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ENGINEERING BOREHOLE LOG

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

BOREHOLE No	<u>_BH136</u>
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	<u>H10938</u>

PROJ	ECT	<u>_WA</u>	LKERST	<u>on e</u>	<u>BYPASS PROJECT GEOTECHNICAL INVESTIGA</u>	<u>tion</u>	- BERGMAN	<u>NS ROAE</u>	<u>OVE</u>	RPASS			
LOCA	TION	Abutment A - RHS (Ch.74518.1, 23.4m R of Control Line) COORDINATE							<u>711766</u>	6.6 E; 7655436.	<u>4 N </u>		
PROJ	ECT No	o_ <u>FG5635</u> SURFACE R.L <u>32.49m</u> PLUNGE <u>-90 °</u> DATE STARTED_ <u>21/11/10</u> GR					<u>10</u> GRI	D DATUM					
JOB N	No	<u>242</u>	/ <u>33B/6</u>		HEIGHT DATUM <u>AHD</u> BEARING		DATE COM	IPLETED	21/11/	10	DRILLER	Drillsure Pty L	<u>_td</u>
DEPTH (m)	R.L. (m)	JGER SING DCK ROLLER	חאורו	SAMPLE	MATERIAL DESCRIPTION	SC EATHERING	INTACT STRENGTH ₩₩±₩±₩±₩±₩	DEFECT SPACING (mm)	GRAPHIC LOG		DITIONAL I AND EST RESU		SAMPLES TESTS
0	32.49		REC %	SA		USC			В	1			SA
	31.59				Silty GRAVEL (RESIDUAL) Dark grey, moist to wet. Gravel sizing <26.5mm.	(GP				-Based on E	Driller's logs o	only	-
		Ιh		Α	VOLCANICLASTIC SANDSTONE			· · · ·				30/100mm N>50	SPT
	30.69				Fine to medium grained, predominately massi crystalline, sedimentary rock. HW: Grey, moist, hard sandy silt gradually grading into extremely low to mainly low strength rock with depth.	HW					le (50) = 1.38MPa	-
-2		Τ	(46)		SW: Grey, fine to medium grained, indurated.	sw	· · ·					50) = 1.50MPa 50) = 1.51MPa	x 0
Ē			100		generally very high to extremely high strength.	MW SW				⊐–CLy seam,	60mm, 10°		
			(96)		Heavily altered (sericite), relict bedding @ 10-20°, occasionally thinly laminated. Defects:	MW					ls(50) = 0.38MPa	0 -
					- Bedding @ 10-20° (4/m) - Joints @ 40-90° (1-2/m) Defects are generally planar, smooth and closed							50) = 7.26MPa 50) = 4.68MPa	x - 0
			100 (84)		to open.			· · · · · · · · · · · · · · · · · · ·			ls(ls(50) = 6.61MPa 50) = 4.12MPa	x 0 -
]– CLy BZ			-
5-			100									0) = 14.37MPa 50) = 3.40MPa	x o
			(100)					 4 4			- (
			100			sw						0) = 10.90MPa 50) = 7.27MPa	x o
			(91)										-
								• •					
			(94)								ls(50) = 5.45MPa	- 0
											ls(5	0) = 13.24MPa	x -
10			100										
RE	EMARKS	3 <u> </u>									I	LOGGED BY ME / AD	

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ENGINEERING BOREHOLE LOG

BOREHOLE No	BH136
SHEET	_2_ of _2_
REFERENCE No	<u>H10938</u>

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

PROJECT WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BERGMANS ROAD OVERPASS								
LOCATION								DORDINATES 711766.6 E; 7655436.4 N
PROJECT No	0 <u>FG5635</u> SURFACE R.L. <u>32.49m</u> PLUNGE <u>-90</u> DATE STARTED <u>21/11/10</u>							I/10 GRID DATUM
JOB No	242/3	3 <u>B/6</u>		HEIGHT DATUM <u>AHD</u> BEARING		DATE COMPLETED	I/10 DRILLER Drillsure Pty Ltd	
(m) (m) HLdad	JGER ASING DCK ROLLE DRE DRILLL	RQD ()%	SAMPLE	MATERIAL DESCRIPTION	USC	INTACT DEFECT STRENGTH SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS
10 22.49		REC %	Š	VOLCANICLASTIC SANDSTONE	⊃ ≤		U U	ls(50) = 9.67MPa x
-				SW: (Cont'd)	SW	,		Is(50) = 7.96MPa o
21.79	_	100		Borehole terminated at 10.7m	-	· · · · · · · · · · · · · · · · · · ·		
21.79 21.79 21.79 21.79 21.79 21.79 21.79 21.79 21.79 21.79 20 20		100		Borehole terminated at 10.7m				

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REMARKS

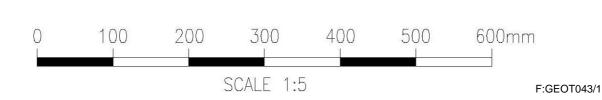
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Project: Walkerston Bypass Bergman Rd

Borehole No: BH136 Start Depth: Finish Depth: Project No: H No:

1.80m 10.70m FG5635





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