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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/5-2009

BOREHOLE No ___BH031___

SHEET __1__ of __2__

REFERENCE NO __H10653___

PROJ LOCA		BRUCE HIGHWAY (COORDY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION Cudgerie Drive Underpass COORDINATES 487773.6 E; 7080494.7 N										. — — —
					Jnderpass SURFACE R.L118.04m PLUNGE				TARTED			
JOB N		128/10A/901										
о DEPTH (m)	R.L. (m) 118.04	AUGER CASING CORE DRILLING	RQD ()%	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES
					CLAY Mottled red grey, moist, stiff to very stiff							
-1	117.04		(400)	Α								U50
000 107507 HERMANIBOOI LA 1980 AND THE RESIDENCE			100		SANDSTONE (XW): Pale grey with distinctive orange mottling, fine- coarse grained, some sub angular gravels. Exhibits engineering properties of clayey Sand. 1.0 - 1.75m: Iron cemented. 1.6 - 1.97m: Increase in gravel content (~30%). 3.23 - 3.28m: Increase in gravel content (~20%).		xw					
4	114.54 113.44		79		Poorly Consolidated CONGLOMERATE (XW): Yellow-orange, fine to coarse grained gravels, rounded to sub rounded, high clay content. Exhibits engineering properties of sandy clayey Gravel.		xw					
5			100		SILTSTONE (HW): Pale grey with dark red mottling, very fine grained iron cementing in parts. 4.72 - 4.9m: XW Conglomerate bed. 7.25m: Becoming pale brown with patches of grey. 8.00m: Defects typically wide to very wide							
7			100		spacing. Defects generally 60°, defect surfaces clean.		нw					
-8			100								— Jt, 60°, PI, S, C, Cn	8
10	108.04		100		(See over)						— Rehealed Jt, 65°, Pl, C — Jt, 45°, Pl, S, C, Cn	2
	MARKS										LOGGED BY	
											BW	



ENGINEERING BOREHOLE LOG

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BOREHOLE No BH031

SHEET _2_ of _2_

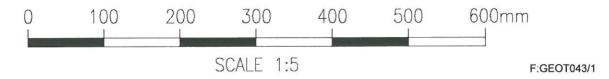
REFERENCE NO _H10653__

	<u>nderpass</u> COORDINATES <u>487773.6 E; 7080494.7 N</u> SURFACE R.L. <u>118.04m</u> PLUNGE DATE STARTED <u>30/11/09</u> GRID DATUM <u>MGA94</u>								
JOB No <u>128/10A/901</u>	HEIGHT DATUM _AHD BEARING	DATE COMPLETED 30/11/09	DRILLER R&D Drilling						
R.L. (m) (1)% (2)% (2)% (2)% (3)% (3)% (4)% (4)% (4)% (4)% (4)% (4)% (4)% (4	MATERIAL DESCRIPTION	THERING (mm) OHIC LOC	AND STEST RESULTS SHAPE STATE						
10 108.04 20 REC %	SILTSTONE (HW): (Cont'd) (As above) Borehole terminated at 12.64m	HW HW	78 H						
-14 15 16 17 18 18 19 19			LOGGED BY BW						

Project: Bruce Hwy Upgrade Cudgerie Drive Underpass

Borehole No: BH 31
Start Depth: 1.00m
Finish Depth: 12.64m
Project No: FG5825
H No: H10653





Project: Bruce Hwy Upgrade Cudgerie Drive Underpass

Borehole No: BH 31
Start Depth: 1.00m
Finish Depth: 12.64m
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