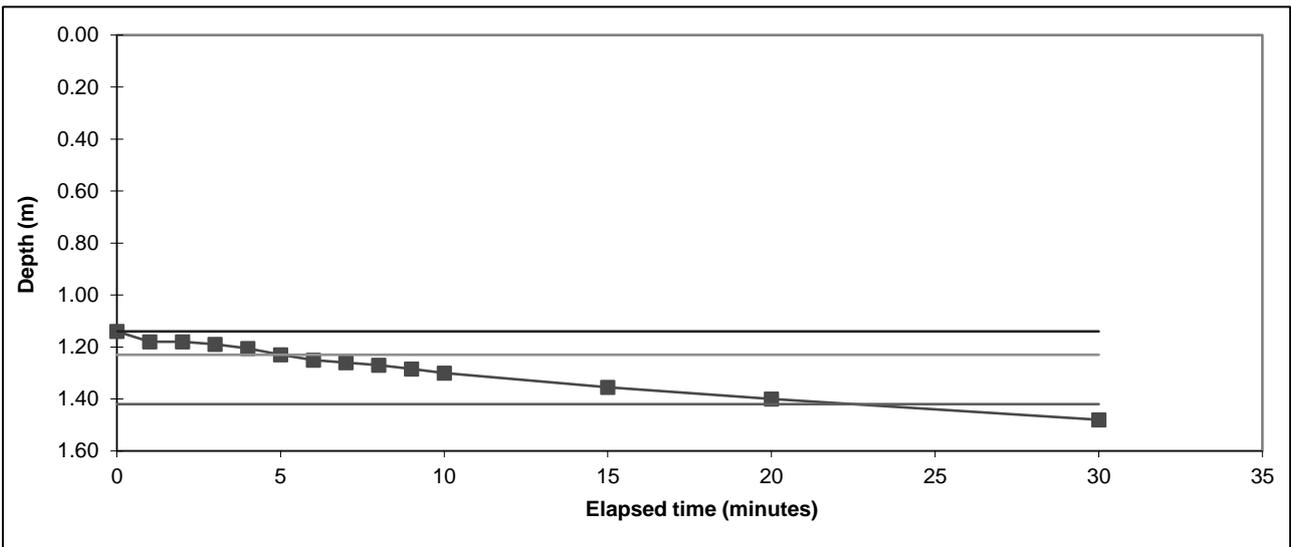


Rogers Geotechnical Services L

Soakaway Test

| | | | | | |
|---------------|--------|---------------------|------|-----------|------------|
| Trial Pit No: | TPSA02 | Test No: | 1 | Date: | 12/08/2025 |
| Length (m): | 2.100 | Datum Height: | | | 0.00 m agl |
| Width (m): | 1.40 | Granular infill: | None | | |
| Depth (m): | 1.51 | Porosity of infill: | 1 | (assumed) | |

| Elapsed time (minutes) | Water Depth (m below datum) | Elapsed time (minutes) | Water Depth (m below datum) |
|------------------------|-----------------------------|------------------------|-----------------------------|
| 0 | 1.140 | | |
| 1 | 1.180 | | |
| 2 | 1.180 | | |
| 3 | 1.190 | | |
| 4 | 1.205 | | |
| 5 | 1.230 | | |
| 6 | 1.250 | | |
| 7 | 1.260 | | |
| 8 | 1.270 | | |
| 9 | 1.285 | | |
| 10 | 1.300 | | |
| 15 | 1.355 | | |
| 20 | 1.400 | | |
| 30 | 1.480 | | |



| | | | |
|---|------|----------------------|-------|
| Start water depth for analysis (mbgl): | 1.14 | | |
| 75% effective depth (mbgl): | 1.23 | Elapsed time (mins): | 5.0 |
| 50% effective depth (mbgl): | 1.33 | | |
| 25% effective depth (mbgl): | 1.42 | Elapsed time (mins): | 22.5 |
| Base of soakage zone (mbgl): | 1.51 | | |
| Volume outflow between 75% and 25% effective depth (m ³): | | | 0.559 |
| Mean surface area of outflow (m ²): (side area at 50% effective depth + base area) | | | 4.20 |
| Time for outflow between 75% and 25% effective depth (mins): | | | 17.5 |

| | |
|--------------------------------------|---------------|
| Soil infiltration rate (m/s): | 1.3E-4 |
|--------------------------------------|---------------|

| | |
|----------------|---|
| Remarks | Results processed following BRE 365 (2007). Test terminated once crossed 75% value |
|----------------|---|

| | | | |
|----------------|----------------------------------|----------------|-----------------|
| Client: | Kingsman Homes | Job No: | C4503/25/E/8376 |
| Site: | Royd Moor House Farm, Thurlstone | | |