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PROJECT GATEWAY BELKER

(P) 7/3/79

Sheet 1 of 5

LOCATION: Pier 7 Ch. 1711.5, 17.5m left of centerline  
N 54871.177 E 45150.120

HOLE No. 112

REF. 114960

DATUM

JOB No. 140/TSE/UBA2.1 PROJECT No. 1/454

DATE 6/1/81 SURFACE R.L. +2.8

TYPE OF DRILLING: Hollow Auger

Depth (m)

Casing Depth (m)

Coring: 17.50 - 17.00

Depth (m)

Depth (m)

ENGINEERING PROPERTIES				FIELD SAMPLE & N VALUE	Depth & RL ( )	STRATA DESCRIPTION	
MC ( )	z	BD (1/10 <sup>3</sup> )	PARAMETERS & INDICES			SOIL TYPE OR WEATHERING	LITHOLOGY
					1.50		
					1.00		
					(-2.80)		

REMARKS

GEOL. ENGR.

APPR.

SPT   
  Core Test   
  Weathered   
  Moderately Weathered   
  Well   
  NOTE

MAIN ROADS DEPARTMENT - ENGINEERING BORE LOG

Form 23 2L (c)

PROJECT GENERAL DRAINAGE

(P) 13/79

Sheet 2 of 5

LOCATION

HOLE No. B12 (cont)

REF. 84950

DATUM (AD)

JOB No.

PROJECT No. 1/8-D

DATE

SURFACE R.L.

TYPE OF DRILLING

Hollow Auger

Depth (m)

Depth (m)

Coring

Depth (m)

Depth (m)

Casing

Depth (m)

Depth (m)

Depth (m)

Depth (m)

ENGINEERING PROPERTIES

FIELD SAMPLE & N VALUE

Depth & RL ( )  
1:50  
10.00  
-12.80

STRATA DESCRIPTION

SOIL TYPE LITHOLOGY OR WEATHERING

MC ( )  
x  
B

DD (1/m<sup>2</sup>)  
x  
B

PARAMETERS & UNITS

S  
L  
S

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REMARKS

GEOLOGICAL ENGINEERING



PROJECT GAYNAY BRIDGE

(P) 73/79

Sheet 3 of 5

LOCATION

HOLE No. B12 (Safe)

REF. 114950

DATUM AID

SURFACE RL.

JOB No.

PROJECT No. 1/494

DATE

TYPE OF DRILLING

Hollow Auger

Depth (m)	-
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Depth (m)

Casing

Depth (m)	-
-----------	---

Depth (m)

Coring

Depth (m)	-
-----------	---

Depth (m)

Depth (m)	-
-----------	---

Depth (m)

ENGINEERING PROPERTIES				GRAPHIC LOG	FIELD SAMPLE & N VALUE	Depth & RL ( )	STRATA DESCRIPTION										
PARAMETERS & INDICES							SOIL TYPE OR WEATHERING	LITHOLOGY									
MCC	1x	DB (1/m <sup>2</sup> )															
0	0	0	0			1.50 20.00											
					14												
					25												
						20.5 11.30											
<table border="1"> <tr> <th colspan="2">ENGINEERING PROPERTIES</th> <th rowspan="2">STRUCTURE</th> </tr> <tr> <th>Intact Strength</th> <th>Defect Spacing</th> </tr> <tr> <td>10 20 30 40 50 60 70 80 90 100</td> <td>10 20 30 40 50 60 70 80 90 100</td> <td></td> </tr> </table>				ENGINEERING PROPERTIES		STRUCTURE	Intact Strength	Defect Spacing	10 20 30 40 50 60 70 80 90 100	10 20 30 40 50 60 70 80 90 100							
ENGINEERING PROPERTIES		STRUCTURE															
Intact Strength	Defect Spacing																
10 20 30 40 50 60 70 80 90 100	10 20 30 40 50 60 70 80 90 100																
REMARKS							HYDRAULICALLY WEATHERED Grey, fissile clay 0-11% Defective zone 11st to bedding and subvertical										

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 AT ALL TIMES

GEOI. ENGR  
ARTS

PROJECT GATEWAY JUNCTION

(P) 13/73

Sheet 4 of 5

HOLE No B12 Con't

REF B4960

DATUM AHD

SURFACE RL

LOCATION

JOB No

PROJECT No 1/454

DATE

TYPE OF DRILLING

Hollow Auger

Depth (m)

Casing

Depth (m)

Coring

Depth (m)

Depth (m)

ENGINEERING PROPERTIES		STRUCTURE	CORE REC. % R.Q.D. ( )%	Depth & R.L. ( )	STRATA DESCRIPTION	
Intact Strength	Disturb Section				SOIL TYPE	LITHOLOGY OR WEATHERING
15.1	3.8			1.50		
				30.00		
		Lightly weathered low strength clay	(0) 73	42.80		MODERATELY WEATHERED CLAY Defects thinly coated with clay
		Crushed sandy low strength gravelly clay	(0) 50	32.00		
		Meddium	(74) 100	35.40		SLIGHTLY WEATHERED Light grey, clay matrix. Foliation dip 0-10°. Small defects dip 45°, some parallel to bedding. Defect surfaces clean.
		Crushed sandy fragmented clayey rock. Meddium	(11) 86			
		Crushed sand	(67) 100			
		Sandy siltstone thin bedded 60-80° coated with sticky clay. Some 15mm thick		38.10		
		Shaly zone, also spaced interbedding defects clay coated	(0) 100	40.30		SLIGHTLY WEATHERED Foliation dip 0-10°. Defect parallel to bedding and dipping 30-60°. Defect surfaces clay coated.

REMARKS

GRIL ENGR

APPR

Very Weak	Weak	Medium	Strong	Very Strong	Water	NOTE
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PROJECT GAWME BRIDGE

(P) 73/78

Sheet 5 of 5

LOCATION:

HOLE No. 343 Cont'd

RCE 14960

DATUM A.B.

JOB No

PROJECT No. 1/490

DATE

SURFACE RL

TYPE OF DRILLING

Hollow Auger

Depth (m)

Casing

Depth (m)

Coring

Depth (m)

Depth (m)

ENGINEERING PROPERTIES

Intact Strength      Defect Spacing



STRUCTURE

Graphic Log

Fault dipping 70° healed with calcite at top, coated with clay up to 1cm thick at base.

Shear zone, clay coated intersecting defects

Crush seam clay, fragmented rock

Shear zone, clay coated intersecting defects

CORE REC. % R.O.D.

(51) 100

(33) 100

(49) 100

(0) 85

(37) 100

(13) 95

DEPTH & B.L. (m)

1.50

(-42.00)

42.50

(-45.10)

47.06

(-49.86)

STRATA DESCRIPTION

SOIL TYPE LITHOLOGY OR WEATHERING

SLIGHTLY WEATHERED COARSE SANDS AND GRAVELS

SLIGHTLY WEATHERED Sand clay, defects in 0-10" and 20-30" defect planes thinly clay coated from retained in place

UNWEATHERED BROWN GRANULATED MASSIVE ROCK

REMARKS

GEOL. GR. ENGR. APPR.

Scale: 1:100      Water Level      ROUTE