ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 125
SHEET : 1 OF 3
REFERENCE No : H8645

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46882.900E 34479.900N
PROJECT No : C60323 SURFACE R.L. : 2.17 DRILLER : FOUNDRIL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 22/11/99

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	2.17												
	1.87				TOPSOIL								
	1.67				~~Brown loam (REWORKED ESTUARINE CLAY)~~								
					ESTUARINE SILTY CLAY								
					Grey to dark grey, moist to wet, soft to firm, moderately sensitive to sensitive.						23/11/99		
1					Organics and shell fragments throughout; some minor sand lenses/interbeds in parts.						Peak= 31.0kPa Res= 15.0 kPa	FSV	
2													
											MC=48.8% WD=1.22; DD=0.82; LL=71.8% PI=38.4% LS=19.8% PP= 15.0kPa	U50	
3													
4											Peak= 27.0kPa Res= 5.0 kPa	FSV	
5						OH							
											MC=61.8% WD=1.66; DD=1.02; LL=60.0% PI=29.8% LS=17.0% PP= 23.0kPa	U50	
6													
7											Peak= 29.0kPa Res= 6.0 kPa	FSV	
8													
											MC=69.8% WD=1.56; DD=0.92;		
											PP= 26.0kPa	U50	
9													
10											~~LL=77.0% PI=35.6% LS=16.4%~~		

REMARKS :

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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 125
SHEET : 2 OF 3
REFERENCE No : H8645

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46882.900E 34479.900N
PROJECT No : C60323 SURFACE R.L. : 2.17 DRILLER : FOUNDRIL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 22/11/99

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	-7.83				**ESTUARINE SILTY CLAY** (As above). Becoming firm with depth.	OH					PP= 31.0kPa	U50	
	-8.83												
11					**ALLUVIAL SILTY CLAY** Pale grey to grey green with brown mottling, moist to mainly dry, firm to stiff with some very stiff bands. Fissured and desiccated structures throughout. Appears to have been subjected to aerial oxidation and desiccation.						2,3,4 N=7	SPT	
12													
13						OL					5,6,9 N=15	SPT	
14													
15											4,5,8 N=13	SPT	
	-13.33												
16					**ALLUVIAL SAND** Pale grey brown to orange brown, wet, mainly medium dense to dense. Fine to coarse grained sand with minor silt content around 17.5m.						4,8,10 N=18	SPT	
17													
18						SM					6,12,13 N=25	SPT	
19											9,13,17 N=30	SPT	
20													

REMARKS :

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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 125
SHEET : 3 OF 3
REFERENCE No : H8645

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46882.900E 34479.900N
PROJECT No : C60323 SURFACE R.L. : 2.17 DRILLER : FOUNDRIL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 22/11/99

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	-17.83				**ALLUVIAL SAND** (As above).	SM							
	-18.33				**RESIDUAL SILTY SANDY CLAY** Pale grey, mottled to pale brown, moist to mainly dry, stiff to very stiff. Thinly laminated with silty sandy layers throughout.	RS					4,7,8 N=16		SPT
21													
22													
23													
24	-22.03										Blade refusal.		
			(90) 100		SILTSTONE FINE GRAINED LAMINATED SEDIMENTARY ROCK MW : Grey brown, massive (top) to laminated (bottom), very low strength. Defects:Lamination partings <10 deg(6/m)	MW					Is(50)=0.02MPa Sandstone interbed. Sandstone interbed.		x
25	-23.33												
			(93) 100		SW : Dark grey to black, laminated to interbedded with minor sandstone beds (more towards) bottom, low to medium strength. Defects: Lamination partings <20 deg (3/m). Joints - 50 deg (5/m).	SW					Is(50)=0.59MPa Is(50)=0.86MPa		x o
26	-24.63				END OF HOLE								
27													
28													
29													
30													

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

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