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TEST PIT: TPUA-12

COORDS: 659198.1 m 7667208.2 m MGA Zone 55

SURFACE RL: 875.21 m DATUM: AHD

SHEET: 1 OF 1

MACHINE: 2-4t Excavator

CONTRACTOR: Twin Hills

LOGGED: BF DATE: 21/6/23

CHECKED: SF DATE: 28/6/23

CLIENT: SMEC

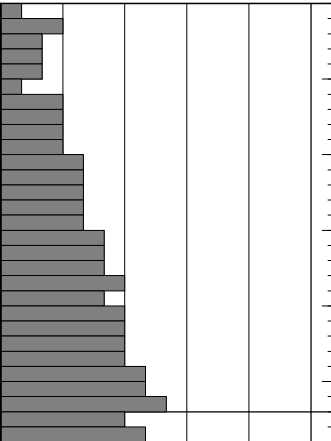
PROJECT: Pioneer Burdekin PHES GI

LOCATION: Dalrymple Heights / Netherdale

JOB NO: 23117.000.001

PIT DEPTH: 2.70 m

BUCKET TYPE: Tooth Bucket

| Excavation | | | | Sampling | | | Field Material Description | | | | | | | | | |
|--------------------|--------------------------|-------|-------------------|---|-----------|----------------|----------------------------|---|-----------------------|------------------------|---|----|----|---|----|----|
| METHOD/ SUPPORT | EXCAVATION RESISTANCE | WATER | DEPTH (metres) | SAMPLE OR FIELD TEST | RECOVERED | GRAPHIC LOG | GROUP SYMBOL | MATERIAL DESCRIPTION | MOISTURE CONDITION | CONSISTENCY DENSITY | DCP TEST (AS1289.6.3.2) Blows per 100 mm | | | | | |
| | | | | | | | | | | | 0 | 3 | 6 | 9 | 12 | 15 |
| TB | EP | GNO | 0.0 | A B 0.10-0.50 m Fines (µm<75) = 72% LL(%) = 48 PI(%) = 16 LS(%) = 10.0 MC(%) = 33.7 ECN = 5 MDD(t/m³) = 1.34 B B 0.70-1.10 m Fines (µm<75) = 84% MC(%) = 33.9 ECN = 6 CBR(%) = 7 MDD(t/m³) = 1.41 | x x x | x x x | ML | TOPSOIL: Silty CLAY trace rootlets low to medium plasticity, dark brown, trace rootlets (<2mm) Clayey SILT low liquid limit, orange brown, with fine to coarse grained sand (RESIDUAL SOIL) | w ~ PL | S |  | | | | | |
| | | | 0.5 | | | | | | | | | ML | St | | | |
| | MP | | 1.0 | | x x x | x x x | ML | Clayey SILT low liquid limit, orange brown, low plasticity clay, with fine to coarse grained sand (RESIDUAL SOIL) | | St | | | | | | |
| | | | 2.0 | | x x x | x x x | St - VSt | | | | | | | | | |
| | DP | | 2.5 | | x x x | x x x | Cl-CH | Silty CLAY high plasticity, orange brown, trace fine to medium grained sand, trace cobbles, cobbles are (XW to HW) granitoid corestones in residual soil matrix. (RESIDUAL SOIL) | | VSt | | | | | | |
| PR | | | 2.20 873.01 | C B 2.10-2.40 m Fines (µm<75) = 92% LL(%) = 58 PI(%) = 23 LS(%) = 10.5 MC(%) = 32.0 ECN = 5 CBR(%) = 10 MDD(t/m³) = 1.44 | x x x | x x x | | | | | | | | | | |
| | | | 872.51 | TEST PIT DISCONTINUED @ 2.70 m REFUSAL ON ROCK GROUNDWATER NOT OBSERVED BACKFILLED Rock shelf encountered on the northern edge of the pit - rock material: weathered granite dipping at a visually sighted approx. 70° SAMPLES HAVE BEEN DESTROYED BY LABORATORY | | | | | | | | | | | | |
| | | | 3.0 | | | | | | | | | | | | | |
| | | | 3.5 | | | | | | | | | | | | | |
| | | | 4.0 | | | | | | | | | | | | | |
| | | | 4.5 | | | | | | | | | | | | | |
| | | | 5.0 | | | | | | | | | | | | | |

Photographs



This log must be read in conjunction with accompanying symbols and abbreviations used on Geotechnical Logs. It has been prepared for geotechnical purposes only.