

Our Ref: 260201

16 March 2026

**Spitfire Enterprises Ltd,**  
C/O Atlas Planning Group,  
Bodenham House Barn,  
Bodenham,  
Salisbury,  
SP5 4EN

## BRE 365 Soakaway Assessment –High Post Business Park, Salisbury, Wiltshire, SP4 6AT

### Scope and Objectives

Clear Environmental Limited (Clear) was commissioned by Spitfire Enterprises Ltd (the 'Client') to undertake a BRE 365 Soakaway Assessment at High Post Business Park, Salisbury, Wiltshire, SP4 6AT (hereafter referred to as the 'site').

#### **Purpose of Works**

The purpose of this report is to provide information on the underlying ground conditions, infiltration rates and groundwater regime to assess the viability of infiltration and to inform future drainage design.

#### **Scope of Works**

- ≡ Progression of 5No. mechanically excavated trial pits to a maximum depth of 1.80m below ground level (bgl);
- ≡ Undertake 4No. Soakaway Tests in general accordance with BRE 365 guidance.
- ≡ Provision of a factual and interpretive report providing the calculated infiltration rates and records of ground conditions.

#### **Limitations**

This report presents Clear's observations, findings, and conclusions based on the information available and site conditions as understood at the time of reporting. These findings may be subject to change should material new information become available following the date of issue.

This report has been prepared specifically for the Client. It may not be relied upon by any other party without Clear's prior written agreement, which will typically require the execution of a reliance letter incorporating our standard terms and conditions. Where reliance has been granted to third parties, this will be noted in the report.

## Site Constraints

Soakaway testing was undertaken in general accordance with BRE Digest 365. Trial pits were excavated and filled with water to assess the infiltration rates.

Results reflect conditions at the test locations only and may not represent the wider site. Variations in soil type, groundwater or compaction could affect soakaway performance and should be considered in design.

Due to the observed infiltration characteristics, TP04 and TP05 could not be refilled the additional two times recommended within the guidance.

## Site Location

A site location plan is presented below.



**Figure 1: Site Location Plan**

## Ground Conditions

### Ground Conditions Encountered

The ground conditions encountered during the excavation of the trial pit are summarised below. An Exploratory Hole Location Plan is presented in Enclosure I.

Trial Pit Logs are presented in Enclosure II.

| Strata Description           | Top Depth (m bgl) | Bottom Depth (m bgl) | Thickness (m)                    |
|------------------------------|-------------------|----------------------|----------------------------------|
| Topsoil                      | Ground Level      | 0.25 – 0.55          | 0.25 – 0.50                      |
| Brown sandy gravelly<br>CLAY | 0.50              | 1.10                 | 0.60                             |
| Structureless CHALK          | 0.25 – 1.10       | >1.80                | >1.25<br>(Full depth not proven) |

#### Topsoil

Topsoil was encountered comprising brown sandy slightly gravelly clay from ground level to 0.25 - 0.50m below ground level (bgl).

#### Residual Soils

A completely weathered residual soil was recorded beneath the Topsoil at TP01, comprising brown sandy gravelly clay with some sand and gravel of flint and chalk to 1.10m bgl.

#### Bedrock Deposits - Seaford Chalk Formation

The Seaford Chalk Formation was then recorded beneath the Topsoil and residual soil, extending beyond the maximum depth achieved of 1.80m bgl, beyond which the excavator was not able to progress excavations.

These deposits were encountered as a structureless white chalk, comprising gravel in a sandy silty matrix.

### Groundwater

No groundwater was encountered within any of the exploratory hole locations.

Variations in groundwater conditions can occur in response to seasonal or climatic changes. However, when considering groundwater is recorded at circa 60m below ground level within BGS borehole SU13NE6, located approximately 100m south of the site, shallow groundwater is not considered to pose a constraint to infiltration drainage.

### Solution Feature Risk

The exploratory works did not identify significant variance in rock head depth across the site. Therefore, there is no visual evidence of pronounced dissolution features, voiding or irregular rockhead profile within the exploratory locations progressed.

Saturation moisture content tests were carried out on two samples of the chalk (TP02 at 0.60 - 1.50m and TP03 at 0.50 – 1.50m). The Dry Density of these deposits was 1.52 and 1.60 Mg/m<sup>3</sup>.

With reference to CIRIA C574, the calculated dry density of these samples indicates the chalk is of low to medium density.

As such, it is recommended that soakaways are sited at least 10m away from any foundations.

## Soakaway Testing Results

Soakaway testing was completed in general accordance with BRE 365.

The table below summarises the results, which are also contained as Enclosure III.

| Location | Target Strata (Depth) | Infiltration Rate (ms <sup>-1</sup> ) |                         | Infiltration Rate for Design | Comments                                                                                                                                                                   |                                                                                |
|----------|-----------------------|---------------------------------------|-------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| TP02     | Structureless CHALK   | Test 1                                | 2.51 x 10 <sup>-4</sup> | 1.99 x 10 <sup>-4</sup>      | The deposits at TP02 and TP03 are considered suitable for infiltration drainage, however, the results should be passed to a drainage engineer to design a suitable scheme. |                                                                                |
|          |                       | Test 2                                | 2.33 x 10 <sup>-4</sup> |                              |                                                                                                                                                                            |                                                                                |
|          |                       | Test 3                                | 1.99 x 10 <sup>-4</sup> |                              |                                                                                                                                                                            |                                                                                |
| TP03     | Structureless CHALK   | Test 1                                | 1.20 x 10 <sup>-4</sup> | 7.55 x 10 <sup>-5</sup>      |                                                                                                                                                                            |                                                                                |
|          |                       | Test 2                                | 7.99 x 10 <sup>-5</sup> |                              |                                                                                                                                                                            |                                                                                |
|          |                       | Test 3                                | 7.55 x 10 <sup>-5</sup> |                              |                                                                                                                                                                            |                                                                                |
| TP04     | Structureless CHALK   | Test 1                                | N/A                     | Fail                         | The water level did not fall between 75% and 25% of the effective depth over the 4 - 5 hour monitoring period at TP04 and TP05                                             |                                                                                |
|          |                       | Test 2                                | N/A                     |                              |                                                                                                                                                                            |                                                                                |
|          |                       | Test 3                                | N/A                     |                              |                                                                                                                                                                            |                                                                                |
| TP05     | Structureless CHALK   | Test 1                                | N/A                     | Fail                         |                                                                                                                                                                            | As such, an infiltration rate can not be calculated in accordance with BRE 365 |
|          |                       | Test 2                                | N/A                     |                              |                                                                                                                                                                            |                                                                                |
|          |                       | Test 3                                | N/A                     |                              |                                                                                                                                                                            |                                                                                |

## Closing Remarks

The site is underlain by topsoil and (locally) residual sandy gravelly clay over shallow Seaford Chalk Formation. Chalk was encountered at shallow depth across all trial pit locations and extends beyond the maximum depth of excavation.

No groundwater was encountered during the works. Reference to nearby BGS borehole data indicates a regional groundwater table at significant depth (circa 60m bgl), and groundwater is therefore not considered to constrain infiltration drainage at the site.

Soakaway testing has demonstrated variability in infiltration characteristics across the site. In the northern portion (TP02 and TP03), calculated design infiltration rates of 1.99 x 10<sup>-4</sup> m/s (TP02) and 7.55 x 10<sup>-5</sup> m/s (TP03) were derived in accordance with BRE 365. These values confirm that infiltration is considered feasible in these areas.

Testing within the central portion (TP04 and TP05) did not achieve sufficient drawdown within the monitoring period to allow calculation of infiltration rates in accordance with BRE 365.

The observed variability may reflect localised differences in chalk weathering, fracture density and secondary constituent percentage (increased silt).

The results of the testing should be passed to a drainage engineer to design a suitable scheme.

**Ben Lawry BSc(Hons) FGS**

Director

**For and on behalf of Clear Environmental Ltd**

Mobile: [REDACTED]

Email: [REDACTED]

**Enclosure I – Exploratory Hole Location Plan**



Legend

- Locations 
- Site Boundary 

|                                                        |               |
|--------------------------------------------------------|---------------|
| Figure Title                                           |               |
| Exploratory Hole Location Plan                         |               |
| Site Location                                          |               |
| High Post Business Park, Salisbury, Wiltshire, SP4 6AT |               |
| Job Number                                             | Figure Number |
| 260201                                                 | 260201.01     |
| Prepared By                                            | Date          |
| BJL                                                    | 16/03/2026    |
| Client                                                 |               |
| Spitfire Enterprises Ltd                               |               |

**Enclosure II – Exploratory Hole Logs**



|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                  |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Remarks</b><br>1) All recorded strengths and densities based on visual observations of ease of excavation.<br>2) No direct visual or olfactory evidence of mobile contamination.<br>3) Groundwater was not encountered.<br>4) Trial pit terminated at 1.8m within chalk.<br>5) On completion, the trial pit was backfilled with arisings and made safe at the surface. | <b>Method, Plant, Stability, Dimensions</b><br>0.00 - 1.80m TP<br>Stable<br><div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 60px; height: 40px; margin-right: 10px;"></div> <div> <math>L = 1.50m</math><br/> <math>W = 0.40m</math> </div> </div> | <b>Logger</b><br>BL |
|                                                                                                                                                                                                                                                                                                                                                                           | <b>Checked By:</b> BL <b>Approved By:</b> BL                                                                                                                                                                                                                                                     |                     |

|                                   |
|-----------------------------------|
| Checked By: BL    Approved By: BL |
|-----------------------------------|



# Trial Pit

TP02

SUPPLEMENTARY INFO

|                                                    |                       |                          |                        |               |
|----------------------------------------------------|-----------------------|--------------------------|------------------------|---------------|
| Hole Type<br>TP                                    | Easting               | Northing                 | Ground Level (m)       | Scale<br>1:25 |
| Project Name<br>High Post Business Park, Salisbury | Project No.<br>260201 | Start Date<br>2026-02-09 | End Date<br>2026-02-09 |               |

|                                    |                                           |            |
|------------------------------------|-------------------------------------------|------------|
| Client<br>Spitfire Enterprises Ltd | Consultant<br>Clear Environmental Limited | Contractor |
|------------------------------------|-------------------------------------------|------------|

## Sample Details

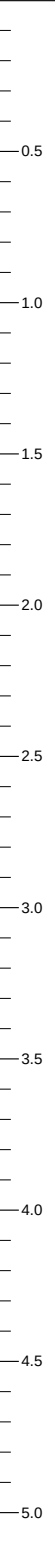
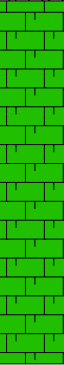
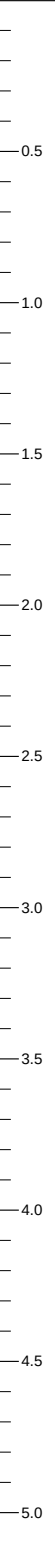
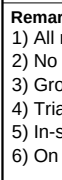
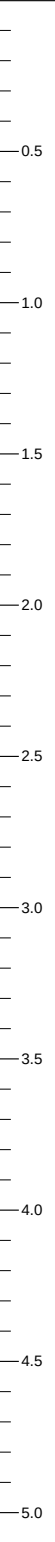
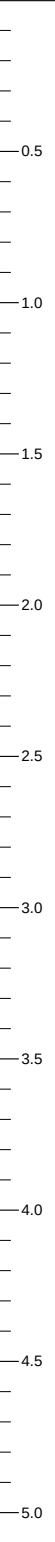
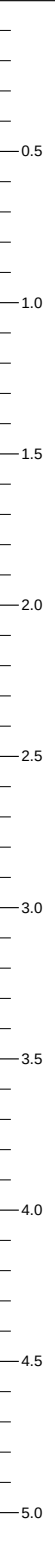
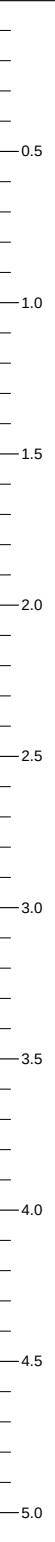
| Sample ID | Type | Water Level (m) | Remarks |
|-----------|------|-----------------|---------|
|           | B    |                 |         |

|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                          |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------|
| Remarks<br>1) All recorded strengths and densities based on visual observations of ease of excavation.<br>2) No direct visual or olfactory evidence of mobile contamination.<br>3) Groundwater was not encountered.<br>4) Trial pit terminated at 1.5m within chalk.<br>5) In-situ soakaway test undertaken in pit.<br>6) On completion, the trial pit was backfilled with arisings and made safe at the surface ... | Method, Plant, Stability, Dimensions<br>0.00 - 1.50m TP<br>Stable<br><div><div>L = 1.40m</div><div>W = 0.35m</div></div> | Logger<br>BL |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------|

Checked By: BL    Approved By: BL

|                                                    |                       |                          |                        |               |
|----------------------------------------------------|-----------------------|--------------------------|------------------------|---------------|
| Hole Type<br>TP                                    | Easting               | Northing                 | Ground Level (m)       | Scale<br>1:25 |
| Project Name<br>High Post Business Park, Salisbury | Project No.<br>260201 | Start Date<br>2026-02-09 | End Date<br>2026-02-09 |               |

|                                    |                                           |            |
|------------------------------------|-------------------------------------------|------------|
| Client<br>Spitfire Enterprises Ltd | Consultant<br>Clear Environmental Limited | Contractor |
|------------------------------------|-------------------------------------------|------------|

| Inst/<br>Backfill                                                                  | Water<br>Levels | Samples and Tests |              |         | Level<br>(m) | Depth<br>(m)<br><small>(thickness)</small> | Strata                                                                             |                                                                                                                                                  |                                                                                      |
|------------------------------------------------------------------------------------|-----------------|-------------------|--------------|---------|--------------|--------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                                                                                    |                 | Depth (m)         | Type/<br>Ref | Results |              |                                            | Legend                                                                             | Description                                                                                                                                      |                                                                                      |
|    |                 |                   |              |         |              | (0.30)                                     |   | Soft sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub-rounded flint and chalk (TOPSOIL).                           |  |
|                                                                                    |                 |                   |              |         |              | 0.30                                       |   | Structureless CHALK composed of medium dense slightly sandy very silty subangular and subrounded fine to coarse GRAVEL (SEAFORD CHALK FORMATION) |                                                                                      |
|   |                 |                   |              |         |              | (1.20)                                     |  |                                                                                                                                                  |  |
|                                                                                    |                 |                   |              |         |              | 1.50                                       |                                                                                    | End of Trial Pit at 1.50m                                                                                                                        |                                                                                      |
|  |                 |                   |              |         |              |                                            |                                                                                    |                                                                                                                                                  |  |
|                                                                                    |                 |                   |              |         |              |                                            |                                                                                    |                                                                                                                                                  |                                                                                      |
|  |                 |                   |              |         |              |                                            |                                                                                    |                                                                                                                                                  |  |
|                                                                                    |                 |                   |              |         |              |                                            |                                                                                    |                                                                                                                                                  |                                                                                      |
|  |                 |                   |              |         |              |                                            |                                                                                    |                                                                                                                                                  |  |
|                                                                                    |                 |                   |              |         |              |                                            |                                                                                    |                                                                                                                                                  |                                                                                      |
|  |                 |                   |              |         |              |                                            |                                                                                    |                                                                                                                                                  |  |
|                                                                                    |                 |                   |              |         |              |                                            |                                                                                    |                                                                                                                                                  |                                                                                      |

|                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                 |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Remarks</b><br>1) All recorded strengths and densities based on visual observations of ease of excavation.<br>2) No direct visual or olfactory evidence of mobile contamination.<br>3) Groundwater was not encountered.<br>4) Trial pit terminated at 1.5m within chalk.<br>5) In-situ soakaway test undertaken in pit.<br>6) On completion, the trial pit was backfilled with arisings and made safe at the surface ... | <b>Method, Plant, Stability, Dimensions</b><br>0.00 - 1.50m TP<br>Stable<br><div><div>L = 1.40m</div><div>W = 0.38m</div></div> | <b>Logger</b><br>BL |
|                                                                                                                                                                                                                                                                                                                                                                                                                             | Checked By: BL    Approved By: BL                                                                                               |                     |



Checked By: BL    Approved By: BL



# Trial Pit

TP04

SUPPLEMENTARY INFO

|                                                    |                       |                          |                        |               |
|----------------------------------------------------|-----------------------|--------------------------|------------------------|---------------|
| Hole Type<br>TP                                    | Easting               | Northing                 | Ground Level (m)       | Scale<br>1:25 |
| Project Name<br>High Post Business Park, Salisbury | Project No.<br>260201 | Start Date<br>2026-02-09 | End Date<br>2026-02-09 |               |

|                                    |                                           |            |
|------------------------------------|-------------------------------------------|------------|
| Client<br>Spitfire Enterprises Ltd | Consultant<br>Clear Environmental Limited | Contractor |
|------------------------------------|-------------------------------------------|------------|

## Sample Details

| Sample ID | Type | Water Level (m) | Remarks |
|-----------|------|-----------------|---------|
|           | B    |                 |         |

|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                          |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------|
| Remarks<br>1) All recorded strengths and densities based on visual observations of ease of excavation.<br>2) No direct visual or olfactory evidence of mobile contamination.<br>3) Groundwater was not encountered.<br>4) Trial pit terminated at 1.5m within chalk.<br>5) In-situ soakaway test undertaken in pit.<br>6) On completion, the trial pit was backfilled with arisings and made safe at the surface ... | Method, Plant, Stability, Dimensions<br>0.00 - 1.50m TP<br>Stable<br><div><div>L = 1.40m</div><div>W = 0.35m</div></div> | Logger<br>BL |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------|

Checked By: BL    Approved By: BL



Checked By: BL    Approved By: BL

**Enclosure III – BRE 365 Soakaway Test Results**



|                |        |          |      |
|----------------|--------|----------|------|
| Project Number | 260201 | Location | TP02 |
|----------------|--------|----------|------|

Calculated Infiltration Rate (ms<sup>-1</sup>) = 1.99E-04

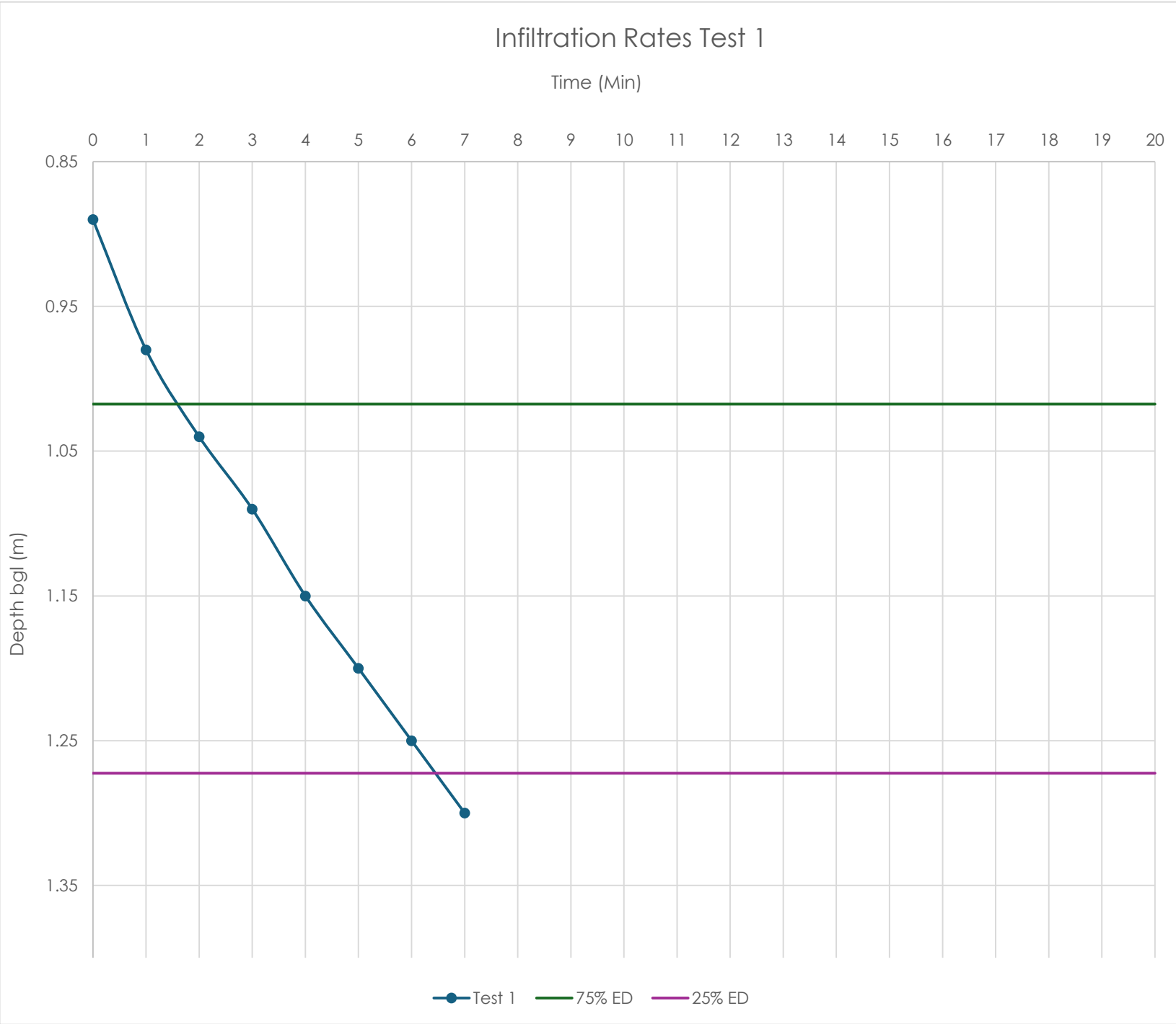
| Time (min) | Water Level bgl (m) |        |        |
|------------|---------------------|--------|--------|
|            | Test No.            |        |        |
|            | Test 1              | Test 2 | Test 3 |
| 0          | 0.89                | 0.80   | 0.80   |
| 1          | 0.98                | 0.90   | 0.89   |
| 2          | 1.04                | 0.97   | 0.95   |
| 3          | 1.09                | 1.04   | 1.00   |
| 4          | 1.15                | 1.10   | 1.06   |
| 5          | 1.20                | 1.13   | 1.10   |
| 6          | 1.25                | 1.16   | 1.14   |
| 7          |                     | 1.20   | 1.18   |
| 8          |                     | 1.23   | 1.21   |
| 9          |                     | 1.26   | 1.25   |
| 10         |                     |        |        |
| 11         |                     |        |        |
| 12         |                     |        |        |
| 13         |                     |        |        |
| 14         |                     |        |        |
| 15         |                     |        |        |
| 16         |                     |        |        |
| 17         |                     |        |        |
| 18         |                     |        |        |
| 19         |                     |        |        |
|            |                     |        |        |
|            |                     |        |        |

**Notes**  
Soakaway testing was undertaken in general accordance with BRE Digest 365. A trial pit was excavated and filled with water to assess the infiltration rates.

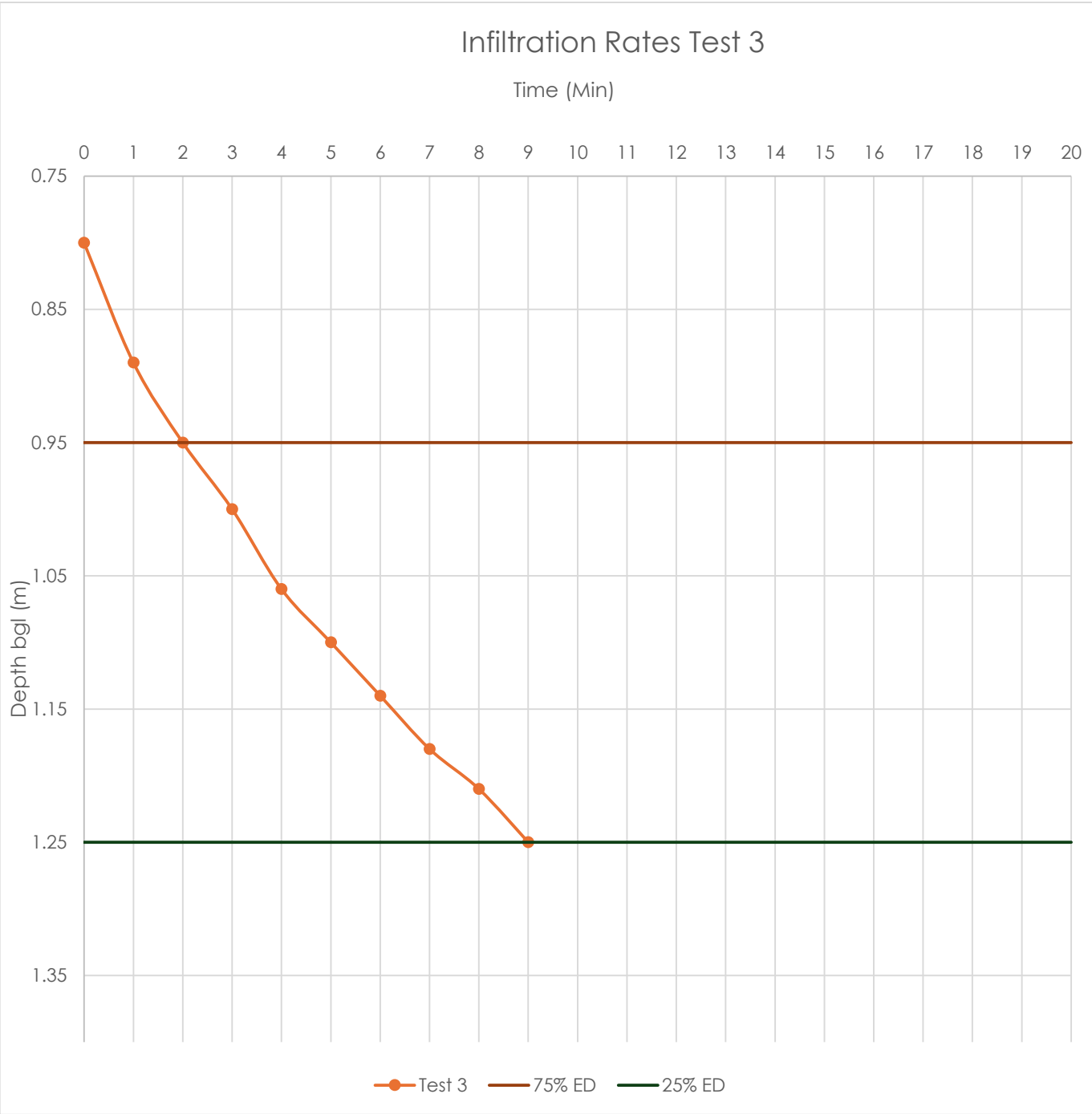
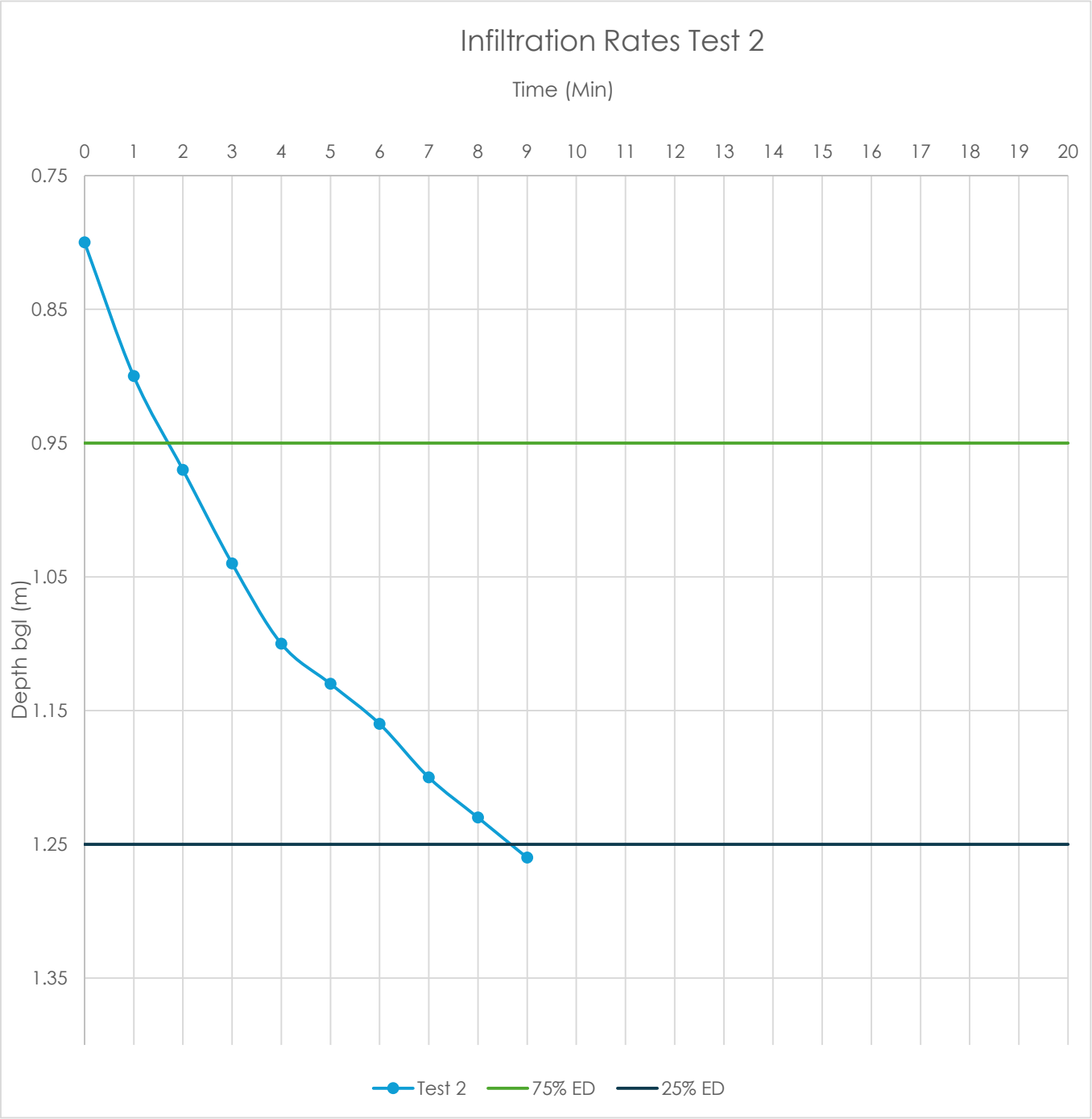
Results reflect conditions at the test location only and may not represent the wider site. Variations in soil type, groundwater or compaction could affect soakaway performance and should be considered in design.

Trial Pit excavated to 1.50m bgl, collapsed to 1.40m bgl on addition of water.

|             |             |             |
|-------------|-------------|-------------|
| Test 1 Rate | Test 2 Rate | Test 3 Rate |
| 2.51E-04    | 2.33E-04    | 1.99E-04    |



|               |      |                |     |               |     |
|---------------|------|----------------|-----|---------------|-----|
| Pit Width (m) | 0.35 | Pit Length (m) | 1.4 | Pit Depth (m) | 1.5 |
|---------------|------|----------------|-----|---------------|-----|



|                |        |          |      |
|----------------|--------|----------|------|
| Project Number | 260201 | Location | TP03 |
|----------------|--------|----------|------|

[illegible]

## Notes

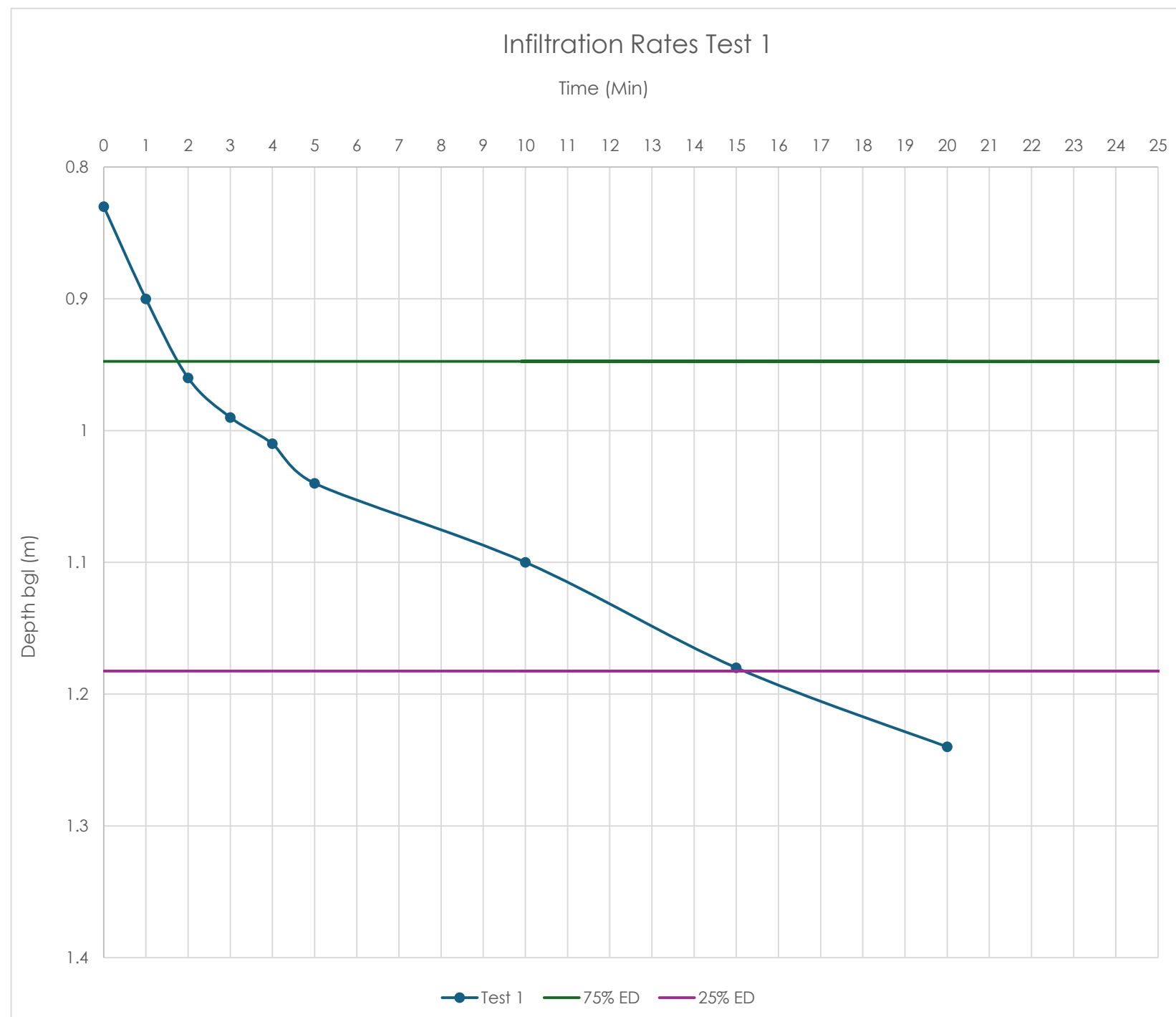
Soakaway testing was undertaken in general accordance with BRE Digest 365. A trial pit was excavated and filled with water to assess the infiltration rates.

Results reflect conditions at the test location only and may not represent the wider site. Variations in soil type, groundwater or compaction could affect soakaway performance and should be considered in design.

Trial Pit excavated to 1.50m bgl, collapsed to 1.30m bgl on addition of water.

| Test 1 Rate | Test 2 Rate | Test 3 Rate |
|-------------|-------------|-------------|
| 1.20E-04    | 7.99E-05    | 7.55E-05    |

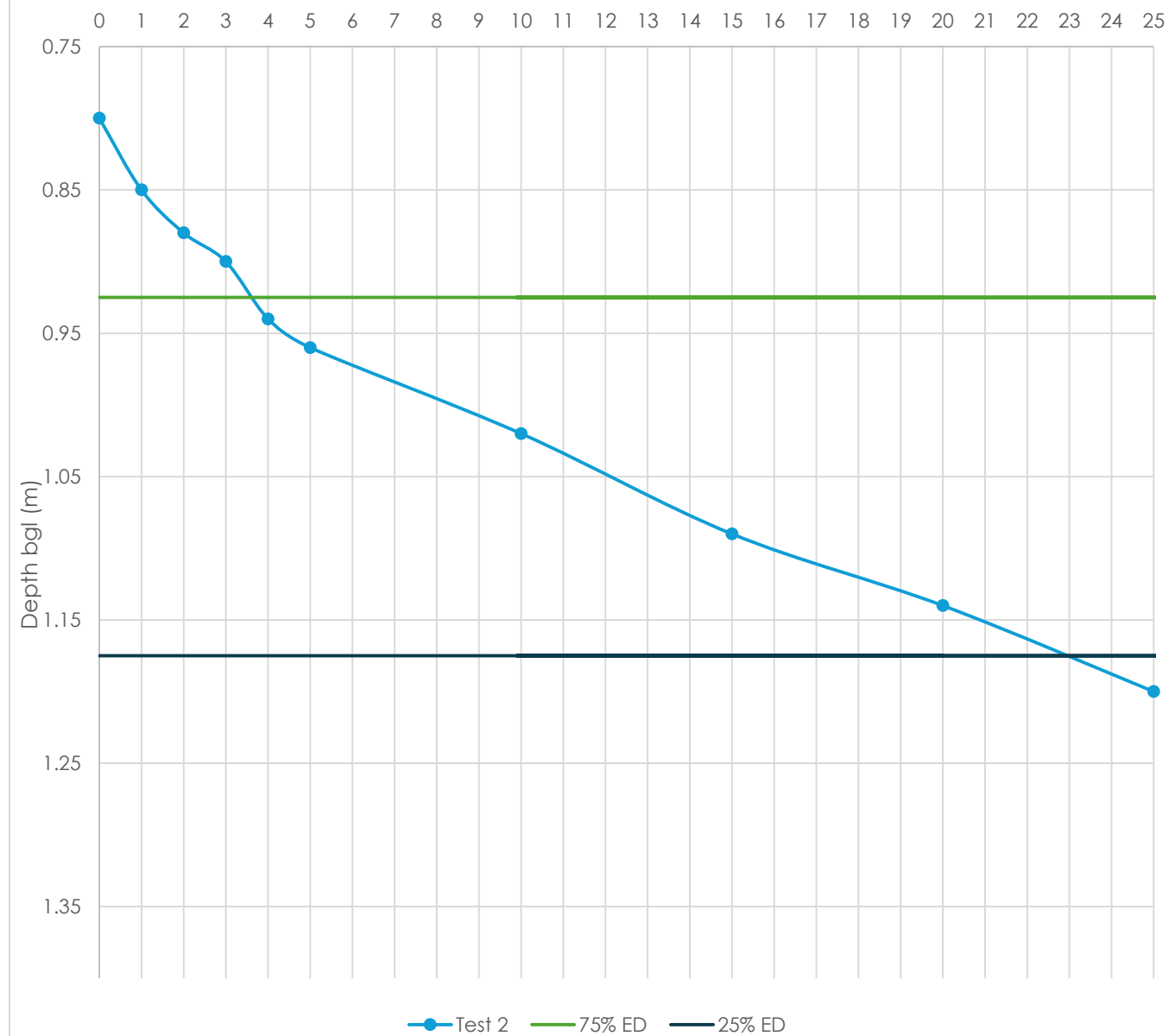
**Calculated Infiltration Rate ( $\text{ms}^{-1}$ ) = 7.55E-05**



|                      |      |                       |     |                      |     |
|----------------------|------|-----------------------|-----|----------------------|-----|
| <b>Pit Width (m)</b> | 0.38 | <b>Pit Length (m)</b> | 1.4 | <b>Pit Depth (m)</b> | 1.5 |
|----------------------|------|-----------------------|-----|----------------------|-----|

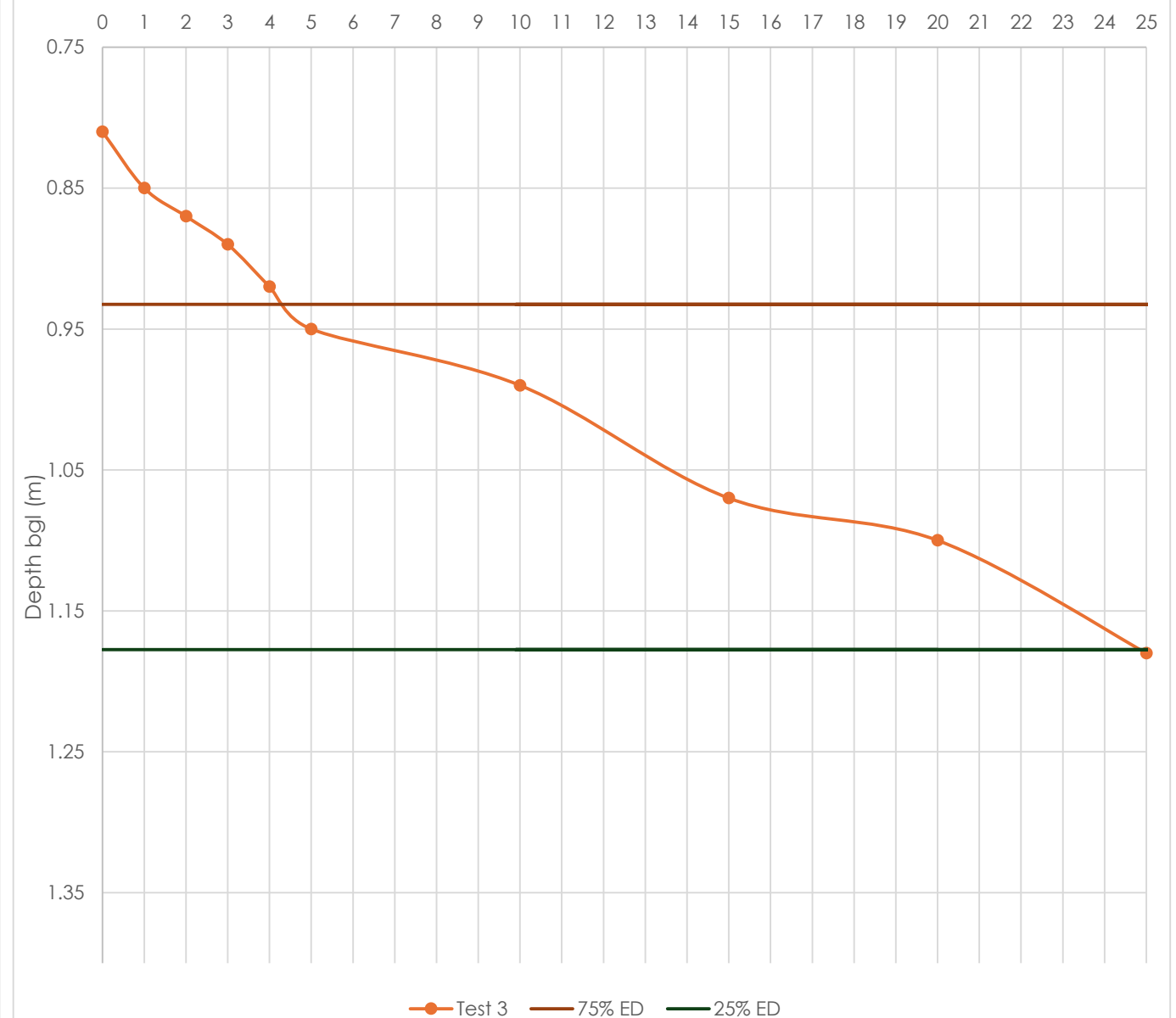
## Infiltration Rates Test 2

Time (Min)



## Infiltration Rates Test 3

Time (Min)





|                |        |          |      |
|----------------|--------|----------|------|
| Project Number | 260201 | Location | TP04 |
|----------------|--------|----------|------|

Calculated Infiltration Rate (ms<sup>-1</sup>)

=

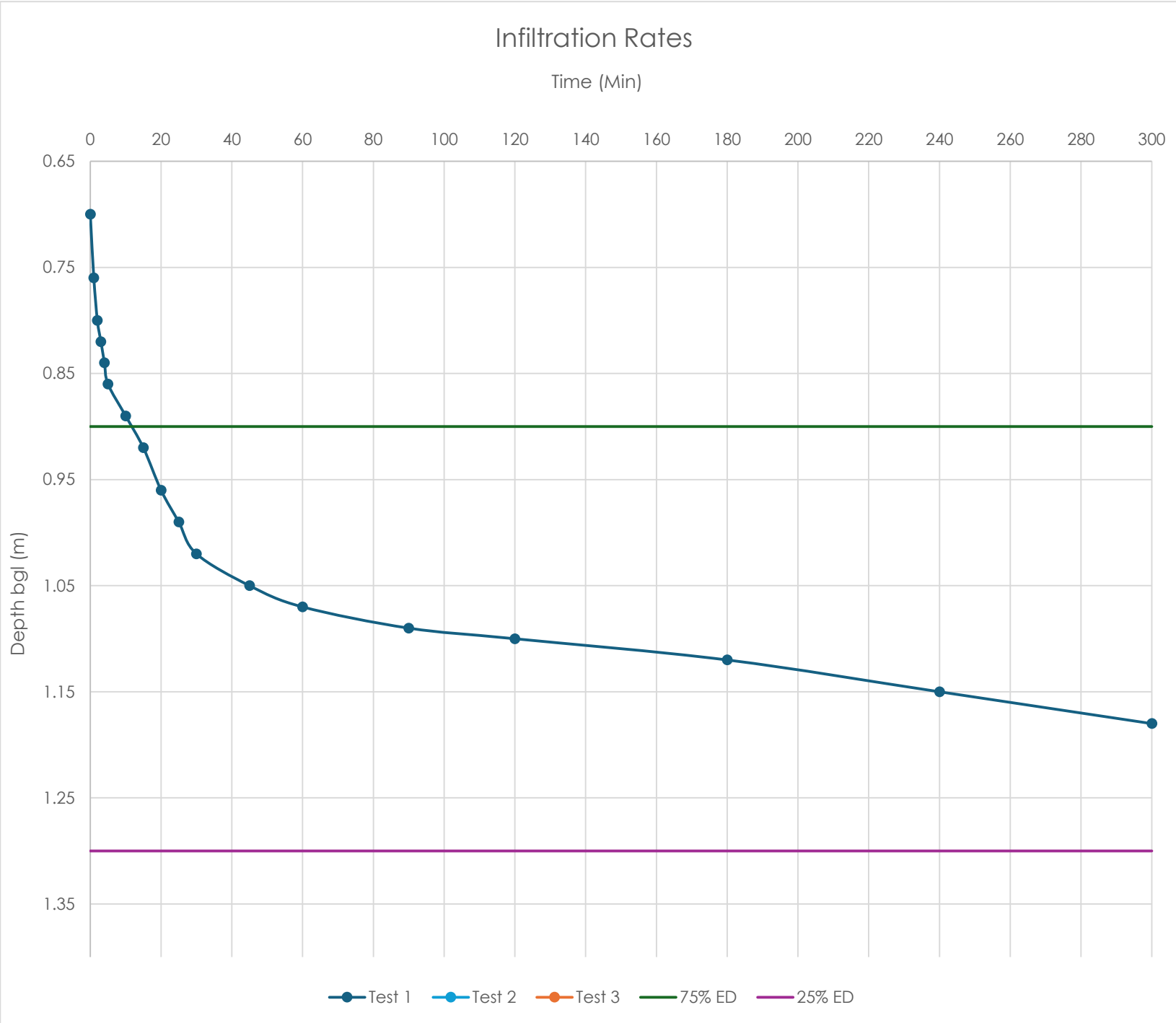
FAIL

| Time (min) | Water Level bgl (m) |        |        |
|------------|---------------------|--------|--------|
|            | Test No.            |        |        |
|            | Test 1              | Test 2 | Test 3 |
| 0          | 0.70                |        |        |
| 1          | 0.76                |        |        |
| 2          | 0.80                |        |        |
| 3          | 0.82                |        |        |
| 4          | 0.84                |        |        |
| 5          | 0.86                |        |        |
| 10         | 0.89                |        |        |
| 15         | 0.92                |        |        |
| 20         | 0.96                |        |        |
| 25         | 0.99                |        |        |
| 30         | 1.02                |        |        |
| 45         | 1.05                |        |        |
| 60         | 1.07                |        |        |
| 90         | 1.09                |        |        |
| 120        | 1.10                |        |        |
| 180        | 1.12                |        |        |
| 240        | 1.15                |        |        |
| 300        | 1.18                |        |        |
|            |                     |        |        |

**Notes**  
Soakaway testing was undertaken in general accordance with BRE Digest 365. A trial pit was excavated and filled with water once to assess the infiltration rates.

Results reflect conditions at the test location only and may not represent the wider site. Variations in soil type, groundwater or compaction could affect soakaway performance and should be considered in design.

|             |             |             |
|-------------|-------------|-------------|
| Test 1 Rate | Test 2 Rate | Test 3 Rate |
| N/A         | N/A         | N/A         |



|               |      |                |     |               |     |
|---------------|------|----------------|-----|---------------|-----|
| Pit Width (m) | 0.35 | Pit Length (m) | 1.4 | Pit Depth (m) | 1.5 |
|---------------|------|----------------|-----|---------------|-----|

|                |        |          |      |
|----------------|--------|----------|------|
| Project Number | 260201 | Location | TP05 |
|----------------|--------|----------|------|

Calculated Infiltration Rate (ms<sup>-1</sup>)

=

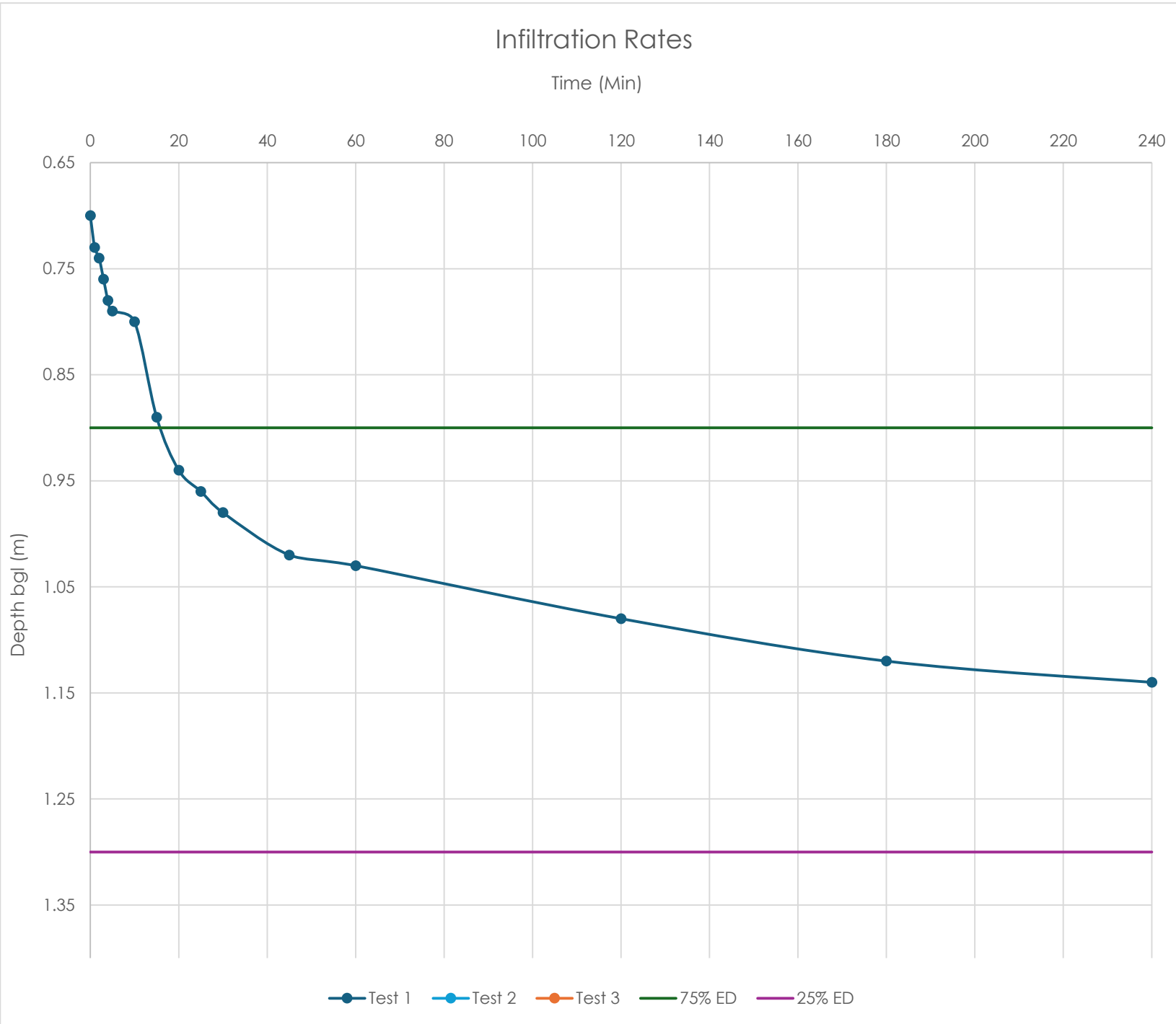
FAIL

| Time (min) | Water Level bgl (m) |        |        |
|------------|---------------------|--------|--------|
|            | Test 1              | Test 2 | Test 3 |
| 0          | 0.70                |        |        |
| 1          | 0.73                |        |        |
| 2          | 0.74                |        |        |
| 3          | 0.76                |        |        |
| 4          | 0.78                |        |        |
| 5          | 0.79                |        |        |
| 10         | 0.80                |        |        |
| 15         | 0.89                |        |        |
| 20         | 0.94                |        |        |
| 25         | 0.96                |        |        |
| 30         | 0.98                |        |        |
| 45         | 1.02                |        |        |
| 60         | 1.03                |        |        |
| 90         |                     |        |        |
| 120        | 1.08                |        |        |
| 180        | 1.12                |        |        |
| 240        | 1.14                |        |        |
|            |                     |        |        |
|            |                     |        |        |

**Notes**  
Soakaway testing was undertaken in general accordance with BRE Digest 365. A trial pit was excavated and filled with water once to assess the infiltration rates.

Results reflect conditions at the test location only and may not represent the wider site. Variations in soil type, groundwater or compaction could affect soakaway performance and should be considered in design.

|             |             |             |
|-------------|-------------|-------------|
| Test 1 Rate | Test 2 Rate | Test 3 Rate |
| N/A         | N/A         | N/A         |



|               |     |                |     |               |     |
|---------------|-----|----------------|-----|---------------|-----|
| Pit Width (m) | 0.4 | Pit Length (m) | 1.4 | Pit Depth (m) | 1.5 |
|---------------|-----|----------------|-----|---------------|-----|

**Enclosure IV – Geotechnical Laboratory Testing**

|    |        | <b>Saturation Water Content - Summary of Results</b><br><b>Tested in accordance with BS1377-2 :2022 &amp; BS EN ISO 17892-2:2014</b>                                       |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|-------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|---------------------------------------------------------------------|----------|-----------------------|--------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------|---------|
| Job No.<br>38468                                                                    |        | Project Name<br>High Post Business Park,Wiltshire                                                                                                                          |           |      |                                                                     |          |                       | Programme<br>Samples received 11/02/2026<br>Schedule received 11/02/2026 |                         |                                                                 |         |
| Project No.<br>260201                                                               |        | Client<br>Clear Environmental                                                                                                                                              |           |      |                                                                     |          |                       | Project started 12/02/2026<br>Testing Started 23/02/2026                 |                         |                                                                 |         |
| Hole No.                                                                            | Sample |                                                                                                                                                                            |           |      | Description                                                         | SWC<br>% | Water<br>Content<br>% | Bulk<br>Density<br>Mg/m3                                                 | Dry<br>Density<br>Mg/m3 | Volume<br>cm3                                                   | Remarks |
|                                                                                     | Ref    | Top<br>m                                                                                                                                                                   | Base<br>m | Type |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
| TP02                                                                                | -      | 0.60                                                                                                                                                                       | 1.50      | D    | Off white CHALK consisting of fmc chalk fragments in a putty matrix | 28.9     | 28.1                  | 1.94                                                                     | 1.52                    | 58                                                              |         |
| TP03                                                                                | -      | 0.50                                                                                                                                                                       | 1.50      | D    | Off white CHALK consisting of fmc chalk fragments in a putty matrix | 25.6     | 24.9                  | 1.99                                                                     | 1.60                    | 54                                                              |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|                                                                                     |        |                                                                                                                                                                            |           |      |                                                                     |          |                       |                                                                          |                         |                                                                 |         |
|  |        | <b>Test Report by K4 SOILS LABORATORY</b><br><b>Unit 8 Olds Close Olds Approach</b><br><b>Watford Herts WD18 9RU</b><br><b>Tel: 01923 711 288 Email: James@k4soils.com</b> |           |      |                                                                     |          |                       |                                                                          |                         | <b>Checked and Approved</b><br>Initials J.P<br>Date: 26/02/2026 |         |
| 2519                                                                                |        | Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)                                                                                                               |           |      |                                                                     |          |                       |                                                                          |                         | MSF-5-R18                                                       |         |

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