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LOG OF TEST PIT TP10

In Accordance with AS1726:2017

Geotechnical Investigation
Maudsland Rd
Mount Nathan, QLD
17820.000.002

Client : Roadtek
Date : 10/11/2020
Test Pit Depth : 4 m
Excavator Type/Size : 20 Tonne Excavator
Bucket Type/Size : 1.2m toothed bucket
Logged By : AK
Reviewed By : SF
Easting (MGA94) : 526967.1
Northing (MGA94) : 6907126.9
Datum / Surface RL : GHD/76.5 m

Depth (m BGL)	Stratigraphic Unit	Easier Excavability (Relative Scale) Harder	Group Symbol	DESCRIPTION	Log Symbol	Elevation (RL)	Water Level	Moisture Cond.	Consistency/ Density Index	Shear Vane (kPa) Peak/Remolded	Dynamic Cone Penetrometer (DCP) Blows per 100mm	Sample Type	Test Results
	TS		ML	Clayey SILT trace rootlets (TOPSOIL) Dark brown, dry, stiff.				D	St				
0.5	FILL		CH	Silty CLAY with sand and gravel (FILL) Brown mottled red-brown, moist, very stiff, high plasticity. Sand, fine to coarse. Gravel, fine to coarse, angular to subrounded.		76			VSt				BULK: LL = 63.4% PI = 30.8% LS = 16.6% CBR(4) = 5% MC = 24.9%.
1.0	Residual		SW	Clayey SAND with gravel (Residual) Orange-brown mottled pale grey, moist, medium dense, well graded. Sand, fine to coarse grained. Gravel, fine to coarse grained, subangular to subrounded.		75		M	St				BULK: LL = 33.0% PI = 12.2% LS = 8.2% EC = 3 CBR(4) = 3.5% MC = 11.7%.
2.0				METAGREYWACKE (DCf) HW: brown and orange, fine to medium grained, indistinctly bedded, typically low to medium strength. Frequent, very closely spaced joints. Js: (20-30/m), TI to OP, Ro, Fe Stn.		74							BULK: LL = 39.0% PI = 17.4% LS = 10.0% EC = 5 CBR(4) = 9% MC = 9.2.
2.5													
3.0													
3.5	Naraleigh-Fernvale Beds			From 3.1 m: Grading into moderately weathered, medium to high strength.		73							
4.0													

Depth of Excavation: 4 m
Termination Condition: Target depth

Test pit met target depth at 4.0 m at 4 m.
TS = TOPSOIL