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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 No21/2.1A

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

OTHER CORE DRILLING CORE LOSS CORE LOSS 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) □
		4.00					x 15 x 16 x 17 x 18 □ 1.4 □ 1.5 □ 1.6 □ 1.7
	1	2.80	<u>SANDY SILT</u> Dark brown dry medium dense alluvium. Clayey near base. Sand fraction mainly fine grained.	A			
	2		<u>CLAYEY SAND (1)</u> 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			
	3	1.10		C12		less clayey 12/12/88	
	4			D24			
		-0.80		E		c=33kPa φ=29° gravelly	x □
	5		<u>SILTY CLAY (2)</u> 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			H33			
	7			J		mottled red and yellow some concretions to 40mm	
	8	-4.20		K11		less clayey	
	9		<u>CLAYEY SAND (2)</u> 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.	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.

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

SURFACE R.L.

JOB No.

PROJECT No.

DATE

ENGINEERING 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) □	
		-6.00						x □	x □		x □
			CLAYEY SAND (Cont'd)								
	11	-7.20			M19						
	12		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				
	13				P27						
	14				Q44						
	15				R28						
	16				S35						
	17	-13.2			T41						
	18		SILTY CLAY (3) Grey moist, stiff alluvium. Fine grained sandy throughout Medium grained silty sand near base.		U9						
	19	-15.20			V18		silty sand				
			MUDSTONE (See Over)	HIGHLY WEATHERED Material exhibits pro- perties 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

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

SURFACE R.L.

JOB No.

PROJECT No.

DATE

AUGERING CORE DRILLING CASING OTHER	DEPTH (m)	STRATA DESCRIPTION		R.Q.D. () % CORE REC. %	GRAPHIC LOG	STRUCTURE	ENGINEERING PROPERTIES									
		R.L.	LITHOLOGY	SOIL TYPE OR WEATHERING			INTACT STRENGTH					DEFECT SPACING				
		-16.00					EH	VH	H	M	L	VC	C	M	W	VW
			MUDSTONE (Cont.) Green grey to blue grey mottled, fine grained poorly consolidated sedimentary rock. Swells and cracks readily.	HIGHLY WEATHERED (Cont.)												
		-16.70														
	21			MODERATELY WEATHERED Defects along joints mainly sub- horizontal, some medium to high angle. Minor iron staining on defects above RL -17.5.												
	22															
	23															
		-19.53														
	24		END OF HOLE													
	25															
	26															
	27															
	28															
	29															

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

GEOL. Rdel
ENGR. m m
APPR. v.f. Puller

AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION F.1

START
20.73M

HOLE 21
H 6103

1 OF 1

DECEMBER 88

START 20.73M	
21	
22	
23	SPACER