# ENGINEERING BORELOG

Main Roads

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 (EH VH H M L VL) | DEFECT SPACING (mm) (20 60 200 600 2000) | GRAPHIC LOG | ADDITIONAL DATA AND TEST RESULTS | SAMPLES / TESTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.74 | | | | **ESTUARINE SILTY CLAY/ TOPSOIL**<br>Pale grey green to grey, moist, firm.<br>Frequent fine sandy interlayers; completely decomposed plant roots which could act as free drainage paths.<br>Partly aerially oxidised, fissured and desiccated in some places.<br>(POSSIBLE REWORKED AREA) | OH | | | | | Peak= 31.5kPa<br>Res= 0.9 kPa | FSV |
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | C= 33.0kPa; Q= 2.5 deg.<br>MC=50.2% WD=1.76; DD=1.18;<br>LL=67.4% PI=38.6% LS=16.8% | U48 |
| 3 | -0.76 | | | | **ESTUARINE SILTY CLAY**<br>Dark grey, moist, firm.<br>Abundance of partly decomposed plant material; high organic content; high plasticity. | OH | | | | | Peak= 19.5kPa<br>Res= 0.3 kPa | FSV |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | MC=66.4% WD=1.58; DD=0.96;<br>LL=63.8% PI=28.6% LS=15.4% | U48 |
| 6 | -3.76 | | | | **ESTUARINE SILTY SAND**<br>Dark grey brown, wet, loose.<br>Fine grained sand, with shell fragments. | OH | | | | | RW,2,1<br>N=3 | SPT |
| 7 | | | | | | | | | | | | |
| 8 | | | | | **ESTUARINE SILTY CLAY**<br>Dark grey, moist, sensitive, soft to mainly firm.<br>Completely decomposed shell fragments; high organic content; partly decomposed plant material; minor sandy fraction. | OH | | | | | MC=86.2% WD=1.52; DD=0.82;<br>LL=78.6% PI=40.6% LS=20.2% | U48 |
| 9 | | | | | | | | | | | | |
| 10 | -7.26 | | | | | | | | | | | |

REMARKS :

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# ENGINEERING BORELOG

Main Roads

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 (EH VH H M L VL) | DEFECT SPACING (mm) (20 60 200 600 2000) | GRAPHIC LOG | ADDITIONAL DATA AND TEST RESULTS | SAMPLES | TESTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | -7.26 | | | | ESTUARINE SILTY CLAY<br>As above. | OH | | | | | Peak= 54.0kPa<br>Res= 23.0 kPa<br>High peak value may be due to partly decomposed root system. | | FSV |
| 11 | -8.76 | | | | ALLUVIAL SILTY CLAY<br>Pale grey and orange brown mottled, moist, low plasticity.<br>Slight mottling; fissured, minor fraction of completely decomposed roots; occasional wet zone associated with vertical fissuring.<br>Low plasticity; some yellow coloured secondary mineralisation along fissured planes. | OL | | | | | | U48 | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | |
| 20 | -17.26 | | | | | | | | | | | | |

REMARKS :

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Main Roads

# 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 / CORE DRILLING / CASING / WASHBORING | 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 | -17.26 | | | | | | | | | | | | |
| | | | | | ALLUVIAL SILTY CLAY<br>As above. | OL | | | | | No recovery. | | |
| | -17.81 | | | | | | | | | | 10/150<br>N>50 | | SPT |
| | | | | | SANDSTONE<br>MEDIUM GRAINED LAMINATED SEDIMENTARY ROCK.<br>MW:<br>Pale brown to orange brown, fine to medium grained, slightly carbonaceous, low to medium strength. | MW | | | | | Is(50)=0.22MPa<br>Is(50)=0.60MPa | | x<br>o |
| 21 | | | | | | | | | | | | | |
| | -19.16 | | | | | | | | | | | | |
| 22 | | | | | SILTSTONE<br>FINE GRAINED LAMINATED SEDIMENTARY ROCK<br>MW:<br>Dark grey to black, fine grained and laminated, low to medium strength with occassional high strength bands.<br>Defects:Lamination partings<30deg (10/m) | MW | | | | | Broken disturbed band<br>Is(50)=1.13MPa | | x |
| 23 | | | (55)<br>100 | | | | | | | | | | |
| | -20.81 | | | | | | | | | | Is(50)=0.07MPa | | o |
| | | | | | END OF HOLE | | | | | | | | |
| 24 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |

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

LOGGED BY
PH/DTESS