FACTUAL DATA

Site

UNIT 8 SAWMILLS YARD,
WOODLAND VIEW,
SOUTH NEWTON, SALISBURY,
WILTSHIRE SP2 0QW

Client

B&E SERVICES LTD

Report Ref
24/12905/JAM

Issued
JUNE 2024

ALBURY S.I. LTD

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DOCUMENT CONTROL			
Report Title	Factual Data		
Contract	Woodland View, South Newton		
Report Reference	24/12905/JAM		
Client	B&E Services Ltd		
Prepared by	**J A Horsfield-Marrs** MSci FGS Geotechnical Engineer	[redacted]	
Revision No.	Status	Date of Issue	Final Issue Check
0	Final	24/06/2024	

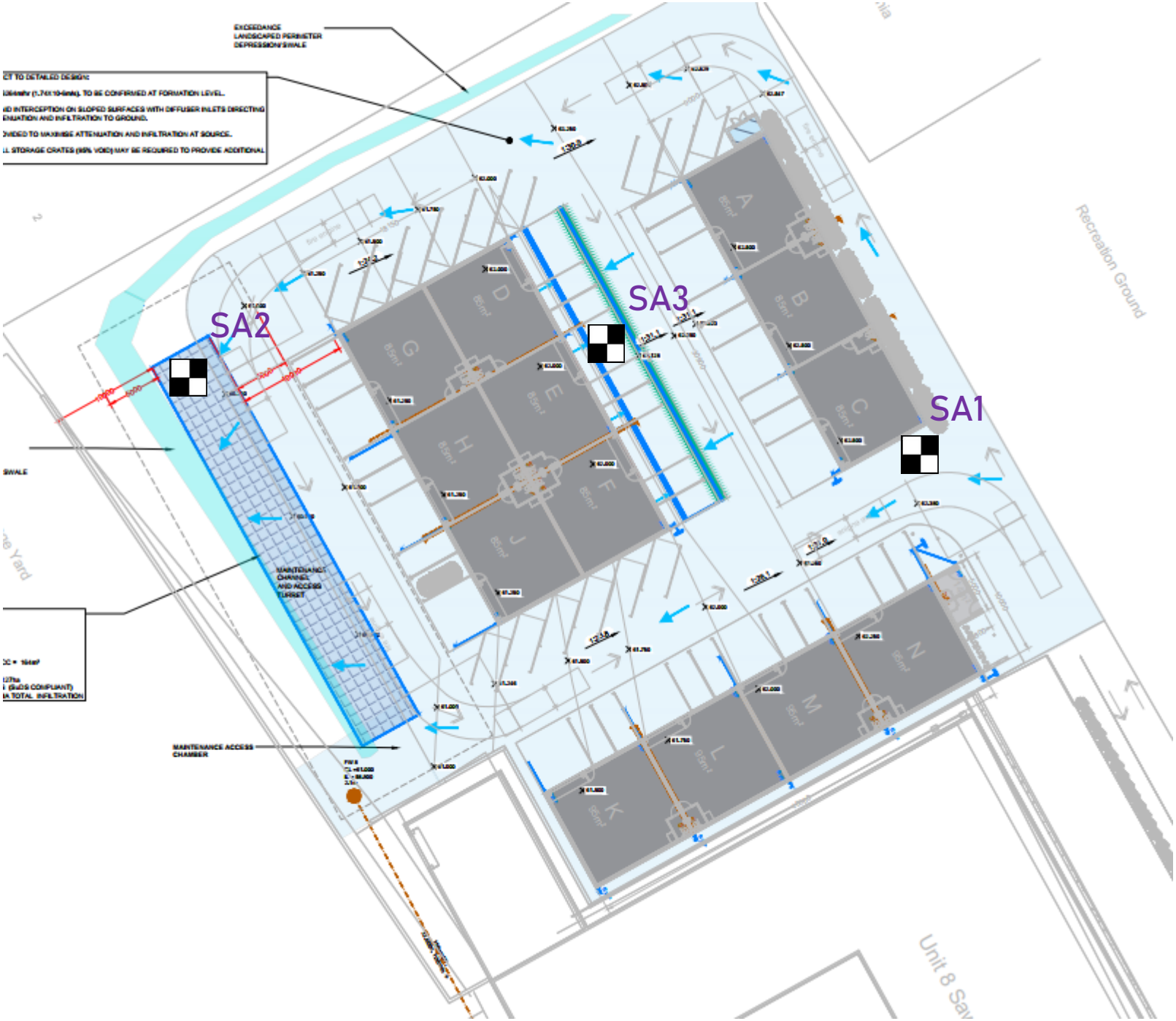
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The recommendations made and opinions expressed in this Report are based on the strata conditions revealed by the fieldworks as indicated on the exploratory records, together with an assessment of the data from in situ and laboratory tests. No liability can be accepted for conditions which have not been revealed by the fieldworks, for example, between exploratory positions. While this Report may offer opinions on the possible configuration of strata, both between the excavations and below the maximum depth achieved by the investigation, these comments are for guidance only and no liability can be accepted for their accuracy. The data obtained relate to the conditions which are relevant at the time of the investigation.

The groundwater observations entered on exploratory records are those noted at the time of the investigation. The normal rate of progress does not usually permit the recording of any equilibrium water level for any one water strike. It should be noted that groundwater levels are prone to seasonal variation and to changes in local drainage conditions. The word 'none' indicates that groundwater was sealed off by the borehole casing or that no water was observed in the exploratory hole upon completion.

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Legend:

Trial Pit Location

Title:	Site Layout Plan
Dwg No:	24/12905/1
Drawn by:	JAM
Client:	B&E Services Ltd
Contract:	Woodland View, South Newton
Job Ref:	24/12905/JAM
Scale:	NTS
Revision:	0
Issue Date:	24/06/2024

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ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		**TRIAL PIT**	**SA1**
Contract	Woodland View, South Newton	**Report Ref**	24/12905/JAM
Client	B&E Services Ltd	**Date**	18/06/2024
Site Address	Sawmills Yard, Woodland View, South Newton, Salisbury, Wiltshire SP2 0QW	**Ground Level**	

Type of excavator	Machine excavator	**Water level after completion, m**	dry prior to BRE365 soakaway test
Water strikes, m	**Pit Dimensions, m**	**Ease of excavation, m**	
1	Length 1.75	Very easy	Difficult
2	Breadth 0.65	Moderate	Very hard

Remarks
Trial pit constructed by others. BRE365 Soakaway Test carried out within trial pit.

Samples or tests		Shear Strength kPa	Depth	Legend	Strata Description
Type	Depth, m				
			0.30		MADE GROUND (dark brown silty SAND and GRAVEL. Gravel consists of flint, brick and concrete fragments)
					MADE GROUND (dark brown gravelly, silty CLAY. Gravel consists of flint, brick and concrete fragments)
			1.00		Light brown gravelly, sandy SILT. Gravel consists of flint and chalk fragments
			2.00		END OF TRIAL PIT



Sample Code: *B - Large Disturbed* *D - Small Disturbed* *W - Water Sample* *R - Root Sample*

SOAKAWAY INFILTRATION TEST RESULTS

ALBURY S.I. LTD
Geotechnical & Environmental

Contract	Woodland View, South Newton
Report Ref	24/12905/JAM
Test Location	SA1 - Cycle 1

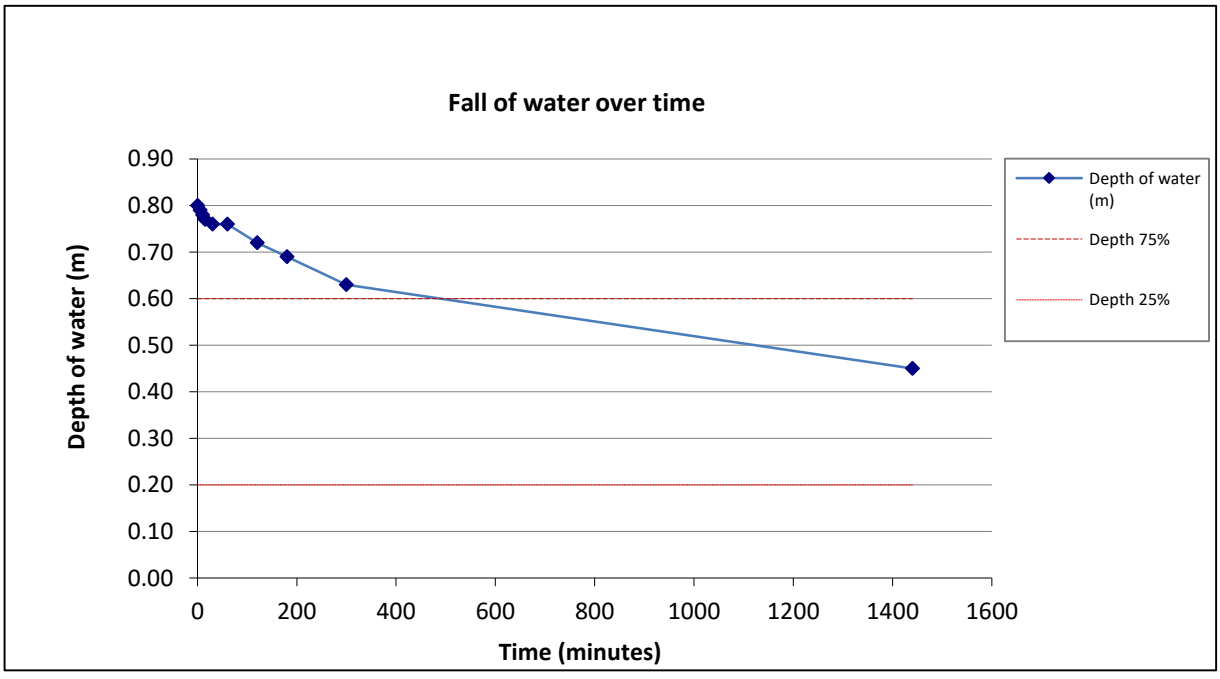
Time (mins)	Depth of Water (m)
0	0.80
5	0.79
10	0.78
15	0.77
30	0.76
60	0.76
120	0.72
180	0.69
300	0.63
1440	0.45

Pit Dimensions (m)

Length	1.75
Width	0.65
Depth	2.00

Remarks:

1. Test undertaken in general accordance with BRE Digest 365
2. Water had not soaked away after 24 hours. The soakaway is considered to have failed



V_{p75-25}	Effective depth storage volume of water in trial pit between 75% and 25% effective depth	0.455
α_{p50}	Internal surface area of trial pit up to 50% effective depth and including base	3.0575
t_{p75-25}	Time for water level to fall from 75% to 25% effective depth	

Soil Infiltration Rate (m/sec) *f*	

ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		**TRIAL PIT**	**SA2**
Contract	Woodland View, South Newton	**Report Ref**	24/12905/JAM
Client	B&E Services Ltd	**Date**	18/06/2024
Site Address	Sawmills Yard, Woodland View, South Newton, Salisbury, Wiltshire SP2 0QW	**Ground Level**	

Type of excavator	Machine excavator	**Water level after completion, m**	dry prior to BRE365 soakaway test
Water strikes, m	**Pit Dimensions, m**	**Ease of excavation, m**	
1	Length 2.20	Very easy	Difficult
2	Breadth 0.75	Moderate	Very hard

Remarks
Trial pit constructed by others. BRE365 Soakaway Test carried out within trial pit.

Samples or tests		Shear Strength kPa	Depth	Legend	Strata Description
Type	**Depth, m**				
					MADE GROUND (dark brown silty SAND and GRAVEL. Gravel consists of flint, brick and concrete fragments)
			0.60		MADE GROUND (brick and concrete)
			1.30		Brown slightly gravelly, sandy CLAY. Gravel consists of flint
			2.00		END OF TRIAL PIT



Sample Code: *B - Large Disturbed* *D - Small Disturbed* *W - Water Sample* *R - Root Sample*

SOAKAWAY INFILTRATION TEST RESULTS

ALBURY S.I. LTD
Geotechnical & Environmental

Contract	Woodland View, South Newton
Report Ref	24/12905/JAM
Test Location	SA2 - Cycle 1

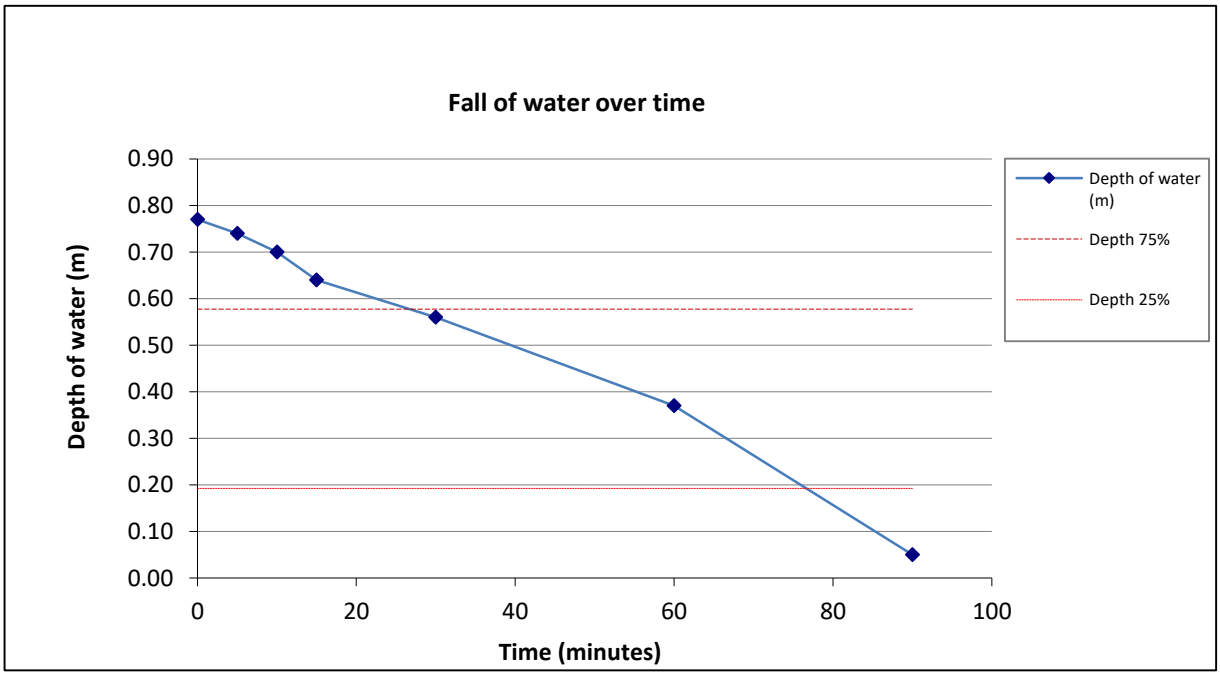
Time (mins)	Depth of Water (m)
0	0.77
5	0.74
10	0.70
15	0.64
30	0.56
60	0.37
90	0.05

Pit Dimensions (m)

Length	2.10
Width	0.7
Depth	2.00

Remarks:

1. Test undertaken in general accordance with BRE Digest 365



V_{p75-25}	Effective depth storage volume of water in trial pit between 75% and 25% effective depth	0.56595
α_{p50}	Internal surface area of trial pit up to 50% effective depth and including base	3.626
t_{p75-25}	Time for water level to fall from 75% to 25% effective depth	51

Soil Infiltration Rate (m/sec) *f*	5.10E-05

SOAKAWAY INFILTRATION TEST RESULTS

ALBURY S.I. LTD
Geotechnical & Environmental

Contract	Woodland View, South Newton
Report Ref	24/12905/JAM
Test Location	SA2 - Cycle 2

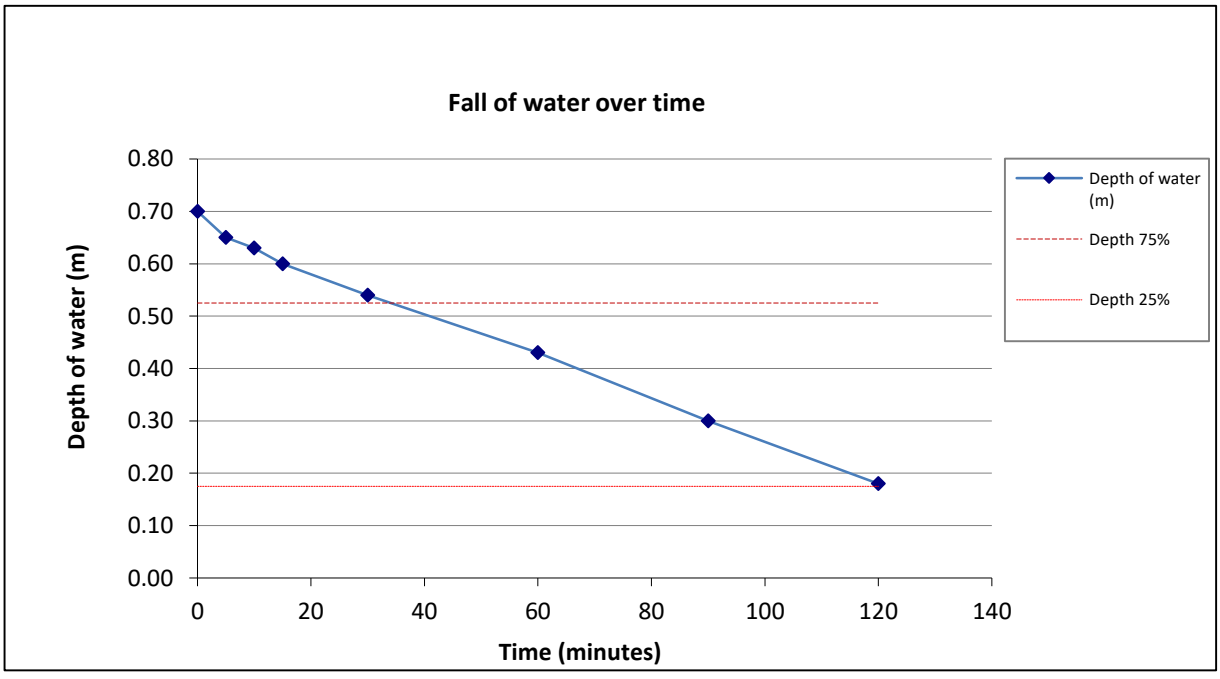
Time (mins)	Depth of Water (m)
0	0.70
5	0.65
10	0.63
15	0.60
30	0.54
60	0.43
90	0.30
120	0.18

Pit Dimensions (m)

Length	2.10
Width	0.7
Depth	2.00

Remarks:

1. Test undertaken in general accordance with BRE Digest 365



V_{p75-25}	Effective depth storage volume of water in trial pit between 75% and 25% effective depth	0.5145
α_{p50}	Internal surface area of trial pit up to 50% effective depth and including base	3.43
t_{p75-25}	Time for water level to fall from 75% to 25% effective depth	86

Soil Infiltration Rate (m/sec) *f*	2.91E-05

SOAKAWAY INFILTRATION TEST RESULTS

ALBURY S.I. LTD
Geotechnical & Environmental

Contract	Woodland View, South Newton
Report Ref	24/12905/JAM
Test Location	SA2 - Cycle 3

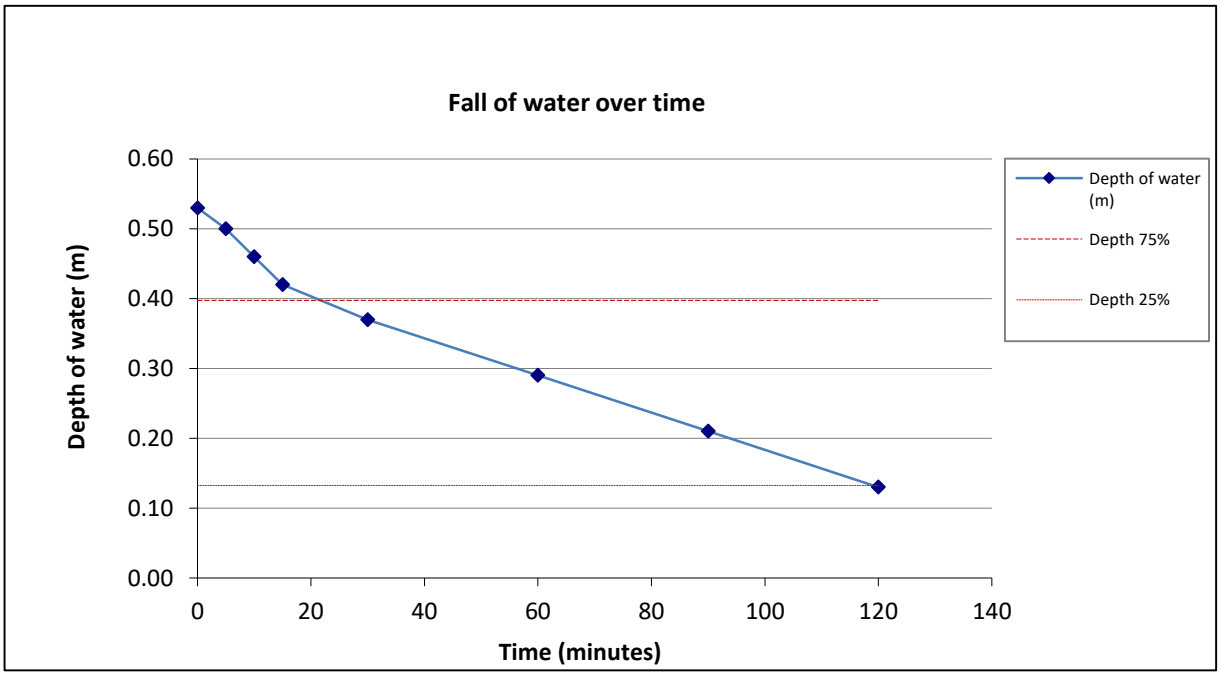
Time (mins)	Depth of Water (m)
0	0.53
5	0.50
10	0.46
15	0.42
30	0.37
60	0.29
90	0.21
120	0.13

Pit Dimensions (m)

Length	2.10
Width	0.7
Depth	2.00

Remarks:

1. Test undertaken in general accordance with BRE Digest 365



V_{p75-25}	Effective depth storage volume of water in trial pit between 75% and 25% effective depth	0.38955
α_{p50}	Internal surface area of trial pit up to 50% effective depth and including base	2.954
t_{p75-25}	Time for water level to fall from 75% to 25% effective depth	99

Soil Infiltration Rate (m/sec) *f*	2.22E-05

ALBURY S.I. LTD Miltons Yard, Petworth Road, Witley, Surrey GU8 5LH		**TRIAL PIT**	**SA3**
Contract	Woodland View, South Newton	**Report Ref**	24/12905/JAM
Client	B&E Services Ltd	**Date**	18/06/2024
Site Address	Sawmills Yard, Woodland View, South Newton, Salisbury, Wiltshire SP2 0QW	**Ground Level**	

Type of excavator	Machine excavator	**Water level after completion, m**	dry prior to BRE365 soakaway test
Water strikes, m	**Pit Dimensions, m**	**Ease of excavation, m**	
1	Length 2.20	Very easy	Difficult
2	Breadth 0.75	Moderate	Very hard

Remarks
Trial pit constructed by others. BRE365 Soakaway Test carried out within trial pit.

Samples or tests		Shear Strength kPa	Depth	Legend	Strata Description
Type	Depth, m				
			0.20		MADE GROUND (dark brown silty SAND and GRAVEL. Gravel consists of flint, brick and concrete fragments)
					MADE GROUND (dark brown gravelly, clayey SAND. Gravel consists of flint and brick fragments)
			2.90		Brown slightly gravelly, sandy CLAY. Gravel consists of flint
			3.50		END OF TRIAL PIT



Sample Code: *B - Large Disturbed* *D - Small Disturbed* *W - Water Sample* *R - Root Sample*

SOAKAWAY INFILTRATION TEST RESULTS

ALBURY S.I. LTD
Geotechnical & Environmental

Contract	Woodland View, South Newton
Report Ref	24/12905/JAM
Test Location	SA3 - Cycle 1

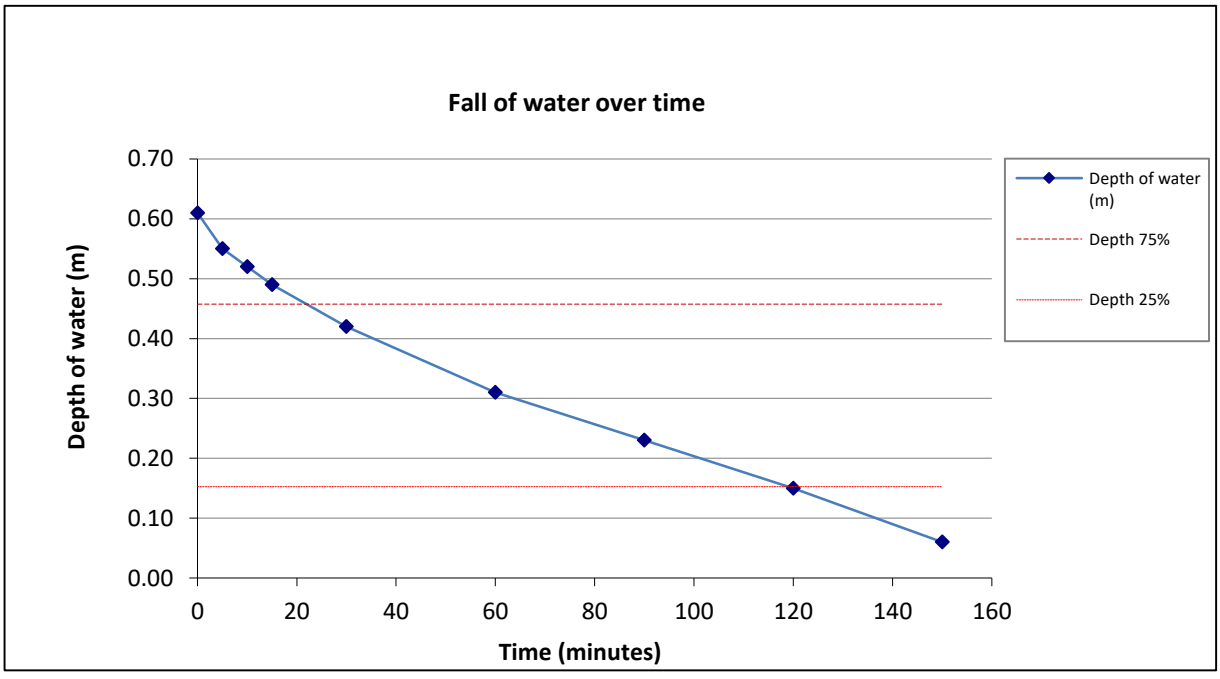
Time (mins)	Depth of Water (m)
0	0.61
5	0.55
10	0.52
15	0.49
30	0.42
60	0.31
90	0.23
120	0.15
150	0.06

Pit Dimensions (m)

Length	2.20
Width	0.75
Depth	3.50

Remarks:

1. Test undertaken in general accordance with BRE Digest 365



V_{p75-25}	Effective depth storage volume of water in trial pit between 75% and 25% effective depth	0.50325
α_{p50}	Internal surface area of trial pit up to 50% effective depth and including base	3.4495
t_{p75-25}	Time for water level to fall from 75% to 25% effective depth	99

Soil Infiltration Rate (m/sec) *f*	2.46E-05

SOAKAWAY INFILTRATION TEST RESULTS

ALBURY S.I. LTD
Geotechnical & Environmental

Contract	Woodland View, South Newton
Report Ref	24/12905/JAM
Test Location	SA3 - Cycle 2

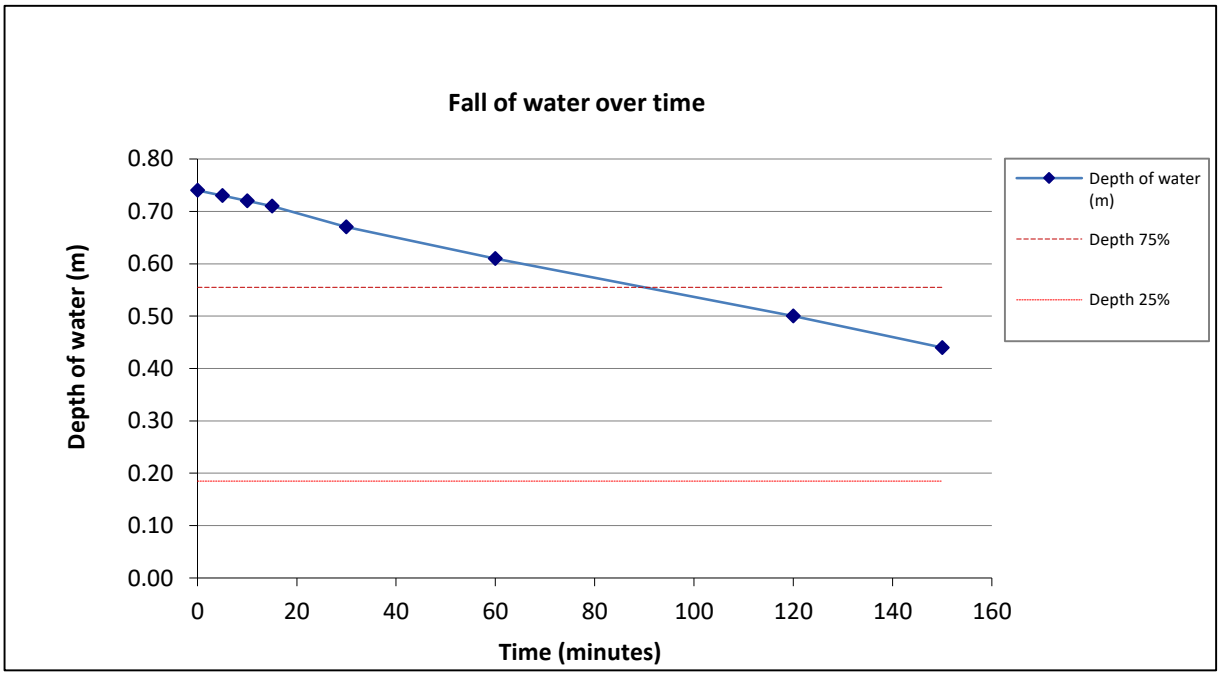
Time (mins)	Depth of Water (m)
0	0.74
5	0.73
10	0.72
15	0.71
30	0.67
60	0.61
120	0.50
150	0.44

Pit Dimensions (m)

Length	2.20
Width	0.75
Depth	3.50

Remarks:

1. Test undertaken in general accordance with BRE Digest 365
2. Soil infiltration rate of 1.05E-05 extrapolated from data



V_{p75-25}	Effective depth storage volume of water in trial pit between 75% and 25% effective depth	0.6105
α_{p50}	Internal surface area of trial pit up to 50% effective depth and including base	3.833
t_{p75-25}	Time for water level to fall from 75% to 25% effective depth	254

Soil Infiltration Rate (m/sec) *f*	1.05E-05

SOAKAWAY INFILTRATION TEST RESULTS

ALBURY S.I. LTD
Geotechnical & Environmental

Contract	Woodland View, South Newton
Report Ref	24/12905/JAM
Test Location	SA3 - Cycle 3

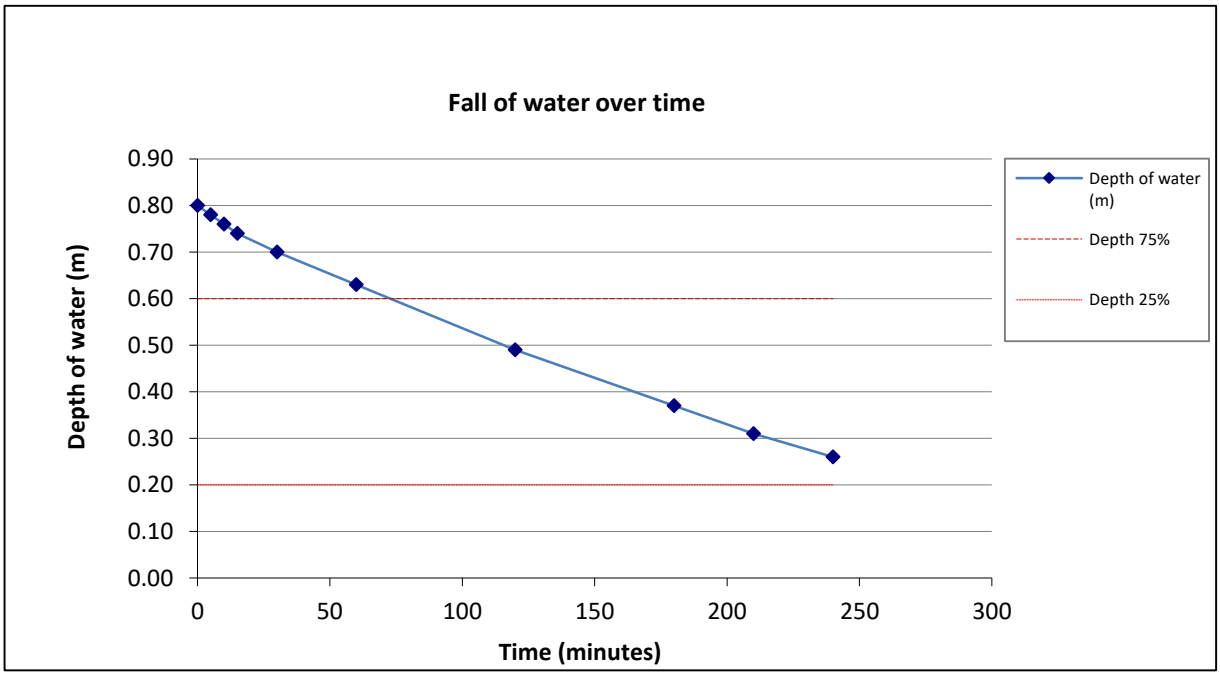
Time (mins)	Depth of Water (m)
0	0.80
5	0.78
10	0.76
15	0.74
30	0.70
60	0.63
120	0.49
180	0.37
210	0.31
240	0.26

Pit Dimensions (m)

Length	2.20
Width	0.75
Depth	3.50

Remarks:

1. Test undertaken in general accordance with BRE Digest 365
2. Soil infiltration rate of 1.41E-05 extrapolated from data



V_{p75-25}	Effective depth storage volume of water in trial pit between 75% and 25% effective depth	0.66
α_{p50}	Internal surface area of trial pit up to 50% effective depth and including base	4.01
t_{p75-25}	Time for water level to fall from 75% to 25% effective depth	195

Soil Infiltration Rate (m/sec) *f*	1.41E-05