Core Loss | WEATHERED | Extremely Weathered | Moderately Weathered | Water Level

NOTE

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

JOB No. PROJECT No. DATE

SURFACE R.L.

AUGERING / CORE DRILLING / CASING / OTHER	DEPTH (m)	1:50 R.L.	STRATA DESCRIPTION: LITHOLOGY / SOIL TYPE OR WEATHERING	R.Q.D. ( )% CORE REC. %	GRAPHIC LOG	STRUCTURE	ENGINEERING PROPERTIES: INTACT STRENGTH (EH VH H M L VL) / DEFECT SPACING (EC VC C M W VW EW)
	21	-15.86	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. RdeV

ENGR.

APPR.

S.P.T. | Core Loss | WEATHERED | Extremely Weathered | Moderately Weathered | Water

NOTE FOR TERMS AND SYMBOLS REFER