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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH104
 SHEET 1 of 3
 REFERENCE No H10893

PROJECT WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE
 LOCATION Pier 1, Centreline COORDINATES 718749.7 E; 7655033.9 N
 PROJECT No FG5635 SURFACE R.L. 6.69m PLUNGE _____ DATE STARTED 26/10/10 GRID DATUM MGA94 Zone 55
 JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 26/10/10 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	WEATHERING						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								USC	EH	VH	TH	W	J				
0	6.69					SILT (ALLUVIAL) Mottled grey, moist, soft. Some organics throughout.	(MH)									Based on Driller's logs only	
1	5.69				A	Clayey SILT (ALLUVIAL) Dark brown-grey, moist, soft to firm. High plasticity; occasional fine grained sand; trace of organics. Becoming sandy at 2.0m.	(MH)										1,2,2 N=4 SPT
3	3.39				B												3,4,4 N=8 SPT
4					C	Gravelly SAND (ALLUVIUM) Pale grey, moist, dense to very dense. Medium to coarse grained sand, basal alluvium.	(SP)										30/100mm N>50 SPT
6	0.99				D	GRANODIORITE Intrusive, coarse grained, massive, crystalline, acidic igneous rock XW: Generally exhibits the engineering properties of pale brown, moist, very stiff to mainly hard, sandy clayey silt. Occasional fine gravels <10mm and iron cemented nodules <20mm.											13,14,18 N=32 SPT
7					E	Minor organics on upper area.	XW										9,13,17 N=30 SPT
9					F												10,16,22 N=38 SPT

REMARKS _____

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BOREHOLE No BH104
SHEET 2 of 3
REFERENCE No H10893

PROJECT WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE
LOCATION Pier 1, Centreline COORDINATES 718749.7 E; 7655033.9 N
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DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	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	IV	IM	J	VL				
10	-3.31				G	GRANODIORITE XW: (Cont'd)											3,11,11 N=22	SPT
11							XW											
12	-5.11				H	GRANODIORITE HW: Pale brown, moist, very dense, gravelly silty sand. Subrounded gravel <30mm; occasional gravelly sand, clayey sand and cemented bands.											11,18,26 N=44	SPT
13					J												30,30/100mm N>50	SPT
14																		
15					K												20,22,19 N=41	SPT
16					L	Becoming less silty with depth.											16,23,30 N>50	SPT
17							HW											
18					M												22,30/30mm N>50	SPT
19					N	Some gravel-sized particles around 19.6m.											17,30,30/120mm N>50	SPT
20																		

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BOREHOLE No	<u> BH104 </u>
SHEET	<u> 3 </u> of <u> 3 </u>
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DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	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	I	M	J						VL	EL	20	60	200
20	-13.31					GRANODIORITE HW: (Cont'd)																		
					P																	30/100mm N>50; No recovery	SPT	
21																								
22					Q	Appears to be becoming very low strength rock with depth.			HW													30/50mm N>50	SPT	
23																								
24	-17.51																						Blade bit refusal	
25						Borehole terminated at 24.2m																		
26																								
27																								
28																								
29																								
30																								

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