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ENGINEERING BOREHOLE LOG

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

BOREHOLE No	<u>BH02</u>
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	-----

PROJECT EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION
 LOCATION Abutment A - RHS (Ch.83866.225) COORDINATES 260956.8 E; 7380636.3 N
 PROJECT No FG5934 SURFACE R.L. 7.44m PLUNGE _____ DATE STARTED 16/8/11 GRID DATUM MGA94 Zone 56
 JOB No 258/10E/1 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 16/8/11 DRILLER Saxon Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	VI	IV	IV	EL				
0	7.44					Clayey SILT (RESIDUAL) Grey to yellow brown, moist, firm. Medium plasticity; some tree roots.										Upper area based on Driller's log only		
1					A		(ML)										2,2,3 N=5	SPT
2	5.24					SILTSTONE Fine grained, thinly laminated, sedimentary rock XW: Generally exhibits the engineering properties of yellow brown to grey, moist, hard clayey silt. Low plasticity; some HW rock kernels.		XW									30/80mm N>50	SPT
3	3.84					SANDSTONE Fine grained, mainly massive, poorly cemented sedimentary rock MW: Grey to slightly brown, fine grained, massive, medium to high strength. Defects: - Lamination partings @ 15-25° (8/m) - Joints @ 30-45° (5/m) - Joints @ 60-70° (2/m) Defect surfaces are generally planar, rough, open, iron stained.											HB N>50	SPT
4			(31)														Is(50) = 0.79MPa Is(50) = 1.02MPa	o o
5			100 (25)														21.0MPa	UCS
6						Becoming grey to dark brown, thin siltstone interbeds.		MW								CLy seam, 30°, 10mm CLy seam, 15°, 60mm		
7			100 (6)													CLy seam, 40°, 10mm		
8			100 (16)														Is(50) = 1.42MPa Is(50) = 0.56MPa	x o
9			100 (20)			Becoming black to dark grey, fine to medium grained.		HW										
10						Very thin siltstone interbeds. Numerous closely spaced lamination partings (35°)		MW										

REMARKS Failures may have been taken place along pre-existing defect plains

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ENGINEERING BOREHOLE LOG

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BOREHOLE No BH02
 SHEET 2 of 2
 REFERENCE No

PROJECT EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION
 LOCATION Abutment A - RHS (Ch.83866.225) COORDINATES 260956.8 E; 7380636.3 N
 PROJECT No FG5934 SURFACE R.L. 7.44m PLUNGE DATE STARTED 16/8/11 GRID DATUM MGA94 Zone 56
 JOB No 258/10E/1 HEIGHT DATUM AHD BEARING DATE COMPLETED 16/8/11 DRILLER Saxon Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-2.57					SANDSTONE							Piezocene observation well tip at 10.0m	
	2.67		100			MW: (Cont'd) Borehole terminated at 10.1m								
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

REMARKS Failures may have been taken place along pre-existing defect plains

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Project: **EIGHT MILE CREEK BRIDGE (ABUTMENT A)**

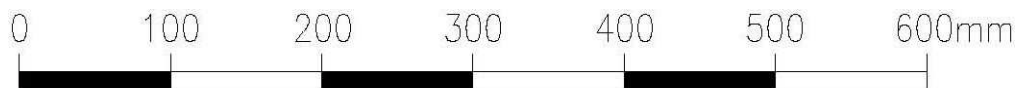
Borehole No: **BH2**

Start Depth: 3.60m

Finish Depth: 10.10m

Project No: FG5934

H No:



SCALE 1:5

F:GEOT043/1