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ENGINEERING BOREHOLE

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

BOREHOLE No	<u>BH33</u>
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	<u>H9737</u>

ROJECT				<u>RWAY / LOGAN MOTORWAY GEOTECHNICAL I</u>						
				Abutment B, Approximate Chainage 12618m, 25					DORDINATES28845.9 E; 146981.1 N	
PROJECT No <u>FG5404</u>						DATE STARTE				way
B No	<u>148/</u>	<u>17A/57</u>		DATUM <u>_AHD</u>	DAT	E COMPLETE	D <u>25/08</u>	<u>8/05</u>	DRILLER <u>Drillsure</u>	
R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	1	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING		DEFECT SPACING (mm) 0000000000000000000000000000000000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES
4.90				SILTY GRAVEL (Topsoil) SILTY CLAY (Alluvium) Very dark grey, moist, stiff, low to medium plasticity, contains some minor organic matter.	CL				2,4,5 N=9	,
				SILTY CLAY (Alluvium) Grey brown with a little iron staining, moist, stiff, low to medium plasticity.	CL				2,4,5 N=9	
2.20				CANDOTONIC					3,5.6 N=11	
				SANDSTONE Greyish yellow, slightly moist. Exhibits engineering properties of a very dense Clayey Sand.	XW- HW				30/120mm N>50	
0.80		(76)		Grey, with minor pale yellow iron staining, fine grained, becoming medium to coarse grained below 8.45m, bedding subhorizontal to 20°. Defects mainily drilling induced bedding plane partings. Several 'healed' planar joints. Generally medium strength, with some minor very low strength HW mudstone bands	,				ls(50)=0.02 MPa ls(50)=0.48 MPa - Jt 70° healed. - Jt 60° healed.	
		<u>100</u> (76)			MW				HW mudstone. Is(50)=0.87 MPa Is(50)=0.78 MPa Is(50)=0.28 MPa Is(50)=0.28 MPa HW mudstone.	
0 REMARKS	See	L Additiona	al Des	criptive Coding sheet for abbreviations.					LOGGED BY J. Kleindienst	

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ENGINEERING BOREHOLE

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

BOREHOLE No	<u>BH33</u>
SHEET	_2_ of _2_
REFERENCE No	<u>H9737</u>

PRO	JECT	<u>IPSV</u>	VICH MO		RWAY / LOGAN MOTORWAY GEOTECHNICAL		STIC	ATION				
LOC	ATION	<u>Woo</u>	Woogaroo Creek. Abutment B, Approximate Chainage 12618m, 25m right of Control MC20.						CC	COORDINATES		
PROJECT No		_FG5404			SURFACE R.L7.40 DATE STARTED _25/08/09		/05	DATUM _lpswich_Motorway				
JOB	JOB No		17 <u>A/57</u>		DATUM <u>AHD</u>						DRILLER <u>Drillsure</u>	
DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	JSC	STI HH	NTACT RENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
- 10	-2.60		REC %	0,	Sandstone Cont'd.			<u>.</u>		0	Red ferruginous band.	
	-3.11				As above.	MW	· · ·				HW mudstone clayey.	_
- - - - 11 - -					Light grey, medium to coarse grained, bedding ~20°, very few defects, some minor coal laminations.						Is(50)=2.48 MPa - Jt, sub horizontal, minor Fest.	x o
					Generally high strength, except for very low strength clayey XW mudstone band.	sw					ls(50)=2.77 MPa ls(50)=2.42 MPa - Coaly lamination 3mm thick.	x
- 12							· · ·				Jt, rough, some clay Is(50)=1.66 MPa infill. Is(50)=1.59 MPa	x
-	-5.20		100				• •				Numerous coal laminations.	-
ENGINEERING BOREHOLE FG5404 - BOREHOLES.GPJ QLD MAIN ROADS.GDT 16/11/05 C C C C C C C C C C C C C C C C C C C												
RI	EMARKS	See /	Additiona	I Des	criptive Coding sheet for abbreviations.						_ LOGGED BY J. Kleindienst	

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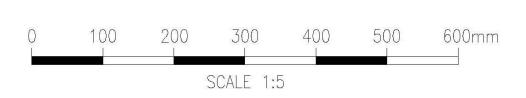
<u>Ipswich Motorway / Logan Motorway Interchange</u> BH33

Project:

Borehole No: Start Depth: Finish Depth: Project No: H No:

6.60m 12.60m FG5404 9737





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