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**Queensland
Government**

Department of
Main Roads

GEOTECHNICAL LOG OF EXCAVATION

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/3-2005

FEATURE No TP1

SHEET 1 of 1

DATE EXCAVATED 16/06/05

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION CLIENT Metropolitan District

LOCATION MC31 near Retaining Wall 10. Adjacent BH28 COORDINATES 29198.6 E; 146976.3 N

PROJECT No FG5404 SURFACE R.L. 25.00 DATUM AHD SYSTEM Ipswich Motorway

JOB No 0405 EQUIPMENT TYPE AND MODEL 5T Excavator BUCKET SIZE

DEPTH (m)	R.L. (m)	METHOD	PENETRATION	LITHOLOGY	USC	WEATHERING	DESCRIPTION	MOISTURE	CONSISTENCY	DENSITY	SAMPLE	ADDITIONAL DATA COMMENTS TEST RESULTS
0	25.00	BUCKET	FAST MED SLOW				SOIL TYPE : grain size, plasticity, colour, structure, secondary components					
0.5	24.10				SM		SILTY SAND Pale brown, fine grained, dry. Trace clay throughout. Varies to Clayey Sand in parts. Contains some fragments of weathered sandstone up to 60mm size.	D	MD		20kg	
1.0	23.60				CI		SANDY CLAY (Residual) Pale brown - grey, minor orange - red iron staining throughout, moist. Varies to slightly cemented Clayey Sand (XW Sandstone) in parts.	M	F		3 x 20kg	PI=35 LL=54 LS=15 WPI = 2626 OMC=16.2% MDD=1.78t/m ³ Emerson Class = 6 CBR
2.0	22.45				XW		SHALE / CLAYEY SANDSTONE Pale brown - grey, minor orange - red iron staining in parts. Exhibits engineering properties of a very dense Clayey Sand and Gravel with gravelly fragments of highly weathered rock throughout. Varies to extremely weathered Clayey Sandstone in parts.	SM	MD-VD		3 x 20kg	PI=16 LL=39 LS=10 WPI = 1103 OMC=18% MDD=1.7t/m ³ Emerson Class = 5 CBR
2.55							Hole terminated at 2.55m					
5.0	20.00											

REMARKS No groundwater encountered during excavation.

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