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PROJECT Southbank Education & Training Precinct

LOGGED BY PBF

DATE/S 27.05.05

CONTRACTOR North Coast Drilling

ANGLE Vertical

DRILL MODEL Pioneer P120

BEARING -

GROUND LEVEL ~RL 4.5m

MOUNTING 6WD Utility Vehicle

DIAMETER 100mm

LOCATION Refer Figure 2

| DRILLING | STRATA | | | | MATERIAL DESCRIPTION SOIL TYPE Colour, Plasticity, Grain Size, Minor Components | WATER / MOISTURE | CONSISTENCY | | | | | | | | OBSERVATION SOIL ORIGIN, STRUCTURE, ETC. | |
|---|-----------------------------------|------|-------|--------------|---|------------------|-------------|----------|----|----|----|--------------|----|----|---|--------------|
| | DCP TEST RESULTS (blows/100mm) | R.L. | DEPTH | GROUP SYMBOL | | | LEGEND | COHESIVE | | | | NON COHESIVE | | | | |
| | | AHD | m | | | | | VS | SL | ST | SH | VL | ML | DL | | VD |
| AUGER (TC Bit) | 4.40 | 0.10 | | | TOPSOIL FILL: Silty Sandy Gravel, orange brown, fine to angular gravel, some cobbles, concrete and bricks | | | | | | | | | | | TOPSOIL FILL |
| SPT @ 1.0m 7 / 6 / 6 N = 12 | 3.75 | 0.75 | | | FILL: Sandy Clay with Gravel, mottled black, grey, brown & cream white, high plasticity, fine to coarse sand, fine to coarse gravel | | | | | | | | | | | |
| WASHBORE (Roller Bit) | | 1 | | | | | | | | | | | | | | |
| WASHBORE (Blade Bit) | 2.30 | 2.20 | OH | | CLAY / Silty CLAY: Grey with trace orange brown mottling, high plasticity, with some organics | | | | | | | | | | | ALLUVIAL |
| SPT @ 2.5m 1 / 2 / 3 N = 5 | | 3 | | | | | | | | | | | | | | |
| WASHBORE (Blade Bit) | | 4 | | | | | | | | | | | | | | |
| SPT @ 4.0m 0 / 0 / 0 N = 0 (hammer weight) | | 5 | | | | | | | | | | | | | | |
| WASHBORE (Blade Bit) | | 6 | | | | | | | | | | | | | | |
| SPT @ 5.5m 0 / 0 / 0 N = 0 (hammer weight) | | 7 | | | | | | | | | | | | | | |
| WASHBORE (Blade Bit) | -2.10 | 6.60 | CL | | Gravelly CLAY: Mottled grey and orange brown, medium plasticity, fine gravel | | | | | | | | | | | RESIDUAL |
| SPT @ 7.0m 4 / 14 / 23 N = 37 | | 7 | | | | | | | | | | | | | | |

NOTES

- 1) Refusal on initial auger attempt @ 0.6m on unknown obstruction, shift approx. 1.0m forward
- 2) Groundwater encountered at approximately 1.65m.
- 3) Standpipe installed.

JOB

84724

| | | | | | |
|-------------|---|----------|----------|--------------|----------------|
| PROJECT | Southbank Education & Training Precinct | | | LOGGED BY | PBF |
| CONTRACTOR | North Coast Drilling | ANGLE | Vertical | DATE/S | 27.05.05 |
| DRILL MODEL | Pioneer P120 | BEARING | - | GROUND LEVEL | ~RL 4.5m |
| MOUNTING | 6WD Utility Vehicle | DIAMETER | 100mm | LOCATION | Refer Figure 2 |

| DRILLING | STRATA | | | | MATERIAL DESCRIPTION | CONDITION | | | | | | | | | | OBSERVATION | | | | |
|---|--------------------------------|-------|-------|--------------|----------------------|--|---|----------------|-------------|----|-----|---|----|--------------|----|-------------|----------|--|------------------------------|--|
| | DCP TEST RESULTS (blows/100mm) | R.L. | DEPTH | GROUP SYMBOL | | LEGEND | SOIL TYPE Colour, Plasticity, Grain Size, Minor Components | WATER/MOISTURE | CONSISTENCY | | | | | | | | | | SOIL ORIGIN, STRUCTURE, ETC. | |
| | | AHD | m | | | | | | COHESIVE | | | | | NON COHESIVE | | | | | | |
| | | | | | | VS | | | SL | ST | VST | H | VL | LL | MD | DD | VD | | | |
| | | | | CL | | Gravelly CLAY: Mottled grey and orange brown, medium plasticity, fine gravel | | | | | | | | | | | RESIDUAL | | | |
| SPT @ 8.5m 7 / 17 / 17 N = 34 | | 9 | | | | | | | | | | | | | | | | | | |
| | -5.50 | 10.00 | | | | XW PHYLLITE: Mottled grey and orange brown, estimated extremely low strength | | | | | | | | | | | XW ROCK | | | |
| SPT @ 10.0m 13 / 30 for 150mm N = Refusal | -5.80 | 10.30 | | | | End of borehole at 10.00m | | | | | | | | | | | | | | |
| | | 11 | | | | | | | | | | | | | | | | | | |
| | | 12 | | | | | | | | | | | | | | | | | | |
| | | 13 | | | | | | | | | | | | | | | | | | |
| | | 14 | | | | | | | | | | | | | | | | | | |
| | | 15 | | | | | | | | | | | | | | | | | | |

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|--|--------------|
| NOTES | JOB |
| <ul style="list-style-type: none"> 1) Refusal on initial auger attempt @ 0.6m on unknown obstruction, shift approx. 1.0m forward 2) Groundwater encountered at approximately 1.65m. 3) Standpipe installed. | <p>84724</p> |

BOREHOLE/TEST/PIT - SETP SITE:R1.GPJ ARUP_AUS.GDT 27/07/05