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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH30
SHEET 1 of 1
REFERENCE No H11079

PROJECT Moreton Bay Rail Link
LOCATION Fill 18, Ch.9900 COORDINATES 505566.8 E; 6989029.6 N
PROJECT No FG5921 SURFACE R.L. 4.40m PLUNGE _____ DATE STARTED 30/6/11 GRID DATUM MGA94 Zone 56
JOB No 250/120/3 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 30/6/11 DRILLER R&D Drilling Pty Ltd

| DEPTH (m) | R.L. (m) | AUGER | RQD () % | CORE REC % | SAMPLE | MATERIAL DESCRIPTION | LITHOLOGY | USC | WEATHERING | INTACT STRENGTH | DEFECT SPACING (mm) | GRAPHIC LOG | ADDITIONAL DATA AND TEST RESULTS | SAMPLES | TESTS |
|-----------|----------|-------|-----------|------------|--------|--|-----------|-----|------------|-----------------|---------------------|-------------|----------------------------------|---------|-------|
| | | | | | | | | | | | | | | | |
| 0 | 4.40 | | | | | SAND (Topsoil) Brown, moist, loose. | | | | | | | — Based on Driller's logs only | | |
| 4.10 | | | | | | SANDY CLAY (Residual) Mottled red grey and yellow, moist, stiff. Medium to high plasticity. | | | | | | | | | |
| 1 | | | | | A | Contains minor decomposed plant material in parts; ferruginous iron stained nodules in parts. | | | | | | | 4,5,6 N=11 | SPT | |
| 2 | | | | | B | Becoming grey between 3.0 - 4.5m. Heavily iron stained below 5m. | | | | | | | 4,6,7 N=13 | SPT | |
| 3 | | | | | C | | (Cl-CH) | | | | | | 3,4,6 N=10 | SPT | |
| 4 | | | | | D | | | | | | | | 2,5,5 N=10 | SPT | |
| 5 | | | | | E | | | | | | | | 4,5,7 N=12 | SPT | |
| -1.10 | | | | | | SANDSTONE Fine grained, massive, poorly cemented sedimentary rock mainly comprising sand-sized particles XW: Generally exhibits engineering properties of brown yellow grey, moist, fine grained, dense to mainly very dense, clayey sand. | | | | | | | 11,12,19 N=31 | SPT | |
| 6 | | | | | F | | | | | | | | | | |
| 7 | | | | | G | Minor iron staining throughout. | XW | | | | | | 22,50,50 N>50 | SPT | |
| 8 | -3.75 | | | | H | | | | | | | | 30,50,50 N>50 | SPT | |
| | | | | | | Borehole terminated at 8.15m | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

REMARKS _____

LOGGED BY
LVD/SG