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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH28**

Sheet 1 of 1

REFERENCE No **H12291**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road		
LOCATION	M3 Offramp Overpass	COORDINATES 505719.4 E; 6954287.4 N	
PROJECT No	FG6253	SURFACE RL 35.85m	PLUNGE 90°
			DATE STARTED 01/07/2015
			GRID DATUM MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 02/07/2015
			DRILLER North Coast Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH		DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	VH	H	M		
35.55					Silty SAND (Topsoil) Dark grey, moist, fine to coarse grained. Trace gravel.	(SM)							
34.85					Sandy SILT (Residual) Brown, moist, fine grained, firm. Trace gravel.	(ML)						7, 3, 4 N=7	SPT
				A	Sandy CLAY (Residual) Dark brown, moist, firm. Low plasticity. Trace gravel. Fine grained sand.	(CL)							
				B	Clay fraction decreasing. Becoming wet, medium plasticity.							6, 30/100mm hb	SPT
33.15					METAGREYWACKE (Dcf) XW: Recovered as grey, wet, fine to medium grained, very dense, Silty SAND.	XW						15, 18, 30/110 hb	SPT
				C								30/60mm hb	SPT
29.85				(19)	METAGREYWACKE (Dcf) MW: Brown grey, fine to medium grained, weakly foliated, medium to high strength. Highly fractured. Defects: -FP's: 40°-50° (3/m), Pl/Sm-Ro, TI, FeSt, some Cly Vr. -J's: 10°-20° (4-5/m), Pl/Ro, TI, Cly vr or Cly FD. -J's: 70°-80° (2-/m), Pl/Ro, TI, FeSt, Cly Vr.	MW						Is(50)=1.50 MPa	D (6.30m)
				100 (0)									
				100 (0)									
27.50				100 (0)	ARGILLITE (Dcf) MW: Dark grey, fine grained, foliated, medium strength. Highly fractured. Defects: -FP's: 70°-80° (5/m), Pl/Ro-Sm, TI, FeSt, some Cly Vr.	MW							
26.85				100									

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

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	Velway (V1), Section E: Birdwood to Gaza Road		
Project No	FG6253	Date	02/07/15
Borehole No	BH 28	TMR H No	12291
Location	M3 Offramp Overpass	Start Depth (m)	6.0
Detail		Finish Depth (m)	9.0
Chainage		Submitted By	TJG
Remarks			

