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Queensland Government

GEOTECHNICAL BOREHOLE LOG

FINAL 17/03/2016

BOREHOLE No BH272

Sheet 1 of 1

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 H12424 REFERENCE No Mackay Ring Road PROJECT COORDINATES 721206.5 E; 7663295.9 N Port Rail Overpass LOCATION SURFACE RL 20.28m DATE STARTED 23/09/2015 FG6184 PLUNGE 90° GRID DATUM GDA 94 / MGA Z55 PROJECT No 242/10G/906 DATE COMPLETED 23/09/2015 DRILLER Saxon Drilling HEIGHT DATUM A.H.D. JOB No BEARING USCS WEATHERING ADDITIONAL DATA AND TEST RESULTS INTACT STRENGTH DEFECT SPACING SAMPLES TESTS LITHOLOGY Ξ SAMPLE DEPTH (RΙ MATERIAL DESCRIPTION CORE REC % ᇁᆂᆂᆂᅬᅿᅿᆿᅟᅴᇛᇰᄓᄫᇂᆘᇂᄪ Silty Clayey SAND (Residual) Pale brown, dry, medium dense to dense. Fine grained sand. SPT 3. 6. 7 (SC) SPT 4, 13, 18 SPT N=12 16.78 3.50m: Total water loss (97) A (3.55m) GRANODIORITE D (3.65m) Is(50)=3.30 MPa SW: Grey, coarse grained, massive, Is(50)=4.90 MPa generally very high to extremely high strength. Silicified, low grade metamorphism. Js: 5° to 20°; (2-3/m); PI/Ro; OP; some Fe St; UCS=34.90 MPa (4.65m) 100 (51) Is(50)=7.90 MPa I (5.60m) Is(50)=2.90 MPa D (6.12m) HW 100 М Is(50)=1.10 MPa A (6.60m) MW 6.80m-7.25m: XW zone; clayey C sand, fine to medium grained XW (25) Is(50)=4.70 MPa A (7.33m) MW 100 UCS=92.90 MPa (8.40m) (100) SW Is(50)=2.70 MPa A (8.73m) Is(50)=8.90 MPa D (8.83m) 11.02 100 Borehole completed at 9.26m REMARKS: Kgwu = Wundaru Granodiorite **LOGGED BY REVIEWED BY** M.Ensor S.Foley TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

CORE PHOTO LOG

DEPARTMENT OF TRANSPORT AND MAIN ROADS Geotechnical Section 35 Butterfield Street, Herston Qld 4006 Phone 07 3066 3336



Project Name	Mackay Ring Road Stage 2		
Project No.	FG 6184	Date	23/09/15
Borehole No.	BH 272	TMR H No.	H12424
Location	Port Rail Overpass Abutment A	Start Depth (m)	3.50
Detail		Finish Depth (m)	9.26
Chainage		Submitted By	BW
Remarks			

