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# ENGINEERING BORELOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 123

SHEET : 1 OF 3

REFERENCE No : H8644

PROJECT : BRISBANE PORT ROAD STAGE 3  
LOCATION : 46840.632E 34463.426N  
PROJECT No : C60323 SURFACE R.L. : 0.50 DRILLER : FOUNDRIL PTY LTD  
JOB No : DATUM : AHD DATE DRILLED : 10/11/99

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CORE CASING OTHER	RQD (%)	CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	0.50											
1	-0.70					ESTUARINE SILTY CLAY Dark grey, mainly moist to wet, sensitive, very soft to soft. High content of partly decomposed plant materials; high plasticity.					10/11/99 MC=96.0% WD=1.46; DD=0.74; LL=60.6% PI=31.4% LS=16.4% Peak= 10.8kPa Res= 0.9kPa	FSV U99
2											Peak= 18.2kPa Res= 2.7kPa	FSV
3											MC=47.6% WD=1.48; DD=1.00; LL=70.4% PI=35.6% LS=19.6% C= 8.0kPa; Q= 3.0 deg.	U99
4	-3.50					ESTUARINE SANDY SILTY CLAY Dark grey, moist to wet, soft. High content of shells and fine sand.	OH				LL=59.8% PI=29.8% LS=17.0% C= 18.0kPa Q= 1.5 deg.	U99
5	-4.25					ESTUARINE SILTY CLAY Dark grey, moist, sensitive, soft. Partly decomposed tree roots; appears to have been acting as free vertical drainage paths.					Peak= 21.8kPa Res= 3.6kPa	FSV
6											MC=29.8% WD=1.56; DD=0.92; LL=59.8% PI=29.4% LS=17.0% PP= 200 kPa C= 13.0kPa Q= 4.5 deg.	U99
7											Peak= 11.8kPa Res= 1.8kPa	FSV
8											MC=29.6% WD=1.54; DD=1.10; LL=76.2% PI=38.4% LS=20.2% C= 35.0kPa Q= 1.0 deg.	U99
9	-8.10					ALLUVIAL SILTY CLAY Pale grey, orange to mottled red brown moist, stiff to very stiff. Thinly laminated; some hardened and concreted zones; partly fissured and micaceous.	OL				MC=22.2% WD=1.98; DD=1.62; LL=57.4% PI=33.2% LS=17.0%	U99
10						Appears to have been subjected to aerial oxidation and desiccation					Softened upper layer of old alluvium.	

REMARKS : LOGGED BY

# ENGINEERING BORELOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 123  
SHEET : 2 OF 3  
REFERENCE No : H8644

PROJECT : BRISBANE PORT ROAD STAGE 3  
LOCATION : 46840.632E 34463.426N  
PROJECT No : C60323 SURFACE R.L. : 0.50 DRILLER : FOUNDRIL PTY LTD  
JOB No : DATUM : AHD DATE DRILLED : 10/11/99

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH				DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							EH	VH	YH	ML	VL			
10	-9.50				ALLUVIAL SILTY CLAY (as above).									
11													4, 5, 7 N=12	SPT
12													3, 3, 6 N=9	SPT
13													3, 6, 9 N=15	SPT
14						OL							4, 5, 7 N=12	SPT
15													5, 8, 10 N=18	SPT
16														
17	-16.50				INTERBEDDED SANDSTONE AND SILTSTONE XW : Generally exhibits engineering properties of orange brown, moist, hard sandy clayey silt.								9, 14, 24 N=38	SPT
18						XW								
19	-18.70				MW SANDSTONE Orange, fine to medium grained, cemented mainly low to medium strength.	MW							Is (50) = 0.27MPa Is (50) = 0.93MPa	x o
20														

REMARKS : X - Diametrial point loads; O - Axial point loads.

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# ENGINEERING BORELOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 123

SHEET : 3 OF 3

REFERENCE No : H8644

PROJECT : BRISBANE PORT ROAD STAGE 3  
LOCATION : 46840.632E 34463.426N  
PROJECT No : C60323 SURFACE R.L. : 0.50 DRILLER : FOUNDRIL PTY LTD  
JOB No : DATUM : AHD DATE DRILLED : 10/11/99

DEPTH (m)	R.L. (m)	Auger CORE DRILLING Casing OTHER	RQD (%)	CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
20	-19.50		(88)	100		MW SANDSTONE (as above).						
21	-20.45		(65)	100		INTERBEDDED SILT STONE AND SANDSTONE Dark grey to pale orange brown, fine to medium grained, interbedded, low to mainly medium strength.	MW				HW siltstone band.	
22	-21.65		(75)	100							Is (50) = 0.02MPa	x
END OF HOLE												
23												
24												
25												
26												
27												
28												
29												
30												

REMARKS : X- Diametrial point loads; O - Axial point loads.

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BRISBANE PORT ROAD - STAGE 3

C60323

START 19.20  
END 22.15  
NOV 1999  
H8644  
BH 123  
1 OF 1

