ENGINEERING BORELOG

Main Roads

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 / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	0.50				**ESTUARINE SILTY CLAY** Dark grey, mainly moist to wet, sensitive, very soft to soft. High content of partly decomposed plant materials; high plasticity.						Peak= 10.8kPa Res= 0.9kPa		FSV
1	-0.70										10/11/99 MC=96.0% WD=1.46; DD=0.74; LL=60.6% PI=31.4% LS=16.4%		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										Peak= 19.1kPa Res= 4.6kPa		FSV
					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
	-4.25												
5					**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
	-8.10										Peak =14.6kPa Res= 3.6kPa		FSV
9					**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. Appears to have been subjected to aerial oxidation and desiccation	OL					MC=22.2% WD=1.98; DD=1.62; LL=57.4% PI=33.2% LS=17.0% Softened upper layer of old alluviam.		U99
10													

REMARKS :

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BW/DTSS

ENGINEERING BORELOG

Main Roads

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 (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES / TESTS
10	-9.50				ALLUVIAL SILTY CLAY (as above).						4,5,7 N=12	SPT
11												
12											3,3,6 N=9	SPT
13												
14						OL					3,6,9 N=15	SPT
15											4,5,7 N=12	SPT
16												
17	-16.50				INTERBEDDED SANDSTONE AND SILTSTONE XW : Generally exhibits engineering properties of orange brown, moist, hard sandy clayey silt.						5,8,10 N=18	SPT
18						XW					9,14,24 N=38	SPT
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

Main Roads

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 (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
20	-19.50		(88) 100		MW SANDSTONE (as above).						HW siltstone band.		
	-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							
21													
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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