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ENGINEERING BORE LOG

FORM 23 ZL(c) -/9/80

PROJECT __ AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION

Sheet 1

of 3

FOUNDATION INVESTIGATION

HOLE No.

10

LOCATION Chainage 21963.2, on control line

H 6101 REF. No.

DATUM

AHD

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

DATE 25,28/11/88

SURFACE R.L. 4.82

	JOB	1/10	0. 1707	01307201 PROJECT No. 1-390	DAI		5,20/11/00 50	JRFACE R.L. 4.82
LING		Ê	1:50	STRATA DESCRIPTION	FIELD	100	ENGINEERIN	
	ESE.	ЕРТН	R.L.	SOIL TYPE	SAMPLE &	GRAPHIC	PARAMÉTERS &	MC (%) x DD (t/m ³) a
k		E I	4.82	LITHOLOGY OR WEATHERING	N VALUE	GRA	INDICES	x 25 x 30 x 35 x 40 = 1.3 = 1.4 = 1.5 = 1.6
Ì	T			SILTY CLAY(1)				
]		Grey mottled red brown, moist				
				stiff alluvium				·
	'	_ 1			H^{-}			
[_'_]	3.62	0.00	11			
		-		CLAYEY SILT Grey mottled orange brown,				
-		-		moist, medium dense alluvium	B15			
		2-		Very clayey particularly near	1 2 1 3			
		~ -		top.				
	l	-		Fine grained sandy in part				
1]			C16			
-		-3-	1.82	SILTY SAND		<u> </u>	· · · · · · · · · · · · · · · · · · ·	
		-		Pale grey to brown near base				
]		wet, medium dense, fine to		 7	12/12/88	
			1.02	coarse grained alluvium .	D17	\mathbb{V}	12/12/00	
		4		Clayey and gravelly near		1		
		-		base. Gravel quartzose		ł		
		_		to 30mm.				
	ĺ	-			E24		ļ	
		5-			De i			·
		1						
	l	-						
		-			F14		** <u>*</u>	
		6-				<u>_</u>		
	Ĭ	_				0 0	clayey and	
	į	-				0	gravelly	
* .		7-	-2.08	CLAY	G28	F		
	ľ			Grey to dark grey, yellow				
		-		ironstained in part, moist,	H			
ı		_		stiff to very stiff alluvium.	H		c = 106kPa	4 7
	Ì	8-		Structure evident with iron-	H		ø = 11.5°	
]	-		staining along defects. Slickensides present.				
		_		orrevenerace bi esent.				
	1	_			J15	l		
		9-			1 1 1 7		1	
.		-						
		-			Н.,			\
ļ		-			$N_{\rm K}$,	\ <i>i</i>
				P	7l	<u> </u>	I	

REMARKS

Other Drilling - Wash Boring and Drilling.Mud.

GEOL. ENGR. APPR.



S.P.T. Core Loss WEATHERED Extremely of Queensland Beatherent of Transport And Road 200 CC BY 4.6. Please

Moderately

Water

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ENGINEERING BORE LOG

FORM 23 ZL (c) -/9/80

PROJECT AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION

INVESTIGATION

of Sheet 2 3

HOLE No. 10 (cont'd)

REF. No. H

LOCATION

DATUM

						DATUM				
	JOB No. PROJECT No.					DATE		SURFACE R.L.		
ICLING	(E)	1:50	STRATA DESCRIPTION		FIEL		F00	ENGINEERING PROPERTIES		
SERING SE DAIL SING	рертн (R.L.	LITHOLOGY SOIL TYPE OR WEATHERING		SAMPLE &		APHIC	PARAMETERS &	MC (%)x DD (t/m ³) g x 25 x30 x35 x40	
\$000 1	ă	-5.18		and	N VALI	JE	GRA	INDICES	x 25 x30 x35 x 40	
	-		CLAY (cont'd)					·	\ \	
			•		Н.		ı		Λ	
					L			c = 183kPa	74	
	11-							$\phi = 4.5^{\circ}$	1	
							l			
'								·	1	
	12-		• ,		≤ M1	7				
					.					
					N			c = 130kPa		
] -		,					$\phi = 12.5^{\circ}$	* 4	
	13-	-8.38				-				
			CLAYEY SAND AND GRAVEL	4- 4-			77			
			Grey mottled yellow brow pale grey mottled, wet,	VII. LO	7.0		۱٠	less gravelly		
	14-		medium dense to dense		P2	۷	,_			
	1		alluvium. Very clayey throughout.			Ì	,			
			Gravelly clay in part.			1	٥	gravelly clay		
	15-		Gravel consists of very		Q3	3	٥	graverry cray		
	'`-		strength weathered rock high strength rock to 45			ŀ	0		,	
	-		Less gravelly near top.							
]		Sand fraction fine to co	oarse	R3	8		•		
,	16-		grained.							
								.)		
L	-									
	17-				S4	8				
		-12.38	CLAYEY SAND (4)		1					
]		Drillers log only.							
			Brown wash.		T ⁺	31				
	18-	-13.38					_			
	-		HIGHLY WEATHERED Material exhibits p	x 0-						
			perties of a dense		บ5	0	j	į		
	19-		ਮ very dense clayey s							
			Ov							
	-		Hery dense clayey s							
			当世 10 11 11 11 11 11 11 1		V3	6			<u> </u>	

REMARKS + No sample.

Other Drilling - Wash Boring and Drilling Mud.

GEOL. ENGR. APPR.

S.P.T. Core Loss WEATHERED Extremely Weathered Weathered Level

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ENGINEERING BORE LOG

FORM 23 ZL (d) -/9/80

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PROJECT

AIRPORT DRIVE ROUNDABOUT GRADE SEPARATION FOUNDATION

INVESTIGATION

Sheet 3

HOLE No. 10 (Cont.) Н

REF. No.

LOCATION

DATUM

		77.7 M. 77.7						AT UIVI		
_		DB No. PROJECT No.				DATE		50	JRFACE R.L.	
	BING DRILLING NG TH (m)		1:50	STRATA	DESCRIPTION		R.Q.D.	LOG		ENGINEERING PROPERTIES
	NO RICHARY	DEPTH	R.L.	LITHOLOGY	SOIL TYPE	()% CORE		GRAPHIC	STRUCTURE	INTACT DEFECT STRENGTH SPACING
[COS	DEP	-15.18	·	OR WEATHERING		REC. %	GRA		## =
· l	111	_		le w	HIGHLY WEATHERED				,	
ſ	-	-		fine ed low	(Cont.)		$W = \frac{11}{20}$			
	1			n, lat ing cs		X	$\sqrt[4]{\frac{11}{30}}$			
		21-	-16.23	lue green, fin consolidated k. Bedding lo and cracks		Š				
	1	-		gr nso nso Be cr	MODERATELY				pale grey	
1				co) trid	WEATHERED Defects low		,	 		
- ژ	.]]	-	·	t.) b1 1y ock	angle along				green	
		12-		(Cont y to poorl ry ro wells	joints.			<u> </u>		
; t				ey Po Po Swe	Some black				whitey pale grey	
1	•	-		gr gr ed, ent	ironstaining.				blue green	
Ĺ		23-		ST te tin lim lim di						·
_		1.	-18.56	MUDSTONE (Cont.) White grey to blue grained, poorly con sedimentary rock. angle. Swells and readily.			86		blue grey	
		†								
ι_	2			END	OF HOLE				·	
[14-	{							
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🛭 axial point load test

Other Drilling - Wash Boring and Drilling Mud.

GEOL. ENGR.

APPR. V

Moderately

Water

