



| Layer | Starting Depth (m) | Soil type | Average Soil Properties        |                           |                           |             |
|-------|--------------------|-----------|--------------------------------|---------------------------|---------------------------|-------------|
|       |                    |           | $\gamma'$ (kN/m <sup>3</sup> ) | $c_{u \text{ top}}$ (kPa) | $c_{u \text{ bot}}$ (kPa) | $\phi'$ (°) |
| 1     | 0.0                | SAND      | 8.0                            | -                         | -                         | 22.5        |
| 2     | 3.5                | CLAY      | 6.0                            | 7.5                       | 7.5                       | -           |
| 3     | 6.7                | SAND      | 9.5                            | -                         | -                         | 32.5        |
| 4     | 14.6               | CLAY      | 9.0                            | 150.0                     | 150.0                     | -           |
| 5     | 28.0               | SAND      | 9.5                            | -                         | -                         | 32.5        |
| 6     | 29.2               | CLAY      | 9.0                            | 150.0                     | 150.0                     | -           |
| 7     | 40.4               | CLAY      | 9.0                            | 150.0                     | 150.0                     | -           |
| 8     | -                  | -         | -                              | -                         | -                         | -           |