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ENGINEERING BORELOG

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

BOREHOLE No : 121
SHEET : 1 OF 3
REFERENCE No : H8642

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46805.600E 34447.500N
PROJECT No : C60323 SURFACE R.L. : 2.74 DRILLER : FOUNDRILL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 23/11/99

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CASING WASHBORING	RQD (%)	CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	2.74					ESTUARINE SILTY CLAY/ TOPSOIL Pale grey green to grey, moist, firm. Frequent fine sandy interlayers; completely decomposed plant roots which could act as free drainage paths. Partly aerially oxidised, fissured and desiccated in some places. (POSSIBLE REWORKED AREA)	OH				Peak= 31.5kPa Res= 0.9 kPa	FSV
1											C= 33.0kPa; Q= 2.5 deg. MC=50.2% WD=1.76; DD=1.18; LL=67.4% PI=38.6% LS=16.8%	U48
2												
3	-0.76					ESTUARINE SILTY CLAY Dark grey, moist, firm. Abundance of partly decomposed plant material; high organic content; high plasticity.	OH				Peak= 19.5kPa Res= 0.3 kPa	FSV
4											MC=66.4% WD=1.58; DD=0.96; LL=63.8% PI=28.6% LS=15.4%	U48
5												
6	-3.76					ESTUARINE SILTY SAND Dark grey brown, wet, loose. Fine grained sand, with shell fragments.	OH				RW, 2, 1 N=3	SPT
7												
8						ESTUARINE SILTY CLAY Dark grey, moist, sensitive, soft to mainly firm. Completely decomposed shell fragments; high organic content; partly decomposed plant material; minor sandy fraction.	OH				MC=86.2% WD=1.52; DD=0.82; LL=78.6% PI=40.6% LS=20.2%	U48
9												
10	-7.26											

REMARKS :

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ENGINEERING BORELOG

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

BOREHOLE No : 121
SHEET : 2 OF 3
REFERENCE No : H8642

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46805.600E 34447.500N
PROJECT No : C60323 SURFACE R.L. : 2.74 DRILLER : FOUNDRILL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 23/11/99

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CASING WASHBORING	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							CH	SH	VE	HN	VL				
10	-7.26				ESTUARINE SILTY CLAY As above.									Peak= 54.0kPa Res= 23.0 kPa	FSV
11						OH								High peak value may be due to partly decomposed root system.	
12	-8.76				ALLUVIAL SILTY CLAY Pale grey and orange brown mottled, moist, low plasticity.										U48
13					Slight mottling; fissured, minor fraction of completely decomposed roots; occasional wet zone associated with vertical fissuring.										
14					Low plasticity; some yellow coloured secondary mineralisation along fissured planes.										
15															
16						OL									
17															
18															
19															
20	-17.26														

REMARKS :

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ENGINEERING BORELOG

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

BOREHOLE No : 121
SHEET : 3 OF 3
REFERENCE No : H8642

PROJECT : BRISBANE PORT ROAD STAGE 3
LOCATION : 46805.600E 34447.500N
PROJECT No : C60323 SURFACE R.L. : 2.74 DRILLER : FOUNDRILL PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 23/11/99

DEPTH (m)	R.L. (m)	AUGER DRILLING CORE DRILLING CASING WASHBORING	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
20	-17.26				ALLUVIAL SILTY CLAY As above.	OL				No recovery.	
	-17.81				SANDSTONE MEDIUM GRAINED LAMINATED SEDIMENTARY ROCK. MW: Pale brown to orange brown, fine to medium grained, slightly carbonaceous, low to medium strength.	MW				10/150 N=50 Is(50)=0.22MPa Is(50)=0.60MPa	SPT O X
21											
	-19.16				SILTSTONE FINE GRAINED LAMINATED SEDIMENTARY ROCK MW: Dark grey to black, fine grained and laminated, low to medium strength with occasional high strength bands. Defects:Lamination partings<30deg (10/m)	MW				Broken disturbed band Is(50)=1.13MPa	X
22											
	-20.81		(55) 100							Is(50)=0.07MPa	O
23					END OF HOLE						
24											
25											
26											
27											
28											
29											
30											

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

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BRISBANE PORT ROAD - STAGE 3

H8642
BH 121
IOF 1

START 20.55
END 23.55
NOV 1999

C 60323

