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GEOTECHNICAL BOREHOLE LOG 21-BH15

In Accordance with AS1726:2017

Beaudesert-Beenleigh Road Upgrade
 Beaudesert-Beenleigh road
 Beenleigh
 18840.000.001

Client : AHS
 Date : 11/08/2021
 Hole Depth : 8.41 m
 Core Diameter : 100 mm
 Drilling Method : Solid Flight Auger

Drilling Contractor : Redlands Drilling
 Logged/Reviewed By : RC/SF
 Easting/Northing (MGA94) : 519130.419 / 6933320.279
 Page : 1 / 1
 Datum/Surface RL : AHD/28.114 m

Depth (m BGL)	Drilling Method	Water Level	Elevation (RL)	TCR (%) / RQD (%)	Stratigraphic Unit	Group Symbol (USCS)	MATERIAL DESCRIPTION	Log Symbol	Weathering	Estimated Intact Strength	Average Defect Spacing (ISO14689:2017)	Additional Comments	Test Results
0.0 - 1.0	Auger		28		FILL	CI	Gravelly Sandy CLAY (FILL) Pale grey-brown, dry, very dense. Trace cobbles. Low to medium plasticity. Fine to coarse sand. Fine angular gravel.	[Cross-hatched pattern]					SPT 'A' 7.30/85mm MC = 9.1% ECN = 2
1.0 - 2.0	SPT		27				Sandy GRAVEL with Clay(FILL) Grey-brown, moist, very dense. Fine to coarse angular gravel. Fine to coarse sand. Clay is low plasticity. 1.75m: Becoming loose.						
2.0 - 3.0	WB		26		Residual	CI	CLAY with Sand and Gravel (Residual) Dark brown, moist, firm to stiff. Medium plasticity. Fine to medium sand. Fine, subangular to angular gravel.	[Blue wavy pattern]					SPT 'C' 7.4.3 N=7 MC = 10.5% LL = 29% PI = 13%
3.0 - 4.0	SPT		25				CLAY with Gravel (Residual) Grey mottled pale orange-brown, moist, very stiff to hard. Medium plasticity. Fine angular gravel. Trace fine to medium sand.						
4.0 - 5.0	WB		24		Dcf	CI	ARGILLITE (Dcf) MW: Purple-brown, red and grey, fine grained, foliated, medium to high strength. Foliation dips at 15°-35°. - FP: 15°-35° (8/m) Sm, OP-TI, Fe Std or Clay Vr - Js: 40°-60° (2/m) Sm, OP-TI, Fe Std or Clay Vr - Js: 60°-90° (1/m) Sm, OP-TI, Fe Std or Clay Vr	[Blocky pattern]	HW	MW			SPT 'E' 6.13.19 N=32
5.0 - 6.0	SPT		23										
6.0 - 6.27			22	100 / 27								5.65m-5.70m: XW Clay seam	
6.27 - 6.69			21	100 / 22								6.27m-6.30m: Clay seam	
6.69 - 8.41	NMLC		20									6.69 - 6.86 L ₁₍₅₀₎ (D) = 2Mpa	

End of Hole Depth : 8.41 m

Notes:

Dcf: Naranleigh Fernvale Beds

GEOTECHNICAL BOREHOLE LOG - AU 18840.000.001 - BEAUDESERT - BEENLEIGH RD UPGRADE PROJECT.GPJ NZ DATA TEMPLATE 2.GDT 9/9/21

Borehole No.: 21-BH15		Depth Range: 5.65 – 8.41m		Box: 1/1	
		0m		1.0m	
	Supplementary Geotechnical Investigation Borehole Photos	Client: RoadTek			
		Project: Beaudesert-Beenleigh Road upgrade		Drawn: RC	Page No. 1/1
		Project No. 18840.000.001		Checked: SF	Size: A4
		Date Drilled: 11/08/2021		Revision: 01	Scale: N/A