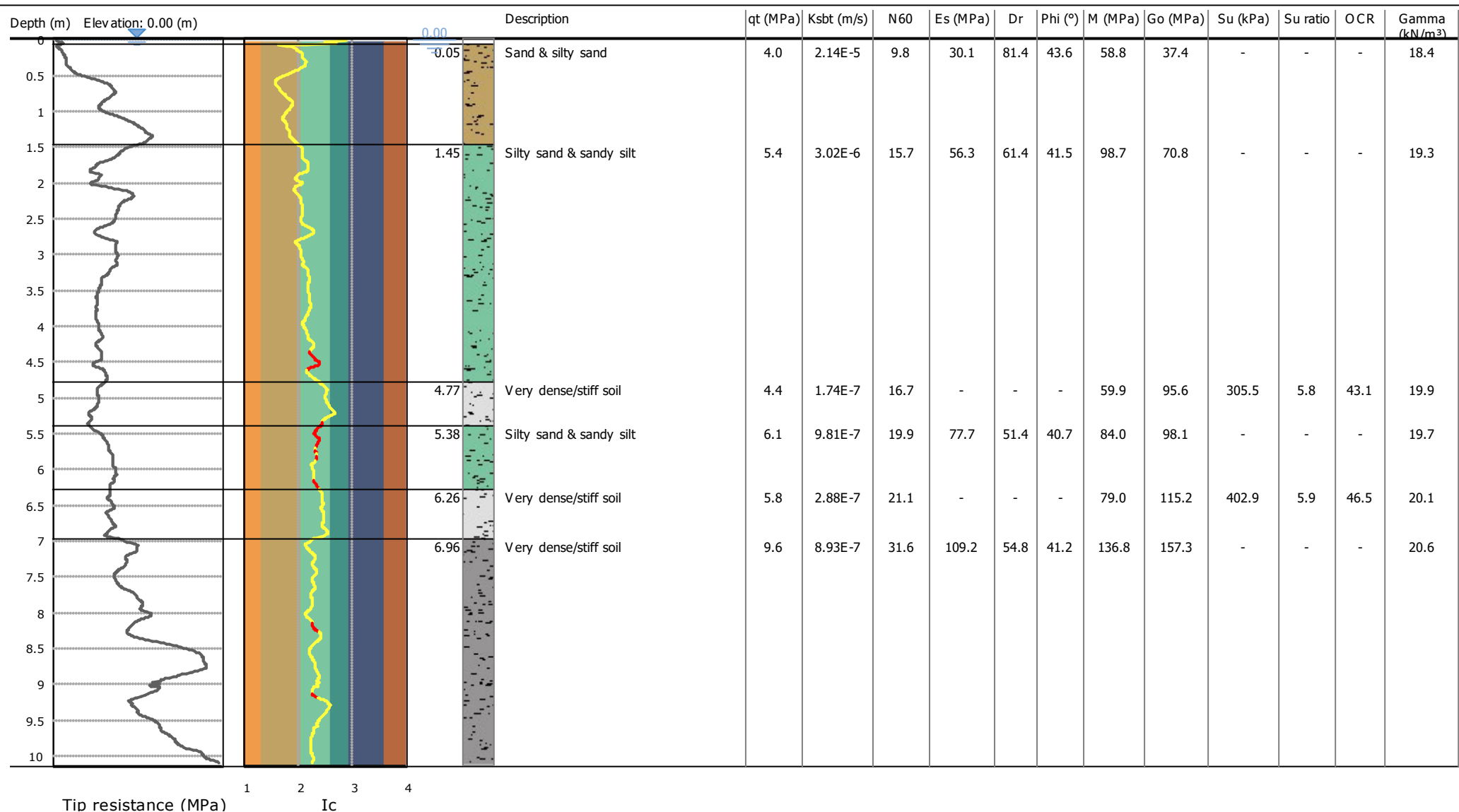
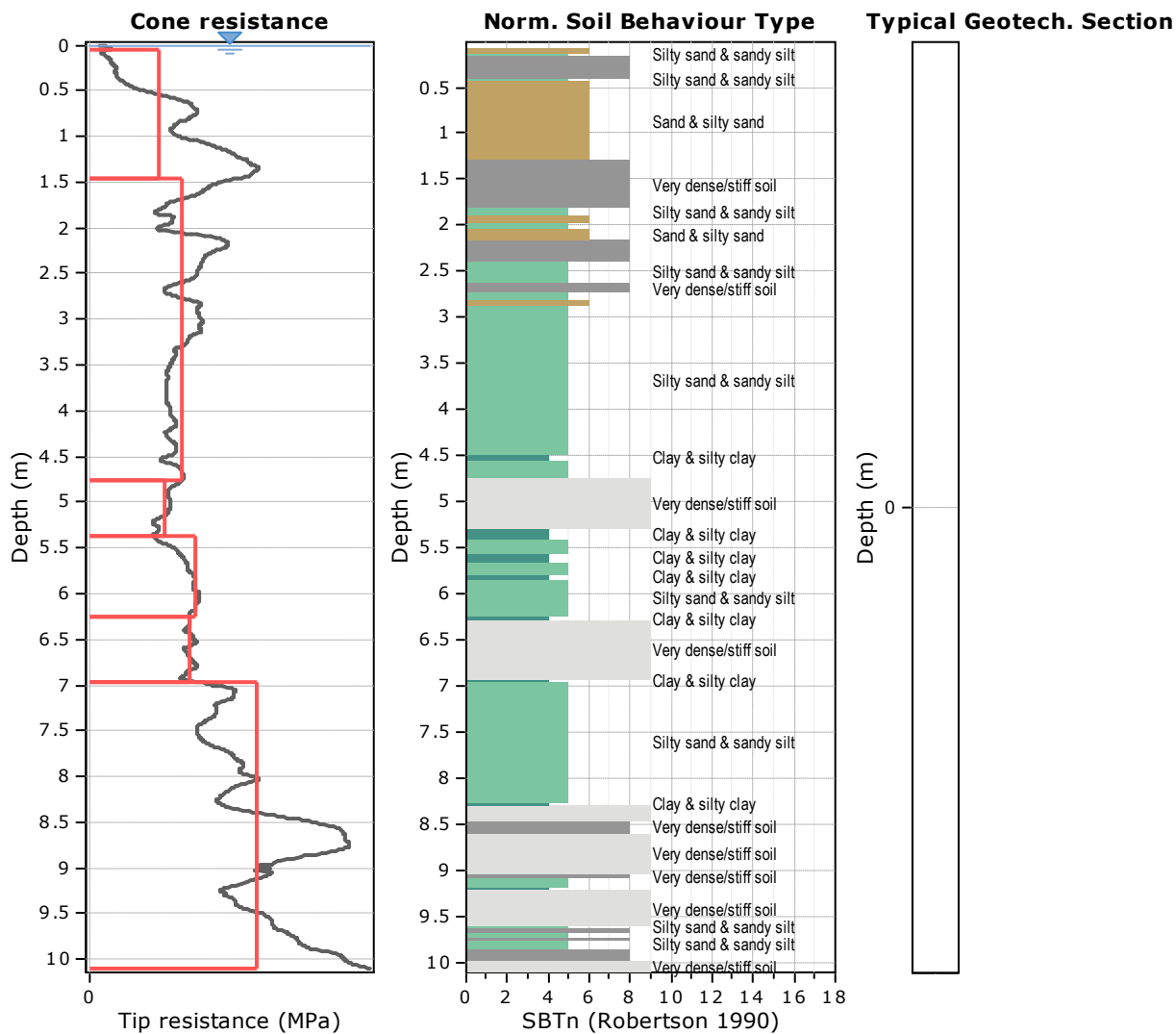


**Project:**

**Location:**





### Tabular results

#### ::: Layer No: 1 :::

**Code:** Layer\_1    **Start depth:** 0.05 (m), **End depth:** 1.45 (m)

**Description:** Sand & silty sand

#### Basic results

Total cone resistance: 3.96 ±3.05 MPa

Sleeve friction: 67.11 ±73.73 kPa

Ic: 1.85 ±0.17

SBT<sub>n</sub>: 6

SBTn description: Sand & silty sand

#### Estimation results

Permeability: 2.14E-05 ±3.88E-05 m/s

N<sub>60</sub>: 9.78 ±7.15 blows

Es: 30.06 ±21.25 MPa

Dr (%): 81.38 ±8.66

φ (degrees): 43.61 ±1.55 °

Unit weight: 18.38 ±1.25 kN/m<sup>3</sup>

Constrained Mod.: 58.77 ±42.94 MPa

Go: 37.38 ±26.61 MPa

Su: 0.00 ±0.00 kPa

Su ratio: 0.00 ±0.00

O.C.R.: 0.00 ±0.00

**:: Layer No: 2 ::****Code:** Layer\_2    **Start depth:** 1.45 (m), **End depth:** 4.77 (m)**Description:** Silty sand & sandy silt**Basic results**

Total cone resistance: 5.37 ±1.08 MPa

Sleeve friction: 139.33 ±47.80 kPa

Ic: 2.13 ±0.09

SBT<sub>n</sub>: 5SBT<sub>n</sub> description: Silty sand & sandy silt**Estimation results**

Permeability: 3.02E-06 ±2.62E-06 m/s

N<sub>60</sub>: 15.71 ±2.62 blows

Es: 56.33 ±8.32 MPa

Dr (%): 61.37 ±10.36

φ (degrees): 41.54 ±1.78 °

Unit weight: 19.31 ±0.42 kN/m<sup>3</sup>

Constrained Mod.: 98.72 ±26.81 MPa

Go: 70.80 ±10.61 MPa

Su: 0.00 ±0.00 kPa

Su ratio: 0.00 ±0.00

O.C.R.: 0.00 ±0.00

**:: Layer No: 3 ::****Code:** Layer\_3    **Start depth:** 4.77 (m), **End depth:** 5.38 (m)**Description:** Very dense/stiff soil**Basic results**

Total cone resistance: 4.37 ±0.43 MPa

Sleeve friction: 256.04 ±44.69 kPa

Ic: 2.54 ±0.07

SBT<sub>n</sub>: 9SBT<sub>n</sub> description: Very dense/stiff soil**Estimation results**

Permeability: 1.74E-07 ±9.70E-08 m/s

N<sub>60</sub>: 16.69 ±1.39 blows

Es: 0.00 ±0.00 MPa

Dr (%): 0.00 ±0.00

φ (degrees): 0.00 ±0.00 °

Unit weight: 19.93 ±0.25 kN/m<sup>3</sup>

Constrained Mod.: 59.89 ±6.02 MPa

Go: 95.58 ±7.85 MPa

Su: 305.55 ±30.69 kPa

Su ratio: 5.78 ±0.67

O.C.R.: 43.10 ±6.63

**:: Layer No: 4 ::****Code:** Layer\_4    **Start depth:** 5.38 (m), **End depth:** 6.26 (m)**Description:** Silty sand & sandy silt**Basic results**

Total cone resistance: 6.12 ±0.20 MPa

Sleeve friction: 192.76 ±17.96 kPa

Ic: 2.29 ±0.03

SBT<sub>n</sub>: 5SBT<sub>n</sub> description: Silty sand & sandy silt**Estimation results**

Permeability: 9.81E-07 ±1.89E-07 m/s

N<sub>60</sub>: 19.88 ±0.63 blows

Es: 77.72 ±2.59 MPa

Dr (%): 51.40 ±0.60

φ (degrees): 40.66 ±0.25 °

Unit weight: 19.74 ±0.10 kN/m<sup>3</sup>

Constrained Mod.: 84.01 ±2.74 MPa

Go: 98.09 ±3.63 MPa

Su: 0.00 ±0.00 kPa

Su ratio: 0.00 ±0.00

O.C.R.: 0.00 ±0.00

**:: Layer No: 5 ::****Code:** Layer\_5    **Start depth:** 6.26 (m), **End depth:** 6.96 (m)**Description:** Very dense/stiff soil**Basic results**

Total cone resistance: 5.77 ±0.26 MPa

Sleeve friction: 280.09 ±25.85 kPa

Ic: 2.46 ±0.04

SBT<sub>n</sub>: 9SBT<sub>n</sub> description: Very dense/stiff soil**Estimation results**

Permeability: 2.88E-07 ±7.19E-08 m/s

N<sub>60</sub>: 21.07 ±0.93 blows

Es: 0.00 ±0.00 MPa

Dr (%): 0.00 ±0.00

φ (degrees): 0.00 ±0.00 °

Unit weight: 20.14 ±0.11 kN/m<sup>3</sup>

Constrained Mod.: 79.04 ±3.59 MPa

Go: 115.21 ±5.30 MPa

Su: 402.89 ±18.20 kPa

Su ratio: 5.93 ±0.29

O.C.R.: 46.52 ±3.17

**:: Layer No: 6 ::****Code:** Layer\_6      **Start depth:** 6.96 (m), **End depth:** 10.10 (m)**Description:** Very dense/stiff soil**Basic results**

Total cone resistance: 9.63 ±2.75 MPa

Sleeve friction: 361.83 ±183.15 kPa

Ic: 2.30 ±0.09

SBT<sub>n</sub>: 8SBT<sub>n</sub> description: Very dense/stiff soil**Estimation results**

Permeability: 8.93E-07 ±5.97E-07 m/s

N<sub>60</sub>: 31.62 ±8.79 blows

Es: 109.19 ±27.80 MPa

Dr (%): 54.83 ±5.03

φ (degrees): 41.23 ±1.05 °

Unit weight: 20.63 ±0.60 kN/m<sup>3</sup>

Constrained Mod.: 136.84 ±40.74 MPa

Go: 157.35 ±44.92 MPa

Su: 0.00 ±0.00 kPa

Su ratio: 0.00 ±0.00

O.C.R.: 0.00 ±0.00

**Project:**
**Location:**
**Summary table of mean values**

| From depth<br>To depth<br>(m) | Thickness<br>(m) | Permeability<br>(m/s) | SPT <sub>N60</sub><br>(blows/30cm) | E <sub>s</sub><br>(MPa) | D <sub>r</sub><br>(%) | Friction<br>angle | Constrained<br>modulus, M<br>(MPa) | Shear<br>modulus, G <sub>0</sub><br>(MPa) | Undrained<br>strength, S <sub>u</sub><br>(kPa) | Undrained<br>strength<br>ratio | OCR    | Unit weight<br>(kN/m <sup>3</sup> ) |
|-------------------------------|------------------|-----------------------|------------------------------------|-------------------------|-----------------------|-------------------|------------------------------------|-------------------------------------------|------------------------------------------------|--------------------------------|--------|-------------------------------------|
| 0.05                          | 1.40             | 2.14E-05              | 9.8                                | 30.1                    | 81.4                  | 43.6              | 58.8                               | 37.4                                      | 0.0                                            | 0.0                            | 0.0    | 18.4                                |
| 1.45                          |                  | (±3.88E-05)           | (±7.2)                             | (±21.2)                 | (±8.7)                | (±1.6)            | (±42.9)                            | (±26.6)                                   | (±0.0)                                         | (±0.0)                         | (±0.0) | (±1.3)                              |
| 1.45                          | 3.32             | 3.02E-06              | 15.7                               | 56.3                    | 61.4                  | 41.5              | 98.7                               | 70.8                                      | 0.0                                            | 0.0                            | 0.0    | 19.3                                |
| 4.77                          |                  | (±2.62E-06)           | (±2.6)                             | (±8.3)                  | (±10.4)               | (±1.8)            | (±26.8)                            | (±10.6)                                   | (±0.0)                                         | (±0.0)                         | (±0.0) | (±0.4)                              |
| 4.77                          | 0.61             | 1.74E-07              | 16.7                               | 0.0                     | 0.0                   | 0.0               | 59.9                               | 95.6                                      | 305.5                                          | 5.8                            | 43.1   | 19.9                                |
| 5.38                          |                  | (±9.70E-08)           | (±1.4)                             | (±0.0)                  | (±0.0)                | (±0.0)            | (±6.0)                             | (±7.8)                                    | (±30.7)                                        | (±0.7)                         | (±6.6) | (±0.2)                              |
| 5.38                          | 0.88             | 9.81E-07              | 19.9                               | 77.7                    | 51.4                  | 40.7              | 84.0                               | 98.1                                      | 0.0                                            | 0.0                            | 0.0    | 19.7                                |
| 6.26                          |                  | (±1.89E-07)           | (±0.6)                             | (±2.6)                  | (±0.6)                | (±0.3)            | (±2.7)                             | (±3.6)                                    | (±0.0)                                         | (±0.0)                         | (±0.0) | (±0.1)                              |
| 6.26                          | 0.70             | 2.88E-07              | 21.1                               | 0.0                     | 0.0                   | 0.0               | 79.0                               | 115.2                                     | 402.9                                          | 5.9                            | 46.5   | 20.1                                |
| 6.96                          |                  | (±7.19E-08)           | (±0.9)                             | (±0.0)                  | (±0.0)                | (±0.0)            | (±3.6)                             | (±5.3)                                    | (±18.2)                                        | (±0.3)                         | (±3.2) | (±0.1)                              |
| 6.96                          | 3.14             | 8.93E-07              | 31.6                               | 109.2                   | 54.8                  | 41.2              | 136.8                              | 157.3                                     | 0.0                                            | 0.0                            | 0.0    | 20.6                                |
| 10.10                         |                  | (±5.97E-07)           | (±8.8)                             | (±27.8)                 | (±5.0)                | (±1.1)            | (±40.7)                            | (±44.9)                                   | (±0.0)                                         | (±0.0)                         | (±0.0) | (±0.6)                              |

Depth values presented in this table are measured from free ground surface