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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No BH138

SHEET 1 of 4

REFERENCE No 12083

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
 LOCATION Fursden Creek Bridge Pier 1; CH: 9091m; COORDINATES 721473.7 E; 7661409.1 N
 PROJECT No FG6184 SURFACE R.L. 6.25m PLUNGE DATE STARTED 3/11/14 GRID DATUM GDA 94 /MGA Zone 55
 JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 6/11/14 DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	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	H	M	J	VL	EL	EC	VC	W	WW	VW	EW			
0	6.25				Clayey SILT (TOPSOIL) Brown, dry, firm.	(ML)																	
0.80	5.45			A	Sandy SILT (ALLUVIUM) Brown, dry, very stiff. Low plasticity. Fine grained sand.	(ML)																6,9,10 N=19	SPT
1.60	4.65			B	SAND (ALLUVIUM) Pale brown, dry to moist, loose. Fine grained sand. Trace silt.																	3,4,4 N=8	SPT
3				C		(SP)																2,3,4 N=7	SPT
4				D	3.70m: Becoming medium dense. Fine to coarse grained sand. Trace fine gravel.																	5,7,7 N=14	SPT
5.60	1.25			E	Gravelly SAND (ALLUVIUM) Brown, moist to wet, medium dense. Fine to coarse grained sand. Fine to medium gravel.	(SW)																4,4,5 N=9	SPT
6				F																		5,6,5 N=11	SPT
6.70	-0.45			G	Sandy GRAVEL (ALLUVIUM) Grey, wet, loose to medium dense. Fine to medium, subrounded gravel. Coarse grained sand.	(GP)																4,3,3 N=6	SPT
8				H																		5,5,11 N=16	SPT
8.90	-2.65			J	SAND (ALLUVIUM) Grey, wet, medium dense. Fine to coarse grained sand. Gravel lenses throughout.	(SW)																8,8,8 N=16	SPT
10.10	-3.75																						

REMARKS Kgwu - Wundaru Granodiorite;
 # Sample failed along existing defect surface.

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ME



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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No BH138

SHEET 2 of 4

REFERENCE No 12083

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1

LOCATION Fursden Creek Bridge Pier 1; CH: 9091m; COORDINATES 721473.7 E; 7661409.1 N

PROJECT No FG6184 SURFACE R.L. 6.25m PLUNGE DATE STARTED 3/11/14 GRID DATUM GDA 94 /MGA Zone 55

JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 6/11/14 DRILLER Saxon Drilling

Table with columns: DEPTH (m), R.L. (m), AUGER CASING WASH BORING CORE DRILLING, RQD (%), CORE REC %, SAMPLE, MATERIAL DESCRIPTION, LITHOLOGY, USC, WEATHERING (EH, VH, H, M, J, VL, EL, EC, VC, W, VV, WW, EW), GRAPHIC LOG, ADDITIONAL DATA AND TEST RESULTS, SAMPLES TESTS. Includes data for samples K-U and SPT test results.

TMR JAN 15.GLB Log_A_ENGINERING BOREHOLE LOG W LITHOLOGY FG6184 - BOREHOLES.GPJ <<DrawingFile>> Datget CPT Tool gInt>Add-In 04/03/2015 10:51

REMARKS Kgwu - Wundaru Granodiorite;

Sample failed along existing defect surface.

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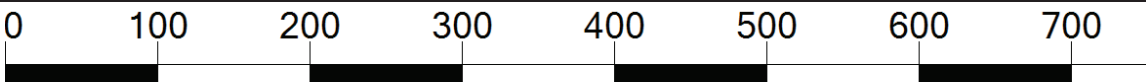
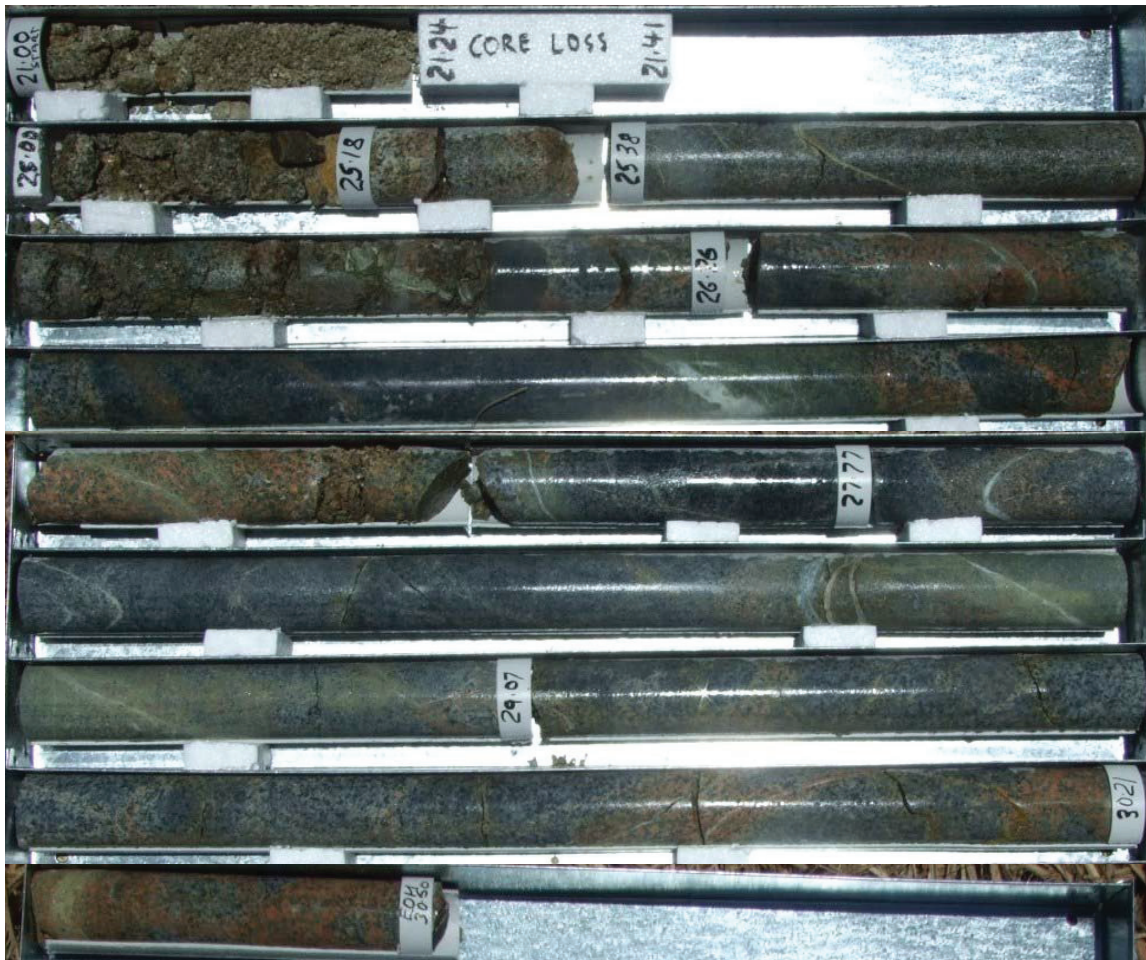
CORE PHOTO LOG

DEPARTMENT OF TRANSPORT & MAIN ROADS
 Geotechnical Branch
 35 Butterfield Street, HERSTON Qld 4006
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Department of
 Transport and Main Roads

Project Name	Mackay – Ring Road		
Project No	FG6184	Date	06/11/14
Borehole No	BH138	TMR H No	12083
Location	Fursden Creek Bridge	Start Depth (m)	21.0
Detail	Pier 1	Finish Depth (m)	30.50
Chainage	9091m	Submitted By	M.Ensor
Remarks			



SCALE 1:5