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**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH23**

Sheet 1 of 1

REFERENCE No **H12287**

PROJECT Velway 1 Stage E: Birdwood to Gaza Road

LOCATION RS Wall COORDINATES 505703.5 E; 6954429.9 N

PROJECT No FG6253 SURFACE RL 31.95m PLUNGE 90° DATE STARTED 15/06/2015 GRID DATUM MGA94 Zone 56

JOB No 201/C001/4 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 15/06/2015 DRILLER Contract 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
31.80					Clayey SILT (Topsoil) Grey brown, moist, firm. Rootlets throughout. Trace gravel <30mm.	(ML)							
				A	Sandy SILT (Residual) Grey brown, moist, very stiff. Trace gravel <30mm. Trace clay. From 0.5m: Becoming dark brown.	(SM)			5, 9, 10 N=19	SPT			
30.45				B	Silty CLAY (Residual) Orange brown, moist, very stiff. Medium plasticity. Occasional fine to medium quartz gravel. Becoming pale grey mottled with orange brown. Becoming pale grey.				3, 7, 9 N=16	SPT			
				C	Becoming pale grey mottled with red brown.	(C)			5, 6, 10 N=16	SPT			
				D	From 3.5m: No sand or gravel fraction. Low to medium plasticity. Grading into XW with depth.				4, 11, 15 N=26	SPT			
26.95				E	ARGILLITE (Dcf) XW: Recovered as pale grey mottled orange brown, moist, hard, Silty CLAY with trace fine to medium sand and gravel.	XW			13, 29, 30/80	SPT			
25.67				F	Grading into HW. Foliation subvertical.				15, 30/130	SPT			
					Borehole completed at 6.28m								

REMARKS: BH drilled using 4WD mounted auger rig. Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental testing.

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
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