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**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH25**

Sheet 1 of 2

REFERENCE No **H12289**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road				
LOCATION	Gaza Rd Overpass		COORDINATES 505722.8 E; 6954348.8 N		
PROJECT No	FG6253	SURFACE RL	32.54m	PLUNGE	90°
				DATE STARTED	24/06/2015
				GRID DATUM	MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	25/06/2015
				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
1	31.54				Silty Clayey SAND (Fill) Brown, dry, loose. Fine to coarse grained.	(SC)							
2	30.04			A	Sandy CLAY (Alluvium) Brown mottled red grey, moist, stiff. High plasticity. Fine grained sand.	(CH)				2, 5, 5 N=10	SPT		
3				B	Clayey Gravelly SAND (Residual) Red grey to brown, wet, dense. Fine to coarse grained.	(SP)				15, 17, 19 N=36	SPT		
4	28.24			C	ARGILLITE (Dcf) XW: Recovered as pale grey, fine grained, very stiff to hard, Silty CLAY, trace sand.	XW				4, 7, 15 N=22	SPT		
5				D						16, 38/110mm	SPT		
6	26.44		(0)		METAGREYWACKE (Dcf) XW: Pale grey to orange, fine to medium grained, weakly foliated, extremely low strength. Clay matrix.	XW							
7	25.54		100	(8)	METAGREYWACKE (Dcf) HW: Pale grey to orange, fine to medium grained, weakly foliated, generally low to medium strength. Defects: Healed iron stained joints throughout. -J's: 20°-35° (6-8/m), Pl/Ro-Sm, TI, FeSt, some Cly Vr	HW				7.23m-7.33m: XW, Clay seam			
8			(8)							Is(50)=0.24 MPa Is(50)=0.41 MPa	A (8.15m) D (8.20m)		
9	23.69		100	(14)	ARGILLITE (Dcf) HW: Orange brown, fine grained, foliated, very low strength. Defects: -FP's: 10°-20° (10-15/m), Pl/Ro, TI, FeSt, Cly Vr	HW				8.85m: Contact, 65°, Un/Ro, Cly FD, 20mm 8.86m-8.89m: Clay Seam 9.35m-9.80m: BZ DI			
10	22.54		100	(0)									

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



# GEOTECHNICAL BOREHOLE LOG

BOREHOLE No **BH25**

Sheet 2 of 2

REFERENCE No **H12289**

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

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road				
LOCATION	Gaza Rd Overpass		COORDINATES 505722.8 E; 6954348.8 N		
PROJECT No	FG6253	SURFACE RL	32.54m	PLUNGE	90°
		DATE STARTED	24/06/2015	GRID DATUM	MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM	AHD	BEARING	°
		DATE COMPLETED	25/06/2015	DRILLER	North Coast Drilling

DEPTH (m)	R.L. (m)	FAUGER CASING WASH BORING CORE DRILLING CORE REC %	RQD (%) SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS			
									EH	VH		H	M	L
11.00			100 (0)	-J's: 80°-90° (Pl-Un/Sm, TI, Cly, FeSt. Some Qz FD <2mm. ARGILLITE (Dcf) HW: Cont'd.	HW	HW		VC-C	10.30m-10.50m: XW, Cly					
11.00			100 (0)	Colour change to grey.	HW	HW		VL EC VC	10.72m-10.78m: Cly BZ					
11.00			100 (0)		HW	HW		VL VC	11.10m-11.37m: XW Seam					
11.00			100 (74)	METAGREYWACKE (Dcf) SW: Pale grey to dark grey, fine to medium grained, weakly foliated, high to very high strength. Argillite interbeds in parts. Defects: -J's: 10°-20° (5-6/m), Pl/Ro, TI, FeSt -J's: 75°-85° (1/m), Pl/Ro, TI, FeSt	XW	XW		VL VC	11.53m-11.66m: XW Seam					
12.00	20.34		100 (76)					VL VC	11.74m-11.78m: XW Seam					
12.00			100 (76)					VL VC	12.00m-12.15m: XW Seam					
13.00										UCS=56.60 MPa (13.90m)				
14.00										Is(50)=1.40 MPa (14.10m)				
14.00										Is(50)=1.80 MPa D (14.15m)				
15.00	17.39			Borehole completed at 15.00m						Is(50)=1.40 MPa D (14.92m)				
15.00										Is(50)=1.50 MPa A (14.96m)				

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	<b>Velway (V1), Section E: Birdwood to Gaza Road</b>		
Project No	FG6253	Date	02/07/15
Borehole No	BH 25	TMR H No	12289
Location	Gaza Rd Overpass	Start Depth (m)	6.0
Detail		Finish Depth (m)	15.0
Chainage		Submitted By	TJG
Remarks			

