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 No21/21A

LOCATION Chainage 22073.6, 9m left of control line

REF. No. H 6103

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-596 DATE 29,30/11/88

SURFACE R.L. 4.00

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) □ x 15 x 16 x 17 x 18 □ 1.4 □ 1.5 □ 1.6 □ 1.7
		4.00					
	1	2.80	SANDY SILT Dark brown dry medium dense alluvium. Clayey near base. Sand fraction mainly fine grained.	A			
	2		CLAYEY SAND (1) Pale grey, brown mottled near top, wet medium dense, fine to coarse grained alluvium. Silty throughout. Less clayey in part. Minor gravel to 20mm in part. Gravelly near base.	B11			
		1.10		C12		less clayey 12/12/88	
	3			D24			
	4	-0.80		E		c=33kPa ϕ=29° gravelly	x □
	5		SILTY CLAY (2) Dark grey to grey mottled brown in part, moist, stiff to hard alluvium. Structure evident. Fine grained sandy in part. Some concretions near base.	F14			
	6						
	7			H33			
				J		mottled red and yellow some concretions to 40mm	
	8	-4.20					
	9		CLAYEY SAND (2) Pale grey to grey, stained yellow or red brown in parts wet, medium dense, fine to medium grained alluvium. Silty throughout. Less clayey in part.	K11		less clayey	
				L19			

REMARKS DH 21 0-6.5m Tube G sheared at 6.5m - hole abandoned.
DH 21A 6.5-23.53m moved .35m along control line.
Other Drilling - Wash Boring and Drilling Mud

GEOL.
ENGR.
APPR.

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

NOTE
EXPLANATION attached ABOVE PAGE

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. 21 (cont'd)

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	FIELD SAMPLE & N VALUE	GRAPHIC LOG	ENGINEERING PROPERTIES: PARAMETERS & INDICES	MC (%) x / DD (t/m³) □
		-6.00	CLAYEY SAND (Cont'd)				
	11	-7.20		M19			
			CLAYEY SAND AND GRAVEL Grey mottley, brown in parts, wet, medium dense to dense alluvium. Very clayey throughout. Gravel consists of very low strength weathered rock and high strength rock to 50mm. Some weathered rock particles break down to sandy clay or clayey sand. Less gravelly near top. Gravelly clay in part. Sand fraction fine to coarse grained.	N40		less gravelly	
	12			P27			
	13			Q44			
	14			R28			
	15			S35			
	16			T41			
	17	-13.2					
			SILTY CLAY (3) Grey moist, stiff alluvium. Fine grained sandy throughout Medium grained silty sand near base.	U9			
	18			V18		silty sand	
	19	-15.20					
MUDSTONE			(See Over) HIGHLY WEATHERED Material exhibits properties of a very dense clayey silt.	W51			

REMARKS Other Drilling - Wash Boring and Drilling Mud

GEOL.

ENGR.

APPR.

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

NOTE FOR TERMS AND SYMBOLS REFER

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. 21 (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 EL) / DEFECT SPACING (VC C M W VW EW)
		-16.00					
		-16.70	HIGHLY WEATHERED (Cont.)	X 20/80			
	21		MODERATELY WEATHERED. Defects along joints mainly sub-horizontal, some medium to high angle. Minor ironstaining on defects above RL -17.5.			↑ Grey-green	
	22						
	23	-19.53	MUDSTONE (Cont.) Green grey to blue grey mottled, fine grained poorly consolidated sedimentary rock. Swells and cracks readily.	100			
			END OF HOLE				
	24						
	25						
	26						
	27						
	28						
	29						

REMARKS ⊗ Axial Point Load Test
Other Drilling - Wash Boring and Drilling Mud.

GEOL. RdeV
ENGR.
APPR.

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

NOTE FOR TERMS AND SYMBOLS SEE COVER PAGE