

## BORELOG

SHEET NO: 1 OF 2

|   |             | CLIENT:   |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
|---|-------------|---|-------------------|----------------------|---------------|-----------------|-----------------|-----------------------|-------------------|----------------|---------|---------------------------|---------------------------------|-----------------------------|---------------------------|----------|--------------------------------------|-------------------|-----------|----|
|   |             | PROJECT:  |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
|   |             | LOCATION:   |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| PROJECT NO:   |             |   |                   | BOREHOLE NO: BH-14   |               |                 |                 | WATER LEVEL:          |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| DRILLING DATE STARTED:  |             |   |                   | BOREHOLE DIA: 100 mm |               |                 |                 | REDUCED LEVEL: 121.25 |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| DRILLING DATE COMPLETED:  |             |   |                   | CORE DIA: 52 mm      |               |                 |                 | NORTHING: 37174.682   |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| PREPARED BY:  |             |   |                   | DRILLING METHOD: RCG |               |                 |                 | EASTING: 18015.315    |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| Description   | Graphic Log | Depth (m)<br>(Thickness)  | Reduced Level (m) | Scale                | SPT (N-Value) |                 | Samples & Tests |                       |                   | Rock           |         | Geological Classification | Grain Size Analysis<br>G/SA/S/C | Unified Soil Classification | Shear Strength            |          | Bulk Density<br>(Mg/m <sup>3</sup> ) | Water Content (%) | Atterberg |    |
|   |             |   |                   |                      | Blows/cm      |                 | Legend          | Type & No.            | Depth (m)         | TCR (%)        | RQD (%) |                           |                                 |                             | C<br>(kN/m <sup>2</sup> ) | Φ<br>(°) |                                      |                   | LL        | PL |
|   |             |   |                   |                      | 0             | 20 40 60 80 100 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| Trial Pit (1.0mx1.0mx1.5m)<br>Hand Auger (1.5mx3.0m)<br>Stiff<br>Light yellowish brown<br>slightly gravelly sandy SILT<br>(BACK FILL)                         |             | (5.00)  |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| Firm<br>Purplish brown<br>sandy SILT<br>Residual soil<br>(JURONG FORMATION)   |             | 5.00<br>(1.00)<br>6.00  | 116.25<br>115.25  | 5<br>6               |               | 9/30<br>(4/5/4) | 7/30<br>(2/3/4) | 11/30<br>(3/5/6)      | 100/3<br>(25/100) | 100/0<br>(100) |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| Stiff<br>Reddish brown<br>slightly gravelly slightly sandy CLAY<br>Residual soil<br>(JURONG FORMATION)<br>TW1 (PD=2.73)                                       |             | (3.00)  |                   | 7                    |               |                 |                 |                       |                   |                |         |                           | 3/24/54/19                      | 3<br>(CU)                   | 46                        | 2.2      | 13                                   | 28                | 16        |    |
| Stiff<br>Yellowish brown and red<br>slightly gravelly slightly sandy CLAY<br>Residual soil<br>(JURONG FORMATION)<br>TW2 (PD=2.72)                             |             | (3.00)  |                   | 10                   |               |                 |                 |                       |                   |                |         |                           | 10/25/39/26                     | 46<br>(UU)                  | 0                         | 2.02     | 26                                   | 40                | 19        |    |
| Hard<br>Purplish brown slightly sandy CLAY<br>with rock fragments<br>Completely weathered<br>(JURONG FORMATION)   |             | (1.00)  | 109.25            | 12                   |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| Weak to moderately strong<br>Purplish brown<br>SILTSTONE<br>bedded, highly fractured<br>Highly weathered<br>(JURONG FORMATION)                                |             | (2.00)  |                   | 14                   |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| Weak to moderately weak<br>Purplish brown<br>SILTSTONE<br>bedded, highly fractured<br>Highly weathered<br>(JURONG FORMATION)<br>core loss at CR3-15.0m-15.10m |             | (2.00)  | 106.25            | 15                   |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| Moderately strong Purplish brown<br>MUDSTONE<br>bedded, Moderately weathered<br>(JURONG FORMATION)  |             | (2.00)  | 104.25            | 17                   |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| Moderately strong<br>Purplish brown<br>SILTSTONE<br>bedded, highly fractured at<br>19.0m-19.40m,<br>Moderately weathered<br>(JURONG FORMATION)                |             | (1.00)  | 102.25            | 19                   |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
|   |             | 20.00   | 101.25            | 20                   |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| TO BE CONTINUED   |             | REMARKS: Borehole terminated at 22.00m and grouted with cement. |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| LEGEND:   |             |   |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| -Pressuremeter Test (PMT)               -Standard Penetration Test (P)               -Attempted (UD), (OD), (PS), (MZ) & (DS)                                 |             |   |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| -Vane Shear Test (V)               -Undisturbed Sample (UD)               -Piston Sample (PS)   |             |   |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| -Permeability Test (PBT)               -Open Drive Thickwall Sample (OD)               -Core Run (CR)   |             |   |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |
| -Packer Test (PKT)               -Mazier Sample (MZ)               -Denison Sample (DS)   |             |   |                   |                      |               |                 |                 |                       |                   |                |         |                           |                                 |                             |                           |          |                                      |                   |           |    |