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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 TP2

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 to BH29 COORDINATES 29272.0 E; 147008.1 N

PROJECT No FG5404 SURFACE R.L. 25.50 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	25.50					SOIL TYPE : grain size, plasticity, colour, structure, secondary components					
0	24.80					CLAYEY SILT / SILTY SAND Pale grey with minor yellow brown iron staining throughout. Contains fragments of highly weathered sandstone up to 60mm size. Possibly becoming extremely weathered sandstone below 0.5m.	SM	MD		20kg	
1						CLAYEY SANDSTONE Pale grey with orange brown iron staining throughout, friable. Exhibits engineering properties of a dense - very dense Clayey Sand and Gravel. Cemented in parts. Contains some interbands of extremely weathered Shale which resembles a very stiff Clay. Becoming less weathered with depth.					
2				XW			M	VD		3 x 20kg	PI=17 LL=30 LS=8 WPI = 1089 (Combined sample) OMC=10.2% MDD=1.99t/m ³ Emerson Class = 6 CBR Emerson Class = 5 (between 1.6 and 2.8m)
2.8	22.70					Hole terminated at 2.8m					
5	20.50										

REMARKS No groundwater encountered during excavation.

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SAMPLED BY PH