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Pier 1, LHS

REMARKS _______

PROJECT

LOCATION

ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>_BH103</u>
SHEET	<u>1</u> of <u>3</u>
REFERENCE No	<u>H10882</u>

COORDINATES 718745.1 E; 7655043.3 N

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JA

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

WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE

B No			HEIGHT DATUM <u>AHD</u> BEARING			DATE COMPLETED	27/10	0/10 DRILLER <u>Drillsure Pty I</u>	<u>Ltd</u>
R.L. (m) SNRJCH 2800 SNRJCH 28000 SNRJCH 2800 SNRJCH 2800 SNRJCH 2800 SNRJCH 2800 SNRJCH 2	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION TOPSOIL Grey, Ioamy Silty SAND (ALLUVIAL)	ГІТНОГОСУ		INTACT DEFECT STRENGTH SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	CAMDI EC
5.45			Mottled light brown, moist, medium to coarse grained.		(SN)	 	Based on Driller's logs only	
		A	Sandy Silty CLAY (ALLUVIAL) Dark brown mottled, moist to wet, soft to firm. Medium to high plasticity; fine grained sand; occasional clayey sand bands.		(CH			2,2,3 N=5	
2.85		В	Clayey SAND (ALLUVIUM)				+	2,2,2 N=4	
		С	Palé brown, moist dense tó very dense. Medium to coarse grained sand; basal alluvial layer. Becoming gravelly sand from 4.0 to 4.08m.		(SC			30/80mm N>50	
0.65		D	GRANODIORITE Intrusive, coarse grained, massive, crystalline, acidic igneous rock XW: Generally exhibits engineering properties of grey-mottled brown, moist, mainly very stiff sandy clayey silt.					12,15,16 N=31	
		E			xw			6,9,11 N=20	
0		F						7,12,17 N=29	:

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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010
 BOREHOLE No

 SHEET
 _2_____ of ______

 REFERENCE No

WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE PROJECT COORDINATES 718745.1 E; 7655043.3 N I OCATION Pier 1, LHS PROJECT No FG5635 SURFACE R.L. <u>6.45m</u> PLUNGE ____ DATE STARTED 27/10/10 GRID DATUM MGA94 Zone 55 JOB No HEIGHT DATUM _AHD __ BEARING _ _ DATE COMPLETED _27/10/10_ DRILLER Drillsure Pty Ltd R.L. RQD INTACT DEFECT BORING ADDITIONAL DATA ()% STRENGTH SPACING (m) STRENGTH MEATHERING HHHHHHHHHHHHHHHHHHHHHH LOG DEPTH (m) MATERIAL (mm) LITHOLOGY GRAPHIC ß AUGER CASING CASING CORE DR CORE DR SAMPLE DESCRIPTION TESTS SAMPLI CORE TEST RESULTS nsc REC % 10 1111 GRANODIORITE 7,11,12 G SPT XW: (Cont'd) N=23 хw -4.65 GRANODIORITE HW: Brown-pale grey and mottled red, moist, occasionally dense to very dense gravelly silty sand. 12,20,27 н SPT N=47 Subrounded gravel <30mm. 12 LIB_01A.GLB_Log_A_ENGINEERING BOREHOLE LOG W LITHOLOGY BAKERS FG8635- WALKERSTON BYPASS.GFJ < <- DrawngFile>> Datgel CPT Tool glNt Add-in 01/09/20/11 4:54 13 13.0m: Minor stratification and interbeds of 19,30/120mm,30/100mm J SPT soft and hard, partly cemented throughout. N>50 + 14 10,12,15 κ SPT N=27 - 15 HW 16 13,21,30 L SPT N>50 17 27,30/100mm Μ SPT N>50 18 19 23,30/120mm Ν SPT N>50 19.45m: Becoming sandy gravel, less silt. DMR LOGGED BY REMARKS_ JA

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<u>Pier 1, LHS</u>

PROJECT

LOCATION

ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>BH103</u>
SHEET	<u>3</u> of <u>3</u>
REFERENCE No	<u>H10882</u>

COORDINATES 718745.1 E; 7655043.3 N

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

WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE

PROJECT No		35		SURFACE R.L6.45m_ PLUNGE			DATE STARTED	27/10	0/10 GRID DATUM MGA94 Zone	<u>55</u>
JOB No				HEIGHT DATUM <u>AHD</u> BEARING			DATE COMPLETED	27/10	0/10 DRILLER <u>Drillsure Pty Lt</u>	.td
(E) HE BO 20 -13.55	AUGER CASING WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	ГІТНОГОСУ	USC WFATHFRING	INTACT DEFECT STRENGTH SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
-			-					-		
			P	HW: (Cont'd)					30/80mm N>50	SPT
				Becoming very low strength rock with depth.						- - - - - - - - - - - - - -
			Q			HW			30/100mm - N>50 -	SPT
CEGESS WALKERSTON BYPASS GPJ 4-01092011114:54									— Blade bit refusal	-
01 - 		(0)	R						30/100mm N>50	SPT
<ad_202< td=""><td></td><td>(0) <u>100</u> (74)</td><td></td><td>GRANODIORITE MW: Pale brown-grey, coarse grained, massive, high to mainly very high strength.</td><td></td><td>MW</td><td></td><td></td><td>ls(50) = 9.01MPa ls(50) = 5.38MPa</td><td>x 0</td></ad_202<>		(0) <u>100</u> (74)		GRANODIORITE MW: Pale brown-grey, coarse grained, massive, high to mainly very high strength.		MW			ls(50) = 9.01MPa ls(50) = 5.38MPa	x 0
-18.23 				Defects: - Joints @ 10° (<10/m) GRANODIORITE SW: Pale grey with pink and black					- — — — — — — — — Is(50) = 3.58MPa - Is(50) = 2.65MPa — Contact @ 60° UCS = 96.1 MPa	0 X
VALKERSTON F		100		speckles, coarse grained, high strength. BASALT Extrusive, fine grained, massive, crystalling basic igneous rock	∍,				Is(50) = 5.96MPa Is(50) = 0.57MPa	x . o
		(100)		SW: Dark grey, fine grained, massive, mainly high to very high strength. Defects:		sw sw			— Contact @ 70° Is(50) = 5.49MPa Is(50) = 1.64MPa	x - 0
× -20.25		100		- Joints @ 10° (1/m) - Joints @ 30 - 40° (1-2/m) Defect surfaces are generally smooth, open, planar, clean or iron stained.		SW			Is(50) = 1.01MPa Is(50) = 1.64MPa	X
одр Дик Гив 014 GLB 014 А. ENGINEERING BOREHOLE LOGW LITHOLOGY BAKERS				GRANODIORITE SW: Pale grey with pink and black speckles, coarse grained, very high strength.						- - - - -
28 - 28 28 				Borehole terminated at 26.95m						- - - - -
U										
										- - - -

REMARKS_____

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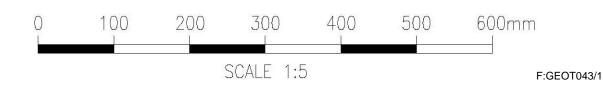
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Project: Walkerston Bypass Bakers Ck Bridge

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

BH103 23.95m 26.95 m FG5635 H10882





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