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ENGINEERING BOREHOLE LOG

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

BOREHOLE No	BH099
SHEET	1 of 1
REFERENCE No	H10693

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION
 LOCATION Existing road embankment Elm St Offramp COORDINATES 487342.8 E; 7080736.5 N
 PROJECT No FG5825 SURFACE R.L. 117.40m PLUNGE -90° DATE STARTED 9/3/10 GRID DATUM MGA94
 JOB No 128/10A/901 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 9/3/10 DRILLER R & D Drilling

DEPTH (m)	R.L. (m)	AUGER	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
								UC	WH	CH	SM	LV					EL
0	117.40					ASPHALT											
	117.05				A	Clayey Sandy GRAVEL (Road Base/Sub Base) Mottled brown to red, moist, stiff to very stiff. Gravel is well graded; gravel up to 30mm.	(GW-GC)								MC = 24.4%; PP=248kPa	U100	
	115.90				B	Clayey Silty SAND (Embankment Fill) Pale grey, moist, dense. Occasional minor clayey gravel layers up to 100mm; gravels up to 20mm.									MC = 25.6%; PP=301kPa	U100	
					C		(SW-SM)								MC = 21.8%; PP=340kPa; LL=55.6; PI=32.6; LS=14.4	U100	
					D										MC = 21%; PP=506kPa	U100	
	112.90				E	Sandy CLAY (Embankment Fill) Mottled brown-red, moist, stiff. Occasional gravel.	(CH)								MC = 19.4%; PP=180kPa; LL=46.4; PI=23.0; LS=13.2	U100	
	111.70				F	Sandy CLAY (Alluvial) Dark brown, moist, stiff. Sand fraction is fine grained; occasional wood fragments.	(CH)								MC = 21% LL=27.8; PI=12.2; LS=7.2 MC = 14%	U100	
					G										MC = 15.8% MC = 25.6%	U100	
	110.20				H	Sandy CLAY (Residual) Dark brown, moist, stiff.	(CH)								MC = 21.4%	U100	
	109.90				J	Clayey SAND (Residual) Brown, moist, medium dense to dense. Fine grained. Occasional pale grey silty clay interbeds.	(SC)								PP=225kPa LL=51.2; PI=33.0; LS=17.8 MC = 23.6%; PP=457kPa	U100	
					K										6,8,9 N=17	SPT	
	107.90																
	107.45				L	CLAYSTONE (XW): Properties of pale grey to brown, moist, very stiff, silty clay.	XW								High plasticity; iron cemented nodules	18,12 N=21	SPT

REMARKS PP= Pocket Penetrometer Borehole terminated at 9.95m

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JA