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MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-1/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 1 of 3

HOLE No. 30/30A/30B

LOCATION Chainage 22088.4m on control line.

REF. No. H 6105.

DATUM AHD

JOB No. 140/U13C/201 PROJECT No. 1-596

DATE 1,2/12/88

SURFACE R.L. 4.20

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)□		
		4.20						x 18 x 19 x 20 x 21 □ 1.6 □ 1.7 □ 1.8 □ 1.9				
			<u>FILL</u> Grey clayey sand.									
	-3.50				A							
	1		<u>SANDY CLAY</u> Dark grey, moist, soft to firm alluvium. Sand fraction fine grained, silty throughout.		B3							
	2	2.00										
			<u>SILTY SAND</u> Pale grey to dark grey, wet, loose to dense, fine to coarse grained alluvium. Clayey in part. Fine grained near top, coarse grained near base. Minor gravel to 10mm.		C	▽	12/12/88					
	3	1.20										
	4	0.00			D32							
			<u>SILTY CLAY (2)</u> Grey to dark grey, red and brown ironstained in parts, moist, stiff to hard alluvium. Structure evident. Clay peds commonly of coarse sand size. Slickensides present. Fine to coarse grained sandy near base. Heavily ironstained in part.		E							
	5				F16							
	6											
					G							
	7											
	8				H48	●●●●	ironstone concretions to 5mm common					
					J		c=172kPa φ=19.5°	x	□			
	9											
	-5.80				K37	●●●●	sandy clay					

REMARKS Hole 30 struck gravel at 1.4m - refusal with rock roller bit.

Hole 30A mechanical troubles at depth 2.5m. Hole
abandoned. Hole 30A 0.4m from Hole 30. Hole 30B 0.4m
from Hole 30. Other Drilling - Wash Boring.

GEOL.

ENGR.

APPR.

MAIN ROADS DEPARTMENT

ENGINEERING BORE LOG

FORM 23 ZL (c)

-1/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION
INVESTIGATION

Sheet 2 of 3

HOLE No. 30 Cont.

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)□	
		-5.80						x □	x □	x □	x □
11			CLAYEY SAND AND GRAVEL Grey and brown, mottled in part, wet, dense to very dense alluvium. Very clayey throughout. Gravelly clay in part. 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.	L ⁺		less gravelly					
12		M51									
13		N33									
14		P29									
15		Q ⁺ 24									
16		R34									
17		S38									
18	14.00			T ₄₀ 100		mainly yellow brown					
19	15.00	CLAYEY SAND (4) Drillers log only.		U ⁺ 24							
		MUD- STONE (See over)	HIGHLY WEATHERED (See over)	V24							

REMARKS

+ No sample recovered.

Other Drilling - Wash Boring and Drilling Mud.

GEOL.

ENGR.

APPR.

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. 30 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																	
		LITHOLOGY	SOIL TYPE OR WEATHERING				INTACT STRENGTH						DEFECT SPACING											
							EH	VH	H	M	L	VC	VC	C	M	W	VW	EW						
	1:50																							
	R.L.																							
	-15.80																							
	-16.70	MUDSTONE (Cont.) - Grey green, fine grained, poorly consolidated sedimentary rock. Bedding low angle. Swells and cracks readily.	HIGHLY WEATHERED (Cont.) Material exhibits properties of a medium dense to very dense clayey silt.			shale interbed																		
21			MODERATELY WEATHERED Defects along joints and bedding planes. Mainly low angle to subhorizontal. Some medium to high angle. Black ironstaining along some defects.																					
22																								
23																								
24	-19.80																							
		END OF HOLE																						
	25																							
	26																							
	27																							
	28																							
	29																							

REMARKS Other Drilling - Wash Boring and Drilling Mud.

GEOL. *Rdel.*
ENGR. *21 21*
APPR. *P. J. Bullant*

AIRPORT DVE ROUNDABOUT GRADE SEPARATION F.1

START
21.00M

HOLE 30
H 6105

1 OF 1

DECEMBER 88

START 21.00m	
21	C/L 0.90 m.
C/L.	22
23	
24	