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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH16**

Sheet 1 of 1

REFERENCE No **H12204**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road				
LOCATION	Bridge over Steculia Avenue			COORDINATES 505598.3 E; 6955006.2 N	
PROJECT No	FG6253	SURFACE RL	24.60m	PLUNGE	90°
				DATE STARTED	17/06/2015
				GRID DATUM	MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	17/06/2015
				DRILLER	North Coast Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CONE 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 J VI EI
24.45					CONCRETE							
1	23.52		(37)		Clayey Sandy GRAVEL (Fill) Brown, wet. Sand and Gravel is fine grained.	(GC)						
2	23.00		100 (17)		CONCRETE					30/80mm hb	SPT	
					METAGREYWACKE (Dcf) MW: Brown grey, fine grained, weakly foliated, high to very high strength.	MW	VH	C		1.57m-1.63m: BZ DI 1.63m-1.70m: BZ Cly Infill 1.70m: J, 75° Pl/Ro, TI, Cly Vr 1.95m: J, 45°, Pl/Sm, F, Cly Ct	Is(50)=4.30 MPa Is(50)=3.10 MPa	D (1.80m) A (1.85m)
3					Defects: J's: 10°-20° (5/m), Pl/Ro, TI, Cly Vr, FeSt J's/FP: 50°-75° (2/m), Pl/Ro, TI, Cly Vr, FeSt	HW XW	H-VH	C		2.40m-2.51m: XW Zone, Cly Infill		
4			100 (48)		From 2.88-3.33m: Argillite Interbed, dark grey, foliated, 85°	MW	H	C		3.45m: Qz Vn, 80°		
						HW MW HW	MH	C		4.10m: Qz Vn, 65°	Is(50)=3.50 MPa Is(50)=2.80 MPa	D (3.90m) A (4.00m)
5	19.80		100		Borehole completed at 4.80m		H-VH	C				

REMARKS: Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental testing.	LOGGED BY	REVIEWED BY
	TJG	SF

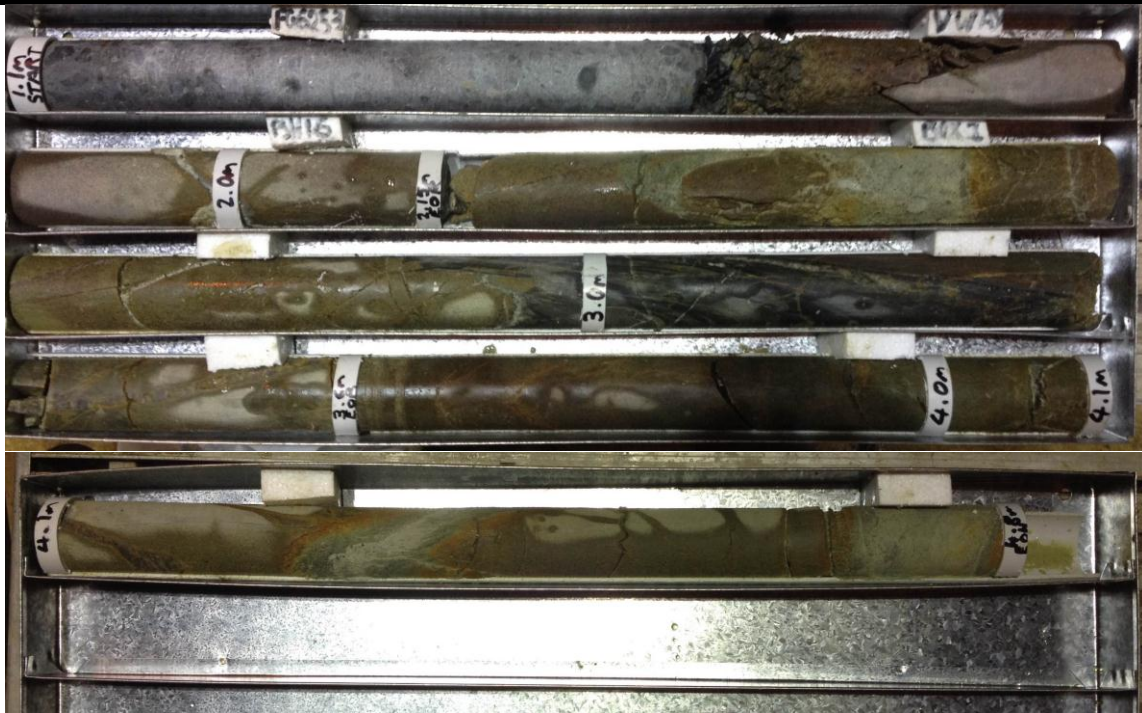
CORE PHOTO LOG

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	17/03/15
Borehole No	BH16	TMR H No	12204
Location	Bridge over Sterculia Avenue	Start Depth (m)	1.1
Detail		Finish Depth (m)	4.8
Chainage		Submitted By	TJG
Remarks			



SCALE 1:5