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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
	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)				
1					Grey, dry, fine to coarse grained.						
				A	Sandy SILT (Alluvium)					6, 8, 9 N=17	SPT
					Brown, dry, fine grained, stiff. Trace gravel.						
2					Sandy CLAY (Alluvium)						
					Grey brown, moist, very stiff. Fine grained sand.						
				B	Becoming wet.	(CI)				4, 7, 9 N=16	SPT
3											
4	30.51				Clayey SAND (Residual)					4, 6, 11 N=17	SPT
				C	Brown, red, grey, wet, medium dense.						
					Fine to medium grained.	(SC)					
5											
	28.81			D	Becoming Gravelly Clayey SAND. Very dense.					9, 30/140mm hb	SPT
6					METAGREYWACKE (Dcf)						
					XW: Recovered as a grey, fine to medium grained, wet, very dense, Clayey SAND		XW				
7	27.41									30/50mm hb	SPT
				(0)	ARGILLITE (Dcf)						
				100	MW: Dark grey, fine grained, weakly foliated, medium strength. Highly fractured.		MW				
8	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: Grey, fine to medium grained, weakly foliated, medium to mainly high strength.		MW			Is(50)=1.40 MPa Is(50)=1.30 MPa	D (8.52m) A (8.56m)
9					Defects: -FP: 40°-45° (2-3/m), Pl/Ro, TI, FeSt, some Cly Vr.						
				100	-J's: 20°-30° (3-4/m), Pl/Ro, TI, FeSt, Cly Vr.						
	24.51			(66)						Is(50)=0.16 MPa	A (9.93m)

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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GEOTECHNICAL BOREHOLE LOG

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SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH27**

Sheet 2 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	L	VL	EL	EC			VC	C	M	W	VW	EW
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)					
														</									

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

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REVIEWED BY

T.Goosey

S.Foley

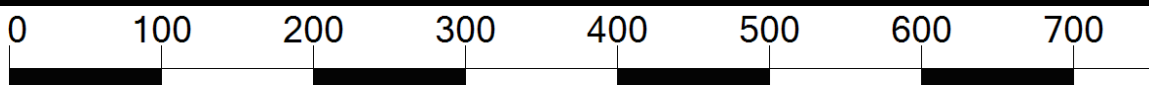
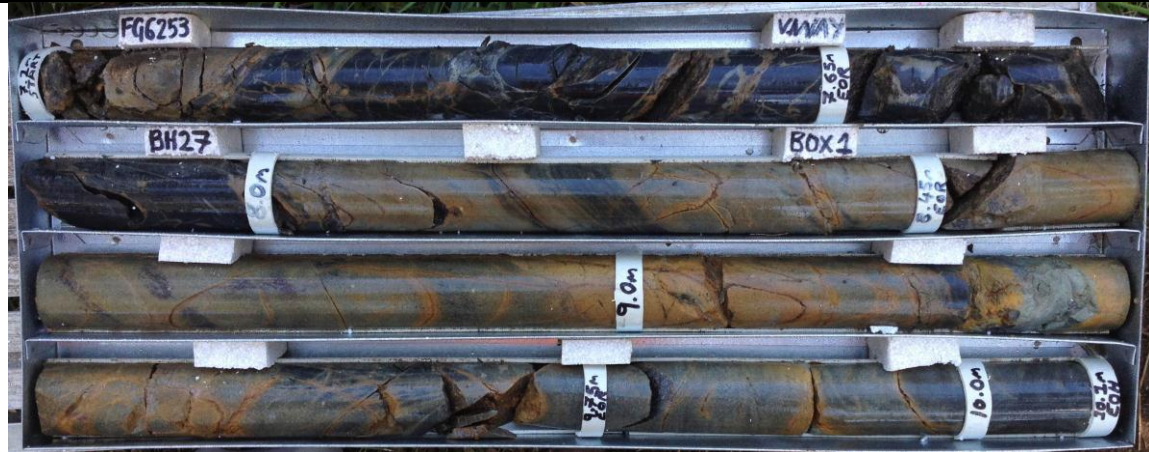
CORE PHOTO LOG

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	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