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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH11**

Sheet 1 of 1

REFERENCE No **H12199**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road		
LOCATION	Bridge over Marshall Rd and Bapaume Rd.	COORDINATES 505554.0 E; 6955170.3 N	
PROJECT No	FG6253	SURFACE RL 23.13m	PLUNGE 90°
			DATE STARTED 16/06/2015
			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 WASH BORING CORE DRILLING	ROD (%) 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	EL	EC	VC	C	M	W			VW	EW
	22.63				PAVEMENT (Fill)																		
1				A	Silty CLAY (Alluvium) Brown, fine grained, stiff. Trace fine to medium grained sand. Medium to high plasticity. Trace gravel.	(CH)															3, 3, 6 N=9	SPT	
2	21.13			B	Sandy CLAY (Residual) Brown grey, moist, very stiff. Sand is fine grained.	(CH)																4, 7, 10 N=17	SPT
3	20.13			C	Clayey SAND (Residual) Brown grey, fine to medium grained, dense. Trace fine to coarse gravel.	(SC)																7, 10, 21 N=31	SPT
4	19.53		(100) (51)		METAGREYWACKE (Dcf) MW: Grey brown, fine grained, foliated, high to very high strength. Defects: FP's/J's: 35°-45° (2-3/m), Pl/Ro- Sm, Tl, Cly Ct J's: 15°-25° (2/m): Pl/Sm, Tl, FeSt, Cly Vr	MW																Is(50)=1.60 MPa	D (3.65m)
5	17.83		100 (85)		METAGREYWACKE (Dcf) SW: Grey, fine to medium grained, weakly foliated, high to very high strength. Defects: FP's/J's: 10°-20° (5/m), Pl/Sm, Tl, FeSt or Cn J's: 50° (1/m), Pl/Sm, Tl, Cn	MW																Is(50)=3.40 MPa Is(50)=3.00 MPa	D (5.22m) A (5.38m)
6	16.28		100			SW																Is(50)=2.40 MPa Is(50)=1.80 MPa	D (6.43m) A (6.47m)
7					Borehole completed at 6.85m																		

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

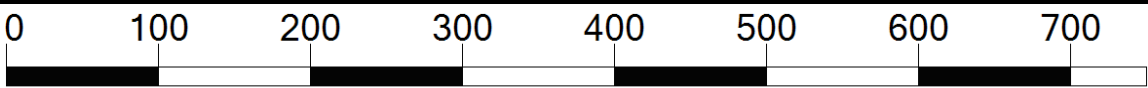
CORE PHOTO LOG

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	17/06/15
Borehole No	BH11	TMR H No	12199
Location	Bridge over Marshall Rd and Bapaume Rd	Start Depth (m)	3.6
Detail		Finish Depth (m)	6.6
Chainage		Submitted By	TJG
Remarks			



SCALE 1:5