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**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH19**

Sheet 1 of 1

REFERENCE No **H12206**

PROJECT **Veloway 1 Stage E: Birdwood to Gaza Road**

LOCATION **Bridge over Steculia Avenue**

COORDINATES **505606.6 E; 6954954.1 N**

PROJECT No **FG6253**

SURFACE RL **25.61m**

PLUNGE **90°**

DATE STARTED **18/06/2015**

GRID DATUM **MGA94 Zone 56**

JOB No **201/C001/4**

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **18/06/2015**

DRILLER **North Coast Drilling**

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
	25.41				TOPSOIL						
1					Sandy CLAY (Residual) Grey brown, fine grained, dry, stiff. Trace gravel.		(CI)				
	24.21			A						3, 4, 8 N=12	SPT
2					Clayey Sandy GRAVEL (Residual) Pale grey, fine grained, dry, medium dense.		(GC)				
	23.11										
3				B	Gravelly Sandy CLAY (Residual) Mottled brown grey, red and yellow, moist, very stiff. Sand and gravel is fine grained. Low plasticity.		(CL)			9, 14, 14 N=28	SPT
4	21.61										
				C	Sandy CLAY (Residual) Brown, fine grained, very stiff. Medium to high plasticity.		(CI)			7, 10, 11 N=21	SPT
5	20.11										
6			100 (0)		ARGILLITE (Dcf) XW: Recovered as brown grey, fine grained, hard, Silty CLAY.		XW MW XW				
	19.31		100 (22)		ARGILLITE (Dcf) HW: Dark grey to pale grey, fine grained, foliated, very low to low strength. From 6.3-7.46m: Shear zone, micro faults throughout. Foliation at 70°-80°		HW				
7											
8	17.64		100 (45)		METAGREYWACKE (Dcf) SW: Brown grey, fine to medium grained, weakly foliated, medium to high strength. Defects: -J's: 10°-30° (6-7/m), Pl/Ro, TI, Cly Vr, FeSt. -J's: 70°-80° (2/m), Pl/Sm-Ro, TI-CD, Cly Vr, FeSt Borehole completed at 9.35m		MW SW			Is(50)=0.88 MPa Is(50)=0.93 MPa D (7.50m) A (7.58m)	
9	16.26		100							Is(50)=1.30 MPa Is(50)=0.63 MPa D (8.30m) A (8.51m) Is(50)=3.30 MPa Is(50)=0.93 MPa D (8.80m) A (8.87m)	

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

LOGGED BY

REVIEWED BY

TJG

SF

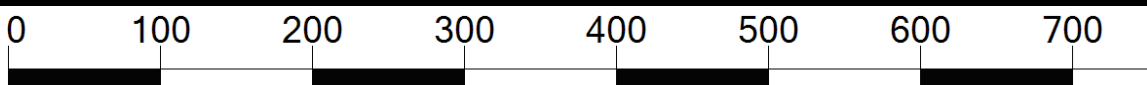
CORE PHOTO LOG

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



Department of
Transport and Main Roads

Project Name	Veloway (V1), Section E: Birdwood to Gaza Road		
Project No	FG6253	Date	18/06/15
Borehole No	BH19	TMR H No	12206
Location	Bridge over Sterculia Avenue	Start Depth (m)	5.5
Detail		Finish Depth (m)	9.35
Chainage		Submitted By	TJG
Remarks			



SCALE 1:5