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**Queensland  
Government**

Department of  
**Main Roads**

# ENGINEERING BOREHOLE

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

BOREHOLE No    AH37   

SHEET    1    of    1   

REFERENCE No    H9706   

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY INTERCHANGE GEOTECHNICAL INVESTIGATION

LOCATION Retaining Wall 1. About Chainage 982m, 14m left of control MCB1-C. COORDINATES 30275.4 E; 147366.2 N

PROJECT No FG5404 SURFACE R.L. 22.57 DATE STARTED 09/08/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 09/08/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	AUGER	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	EH	EH	EH	EH	EH				
0	22.57					<b>SILTY SAND (Topsoil)</b> Grey.											
22.17						<b>SANDY CLAY (Alluvium)</b> Grey brown with minor iron staining / mottling, low plasticity, moist, stiff.	CL								4,6,8 N=14	SPT	
21.57						<b>CLAYEY SAND (Alluvium)</b> Light grey, fine grained, moist, medium dense to dense. Minor clay content only.	SC-SM								9,22,25 N=47	SPT	
															14,11,13 N=24	SPT	
20.07															5,6,9 N=15	SPT	
						<b>CLAYEY SANDSTONE</b> Grey with orange yellow iron staining, fine to medium grained, very low strength. Coarse grained in parts.	XW								8,13,18 N=31	SPT	
						Exhibits engineering properties of medium dense - dense Clayey Sand. Varies to very stiff Sandy Clay in parts.									6,11,9 N=20	SPT	
															6,7,9 N=16	SPT	
															5,8,14 N=22	SPT	
18.12						Borehole terminated at 4.45m											
5																	
6																	
7																	
8																	
9																	
10																	

REMARKS No standing groundwater encountered at time of drilling.

LOGGED BY  
**J. Kleindienst**