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Queensland Government

GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 FINAL 21/07/2015

BH24

Sheet 1 of 2

BOREHOLE No

H12288 REFERENCE No

Veloway 1 Stage E: Birdwood to Gaza Road PROJECT Gaza Rd Overpass COORDINATES 505713.4 E; 6954380.0 N LOCATION GRID DATUM MGA94 Zone 56 FG6253 SURFACE RL 32.80m PLUNGE 90° DATE STARTED 22/06/2015 PROJECT No DRILLER North Coast Drilling 201/C001/4 DATE COMPLETED 23/06/2015 JOB No HEIGHT DATUM AHD BEARING S USCS WEATHERING ADDITIONAL DATA INTACT DEFECT SPACING SAMPLES TESTS LITHOLOGY AND TEST RESULTS SAMPLE STRENGTH RΙ MATERIAL DESCRIPTION CORE REC % ᅾᆍᆂᆂᄝᅼᅿᅖᆝᇛᇰᆟᇎᇂᆘᇰᇕ Clayey Silty SAND (Topsoil) (ML 32.60 Park brown. Organic content. Clayey Gravelly SAND (Alluvium) (SP) Brown, moist, loose to medium dense. 31.80 Fine to coarse grained. 4, 5, 8 N=13 Sandy CLAY (Alluvium) SPT Grey brown, moist, stiff. Fine grained sand. Trace gravel. (CI) 3, 4, 5 N=9 Becoming dark brown, moist to В SPT 28.80 3, 5, 6 Clayey Sandy GRAVEL (Alluvium) С SPT Pale brown to brown, wet, medium dense. Fine grained sand and gravel. (GP) 27.30 4, 7, 13 N=20 Sandy GRAVEL (Alluvium) D SPT Brown mottled white, grey and red, wet, medium dense. Fine grained. Gravel is angular. (GP) 25.80 9, 16, 21 N=37 Gravelly Sandy CLAY (Residual) SPT (CL) Grey, wet, hard. 25.30 Fine to medium grained. ARGILLITE (Dcf) (0) XW: Recovered as a dark grey to light grey, fine grained, hard, Sandy 8.00m-8.17m: Greywacke interbed, XW CLAY. 40m-8.50m: Qz Vn 24.30 100 8.40m-6.55m: BZ DI METAGREYWACKE (Dcf) _____ 8.65m-8.90m: J, 85°, Un/Ro, FD, Gravel. HW: Brown, fine to medium HW grained, weakly foliated, low 9.10m-9.20m: BZ 23.60 100 strength. Defects: -J's: 5°-20° (8-10/ XW (0) m), PI/Ro, TI, FeSt, Cly Vr METAGREYWACKE (Dcf) MW MW: Grey brown, fine to medium grained, weakly foliated, low to Continued on next sheet **REMARKS:** Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental **LOGGED BY REVIEWED BY** testing. T.Goosey S.Foley TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE S

FINAL 21/07/2015 **GEOTECHNICAL BH24** BOREHOLE No **Queensland** Government **BOREHOLE LOG** Sheet 2 of 2 FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 H12288 REFERENCE No Veloway 1 Stage E: Birdwood to Gaza Road PROJECT Gaza Rd Overpass COORDINATES 505713.4 E; 6954380.0 N LOCATION FG6253 SURFACE RL 32.80m PLUNGE 90° DATE STARTED 22/06/2015 GRID DATUM MGA94 Zone 56 PROJECT No 201/C001/4 DATE COMPLETED 23/06/2015 DRILLER North Coast Drilling JOB No HEIGHT DATUM AHD BEARING ° USCS WEATHERING RQD ADDITIONAL DATA INTACT DEFECT SPACING SAMPLES TESTS LITHOLOGY AND TEST RESULTS SAMPLE STRENGTH RΙ DEPTH MATERIAL DESCRIPTION CORE REC % ᇳᆂᆂᄝᅩᄀᅿᆿᇛᇬᇬᄝᇂᇂᇕ 100 10.10m-10.22m: XW Cly BZ medium strength. FeSt in parts. (61) Defects: J's: 10°-20° (5/m), Pl/Sm, TI, FeSt, ¢ly Vr Cont'd 10.80m-11.25m: Crenulated Qz Vn's <2cm thick. MW: ARGILLITE SW: Dark grey, fine grained, foliated, SW Is(50)=0.64 MPa Is(50)=0.29 MPa A (11.53m) medium to high strength. (35) Crenulated Qz veins throughout. ¬ 11.85m-11.93m: HFZ Defects:

-FP: 50°-60° (3/m), PI/Ro, TI, FeSt -J's: 10°-25° (3-4/m), PI/Ro-Sm, TI, FeSt 12.46m: J, 70°, Un/Ro, TI, FeSt 20.20 100 Borehole completed at 12.60m 15 16

19

REMARKS: Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental **LOGGED BY REVIEWED BY** testing. S.Foley T.Goosey

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

CORE PHOTO LOG

DEPARTMENT OF TRANSPORT & MAIN ROADS Geotechnical Branch 35 Butterfield Street, HERSTON Qld 4006 Phone 07 3066 3336



Project Name	Veloway (V1), Section E: Birdwood to Gaza Road		
Project No	FG6253	Date	23/06/15
Borehole No	BH 24	TMR H No	12288
Location	Gaza Rd Overpass	Start Depth (m)	7.6
Detail		Finish Depth (m)	13.6
Chainage		Submitted By	TJG
Remarks			

