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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH27**

Sheet 1 of 2

REFERENCE No **H12290**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road		
LOCATION	M3 Offramp Overpass	COORDINATES 505721.5 E; 6954306.0 N	
PROJECT No	FG6253	SURFACE RL 34.51m	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	J	VI	EU	EC	VC	C			M
34.31					Sandy SILT (Topsoil)		(ML)													
34.01					Dark brown, dry, fine grained, rootlets and organic material.		(SP)													
33.51					Silty Gravelly SAND (Alluvium)		(ML)													
				A	Grey, dry, fine to coarse grained. Sandy SILT (Alluvium)														6, 8, 9	SPT
					Brown, dry, fine grained, stiff. Trace gravel.														N=17	
				B	Sandy CLAY (Alluvium)		(CI)												4, 7, 9	SPT
					Grey brown, moist, very stiff. Fine grained sand.														N=16	
					Becoming wet.															
30.51				C	Clayey SAND (Residual)		(SC)												4, 6, 11	SPT
					Brown, red, grey, wet, medium dense. Fine to medium grained.														N=17	
28.81				D	Becoming Gravelly Clayey SAND. Very dense.														9, 30/140mm	SPT
					METAGREYWACKE (Dcf)		XW												hb	
					XW: Recovered as a grey, fine to medium grained, wet, very dense, Clayey SAND															
27.41				(0)	ARGILLITE (Dcf)		MW												30/50mm	SPT
				100	MW: Dark grey, fine grained, weakly foliated, medium strength. Highly fractured.														hb	
26.51				(0)	-FP: 30°-40° (4-5/m), Pl/Ro, TI, FeSt, some Cly Vr.															
				100	-J's: 10°-15° (2-3/m), Pl/Ro, TI, FeSt, some Cly Vr.															
				(54)	METAGREYWACKE (Dcf)		MW													
					MW: Grey, fine to medium grained, weakly foliated, medium to mainly high strength.															
					Defects: -FP: 40°-45° (2-3/m), Pl/Ro, TI, FeSt, some Cly Vr.		XW													
				100	-J's: 20°-30° (3-4/m), Pl/Ro, TI, FeSt, Cly Vr.		MW													
24.51				(66)																

Continued on next sheet

REMARKS: Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental testing.

LOGGED BY	REVIEWED BY
T.Goosey	S.Foley



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Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH27**

Sheet 2 of 2

REFERENCE No **H12290**

PROJECT Velway 1 Stage E: Birdwood to Gaza Road
 LOCATION M3 Offramp Overpass COORDINATES 505721.5 E; 6954306.0 N
 PROJECT No FG6253 SURFACE RL 34.51m 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)	FAUGER 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	L	VI				EL
24.41			100		J's: 60°-80° (2/m), Pl-Un/Sm-Ro, TI, some FeSt. METAGREYWACKE (Dcf) MW: Cont'd. Borehole completed at 10.10m										Is(50)=1.10 MPa	D (10.05m)	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	

REMARKS: Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental testing.

LOGGED BY	REVIEWED BY
T.Goosey	S.Foley

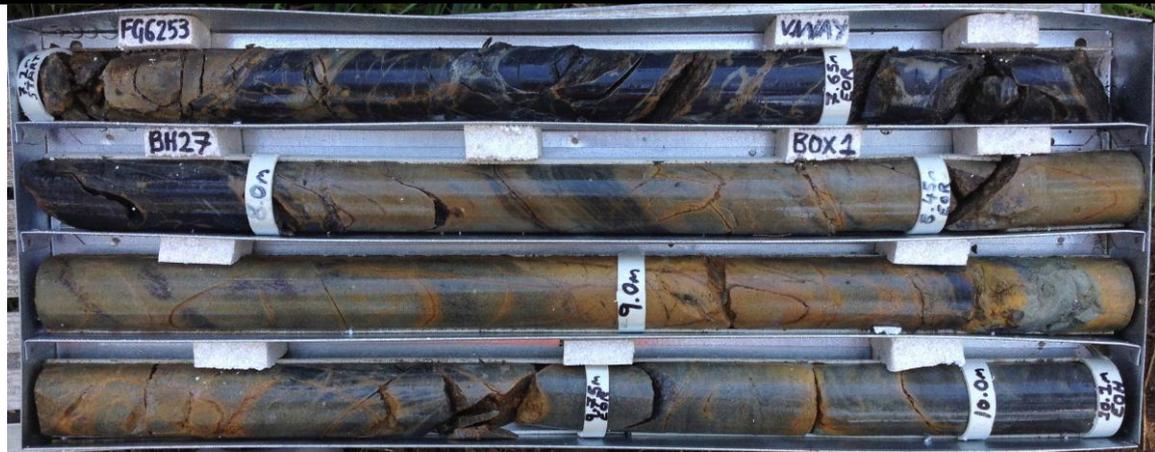
CORE PHOTO LOG

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



Department of
 Transport and Main Roads

Project Name	Veloway (V1), Section E: Birdwood to Gaza Road		
Project No	FG6253	Date	02/07/15
Borehole No	BH 27	TMR H No	12290
Location	M3 Offramp Overpass	Start Depth (m)	7.2
Detail		Finish Depth (m)	10.1
Chainage		Submitted By	TJG
Remarks			



SCALE 1:5