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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

PROJECT Moreton Bay Rail Link COORDINATES 503518.2 E; 6987668.1 N LOCATION Kinsellar Road Station, Ch.7390 PROJECT No_FG5921_____ DATE STARTED 26/5/11 GRID DATUM MGA94 Zone 56 SURFACE R.L. _2.10m PLUNGE _ _ _ DATE COMPLETED 26/5/11_ JOB No 250/120/3 HEIGHT DATUM AHD BEARING DRILLER R&D Drilling Pty Ltd R.L. RQD INTACT DEFECT ADDITIONAL DATA STRENGTH **SPACING** ()% (m) DEPTH (m) MATERIAL AND GRAPHIC SAMPLE CASING WASHED CORE D **DESCRIPTION** TESTS WEAT

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PROJECT Moreton Bay Rail Link COORDINATES 503518.2 E; 6987668.1 N LOCATION Kinsellar Road Station, Ch.7390 PROJECT No_FG5921_____ DATE STARTED 26/5/11 GRID DATUM MGA94 Zone 56 SURFACE R.L. _2.10m_ PLUNGE _____ DRILLER R&D Drilling Pty Ltd JOB No 250/120/3 HEIGHT DATUM AHD BEARING DATE COMPLETED 26/5/11 R.L. RQD INTACT DEFECT USC WEATHERING WEATHERING WEATHERING WEATHERING WEATHERING WEATHERING WEATHERING ADDITIONAL DATA **SPACING** ()% (m) DEPTH (m) MATERIAL AND SAMPLE AASHGE CASINER CASHCE CASHC C **DESCRIPTION** TESTS 2000 2000 2000 CORF **TEST RESULTS** REC % 10 SANDSTONE Is(50) = 1.61MPaIs(50) = 2.92MPaX L MW: (Cont'd) 100 MW $DD = 2.50t/m^3$; MC = 3.7%; UCS (99)UCS=23.3MPa -8.70 SW: Grey, medium grained, massive with slight laminated, medium to high strength. Is(50) = 0.83MPaX L Is(50) = 0.95MPa Is(50) = 0.82MPaContains thin mudstone bands; horizontal bedding. Is(50) = 0.62MPaDefects: Is(50) = 0.67MPaIs(50) = 0.07MPa Is(50) = 1.13MPa Is(50) = 3.68MPa Is(50) = 3.43MPa 100 - Drilling-induced fracture @ 5° (1-2/m) - High strength band. (96) x L Defect surfaces are medium spaced, slightly rough, open and closed, clean or FG5921 MORETON BAY RAIL LINK.GPJ <<DrawingFile>> Datgel CPT Tool gINt Add-In 06/10/2011 14:45 clay infilled. Is(50) = 0.89MPaSW Is(50) = 0.96MPaIs(50) = 0.78MPa100 (96) $DD = 2.23t/m^3$; MC = 5.7%; UCS UCS=12.1MPa Is(50) = 0.80MPax L Is(50) = 1.18MPaIs(50) = 1.90MPa-12.83 100 - 15 Borehole terminated at 14.93m LIB_01A.GLB Log A_ENGINEERING BOREHOLE LOG W LITHOLOGY 9 LOGGED BY REMARKS_ DC2/LVD



Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	26/05/11
Borehole No	BH 18	TMR H No	11028
Location	Kinsellas Rd Station	Start Depth (m)	6.00
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Detail	Structure	Finish Depth (m)	14.93
Chainage	7440 Approx	Submitted By	BW
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