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MAIN ROADS DEPARTMENT

H1342

Form 232L
(P/4/66)

NORTHERN FREEWAY: DRILLING REPORT

PROJECT ALBION-KEDRON GEOTECHNICAL INVESTIGATION PROJECT No. 2-53

DISTRICT No. 14 SHIRE BRISBANE CITY HOLE No. 5

ROAD NORTHERN FREEWAY JOB No. 140/U0030/U04.2

LOCATION Grid Reference 128173E, 122444N RL DATUM B.C.C.

TYPE AND SIZE OF DRILLING 0.0-46.1' 2" Hollow
Auger, 46.1-68.5 BXM Diamond DrillingDATE DRILLED 11th-12th November, 1970. COLLAR -
GROUND SURFACE 44.5 13.6
ROCK SURFACE -11.0
BOTTOM OF HOLE -24.0 -7.3
WATER TABLE 35.5

DEPTH 1" = 5'	% CORE REC.	DIAGRAM	STRATA	DESCRIPTION OF SOIL ROCK	SAMPLE	
					No.	TYPE
2.5				grey, medium to dense fine to coarse grained		
3.8					A	Tube
4.0						
5.5				18 blows	B	S.P.T.
7.5				silty and gravelly in part		
8.5			CLAYEY		C	Tube
9.0						
10.5				18.0'-21.0' clay band	30 blows	D S.P.T.
12.5			SAND			
13.8				23.0'-25.0' silty band	E	Tube
14.0						
15.5				39 blows	F	S.P.T.
17.5						
18.8					G	Tube
19.0						
20.5				18 blows	H	S.P.T.
22.5						
23.2					J	Tube
24.0						
25.5				28 blows	K	S.P.T.
27.5						
28.8					L	Tube
29.0						
30.5				22 blows	M	S.P.T.
32.5						
33.6					N	Tube
34.0						
35.5				11 blows	P	S.P.T.

(continued)

DRILLER PLANT

REMARKS

DATE GEOLOGIST APPROVED DATE

MAIN ROADS DEPARTMENT

H1342

Form 23ZL
(P/4/66)

NORTHERN FREEWAY: DRILLING REPORT

PROJECT ALBION-KEDRON GEOTECHNICAL INVESTIGATION

PROJECT No. 2-53

DISTRICT No. SHIRE

HOLE No. 5 (continued)

ROAD

JOB No.

LOCATION

RL DATUM

TYPE AND SIZE OF DRILLING

COLLAR

GROUND SURFACE

ROCK SURFACE

BOTTOM OF HOLE

DATE DRILLED

WATER TABLE

DEPTH 1" = 5'	% CORE REC.	DIAGRAM	STRATA	DESCRIPTION OF SOIL ROCK	SAMPLE	
					No.	TYPE
39.0			CLAYEY			
40.5				* 70 blows F.S.P.T.		
42.5			SAND			
43.2			0.1			
44.0					S	Tube
44.4		44.2		** 40 blows F.S.P.T.		
45.8				*** 40 blows U.S.P.F.		
46.1				grey, dense, moist		
			GRAVEL	clayey in part		
51.1	30			fragments $\frac{1}{2}$ " - $\frac{3}{4}$ "		
51.4				46.1' - 51.1'		
				gravel to 4"		
				*** 40 blows U.S.P.T.		
55.5	0	55.5	- 3.3			
55.7				*** 40 blows W.S.P.T.		
58.5	79		MODERATELY	brown to grey, medium		
			WEATHERED	hard to hard, fine		
62.0	55		SHALE	grained sedimentary		
				rock		
				bedding up to 15° dip		
				breaks up to 5 per foot		
				parallel to bedding		
				occasional joints at		
				moderate angles		
66.6	100			joints ironstained		
				brown : numerous fine		
68.5	100	68.5	- 7.3	sandstone interbands		
				throughout		
				END OF HOLE		

DRILLER D.L. B.T. L.W.

PLANT

MRD GEMCO 9467

REMARKS * 70 blows for 0.9' penetration

** 40 blows for 0.4' penetration

*** 40 blows for 0.3' penetration

DATE 15/12/70

GEOLOGIST

APPROVED