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| ARUP | Trial Pit Log | 249964 | T-TP06 | Page 1 of 1 |
|--------------------|---------------|------------|------------------|-------------|
| 711101 | | Contractor | | · |
| | | | Ground Level (m) | Date |
| Port Drive Upgrade | | | 9.15 | 31-Aug-16 |

| Samples & tests | | | Strata log | | | | | | | | |
|----------------------------|-----------------------|----------------|-----------------|----------|-----------------------------|---|---------|---------|--|--|--|
| Depth | Sample Type Ref | Test Result | Red. Level | Legend | Depth (Thick- ness) | Description | Stratum | Geology | | | |
| - | | | 9.0 | <u> </u> | | Gravelly CLAY (CL). | | FILL | | | |
| 0.15-0.40 | В | PP=35.64kNm/ | | | 0.15/ - (0.25) - 0.40 | SAND (SP) predominantly coarse grained with fine to medium grains, red-brown mottled orange, with silt and clay, with gravel, fine to coarse, angular, trace rootlets, moist, medium dense. | | FILL | | | |
| . 0.40-0.85 | В | PP=33.03kNm2 | 2 | X | (0.45) | Silty SAND (SM) fine to medium grained, pale grey mottled pale red-brown, with clay, with gravel, fine to coarse, angular, moist, medium dense. | | FILL | | | |
| - - 0.85-1.10 - - | В | PP=28.45kNmi | 8.3 2 8.1 | X | . 0.85 (0.25) 1.10 | Silty SAND (SM) fine to coarse grained, pale grey and brown-red, with low plasticity | | FILL | | | |
| - - - | | | - | | - - - | Trial pit completed at 1.1m depth | | | | | |
| - | | | | | | | | | | | |
| - | | | - | | | | | | | | |
| - - - | | | - | | | | | | | | |
| - - | | | _ | | - | | | | | | |
| - - - | | | _ | | | | | | | | |
| - - - | | | | | - | | | | | | |
| - - - | | | _ | | | | | | | | |
| - - - | | | - | | - | | | | | | |
| - | | | | | _ | | | | | | |

Remarks

Roots and spoil on location, cleared it to ground level prior to digging

Local coords: MGA coords: 516126.73E,6966772.2N Ground level = 9.15mOD Investigation/cluster ref: Main

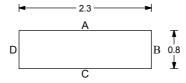
Plant: 8T Crew: MF Backfilled: 31-Aug-16

Groundwater

No groundwater encountered

Shoring/Support: None

Stability: Stable



Logged by: GCP Database check:

Hole/test made by Contractor but logged by Arup.

| AR | UP | | DYNAMIC CONE PENETROMETE TEST RESULTS | | | | | | | | | | | | | | ΓER | | | | | | | | | Test No. TP06 | | | | | | | | | | | | | | | | |
|-------------------------------|------------------------|-----------------------------|--|------------------------------------|--------------|-----------------------------|--------------|--------------------|----------|---------|---|-----------|--------------|--------|--------|---|-----|--------------|-----------|------------|----------------|-----------------------------------|---------------------|--------------|-------------------|----------------|--------------|---|--------------|----------------|--|--------------|-------------|--------------|--------------|-------------------|---|--|--|--|--|--|
| Proje | ect Name | Port Drive Up | gra | de | | | | | | | | | | | | | | | | | | | | | | | | | | | Sheet 1 of 1 | | | | | | | | | | | |
| R.L. Ground (m) | | 9.15 | | R.L. Finished Surface Level (m) | | | | | | | | | | | | | | | | ing hin | | | | | | | | | | | | | | | | | | | | | | |
| Depth below surface (m) | Blows/ 100mm (n) | Cumulative Blows (Σn) | | | | | | | | | | | | | | | | Gra | apł | nic | Lo | g | | | | | | | | | | | | | | | | | | | | |
| 0.0 - 0.1 | | (=) | П | | | | | | | | | | | | h | | | Πİ | Ī | | П | | | | | | | | | | | | | | | | | | | | | |
| 0.1 - 0.2 | | | | Ħ | | | | | | | | | 1 | | | | | | | | | | | | Ħ | T | | | | | | | | | | | | | | | | |
| 0.2 - 0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.3 - 0.4 | | | Ц | Ц | | | | Ш | | Ш | | Ц | | | Ш | | | | | | | | Ц | | Ц | | | | | | | | Ш | | Ш | | | | | | | |
| 0.4 - 0.5 | | | $oldsymbol{\perp}$ | Ш | _ | | | Щ | L | Ц | | Ц | 1 | | Ш | | Ц | _ | | | | | Ц | | Ц | 1 | | Ц | _ | | Ц | 1 | Ц | | Ш | | | | | | | |
| 0.5 - 0.6 | | | $oldsymbol{\perp}$ | \sqcup | - | H | - | Н | | H | - | Н | _ | | Н | - | Ц | - | H | - | | | Н | | Н | 4 | - | Ц | 4 | | 4 | - | H | | Н | \perp | | | | | | |
| 0.6 - 0.7 | | | dash | \mathbb{H} | - | H | - | H | | H | + | Н | 4 | - | Н | - | H | - | | | | | H | - | H | - | | H | + | | 4 | ╀ | \vdash | - | \mathbb{H} | \blacksquare | | | | | | |
| 0.7 - 0.8 | | | + | H | - | | + | H | \vdash | H | + | Н | - | + | H | ╂ | H | + | H | + | | | Н | | Н | + | + | H | + | \blacksquare | + | + | \vdash | + | H | + | | | | | | |
| 0.8 - 0.9 0.9 - 1.0 | | | H | H | + | H | + | H | H | H | + | Н | + | + | H | ╂ | H | + | H | | \vdash | \perp | Н | + | H | + | + | H | + | H | + | + | H | + | H | + | | | | | | |
| 1.0 - 1.1 | 3 | 3 | | Н | + | H | + | H | H | H | + | Н | + | | H | ╁ | H | + | H | | | H | Н | | Н | ╁ | + | H | + | H | H | + | H | + | H | + | | | | | | |
| 1.1 - 1.2 | 5 | 8 | | | | | | H | | H | t | H | 1 | | H | ╁ | H | + | H | | | H | H | | H | t | | H | + | H | H | \dagger | H | | H | + | | | | | | |
| 1.2 - 1.3 | 12 | 20 | | | | | | | | | t | H | | | H | ╁ | H | + | H | | H | | H | | $\dagger \dagger$ | ╅ | | H | + | t | H | \dagger | H | \dagger | H | + | | | | | | |
| 1.3 - 1.4 | 25 | 45 | | | | | | | | | | | | | | | | | | | | | Ħ | | Ħ | Ť | | Ħ | \top | Ħ | H | t | | | H | Ħ | | | | | | |
| 1.4 - 1.5 | | | | | | | | | | | | | | | | | | | | | t | | Ħ | | Ħ | T | | Ħ | T | | Ħ | t | Ħ | \dagger | Ħ | | | | | | | |
| 1.5 - 1.6 | | | Π | П | Ť | Ħ | | | | Ħ | | П | | | Ħ | T | | Ť | | | | | Ħ | | П | T | | | T | | Ħ | T | | | Ħ | | | | | | | |
| 1.6 - 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.7 - 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.8 - 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.9 - 2.0 | | | Ц | Ш | | | | | | Ш | | Ш | | | Ш | | | | | | | | Ш | | Ш | | | | | | | | | | Ш | | | | | | | |
| 2.0 - 2.1 | | | Ц | Ш | | | | Ш | | Ц | | Ц | | | Ц | | Ц | | | | | | Ш | | Ш | 1 | | Ц | | | | L | | | Ш | Ш | | | | | | |
| 2.1 - 2.2 | | | Щ | Н | _ | | | Ш | L | Ц | 1 | Ц | _ | | Ц | 1 | H | _ | Ц | | | | Ш | | Ш | 4 | | H | 1 | | Ц | | Ц | 1 | Ш | \perp | | | | | | |
| 2.2 - 2.3 | | | $oldsymbol{+}$ | Н | + | | 1 | Н | Ł | Н | - | Н | 4 | | Н | ╀ | H | + | Н | | | | Н | | Н | 4 | | H | + | - | Н | ╀ | Н | + | Н | \perp | | | | | | |
| 2.3 - 2.4 | | | $oldsymbol{+}$ | H | + | H | - | H | - | H | - | H | | | H | ╂ | H | + | H | - | | - | Н | | H | + | - | H | + | | 4 | - | H | - | H | \perp | | | | | | |
| 2.4 - 2.5 | | | \vdash | H | + | H | ╁ | H | H | H | ╁ | H | + | | H | ╂ | H | + | H | + | \blacksquare | \vdash | Н | + | H | ╁ | + | H | + | - | + | ╁ | H | + | H | + | | | | | | |
| 2.5 - 2.6 2.6 - 2.7 | | | + | H | ╁ | H | ╁ | ${\sf H}$ | H | H | + | H | + | + | H | ╂ | H | + | H | + | H | + | Н | + | Н | ╁ | + | H | + | ┢ | + | - | H | + | H | + | | | | | | |
| 2.7 - 2.8 | | | + | H | ╁ | H | ╁ | H | H | H | t | H | + | + | H | ╁ | H | ╁ | H | ╁ | | H | Н | + | Н | ╁ | + | H | + | - | H | ╁ | H | + | H | H | | | | | | |
| 2.8 - 2.9 | | | + | Ħ | ╁ | H | ╁ | H | t | H | | H | + | + | H | ╁ | H | ╁ | H | t | | H | H | | H | ╁ | + | H | + | H | H | \dagger | H | + | Ħ | H | | | | | | |
| 2.9 - 3.0 | | | 十 | Ħ | \dagger | \dag | \dagger | $\dag \dag$ | t | H | t | Ħ | \dagger | Ħ | \dag | ╁ | H | \dagger | H | \dagger | H | \dag | Ħ | \dagger | Ħ | \dagger | T | H | \dagger | H | H | t | $\dag \dag$ | \dagger | Ħ | \dag | | | | | | |
| 3.0 - 3.1 | | | 十 | $\dag \dag$ | \dagger | Ħ | T | $\dag \uparrow$ | Ħ | Ħ | t | Ħ | \dagger | Ħ | \dag | ┪ | Ħ | \dagger | Ħ | \dagger | Ħ | \dag | Ħ | \dagger | Ħ | t | Ħ | Ħ | \dagger | Ħ | $\dag \uparrow$ | t | $\dag \dag$ | \dagger | $\dag \dag$ | $\dagger \dagger$ | | | | | | |
| 3.1 - 3.2 | | | 广 | Ħ | T | Ħ | T | \sqcap | Ħ | Ħ | Ť | Ħ | † | | Ħ | T | Ħ | T | П | 1 | ı | Ħ | П | † | Ħ | Ť | T | Ħ | T | Ħ | \sqcap | Ť | П | T | \prod | \top | | | | | | |
| 3.2 - 3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.3 - 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.4 - 3.5 | | | Д | П | | П | Ţ | | | \prod | | | | | | | | | | | | | П | Ţ | П | Ţ | | | | | | | \prod | | П | Д | | | | | | |
| 3.5 - 3.6 | | | Ц | \coprod | | Ц | Ţ | Щ | | Ц | | \coprod | | | Ш | | Ц | | \coprod | | $oxed{L}$ | | Ц | \int | \coprod | | | Ц | | | \coprod | Ĺ | \coprod | | \coprod | \coprod | | | | | | |
| 3.6 - 3.7 | | | Ц | Ц | \perp | Ц | \downarrow | Ц | | Ц | ļ | Ц | \downarrow | | Ц | _ | Ц | \perp | Ц | | | Ц | Ц | \downarrow | Ц | ╽ | L | Ц | \downarrow | | Ц | \downarrow | Ц | \downarrow | Ц | Щ | | | | | | |
| 3.7 - 3.8 | | | $oldsymbol{\perp}$ | \coprod | \perp | $oldsymbol{oldsymbol{eta}}$ | \downarrow | $oxed{\downarrow}$ | L | Ц | ╀ | Ц | 4 | \bot | Ц | _ | Ц | \perp | Ц | \perp | \downarrow | $oxed{oldsymbol{oldsymbol{eta}}}$ | Н | \downarrow | Ц | 1 | \downarrow | Ц | \downarrow | Ļ | Ц | \downarrow | \coprod | \downarrow | Ц | \coprod | | | | | | |
| 3.8 - 3.9 | | | $oldsymbol{\perp}$ | \coprod | \downarrow | $oldsymbol{\sqcup}$ | \bot | oppu | L | oppu | 1 | Ц | 4 | L | Ц | _ | Ц | \downarrow | Ц | _ | ig | oxdapsilon | $oldsymbol{\sqcup}$ | \downarrow | Ц | 1 | \perp | Ц | \downarrow | H | $\!$ | \downarrow | \coprod | \downarrow | \coprod | \coprod | | | | | | |
| 3.9 - 4.0 | | | Щ | П | | | | | | Ш | | П | | | Ц | | Ш | | | | | $oxed{L}$ | Ш | | | | | Ш | | | | 1 | | | | | L | | | | | |
| Comments Hammer bo | | | | | | | | | | | | | | | | | | | | | | | ade Jure | | | | GC | P | | | Date 31/08/2016 Job No | | | | | | | | | | | |
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