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| ARUP | Trial Pit Log | Job No. 249964 | Hole ref T-TP25 | | Page 1 of 1 |
|--------------------|---------------|-------------------|------------------|------|----------------|
| | | Contractor | | | |
| | | | Ground Level (m) | Date | |
| Port Drive Upgrade | | | 3.80 | 30 |)-Aug-16 |

| Samples & tests | | | | Strata log | | | | | | | | |
|--------------------------|-----------------------|----------------|---------------|-------------------|---------------------------------|--|---------|---------|--|--|--|--|
| Depth | Sample Type Ref | Test Result | Red. Level | Legend | Depth (Thick- ness) | Description | Stratum | Geology | | | | |
| 0.08-0.55 | В | | 3.7 | X | | Silty SAND (SM) fine to medium grained, grey-brown, with organics (vegetation). | | TOP | | | | |
| <u> </u> | | | 3.3 | | - (0.47) - 0.55 | SAND (SP) fine to medium grained, grey-brown to pale grey-brown, with gravel, fine to coarse, round to sub-angular, with organics (rootlets), with shell fragments, slightly moist, loose. | | FILL | | | | |
| 0.55-1.10 - - - | В | | | × × × × × × | - - (0.55) - - 1.10 | Silty SAND (SM) fine grained, pale grey, moist, loose to dense. | | FILL | | | | |
| | | | - | | | Trial pit completed at 1.1m depth | | | | | | |

Remarks

Local coords: MGA coords: 516692.76E,6970138.32N Ground level = 3.8mOD Investigation/cluster ref: Main

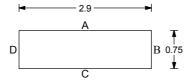
Plant: 8T Crew: MF Backfilled: 30-Aug-16

Groundwater

No groundwater encountered

Shoring/Support: None

Stability: Stable



Logged by: GCP Database check:

| AR | UP | DYNAMIC CONE PENETROMETE TEST RESULTS | | | | | | | | | | | | | | | | | Test No. TP25 | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-----------------|---------------------------------------|-------------------------|--------------------|---|----------|-------------------|-----------|-----|--------------|-------------------|-----------|-----------|-----|-----------|---|-----------|-----------|----------------------|-----------|----|-----------------------|-------------------|--------------|---------|-----------|-----------|---|-----------|--------|-------------------|-----------|--|------------------|-------------------|---------|---|--|--|--|--|
| Proj | ect Name | Port Drive Up | gra | .de | | | | | | | | | | | | | | | | | | | | | | | | | | | Sheet 1 of 1 | | | | | | | | | | |
| R.L. Ground (m | | 3.8 | | | | | R | R.L. I | | ishe evel | | | rfac | е | | | | | | | | Easting / Northing | | | | | | | | | | | | | | | | | | | |
| Depth below surface | Blows/ 100mm | Cumulative Blows | | | | | | | | | | | | | | | | Gra | apl | nic | Lo | g | | | | | | | | | | | | | | | | | | | |
| (m) | (n) | (Σn) | \vdash | 11 | | | 1 1 | | H | ī | 1 1 | 1 | | T 1 | 1 | H | | | Н | ī | ī | | H | _ | T | Ŧ | ī | | T | H | 1 1 | | \exists | F | TT | 〒 | Γ | | | | |
| 0.0 - 0.1 | | | \vdash | + | + | \vdash | Н | + | | + | Н | + | + | H | - | + | | + | H | - | | H | + | + | + | - | + | H | + | ╂ | H | - | otag | \vdash | ${\color{red} H}$ | + | - | | | | |
| 0.1 - 0.2 0.2 - 0.3 | | | + | + | | H | Н | + | | + | Н | + | ╁ | H | + | + | | + | | + | | H | H | + | + | - | + | H | + | ╁ | H | - | ${\mathbb H}$ | ${} +$ | ${\it H}$ | + | - | | | | |
| 0.2 - 0.3 | | | H | $\dagger \dagger$ | + | H | H | + | H | + | H | ╅ | ╁ | H | + | H | 1 | + | H | + | + | H | H | + | + | H | t | H | + | ╁ | H | - | \forall | + | H | + | | | | | |
| 0.4 - 0.5 | | | + | $\dagger \dagger$ | + | H | H | | | + | H | ╅ | + | H | + | t | | + | | + | | H | $^{+}$ | + | + | H | + | H | Ŧ | ╁ | H | + | H | H | ${\sf H}$ | + | ł | | | | |
| 0.5 - 0.6 | | | H | $\dagger \dagger$ | | H | H | | | + | H | Ŧ | + | H | + | + | | + | H | + | | H | H | | | Ħ | t | H | H | ╁ | H | | H | H | \forall | + | • | | | | |
| 0.6 - 0.7 | | | $\dag \uparrow$ | $\dagger \dagger$ | | | H | | | + | H | † | t | H | - | t | | + | | | | H | Ħ | \dagger | | Ħ | t | H | \dagger | 1 | H | \dagger | \forall | H | $\dagger \dagger$ | + | • | | | | |
| 0.7 - 0.8 | | | H | $\dagger \dagger$ | T | H | Ħ | | H | t | Ħ | 1 | t | Ħ | + | t | | T | H | t | t | H | Ħ | † | t | Ħ | t | | t | t | Ħ | + | Ħ | H | Ħ | + | 1 | | | | |
| 0.8 - 0.9 | | | H | 11 | | Ħ | П | | П | | П | 1 | t | Ħ | 1 | t | | T | Ħ | | | H | Ħ | \top | | Ħ | t | | T | t | H | T | Ħ | ΙŤ | Ħ | + | İ | | | | |
| 0.9 - 1.0 | | | | Ħ | | | Ħ | | | | Ħ | T | T | | | T | | | | | | | Ħ | | | ı | | | l | | Ħ | Ī | $\dagger \dagger$ | I | Ħ | \top | 1 | | | | |
| 1.0 - 1.1 | | | Π | Ħ | | | П | | П | | П | T | T | Ħ | | T | | T | | | | Ħ | T | | | T | | | T | T | Ħ | T | П | П | Ħ | \top | 1 | | | | |
| 1.1 - 1.2 | 0 | 0 | П | Ħ | | | Ħ | | | | Ħ | T | | | | | | | | | | | Ħ | | | | | | | | | T | П | П | Ħ | П | 1 | | | | |
| 1.2 - 1.3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | П | П | П | | 1 | | | | |
| 1.3 - 1.4 | 5 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.4 - 1.5 | 7 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 - 1.6 | 10 | 25 | | | | | | | | | Ш | | | | | | | | | | | | | | | | | | | | Ш | | Ш | Ш | Ш | | | | | | |
| 1.6 - 1.7 | 12 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ш | | Ш | Ш | Ш | | | | | | |
| 1.7 - 1.8 | 14 | 51 | | | | | | | | | | | | | | | | | | | | Ш | Ш | | | | | | | | Ц | | Ц | Ц | Ш | | | | | | |
| 1.8 - 1.9 | 19 | 70 | | | | | | | | | | | | | | | | _ | | | | Ш | Ш | _ | | | | | | | Ш | | Ш | Ц | Ш | \perp | | | | | |
| 1.9 - 2.0 | | | Ц | Ш | | | Ш | | | | Ш | | | Ш | | | | | | | | | Ш | | | | | | | | Ш | _ | Ш | Ц | Ш | \perp | | | | | |
| 2.0 - 2.1 | | | Ц | 44 | | Ц | Ш | | Ш | | Ш | 4 | 1 | Ш | _ | 1 | | _ | Ц | | | Ш | Н | 4 | | Ц | 1 | | _ | 1 | Ш | _ | Ш | Ц | Ц | \bot | | | | | |
| 2.1 - 2.2 | | | Ц | 44 | | Ц | Ш | | Ш | | Ш | 4 | 1 | Ш | _ | 1 | | _ | Ц | | | Ш | Н | 4 | | Ц | 1 | | _ | 1 | Ш | _ | Ш | Ц | Ц | \bot | | | | | |
| 2.2 - 2.3 | | | $oldsymbol{\downarrow}$ | \bot | | | \coprod | - | | - | \coprod | 4 | 4 | Н | - | 1 | | - | H | - | | H | \bot | 4 | | 4 | - | | | - | Н | _ | $\!$ | H | \coprod | \bot | | | | | |
| 2.3 - 2.4 | | | pph | $\perp \downarrow$ | | | \coprod | | | - | \coprod | 4 | - | Н | - | + | | - | Н | | | H | \bot | _ | | | + | Ш | 4 | - | Н | - | $\!$ | dash | ${m \sqcup}$ | \bot | | | | | |
| 2.4 - 2.5 | | | $oldsymbol{+}$ | + | | H | Н | _ | H | + | Н | 4 | ╬ | H | - | ╀ | | - | | - | - | H | H | + | - | H | + | H | 4 | ╀ | H | - | $\!$ | dash | ${\color{blue}+}$ | + | ł | | | | |
| 2.5 - 2.6 | | | H | + | + | Н | H | | H | - | H | - | + | H | - | + | | + | | - | - | H | + | + | \perp | + | + | H | + | + | Н | - | \dashv | ${oldsymbol{+}}$ | \dashv | + | | | | | |
| 2.6 - 2.7 | | | H | + | + | Н | H | | H | - | H | - | + | H | - | + | | + | | - | - | H | + | + | \perp | + | + | H | + | + | Н | - | \dashv | ${oldsymbol{+}}$ | \dashv | + | | | | | |
| 2.7 - 2.8 | | | ${\it H}$ | + | | | H | + | | + | H | ╂ | + | H | - | + | | + | H | + | | H | + | + | + | + | + | H | + | - | H | + | \dashv | H | ${\mathbb H}$ | + | 4 | | | | |
| 2.8 - 2.9 2.9 - 3.0 | | | ${\it H}$ | + | + | H | Н | + | Н | + | Н | ╂ | + | H | + | + | | + | | + | - | H | + | + | + | H | + | Н | + | ╁ | H | + | ${\mathbb H}$ | ${\it H}$ | ${\mathbb H}$ | + | | | | | |
| 3.0 - 3.1 | | | + | ╁┼ | + | \vdash | Н | + | H | ╁ | Н | ╂ | + | H | + | ł | - | ╁ | H | + | ╁ | H | + | + | + | + | + | H | + | ╁ | H | + | H | \vdash | ${\it H}$ | + | ł | | | | |
| 3.1 - 3.2 | | | H | + | + | H | H | | | + | H | ł | H | H | + | H | | + | H | + | | H | H | + | + | - | + | H | + | + | H | - | Н | H | ${}^{+}$ | + | | | | | |
| 3.2 - 3.3 | | | H | + | + | H | H | | | + | H | ł | H | H | + | H | | + | H | + | | H | H | + | + | - | + | H | + | + | H | - | Н | H | ${}^{+}$ | + | | | | | |
| 3.3 - 3.4 | | | + | $\dagger \dagger$ | + | H | H | | | + | H | + | + | H | + | t | | + | | + | | H | $^{+}$ | + | + | H | + | H | Ŧ | ╁ | H | + | H | H | ${\sf H}$ | + | ł | | | | |
| 3.4 - 3.5 | | | + | $\dagger \dagger$ | + | H | H | | | + | H | + | + | H | + | t | | + | | + | | H | $^{+}$ | + | + | H | + | H | Ŧ | ╁ | H | + | H | H | ${\sf H}$ | + | ł | | | | |
| 3.5 - 3.6 | | | H | $\dagger\dagger$ | + | H | H | | | + | H | 1 | t | H | + | t | H | + | H | Ŧ | | H | H | + | + | H | t | H | \dagger | t | H | + | H | H | H | + | ł | | | | |
| 3.6 - 3.7 | | | H | + | | | H | | | + | H | 1 | t | H | - | t | | \top | | + | | H | Ħ | $^{+}$ | | Ħ | + | H | t | 1 | H | | \forall | H | $\dagger \dagger$ | + | ł | | | | |
| 3.7 - 3.8 | | | 十 | $\dagger\dagger$ | + | \dag | $\dag \dag$ | \dagger | H | + | $\dag \dag$ | \dagger | \dagger | H | \dagger | T | H | \dagger | H | + | t | H | $\dagger \dagger$ | \dagger | T | \dag | \dagger | H | \dagger | T | $\dag \dag$ | \dagger | \forall | 廾 | $\dag \dag$ | + | 1 | | | | |
| 3.8 - 3.9 | | | 十 | $\dagger\dagger$ | T | H | $\dagger \dagger$ | \dagger | Ħ | \dagger | $\dagger \dagger$ | † | \dagger | H | \dagger | T | \exists | \dagger | H | \dagger | t | H | $\dagger \dagger$ | † | T | Ħ | t | Ħ | \dagger | t | Ħ | \dagger | \forall | Π | Ħ | + | 1 | | | | |
| 3.9 - 4.0 | | | 巾 | $\dagger\dagger$ | T | H | П | \dagger | Ħ | T | П | † | \dagger | Ħ | \dagger | t | Ħ | \dagger | H | \dagger | t | H | $\dagger \dagger$ | \dagger | T | \dagger | t | Ħ | \dagger | t | $\dagger \dagger$ | \dagger | $\dagger \dagger$ | 巾 | $\dagger \dagger$ | + | 1 | | | | |
| Comments | | | | | 1 | | | | - 1 | | | | | | | | | | | | 1 | М | ade | Ву | _ | | GC | P | | | Date | e | | 30/ |)8/2 | 2016 | ì | | | | |
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