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# ENGINEERING BORELOG

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

BOREHOLE No : 109  
 SHEET : 1 OF 3  
 REFERENCE No : H8635

PROJECT : BRISBANE PORT ROAD STAGE 3  
 LOCATION : 46867.927E 34420.664N  
 PROJECT No : C60323 SURFACE R.L. : 0.56 DRILLER : R & D Drilling  
 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
							EH	VH	H	M	VL	20	60			
0	0.56				TOP SOIL (????)											
	0.06				ESTUARINE SILTY CLAY Dark grey, moist, very soft to mainly soft, sensitive.  High shell content towards bottom; high plasticity.									Drillers record only. Peak = 11.0 kPa Res = 0.5 kPa	FSV	
1	-0.58													10/11/99		
2																
3						OH								MC=70.8% WD=1.62; DD=0.96; LL=52.6% PI=24.6% LS=14.8%	U48	
4																
5														>35 kPa	FSV	
6	-5.44				ESTUARINE SILTY SAND/SAND. Grey brown, wet, loose.	SM									FSV	
7	-5.84				ESTUARINE SILTY CLAY Dark grey, moist, firm, sensitive.  High plasticity; partly decomposed shell fragments; high organic content; fissured in most places.									MC=63.6% WD=1.64; DD=1.00; LL=55.8% PI=29.2% LS=16.2%	U48	
8						OH										
9														PEAK = 14 kPa RES = 3.0 kPa	FSV	
10	-9.44															

# ENGINEERING BORELOG

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

BOREHOLE No : 109  
SHEET : 2 OF 3  
REFERENCE No : H8635

PROJECT : BRISBANE PORT ROAD STAGE 3  
LOCATION : 46867.927E 34420.664N  
PROJECT No : C60323 SURFACE R.L. : 0.56 DRILLER : R & D Drilling  
JOB No : DATUM : AHD DATE DRILLED : 10/11/99

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)				GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							EH	EH	H	M	VL	0-200	200-300	300-600	600-2000			
10	0.56				ESTUARINE SILTY CLAY (As above).	OH												
11	-10.44				ALLUVIAL SILTY CLAY Pale green grey to grey, moist; firm to stiff.  Loamy appearance; medium to low plasticity.													
13	-12.94				ALLUVIAL SILTY CLAY. Orange brown to mottled; moist to dry; very stiff.  Low plasticity; fissured in most places.  Appears to have been aeriaily oxidised, desiccated and fissured in most places.	OL									3, 5, 8 N=13	SPT		
15	-14.94				RESIDUAL SILTY CLAY Brown to red orange mottled, moist to dry, very stiff to hard.  Frequent concreted and lateritised zones	RS									6, 10, 14 N=24	SPT		
17	-16.94				SILTSTONE XW : Generally exhibits engineering properties of brown to mottled orange, moist, hard clayey silt.	XW									9, 12, 19 N=31	SPT		
19															22, 30/100, N>50	SPT		

REMARKS : LOGGED BY

BW/DISS

# ENGINEERING BORELOG

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

BOREHOLE No : 109  
SHEET : 3 OF 3  
REFERENCE No : H8635

PROJECT : BRISBANE PORT ROAD STAGE 3  
LOCATION : 46867.927E 34420.664N  
PROJECT No : C60323 SURFACE R.L. : 0.56 DRILLER : R & D Drilling  
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					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	VH	HM	LM	VL				
20	0.56					XW : (as above).	XW									
21	-19.94					SANDSTONE MW : Orange to grey orange, fine grained mainly low to medium strength. Defects : Lamination/bedding partings <30 deg (>7/m)	MW							Is (50) = 0.09MPa	o	
22	-21.16		(72)	100		SILTSTONE SW : Dark grey, fine grained, mainly medium to high strength. Defects : LP/BP - 30 deg. (>7/m) Joints 75 deg. (2/m)	SW							Is (50) = 0.61MPa Is (50) = 0.77MPa	o x	
23	-22.16		(88)	100		SANDSTONE Pale gnye, foliated, medium to high strength. Defects : LP/BP <35 deg (4/m). Joints 65 deg (1/m).								Is (50) = 0.48MPa	o	
24	-22.71					END OF HOLE										
25																
26																
27																
28																
29																
30																

REMARKS : O - Axial Point Loads; X - Diametral Point Loads

LOGGED BY  
BW/DISS

BRISBANE PORT ROAD - STAGE 3

C60323

START 20.05  
END 23.27  
NOV 1999  
H8635  
BH 109  
1 OF 1

