

NOTES AND AMENDMENTS

**ONLY MANHOLES AND SERVICES VISIBLE AT
TIME OF SURVEY SHOWN**

**DRAINAGE INFORMATION MUST BE CHECKED AND
VERIFIED WITH LOCAL AUTHORITY RECORDS
PRIOR TO WORK COMMENCING**

Levels defining edge of carriageway are observed at channel (bottom of kerb). Unless otherwise stated.

TREE SPREADS ARE SYMBOLIC ONLY AND ARE REPRESENTATIVE OF THE AVERAGE SPREAD. THE DRIP LINE LAYER DENOTES THE TREES EXTREMITY

REVISIONS

REV.	DESCRIPTION	DRAWN	CHKD.	DATE

Topographical Survey Legend

[illegible]

BENCH MARK INFORMATION

All levels relate to OSBM Newlyn

SURVEY STATIONS		
STN1	389688.738	160115.015 49.434
STN2	389605.363	160100.839 50.600
STN3	389500.185	160044.124 51.629
STN4	389481.174	160097.207 51.424

JLP Surveying

JLP Surveying Consultants Ltd,

Suite 25 Rodney House,
King Street,

Wigan

WNI IBI
Tel - 01942

Fax - 01942 492230

Mobile - 07710 428498
EMAIL:- peterhouston@

000160Y

PROJECT
TURNPIKE CLOSE
SEMINGTON

DRAWING TITLE

Topographical Land Survey

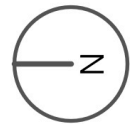
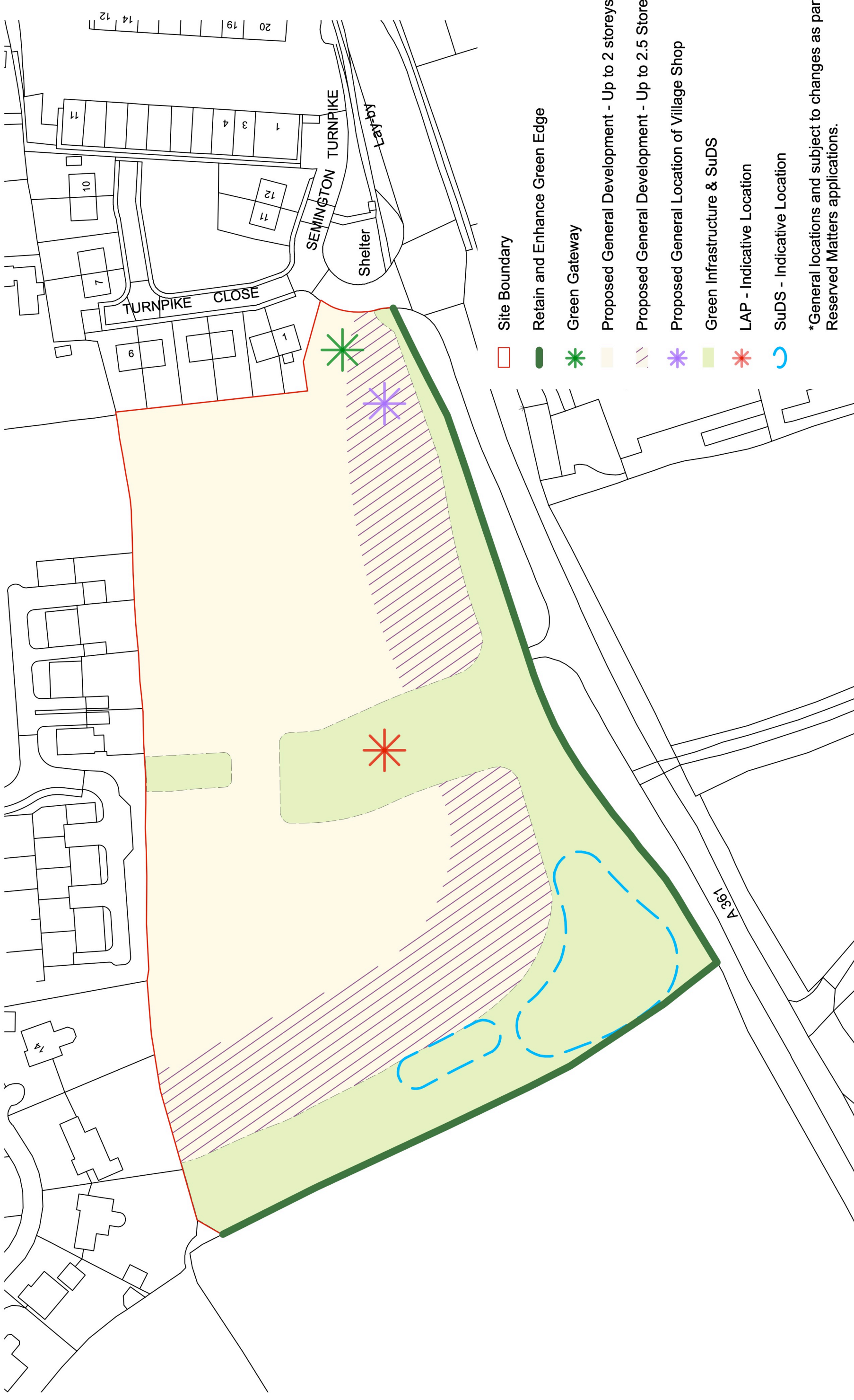
SCALE	SHEET SIZE	No. of SHEETS	DATE	REVISION
1:500	A1	1	30.11.18	

DRAWING NUMBER

S18-1093

APPENDIX G: PARAMETER PLAN

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Drawing Title: Parameter Plan
Drawing Number: 2483 - URB - XX - XX - DR - UD - 9002
Project: Land at Turnpike Close, Semington, Wiltshire

Revision: 08
Scale: 1:1000 @ A3
Date: 14.08.2026

- Site Boundary
- Retain and Enhance Green Edge
- Green Gateway
- Proposed General Development - Up to 2 storeys
- Proposed General Development - Up to 2.5 Storeys
- Proposed General Location of Village Shop
- Green Infrastructure & SuDS
- LAP - Indicative Location
- SuDS - Indicative Location

*General locations and subject to changes as part of Reserved Matters applications.

APPENDIX H: SOAKAWAY TESTING - BROWNFIELD SOLUTIONS

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10 June 2026

Hollins Strategic Land
Suite 3
First Floor
Victoria Court
Bexton Road
Knutsford
Cheshire
WS16 0PF

For the Attention of Paul O'Shea

Dear Paul,

Re: Turnpike Close, Semington – Infiltration Testing Results

This report describes the results of soil infiltration testing carried out by Brownfield Solutions Limited (BSL) for Hollins Strategic Land LLP at Turnpike Close, Semington and has been completed in general accordance with the following guidance:

-
- BS 10175:2026 Investigation of Potentially Contaminated Sites.
 - BS5930: 2015+A1:2020 Code of Practice for Ground Investigations.
 - BRE 365 BRE Digest 365: Soakaway design.
 - CIRIA C753 The SuDS Manual.
-

Background

The site is located off Turnpike Close, Semington as shown on the Site Location Plan, Drawing No. C6161/01.

Proposed Development

The proposed development is within the Semington Neighbourhood Plan for a residential end use with associated private gardens, highways, public open space (POS) areas and infrastructure / commercial end use comprising a local shop for the proposed dwellings as shown on the Semington Parish Neighbourhood Plan 2023-2028 (issued March 2025) provided to BSL by the client.

Current Site Description

Based on observations undertaken during the site works, the area of investigation comprised an open green field with grass and bare soil covering the entire site, the grass having been cut recently. The site was accessed through an unlocked metal gate from the southeast.

Objectives

The objective of the investigation was to investigate ground conditions and determine infiltration rates in general accordance with BRE 365 and the CIRIA SuDS Manual (C753) to provide preliminary guidance on the potential viability of infiltration-based drainage at the site.

Site Works

Eight trial pits (SA01 to SA08) were excavated to depths of between 1.80m and 2.80m bgl using a tracked excavator between the dates of 27th and 28th May 2026. The locations and depths of the tests were originally provided by the Client, and were completed in order to get an appropriate spread of information across the entire site. The locations of the trial pits are shown on the attached Exploratory Hole Location Plan (Drawing No. C6161/03).

The exploratory holes were logged by an experienced geo-environmental consultant in general accordance with the following guidance:

-
- BS 5930:2015+A1:2020 Code of Practice for Site Investigations.
 - BS EN 14688-1:2018 Geotechnical Investigation and Testing – Identification and classification of soil.
 - BS EN ISO 14689-1:2018 – Geotechnical investigation and testing – Identification and classification of rock.
-

Ground Conditions

Anticipated Ground Conditions

Reference to the BGS 1:10,000 scale mapping from the Geo-Environmental Data Report, obtained as part of the Phase I Geo-Environmental Report (ref. AF/C6161/14230 issued June 2025) indicates that superficial deposits are not present beneath the site, however in near proximity to the site to the west, east and south, Head deposits consisting of clay, silt, sand and gravel of the Quaternary age are mapped.

The solid geology beneath the site comprises the Cornbrash Formation comprising limestone of Bathonian-Callovian age.

Topsoil

Topsoil was encountered in all trial pits from ground level to 0.25-0.30m bgl, comprising grass over dark brown sandy clay with occasional rootlets. In SA02 and SA05, the clay was slightly gravelly.

Natural Superficial Strata

The topsoil was typically underlain by soft to firm brown sandy clay, encountered to base depths ranging between 0.40m and 1.50m bgl.

In SA02 between 0.25m and 0.50m bgl, the head deposits comprised slightly gravelly slightly clayey sand.

Solid Geology

Beneath the head deposits, firm to stiff grey slightly sandy gravelly clays were encountered to the base of the pits, encountered to a maximum depth of 2.80m bgl. It is considered that these deposits are likely the upper horizon of the Cornbrash Formation, which typically comprises limestone.

Groundwater

Groundwater was encountered in three locations; SA01 at 2.70m bgl, SA03 at 1.20m bgl and SA07 at 2.40m bgl.

Observations

During the works undertaken by BSL, observations for both visual and olfactory evidence of contamination were undertaken. No evidence of contamination was observed.

The sides of the trial pits were stable during excavation, except for SA04, where the sides became unstable below 1.50m bgl.

Results

The results of the infiltration tests indicate generally poor conditions, as shown in the table below. The highest infiltration rates were recorded in SA03 with the best being 1.51×10^{-7} m/s, indicating poor drainage conditions in all tests conducted.

Location	Infiltration Rate (m/s)
SA01	5.31×10^{-8}
SA02	1.49×10^{-7}
SA03	1.51×10^{-7}
SA04	No measurable infiltration
SA05	No measurable infiltration
SA06	No measurable infiltration
SA07	1.15×10^{-7}
SA08	6.27×10^{-8}

As none of the above tests drained past 25% effective depth, the soakaway tests are not considered BRE 365 compliant, and the infiltration rates presented should not be relied upon for design of drainage systems.

Assessment

The use of soakaways within the natural ground is not considered to be feasible at the site due to the low infiltration rates obtained (on the order of 10^{-7} to 10^{-8} m/s) and the presence of low permeability cohesive strata underlying the site.

For drainage systems, flexible jointed pipes should be used wherever possible; particular care should be taken for the avoidance of leaks in both water supply and drainage pipework.

Closing Remarks

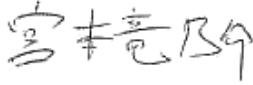
Based on the results of the infiltration testing and the assessment undertaken, drainage via soakaways is unlikely to be feasible at the site. However, other sustainable drainage solutions in accordance with the CIRIA SuDS Manual (C753), such as attenuated discharge or lined SuDS features, may still be viable subject to detailed drainage design.

We trust the above meets your requirements. If you have any queries, then please do not hesitate to contact the undersigned.

Yours sincerely

For Brownfield Solutions Limited

Produced by:



R M Miyamoto
BSc (Hons)
Graduate Geo-Environmental
Consultant
r.miyamoto@brownfield-
solutions.co.uk

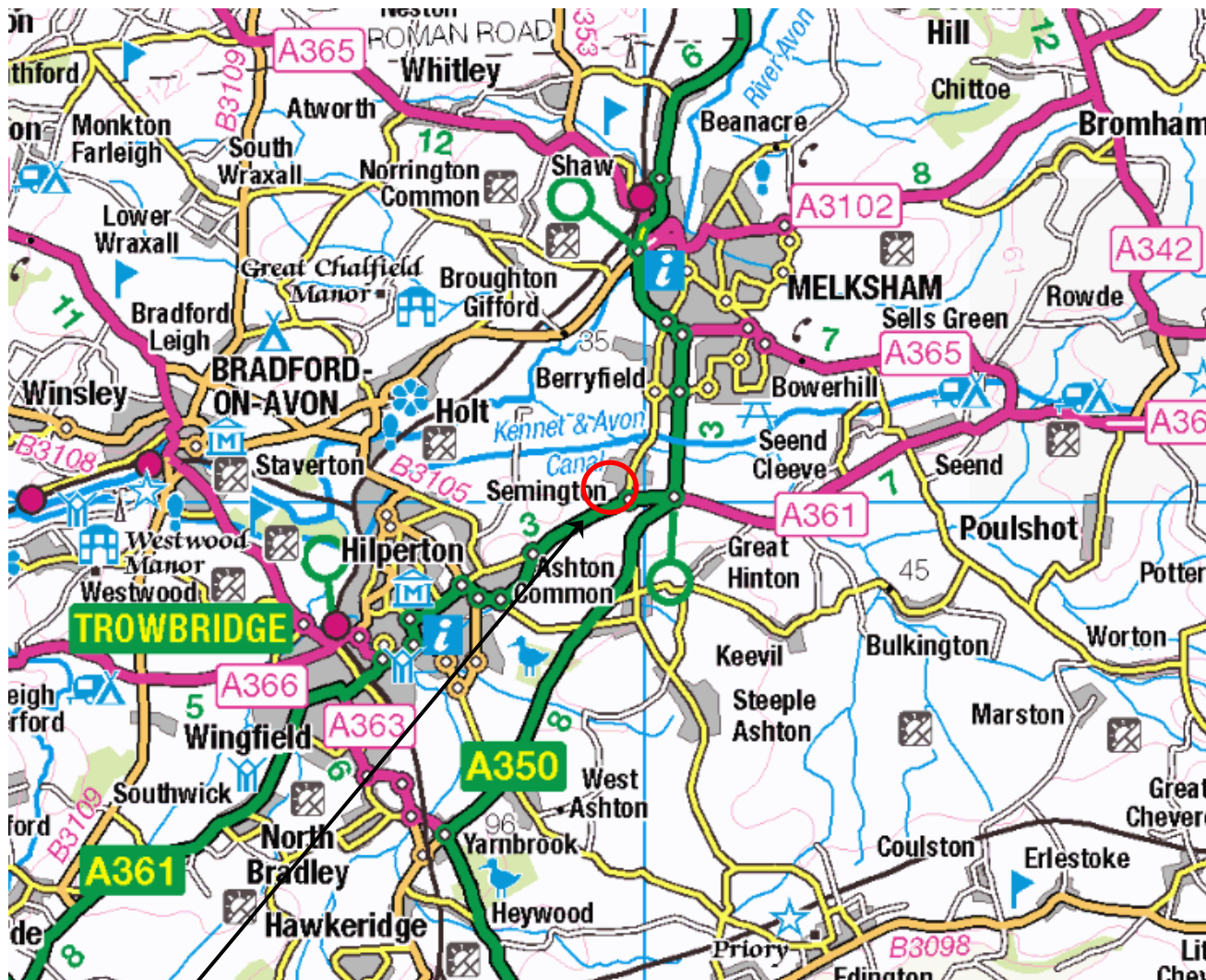
Checked by:



J Wheaton
BSc (Hons) MEnvSc FGS
Principal Geo-Environmental
Consultant
j.wheaton@brownfield-solutions.co.uk

Enc Drawings
 Appendix A – Exploratory Hole Logs
 Appendix B – Infiltration Test Results

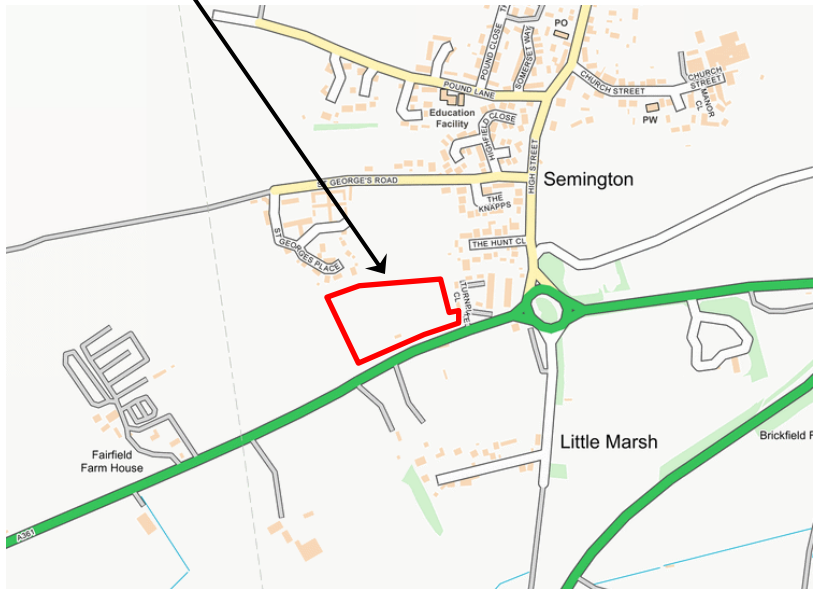
DRAWINGS



SITE LOCATION

NEAREST POSTCODE: BA14 6LB

SITE ENTRANCE WHAT3WORDS: ///HAMPER.SHEADSET.SMARTING



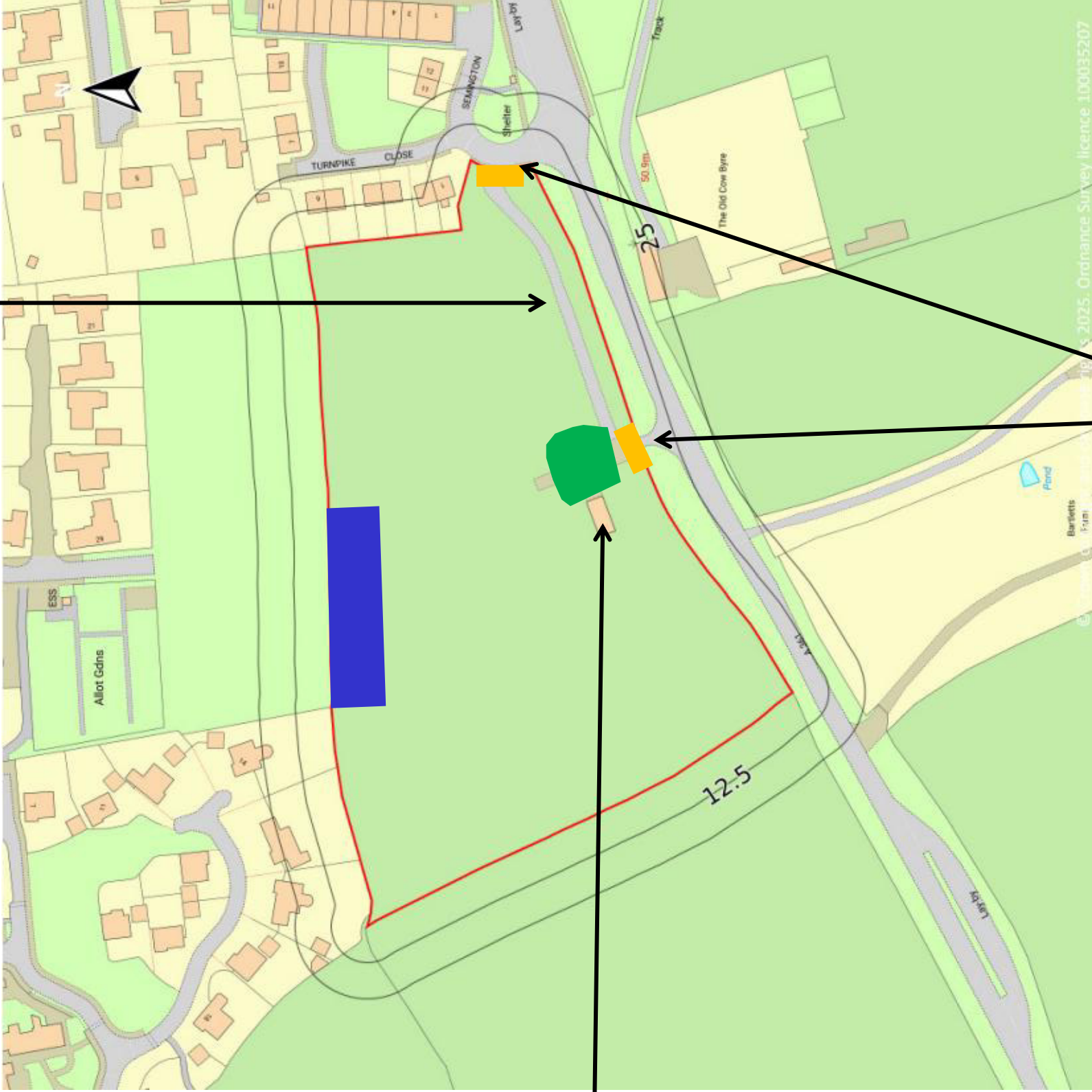
REV	DATE	DESCRIPTION	BY	CKD
 BROWNFIELD SOLUTIONS LTD GEO-ENVIRONMENTAL ENGINEERING EXCELLENCE				
CLIENT HOLLINS STRATEGIC LAND LLP				
PROJECT TITLE TURNPIKE CLOSE, SEMINGTON				
DRAWING TITLE SITE LOCATION PLAN				
DRAWING No. C6161/01	REVISION -	SCALE NTS	DATE 16/05/25	
DRAWN BY SD		CHECKED BY NS		



GRAVEL TRACK

RAMP

SITE ACCESS



KEY

- APPROXIMATE SITE BOUNDARY
- ACCESS GATE
- CONSTRUCTION YARD
- GRASS STOCKPILE

NOTES

- ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE COMMENCING WORKS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT & ENGINEER FOR VERIFICATION. FIGURED DIMENSIONS ONLY ARE TO BE TAKEN FROM THIS DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS REPORTS. THIS DRAWING IS COPYRIGHT OF BSL.
- DRAWING NOT FOR CONSTRUCTION PURPOSES.

REV	DATE	DESCRIPTION	BY	CKD



CLIENT
HOLLINS STRATEGIC LAND LLP

PROJECT TITLE
TURNPIKE CLOSE

DRAWING TITLE
SITE FEATURES PLAN

DRAWING No.	REVISION	SCALE	DATE
C6161/02	-	NTS	20/05/25
DRAWN BY	AF	CHECKED BY	NS



KEY

-  APPROXIMATE SITE BOUNDARY
-  SOAKAWAYS

NOTES

1. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE COMMENCING WORKS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT & ENGINEER FOR VERIFICATION. FIGURED DIMENSIONS ONLY ARE TO BE TAKEN FROM THIS DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS REPORTS. THIS DRAWING IS COPYRIGHT OF BSL.
3. DRAWING NOT FOR CONSTRUCTION PURPOSES.

REV	DATE	DESCRIPTION	BY	CKD



CLIENT
HOLLINS STRATEGIC LAND LLP

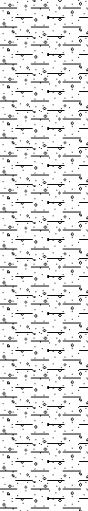
PROJECT TITLE
TURNPIKE CLOSE, SEMINGTON

DRAWING TITLE
EXPLORATORY HOLE LOCATION PLAN

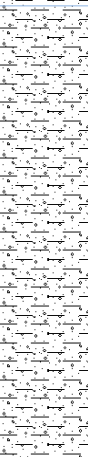
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DRAWN BY MP		CHECKED BY JW	

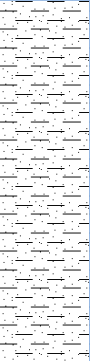
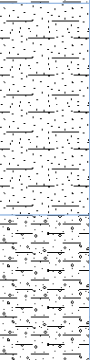
APPENDIX A

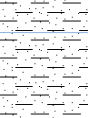
Exploratory Hole Logs

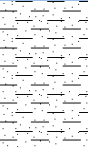
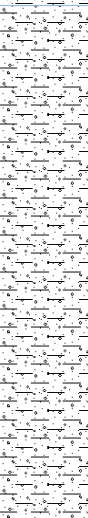
 BROWNFIELD SOLUTIONS						Trial Pit Log		No. SA01 Sheet 1 of 1		
PROJECT NO: C6161						CO-ORDS:		Hole Type TP		
PROJECT NAME: TURNPIKE CLOSE, SEMINGTON						LEVEL:		Scale 1:25		
CLIENT: HOLLINS STRATEGIC LAND LLP						DATES: 28/05/26 - 28/05/26		Logged MP	Checked JW	
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description			
	Depth (m)	Type	Results							
				0.25		 Grass over dark brown sandy CLAY with occasional rootlets. Sand is fine to medium.	TOPSOIL			
	0.90	B		1.10		 Firm brown slightly sandy CLAY. Sand is fine to medium.	HEAD DEPOSIT		1.0	
							 Firm to stiff bluish grey mottled orange gravelly slightly sandy CLAY. Sand is fine to coarse. Gravel is subrounded fine to medium of limestone.	CORNBRASSH FORMATION		2.0
	2.60	B		2.80			End of Trial Pit at 2.80m		3.0	
Remarks 1. Location scanned and cleared via radio detection method. 2. Groundwater encountered at 2.70m bgl. 3. Hole terminated at 2.80m bgl. 4. Sides stable. 5. Hole backfilled with arisings. ES = Environmental Sample D = Disturbed Sample B = Bulk Sample LB = Large Bulk Sample U = Undisturbed Sample UT = Undisturbed Thin Wall Sample SPT = Standard Penetration Test PID = Photoionization Detector (ppm) PPM = Part Per Million HSV = Hand Shear Vane										

 BROWNFIELD SOLUTIONS					Trial Pit Log		No. SA02 Sheet 1 of 1	
PROJECT NO: C6161					CO-ORDS:		Hole Type TP	
PROJECT NAME: TURNPIKE CLOSE, SEMINGTON					LEVEL:		Scale 1:25	
CLIENT: HOLLINS STRATEGIC LAND LLP					DATES: 28/05/26 - 28/05/26		Logged MP	Checked JW
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	
	Depth (m)	Type	Results					
				0.25			Grass over dark brown slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is subrounded fine to coarse of limestone and chert.	
				0.50			TOPSOIL	
							Light brown slightly gravelly slightly clayey SAND. Sand is fine to coarse. Gravel is subrounded fine to medium of limestone.	
							HEAD DEPOSIT	
							Firm brownish grey slightly sandy CLAY. Sand is fine to coarse.	
							CORNBRASH FORMATION	1.0
	1.40	B						
				1.80			Becoming very stiff at 1.75m bgl.	
							End of Trial Pit at 1.80m	2.0
								3.0
								4.0
								5.0
Remarks 1. Location scanned and cleared via radio detection method. 2. Groundwater encountered at 1.20m bgl. 3. Hole terminated at 1.80m bgl. 4. Sides stable. 5. Hole backfilled with arisings. ES = Environmental Sample D = Disturbed Sample B = Bulk Sample LB = Large Bulk Sample U = Undisturbed Sample UT = Undisturbed Thin Wall Sample SPT = Standard Penetration Test PID = Photoionization Detector (ppm) PPM = Part Per Million HSV = Hand Shear Vane								

 BROWNFIELD SOLUTIONS						Trial Pit Log		No. SA03 Sheet 1 of 1	
PROJECT NO: C6161						CO-ORDS:		Hole Type TP	
PROJECT NAME: TURNPIKE CLOSE, SEMINGTON						LEVEL:		Scale 1:25	
CLIENT: HOLLINS STRATEGIC LAND LLP						DATES: 27/05/26 - 27/05/26		Logged MP	Checked JW
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
	Depth (m)	Type	Results						
	1.00	B		0.30			Grass over dark brown sandy CLAY with occasional rootlets. Sand is fine to medium. TOPSOIL		1.0
						Soft brown sandy CLAY with bands of clayey sand. Sand is fine to medium. HEAD DEPOSIT			
						Firm to stiff greyish brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of limestone. CORNBRAsh FORMATION			
				2.80		End of Trial Pit at 2.80m		3.0	
									4.0
									5.0
Remarks 1. Location scanned and cleared via radio detection method. 2. Groundwater encountered at 1.20m bgl. 3. Hole terminated at 2.80m bgl. 4. Sides stable. 5. Hole backfilled with arisings. ES = Environmental Sample D = Disturbed Sample B = Bulk Sample LB = Large Bulk Sample U = Undisturbed Sample UT = Undisturbed Thin Wall Sample SPT = Standard Penetration Test PID = Photoionization Detector (ppm) PPM = Part Per Million HSV = Hand Shear Vane									

 BROWNFIELD SOLUTIONS						Trial Pit Log		No. SA04 Sheet 1 of 1	
PROJECT NO: C6161						CO-ORDS:		Hole Type TP	
PROJECT NAME: TURNPIKE CLOSE, SEMINGTON						LEVEL:		Scale 1:25	
CLIENT: HOLLINS STRATEGIC LAND LLP						DATES: 27/05/26 - 27/05/26		Logged MP	Checked JW
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
	Depth (m)	Type	Results						
				0.30			Grass over dark brown sandy CLAY with occasional rootlets. Sand is fine to medium. TOPSOIL		
				1.50			Firm brown slightly sandy CLAY. Sand is fine to medium. HEAD DEPOSIT		1.0
	2.00	B		2.20			Bluish grey slightly clayey SAND. Sand is fine to medium. CORNBRAsh FORMATION		2.0
				2.70			Firm to stiff greyish brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of limestone. CORNBRAsh FORMATION		
							End of Trial Pit at 2.70m		3.0
									4.0
									5.0
Remarks 1. Location scanned and cleared via radio detection method. 2. Groundwater not encountered. 3. Hole terminated at 2.70m bgl. 4. Sides unstable from 1.50m bgl. 5. Hole backfilled with arisings. ES = Environmental Sample D = Disturbed Sample B = Bulk Sample LB = Large Bulk Sample U = Undisturbed Sample UT = Undisturbed Thin Wall Sample SPT = Standard Penetration Test PID = Photoionization Detector (ppm) PPM = Part Per Million HSV = Hand Shear Vane									

 BROWNFIELD SOLUTIONS						Trial Pit Log		No. SA05 Sheet 1 of 1	
PROJECT NO: C6161						CO-ORDS:		Hole Type TP	
PROJECT NAME: TURNPIKE CLOSE, SEMINGTON						LEVEL:		Scale 1:25	
CLIENT: HOLLINS STRATEGIC LAND LLP						DATES: 27/05/26 - 27/05/26		Logged MP	Checked JW
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
	Depth (m)	Type	Results						
	0.50	B		0.25			Grass over dark brown slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is subrounded fine to coarse of limestone and chert.		
							TOPSOIL		
				0.80			Firm dark brown slightly sandy CLAY. Sand is fine to medium. HEAD DEPOSIT		
	1.50	B					Firm brownish grey slightly sandy CLAY. Sand is fine to coarse. CORNBRASS FORMATION		1.0
				2.20			End of Trial Pit at 2.20m		2.0
									3.0
									4.0
									5.0
Remarks 1. Location scanned and cleared via radio detection method. 2. Groundwater not encountered. 3. Hole terminated at 2.20m bgl. 4. Sides stable. 5. Hole backfilled with arisings. ES = Environmental Sample D = Disturbed Sample B = Bulk Sample LB = Large Bulk Sample U = Undisturbed Sample UT = Undisturbed Thin Wall Sample SPT = Standard Penetration Test PID = Photoionization Detector (ppm) PPM = Part Per Million HSV = Hand Shear Vane									

 BROWNFIELD SOLUTIONS						Trial Pit Log		No. SA06 Sheet 1 of 1	
PROJECT NO: C6161						CO-ORDS:		Hole Type TP	
PROJECT NAME: TURNPIKE CLOSE, SEMINGTON						LEVEL:		Scale 1:25	
CLIENT: HOLLINS STRATEGIC LAND LLP						DATES: 27/05/26 - 27/05/26		Logged MP	Checked JW
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
	Depth (m)	Type	Results						
				0.30			Grass over dark brown sandy CLAY. Sand is fine to medium. TOPSOIL		1.0
				0.80			Firm brown slightly sandy CLAY. Sand is fine to medium. HEAD DEPOSIT		
							Firm brownish grey slightly gravelly slightly sandy CLAY. Sand is fine to coarse. Gravel is subrounded fine to medium of limestone. CORNBRASS FORMATION		
	2.30	B		2.50			End of Trial Pit at 2.50m		3.0
									4.0
									5.0
Remarks 1. Location scanned and cleared via radio detection method. 2. Groundwater not encountered. 3. Hole terminated at 2.50m bgl. 4. Sides stable. 5. Hole backfilled with arisings. ES = Environmental Sample D = Disturbed Sample B = Bulk Sample LB = Large Bulk Sample U = Undisturbed Sample UT = Undisturbed Thin Wall Sample SPT = Standard Penetration Test PID = Photoionization Detector (ppm) PPM = Part Per Million HSV = Hand Shear Vane									

 BROWNFIELD SOLUTIONS						Trial Pit Log		No. SA07 Sheet 1 of 1	
PROJECT NO: C6161						CO-ORDS:		Hole Type TP	
PROJECT NAME: TURNPIKE CLOSE, SEMINGTON						LEVEL:		Scale 1:25	
CLIENT: HOLLINS STRATEGIC LAND LLP						DATES: 28/05/26 - 28/05/26		Logged MP	Checked JW
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description		
	Depth (m)	Type	Results						
	0.40	B		0.25			Grass over dark brown sandy CLAY with occasional rootlets. Sand is fine to medium.		
				0.60			TOPSOIL Firm dark brown sandy CLAY. Sand is fine to medium. HEAD DEPOSIT		
	1.70	B		2.50			Firm grey mottled orange slightly sandy CLAY. Sand is fine to medium. CORNBRASSH FORMATION		
						End of Trial Pit at 2.50m			
Remarks 1. Location scanned and cleared via radio detection method. 2. Groundwater encountered at 2.40m bgl. 3. Hole terminated at 2.50m bgl. 4. Sides stable. 5. Hole backfilled with arisings. ES = Environmental Sample D = Disturbed Sample B = Bulk Sample LB = Large Bulk Sample U = Undisturbed Sample UT = Undisturbed Thin Wall Sample SPT = Standard Penetration Test PID = Photoionization Detector (ppm) PPM = Part Per Million HSV = Hand Shear Vane									



Trial Pit Log

No.

SA08

Sheet 1 of 1

Hole Type

TP

Scale

1:25

Logged

MP

Checked

JW

PROJECT NO: C6161

CO-ORDS:

PROJECT NAME: TURNPIKE CLOSE, SEMINGTON

LEVEL:

CLIENT: HOLLINS STRATEGIC LAND LLP

DATES: 28/05/26 - 28/05/26

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	
	Depth (m)	Type	Results					
	1.00	B		0.25			Grass over dark brown sandy CLAY with occasional rootlets. Sand is fine to medium. TOPSOIL	1.0
				0.40			Firm dark brown sandy CLAY. Sand is fine to medium. HEAD DEPOSIT	
							Firm grey mottled orange sandy CLAY. Sand is fine to medium. CORNBRAsh FORMATION	
				2.10			<i>Becoming very stiff at 2.05m bgl.</i> End of Trial Pit at 2.10m	2.0
								3.0
								4.0
								5.0

Remarks

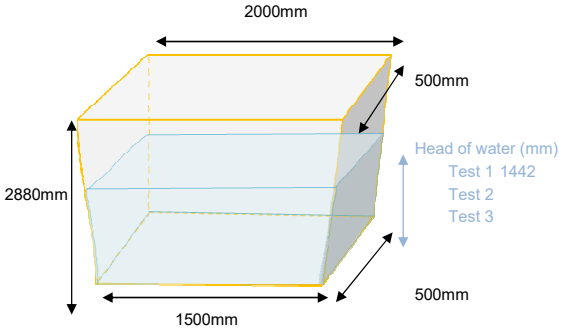
1. Location scanned and cleared via radio detection method.
2. Groundwater not encountered.
3. Hole terminated at 2.10m bgl.
4. Sides stable.
5. Hole backfilled with arisings.

ES = Environmental Sample
D = Disturbed Sample
B = Bulk Sample
LB = Large Bulk Sample
U = Undisturbed Sample
UT = Undisturbed Thin Wall Sample
SPT = Standard Penetration Test
PID = Photoionization Detector (ppm)
PPM = Part Per Million
HSV = Hand Shear Vane

APPENDIX B

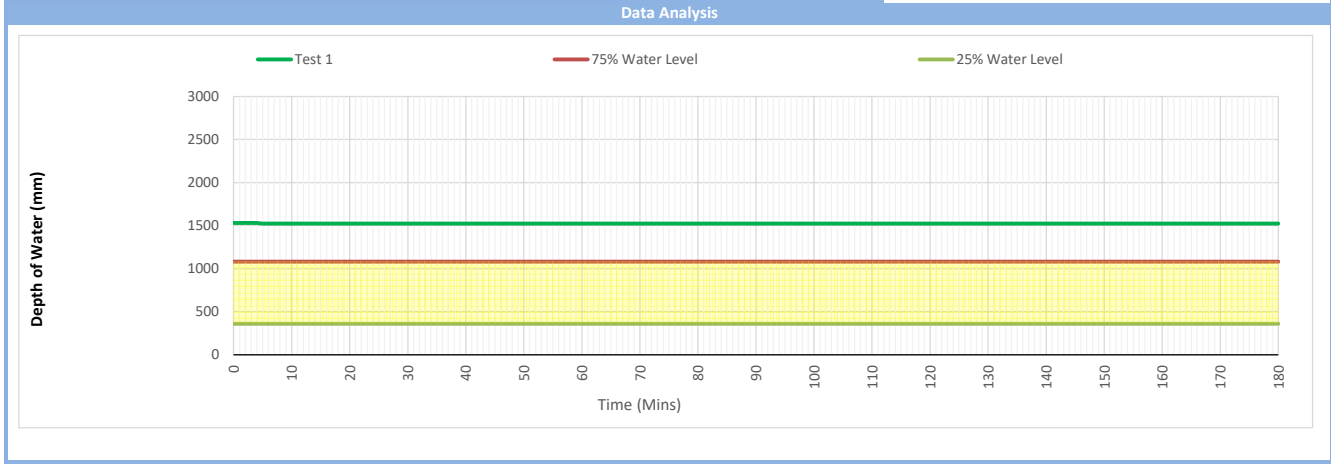
Infiltration Test Results

Percolation Test SA01	HOLLINS STRATEGIC LAND LLP	Date of Test: 28/05/2026			 BROWNFIELD SOLUTIONS LTD
	Turnpike Close, Semington	Logged By: IE			
	C6161	Checked By: JW			

Dimensions (mm)	TEST 1	TEST 2	TEST 3	Test Pit Construction			
Length at Top	2000						
Length at Bottom	1500						
Width at Top	500						
Width at Bottom	500						
Depth Tested (Head of Water)	1442						
Depth of Excavation	2880						
Volume of Water (m3)				1.26175			
Void Ratio				1			
Factored Volume of Water (m3)				1.26175			
Strata Description				Slightly sandy gravelly CLAY			
Pit Details				Open with no stone filling See associated log for stratum details			

Site Recorded Data								
Test 1			Test 2			Test 3		
Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)
0.00	1350	1530						
1.00	1350	1530						
2.00	1350	1530						
3.00	1350	1530						
4.00	1350	1530						
5.00	1355	1525						
7.00	1355	1525						
9.00	1355	1525						
11.00	1355	1525						
13.00	1355	1525						
15.00	1355	1525						
20.00	1355	1525						
25.00	1355	1525						
30.00	1355	1525						
40.00	1355	1525						
50.00	1355	1525						
60.00	1355	1525						
90.00	1355	1525						
120.00	1355	1525						
150.00	1355	1525						
180.00	1355	1525						

Percolation Test SA01	HOLLINS STRATEGIC LAND LLP	Date of Test: 28/05/2026	 BROWNFIELD SOLUTIONS LTD
	Turnpike Close, Semington	Logged By: IE	
	C6161	Checked By: JW	



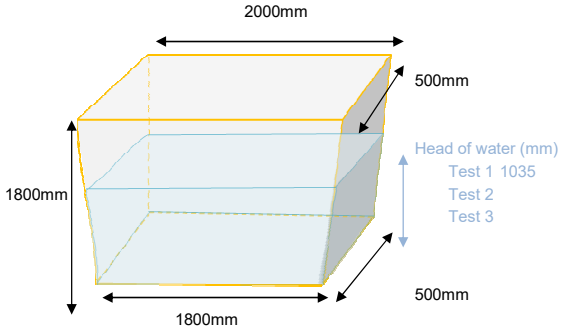
Soil Infiltration Rate Calculation

	Test 1	Test 2	Test 3
Water Level 1	1530.000		
Water Level 2	1525.000		
Time to drain from Water Level 1 to Level 2 (mins)	180.000		
Volume of Water Discharged (m3)	0.0043750		
Discharge Area (m2)	7.624		
Soil Infiltration Rate (m/min)	0.0000032		
Soil Infiltration Rate (m/sec)	5.31E-08		

Compliance Check

	Test 1	Test 2	Test 3
Water Level at 75% effective depth (mm)	1147.5		
Water Level at 25% effective depth (mm)	382.5		
	Not Compliant with BRE 365 - Insufficient time to drain past 25% effective depth		

Percolation Test SA02	HOLLINS STRATEGIC LAND LLP	Date of Test: 28/05/2026			 BROWNFIELD SOLUTIONS LTD
	Turnpike Close, Semington	Logged By: IE			
	C6161	Checked By: JW			

Dimensions (mm)	TEST 1	TEST 2	TEST 3	Test Pit Construction			
Length at Top	2000						
Length at Bottom	1800						
Width at Top	500						
Width at Bottom	500						
Depth Tested (Head of Water)	1035						
Depth of Excavation	1800						
Volume of Water (m3)				0.98325			
Void Ratio				1			
Factored Volume of Water (m3)				0.98325			
Strata Description				Slightly sandy CLAY			
Pit Details				Open with no stone filling See associated log for stratum details			

Site Recorded Data								
Test 1			Test 2			Test 3		
Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)
0.00	750	1050						
1.00	750	1050						
2.00	750	1050						
3.00	750	1050						
4.00	750	1050						
5.00	750	1050						
7.00	750	1050						
9.00	750	1050						
11.00	750	1050						
13.00	750	1050						
15.00	755	1045						
20.00	760	1040						
25.00	760	1040						
30.00	760	1040						
40.00	760	1040						
50.00	760	1040						
60.00	760	1040						
90.00	760	1040						
120.00	760	1040						
150.00	760	1040						
180.00	760	1040						

Percolation Test SA02	HOLLINS STRATEGIC LAND LLP	Date of Test: 28/05/2026	 BROWNFIELD SOLUTIONS LTD
	Turnpike Close, Semington	Logged By: IE	
	C6161	Checked By: JW	



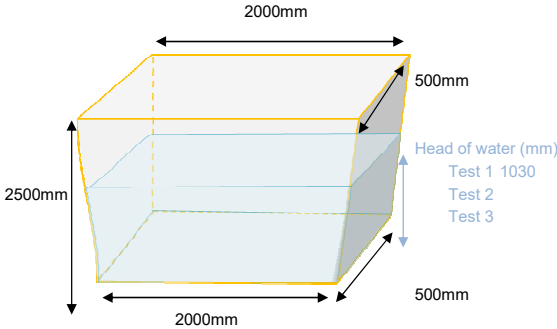
Soil Infiltration Rate Calculation

	Test 1	Test 2	Test 3
Water Level 1	1050.000		
Water Level 2	1040.000		
Time to drain from Water Level 1 to Level 2 (mins)	180.000		
Volume of Water Discharged (m3)	0.0095000		
Discharge Area (m2)	5.916		
Soil Infiltration Rate (m/min)	0.0000089		
Soil Infiltration Rate (m/sec)	1.49E-07		

Compliance Check

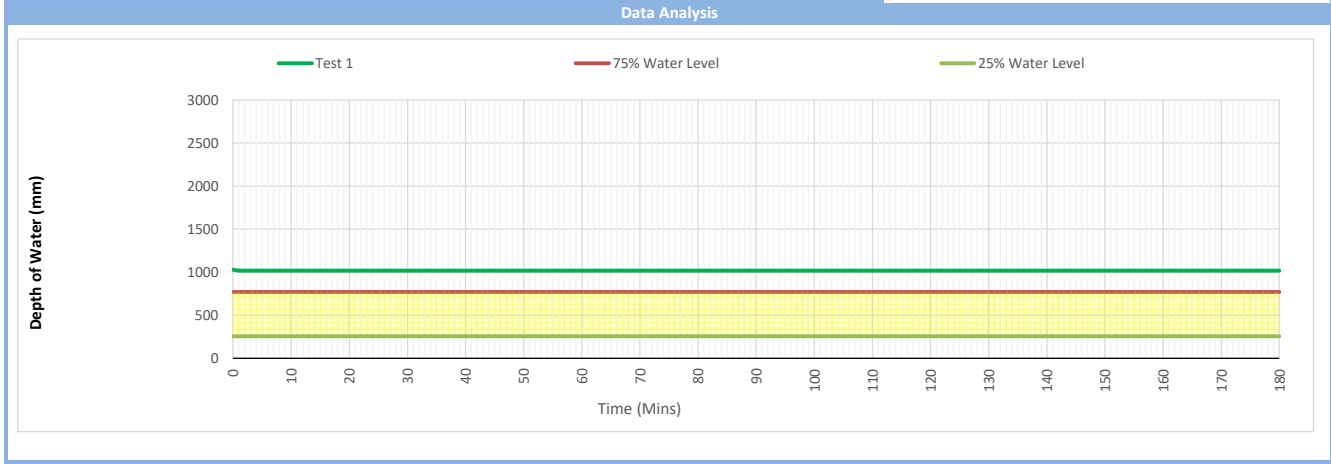
	Test 1	Test 2	Test 3
Water Level at 75% effective depth (mm)	787.5		
Water Level at 25% effective depth (mm)	262.5		
	Not Compliant with BRE 365 - Insufficient time to drain past 25% effective depth		

Percolation Test SA03	HOLLINS STRATEGIC LAND LLP	Date of Test: 27/05/2026		 BROWNFIELD SOLUTIONS LTD
	TURNPIKE CLOSE, SEMINGTON	Logged By: MP		
	C6161	Checked By: JW		

Dimensions (mm)	TEST 1	TEST 2	TEST 3	
Length at Top	2000			
Length at Bottom	2000			
Width at Top	500			
Width at Bottom	500			
Depth Tested (Head of Water)	1030			
Depth of Excavation	2500			
Volume of Water (m3)	1.03			
Void Ratio	1			
Factored Volume of Water (m3)	1.03			
Strata Description	Slightly gravelly sandy CLAY			
Pit Details	Open with no stone filling See associated log for stratum details			

Site Recorded Data								
	Test 1			Test 2			Test 3	
Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)
0.00	1470	1030						
1.00	1480	1020						
2.00	1480	1020						
3.00	1480	1020						
4.00	1480	1020						
5.00	1480	1020						
7.00	1480	1020						
9.00	1480	1020						
11.00	1480	1020						
13.00	1480	1020						
15.00	1480	1020						
20.00	1480	1020						
25.00	1480	1020						
30.00	1480	1020						
40.00	1480	1020						
50.00	1480	1020						
60.00	1480	1020						
90.00	1480	1020						
120.00	1480	1020						
150.00	1480	1020						
180.00	1480	1020						

Percolation Test SA03	HOLLINS STRATEGIC LAND LLP	Date of Test: 27/05/2026	 BROWNFIELD SOLUTIONS LTD
	TURNPIKE CLOSE, SEMINGTON	Logged By: MP	
	C6161	Checked By: JW	



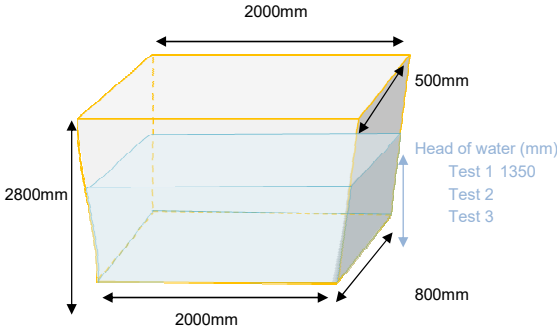
Soil Infiltration Rate Calculation

	Test 1	Test 2	Test 3
Water Level 1	1030.000		
Water Level 2	1020.000		
Time to drain from Water Level 1 to Level 2 (min)	180.000		
Volume of Water Discharged (m3)	0.0100000		
Discharge Area (m2)	6.125		
Soil Infiltration Rate (m/min)	0.0000091		
Soil Infiltration Rate (m/sec)	1.51E-07		

Compliance Check

	Test 1	Test 2	Test 3
Water Level at 75% effective depth (mm)	772.5		
Water Level at 25% effective depth (mm)	257.5		
	Not Compliant with BRE 365 - Insufficient time to drain past 25% effective depth		

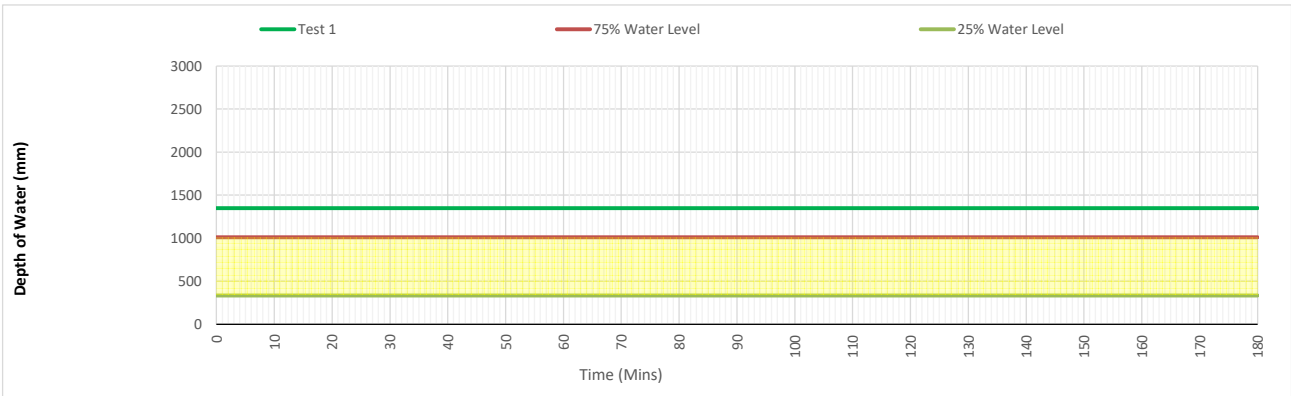
Percolation Test SA04	HOLLINS STRATEGIC LAND LLP	Date of Test: 27/05/2026		 BROWNFIELD SOLUTIONS LTD
	TURNPIKE CLOSE, SEMINGTON	Logged By: MP		
	C6161	Checked By: JW		

Dimensions (mm)	TEST 1	TEST 2	TEST 3	
Length at Top	2000			
Length at Bottom	2000			
Width at Top	500			
Width at Bottom	800			
Depth Tested (Head of Water)	1350			
Depth of Excavation	2800			
Volume of Water (m3)	1.755			
Void Ratio	1			
Factored Volume of Water (m3)	1.755			
Strata Description	Slightly gravelly sandy CLAY			
Pit Details	Open with no stone filling See associated log for stratum details			

Site Recorded Data								
	Test 1		Test 2			Test 3		
Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)
0.00	1450	1350						
1.00	1450	1350						
2.00	1450	1350						
3.00	1450	1350						
4.00	1450	1350						
5.00	1450	1350						
7.00	1450	1350						
9.00	1450	1350						
11.00	1450	1350						
13.00	1450	1350						
15.00	1450	1350						
20.00	1450	1350						
25.00	1450	1350						
30.00	1450	1350						
40.00	1450	1350						
50.00	1450	1350						
60.00	1450	1350						
90.00	1450	1350						
120.00	1450	1350						
150.00	1450	1350						
180.00	1450	1350						

Percolation Test SA04	HOLLINS STRATEGIC LAND LLP	Date of Test: 27/05/2026	 BROWNFIELD SOLUTIONS LTD
	TURNPIKE CLOSE, SEMINGTON	Logged By: MP	
	C6161	Checked By: JW	

Data Analysis



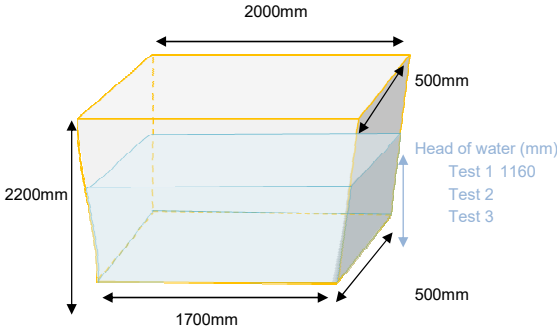
Soil Infiltration Rate Calculation

	Test 1	Test 2	Test 3
Water Level 1	1350.000		
Water Level 2	1350.000		
Time to drain from Water Level 1 to Level 2 (min)	180.000		
Volume of Water Discharged (m3)	0.0000000		
Discharge Area (m2)	8.755		
Soil Infiltration Rate (m/min)	0.0000000		
Soil Infiltration Rate (m/sec)	0.00E+00		

Compliance Check

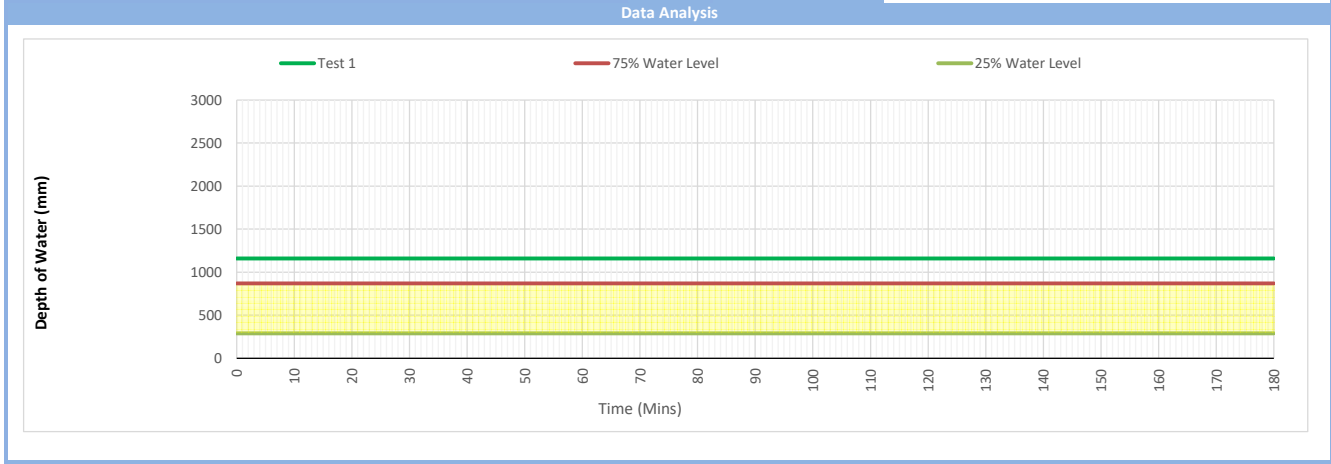
	Test 1	Test 2	Test 3
Water Level at 75% effective depth (mm)	1012.5		
Water Level at 25% effective depth (mm)	337.5		
	Not Compliant with BRE 365 - Insufficient time to drain past 25% effective depth		

Percolation Test SA05	HOLLINS STRATEGIC LAND LLP	Date of Test: 27/05/2026		 BROWNFIELD SOLUTIONS LTD
	TURNPIKE CLOSE, SEMINGTON	Logged By: MP		
	C6161	Checked By: JW		

Dimensions (mm)	TEST 1	TEST 2	TEST 3	
Length at Top	2000			
Length at Bottom	1700			
Width at Top	500			
Width at Bottom	500			
Depth Tested (Head of Water)	1160			
Depth of Excavation	2200			
Volume of Water (m3)	1.073			
Void Ratio	1			
Factored Volume of Water (m3)	1.073			
Strata Description	Slightly sandy CLAY			
Pit Details	Open with no stone filling See associated log for stratum details			

Site Recorded Data								
	Test 1		Test 2			Test 3		
Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)
0.00	1040	1160						
1.00	1040	1160						
2.00	1040	1160						
3.00	1040	1160						
4.00	1040	1160						
5.00	1040	1160						
7.00	1040	1160						
9.00	1040	1160						
11.00	1040	1160						
13.00	1040	1160						
15.00	1040	1160						
20.00	1040	1160						
25.00	1040	1160						
30.00	1040	1160						
40.00	1040	1160						
50.00	1040	1160						
60.00	1040	1160						
90.00	1040	1160						
120.00	1040	1160						
150.00	1040	1160						
180.00	1040	1160						

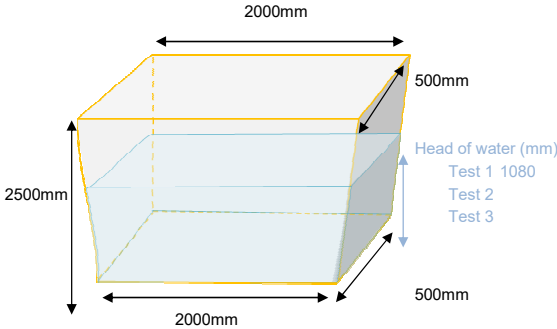
Percolation Test SA05	HOLLINS STRATEGIC LAND LLP	Date of Test: 27/05/2026	 BROWNFIELD SOLUTIONS LTD
	TURNPIKE CLOSE, SEMINGTON	Logged By: MP	
	C6161	Checked By: JW	



Soil Infiltration Rate Calculation			
	Test 1	Test 2	Test 3
Water Level 1	1160.000		
Water Level 2	1160.000		
Time to drain from Water Level 1 to Level 2 (mins)	180.000		
Volume of Water Discharged (m3)	0.0000000		
Discharge Area (m2)	6.302		
Soil Infiltration Rate (m/min)	0.0000000		
Soil Infiltration Rate (m/sec)	0.00E+00		

Compliance Check			
	Test 1	Test 2	Test 3
Water Level at 75% effective depth (mm)	870		
Water Level at 25% effective depth (mm)	290		
	Not Compliant with BRE 365 - Insufficient time to drain past 25% effective depth		

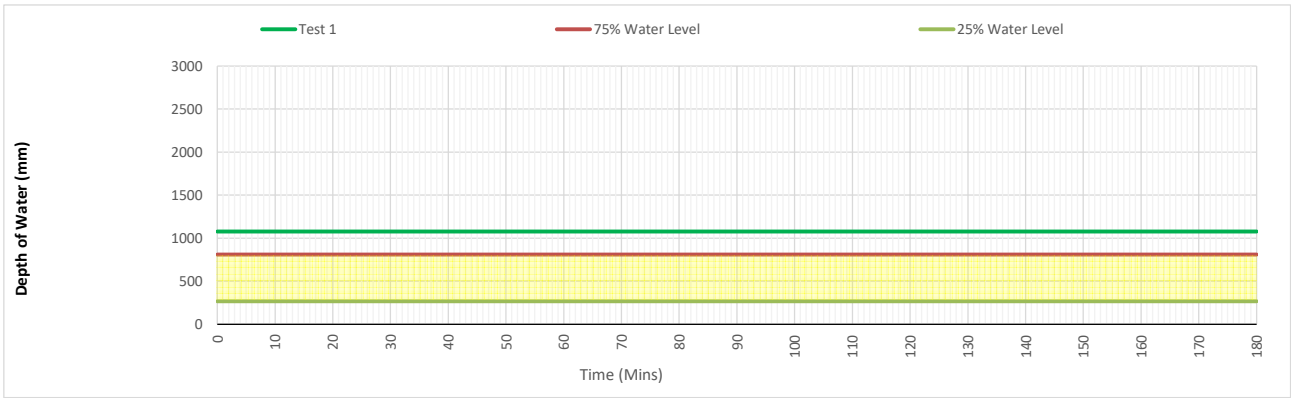
Percolation Test SA06	HOLLINS STRATEGIC LAND LLP	Date of Test: 27/05/2026		 BROWNFIELD SOLUTIONS LTD
	TURNPIKE CLOSE, SEMINGTON	Logged By: MP		
	C6161	Checked By: JW		

Dimensions (mm)	TEST 1	TEST 2	TEST 3	
Length at Top	2000			
Length at Bottom	2000			
Width at Top	500			
Width at Bottom	500			
Depth Tested (Head of Water)	1080			
Depth of Excavation	2500			
Volume of Water (m3)	1.08			
Void Ratio	1			
Factored Volume of Water (m3)	1.08			
Strata Description	Slightly gravelly slightly sandy CLAY			
Pit Details	Open with no stone filling See associated log for stratum details			

Site Recorded Data								
	Test 1		Test 2			Test 3		
Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)
0.00	1420	1080						
1.00	1420	1080						
2.00	1420	1080						
3.00	1420	1080						
4.00	1420	1080						
5.00	1420	1080						
7.00	1420	1080						
9.00	1420	1080						
11.00	1420	1080						
13.00	1420	1080						
15.00	1420	1080						
20.00	1420	1080						
25.00	1420	1080						
30.00	1420	1080						
40.00	1420	1080						
50.00	1420	1080						
60.00	1420	1080						
90.00	1420	1080						
120.00	1420	1080						
150.00	1420	1080						
180.00	1420	1080						

Percolation Test SA06	HOLLINS STRATEGIC LAND LLP	Date of Test: 27/05/2026	 BROWNFIELD SOLUTIONS LTD
	TURNPIKE CLOSE, SEMINGTON	Logged By: MP	
	C6161	Checked By: JW	

Data Analysis



Soil Infiltration Rate Calculation

	Test 1	Test 2	Test 3
Water Level 1	1080.000		
Water Level 2	1080.000		
Time to drain from Water Level 1 to Level 2 (min)	180.000		
Volume of Water Discharged (m3)	0.0000000		
Discharge Area (m2)	6.400		
Soil Infiltration Rate (m/min)	0.0000000		
Soil Infiltration Rate (m/sec)	0.00E+00		

Compliance Check

	Test 1	Test 2	Test 3
Water Level at 75% effective depth (mm)	810		
Water Level at 25% effective depth (mm)	270		
	Not Compliant with BRE 365 - Insufficient time to drain past 25% effective depth		

Percolation Test

SA07

HOLLINS STRATEGIC LAND LLP

Turnpike Close, Semington

C6161

Date of Test:
28/05/2026

Logged By:
RM

Checked By:
JW



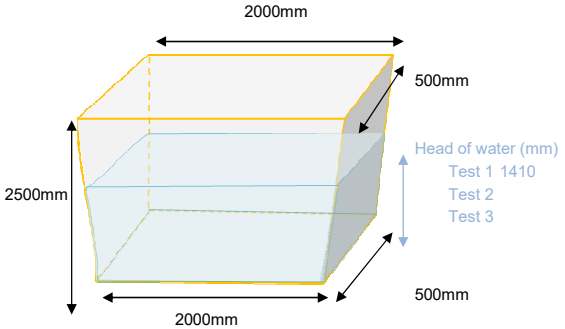
BROWNFIELD SOLUTIONS LTD

Dimensions (mm)	TEST 1	TEST 2	TEST 3
Length at Top	2000		
Length at Bottom	2000		
Width at Top	500		
Width at Bottom	500		
Depth Tested (Head of Water)	1410		
Depth of Excavation	2500		

Volume of Water (m3)	1.41		
Void Ratio	1		
Factored Volume of Water (m3)	1.41		

Strata Description	Slightly sandy CLAY
Pit Details	Open with no stone filling See associated log for stratum details

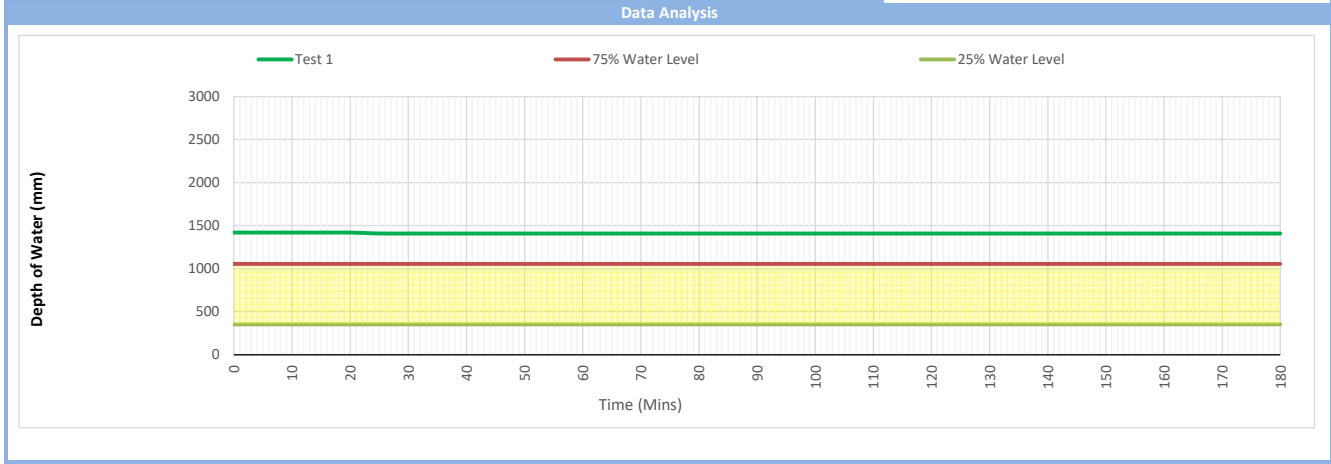
Test Pit Construction



Site Recorded Data

Test 1			Test 2			Test 3		
Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)
0.00	1080	1420						
1.00	1080	1420						
2.00	1080	1420						
3.00	1080	1420						
5.00	1080	1420						
7.00	1080	1420						
9.00	1080	1420						
11.00	1080	1420						
13.00	1080	1420						
15.00	1080	1420						
18.00	1080	1420						
20.00	1080	1420						
25.00	1090	1410						
30.00	1090	1410						
40.00	1090	1410						
50.00	1090	1410						
60.00	1090	1410						
90.00	1090	1410						
120.00	1090	1410						
150.00	1090	1410						
180.00	1090	1410						

Percolation Test SA07	HOLLINS STRATEGIC LAND LLP	Date of Test: 28/05/2026	 BROWNFIELD SOLUTIONS LTD
	Turnpike Close, Semington	Logged By: RM	
	C6161	Checked By: JW	



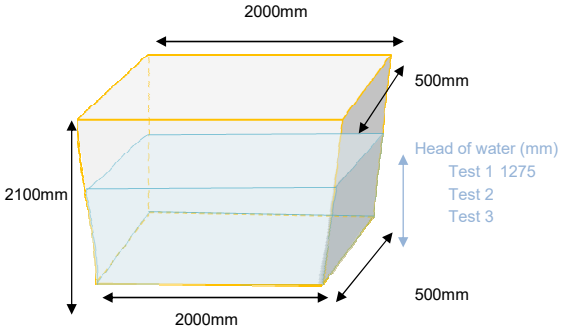
Soil Infiltration Rate Calculation

	Test 1	Test 2	Test 3
Water Level 1	1420.000		
Water Level 2	1410.000		
Time to drain from Water Level 1 to Level 2 (min)	180.000		
Volume of Water Discharged (m3)	0.0100000		
Discharge Area (m2)	8.075		
Soil Infiltration Rate (m/min)	0.0000069		
Soil Infiltration Rate (m/sec)	1.15E-07		

Compliance Check

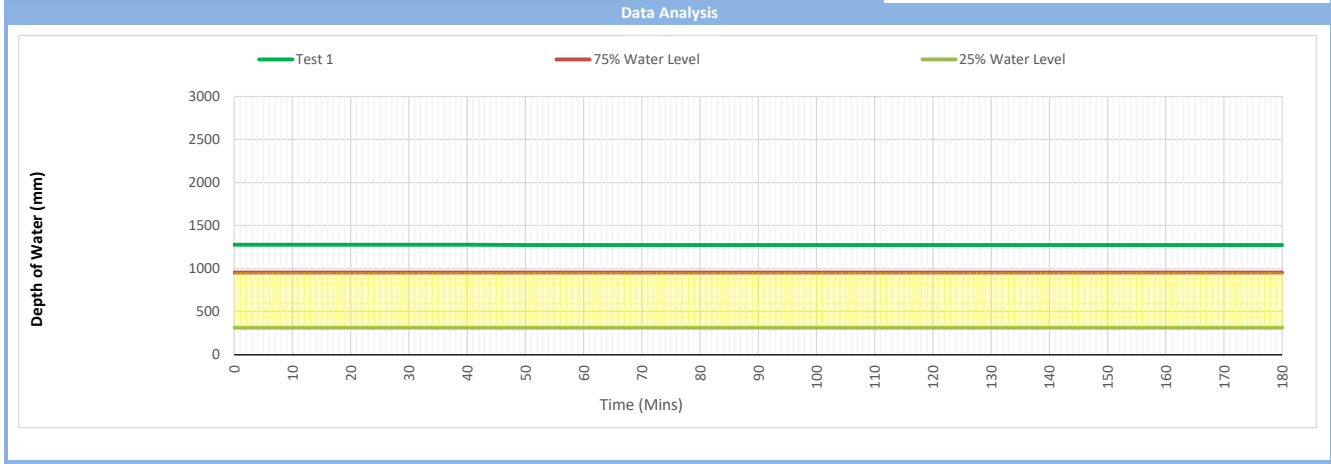
	Test 1	Test 2	Test 3
Water Level at 75% effective depth (mm)	1065		
Water Level at 25% effective depth (mm)	355		
	Not Compliant with BRE 365 - Insufficient time to drain past 25% effective depth		

Percolation Test SA08	HOLLINS STRATEGIC LAND LLP	Date of Test: 28/05/2026		 BROWNFIELD SOLUTIONS LTD
	Turnpike Close, Semington	Logged By: RM		
	C6161	Checked By: JW		

Dimensions (mm)	TEST 1	TEST 2	TEST 3	Test Pit Construction
Length at Top	2000			
Length at Bottom	2000			
Width at Top	500			
Width at Bottom	500			
Depth Tested (Head of Water)	1275			
Depth of Excavation	2100			
Volume of Water (m3)	1.275			
Void Ratio	1			
Factored Volume of Water (m3)	1.275			
Strata Description	Sandy CLAY			
Pit Details	Open with no stone filling See associated log for stratum details			

Site Recorded Data								
Test 1			Test 2			Test 3		
Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)	Time (mins)	Depth to water (mm)	Head of water (mm)
0.00	820	1280						
1.00	820	1280						
2.00	820	1280						
3.00	820	1280						
4.00	820	1280						
5.00	820	1280						
7.00	820	1280						
9.00	820	1280						
11.00	820	1280						
13.00	820	1280						
15.00	820	1280						
20.00	820	1280						
25.00	820	1280						
30.00	820	1280						
40.00	820	1280						
50.00	825	1275						
60.00	825	1275						
90.00	825	1275						
120.00	825	1275						
150.00	825	1275						
180.00	825	1275						

Percolation Test SA08	HOLLINS STRATEGIC LAND LLP	Date of Test: 28/05/2026	 BROWNFIELD SOLUTIONS LTD
	Turnpike Close, Semington	Logged By: RM	
	C6161	Checked By: JW	



Soil Infiltration Rate Calculation

	Test 1	Test 2	Test 3
Water Level 1	1280.000		
Water Level 2	1275.000		
Time to drain from Water Level 1 to Level 2 (mins)	180.000		
Volume of Water Discharged (m3)	0.0050000		
Discharge Area (m2)	7.388		
Soil Infiltration Rate (m/min)	0.0000038		
Soil Infiltration Rate (m/sec)	6.27E-08		

Compliance Check

	Test 1	Test 2	Test 3
Water Level at 75% effective depth (mm)	960		
Water Level at 25% effective depth (mm)	320		
	Not Compliant with BRE 365 - Insufficient time to drain past 25% effective depth		

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APPENDIX I: PRELIMINARY SURFACE WATER DRAINAGE STRATEGY AND NETWORK CALCULATIONS

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