

### **DALLAS BURSTON PROPERTY LIMITED**

BRIXWORTH PERCOLATION TESTING NORTHAMPTON ROAD, BRIXWORTH

**FACTUAL GROUND INVESTIGATION REPORT** 

Contract: 2221120

Date: October 2023

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### **FACTUAL GROUND INVESTIGATION REPORT**

Carried out at

# BRIXWORTH PERCOLATION TESTING NORTHAMPTON ROAD, BRIXWORTH

Prepared for

DALLAS BURSTON PROPERTY LIMITED c/o Dallas Burston Polo Club Stoneythorpe Estate Southam CV47 2DL

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Project Manager



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#### **EXECUTIVE SUMMARY**

On the instructions of Dallas Burston Property Limited (DBP), an investigation was undertaken to determine ground and groundwater conditions to enable a drainage assessment. It is understood that a mixed development is proposed at the site, with associated infrastructure, roadways and parking.

The site is situated within three parcels of land within Hill Farm, off the Northampton Road on the south-eastern outskirts of the village of Brixworth, and may be located by Landranger Grid Reference SP747693. Published geology indicates the site to be underlain by the Northampton Sand Formation.

Site work comprised the machine excavation of fifteen trial pits, with percolation testing carried out in a hand-dug extension to each pit.



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#### 1.0 INTRODUCTION

- 1.1 On the instructions of Dallas Burston Property Limited (DBP), an investigation was undertaken to determine ground and groundwater conditions to enable a drainage assessment.
- 1.2 It is understood that a mixed development is proposed at the site, with associated infrastructure, roadways and parking.
- 1.3 It is recommended that a copy of this report be submitted to the relevant authorities to enable them to carry out their own site assessments and provide any comments.
- 1.4 This report has been prepared for the sole use of the Client for the purpose described and no extended duty of care to any third party is implied or offered. Third parties using any information contained within this report do so at their own risk.
- 1.5 The comments given in this report and the opinions expressed herein are based on the information received, the conditions encountered during site works, and on the results of tests made in the field and laboratory. However, there may be conditions prevailing at the site which have not been disclosed by the investigation and which have not been taken into account in the report.
- 1.6 The comments on groundwater conditions are based on observations made at the time the site work was carried out. It should be noted that groundwater levels vary owing to seasonal or other effects.

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#### 2.0 SITE SETTING

#### 2.1 Site Location

- 2.1.1 The site is situated within three parcels of land within Hill Farm, off the Northampton Road on the south-eastern outskirts of the village of Brixworth, and may be located by Landranger Grid Reference SP747693.
- 2.1.2 A site location plan is included in Appendix 1, Figure A1.1.

### 2.2 Site Description

- 2.2.1 The area investigated was irregular in shape covering an area of approximately 3.5 hectares to the north and west of Brixworth cricket and tennis club and comprised three separate grassed fields with surrounding hedges and trees in part.
- 2.2.2 The existing Brixwoth Cricket and Tennis club to the east which is located to the west of the intersection of Harborough Road (A508) and Northampton Road. The land to the north and west was generally agricultural land.
- 2.2.3 The site was a relatively flat grassed field at the time of the investigation.
- 2.2.4 An exploratory hole location plan is given in Appendix 1, Figure A1.2.

### 2.3 Geological Setting

- 2.3.1 Details of the geology underlying the site have been obtained from BGS Sheet 185, ref. 4.1.
- 2.3.2 The geological map indicates superficial deposits to be absent, with the site directly underlain by the Northampton Sand Formation, described as "ferruginous ironstones and sandy limestones".
- 2.3.3 Made Ground was not anticipated to be present, but there is always the potential that localised areas may exist on the site.

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#### 3.0 SITE WORK

- 3.1 The site work was carried out between the 24<sup>th</sup> and 26<sup>th</sup> October 2023. The locations of the exploratory holes have been stipulated by DBP.
- 3.2 The site work has been carried out on the basis of the practices set out in BS 5930:2015 ref. 4.3 and BS EN 1997-2:2007, ref 4.4. Additional references are noted within the table.

Exploratory Hole Type	Quantity	Hole Reference	Depths	Notes
Trial pits – machine excavated	15	TP01 to TP15	1.0m	
Percolation test pits – hand excavated	15	TP01 to TP15	1.3m	0.3m deep extension at base of each machine-excavated pit
Percolation tests, ref.4.8 / 4.9	15	TP01 to TP15	1.3m	Each test repeated up to 3 times

- 3.3 The positions of the above are shown on the exploratory hole location plan, Appendix 1, Figure A1.2.
- 3.4 The depths of the exploratory holes, descriptions of strata encountered and comments on groundwater conditions are given in the site work records in Appendix 2.
- 3.5 Photographic records of the trial pits are also given in Appendix 2.
- 3.6 Calculated percolation test records are also given in Appendix 2.
- 3.7 The ground levels at the exploratory hole locations were not determined. Approximate coordinates were determined by the use of the 'What Three Words' system and are presented on the logs.

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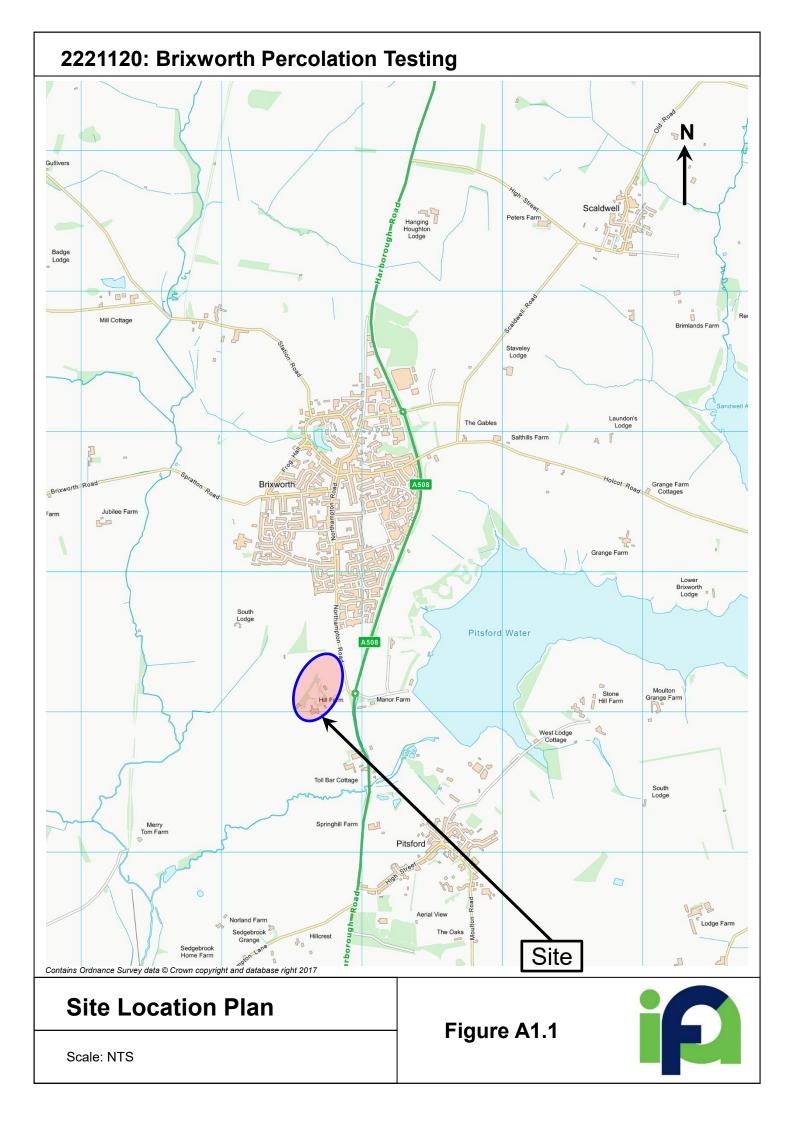


#### 4.0 REFERENCES

- 4.1 BGS Sheet No.185, '*Northampton*', solid and drift edition, 1:50000 scale. British Geological Survey, 1990.
- 4.2 BS 10175: 2011 'Investigation of potentially contaminated sites. Code of practice', British Standards Institute, 2011
- 4.3 BS 5930: 2015+A1: 2020 'Code of practice for ground investigations', British Standards Institute, 2015
- 4.4 BS EN 1997, Part 2:2007, 'Eurocode 7 Geotechnical Design Part 2, Ground Investigation and Design' British Standards Institute, 2007
- 4.5 BS EN ISO 22475-1:2006, 'Geotechnical Investigation and Testing Sampling Methods and Groundwater Measurements' Part 1: Technical Principles for Execution', British Standards Institute, 2006
- 4.6 BS EN ISO 14688 Part 1:2018 and Part 2:2018, 'Geotechnical Investigation and Testing Identification and Classification of Soil', British Standards Institute, 2018
- 4.7 BS EN ISO 14689-1:2018, 'Geotechnical investigation and testing Identification and classification of rock. Part 1: Identification and description' British Standards Institute, 2018
- 4.8 BS6297:2007. 'Code of practice for the design and installation of drainage fields for use in wastewater treatment'. British Standard Institute, 2007
- 4.9 Building Regulations 2000: Approved Document H, 'Drainage and Waste Disposal'.
- 4.10 BRE Digest 365, 'Soakaway Design', Building Research Establishment, 2016
- 4.11 HSG 185, 'Health and Safety in Excavations', Health and Safety Executive, 1999

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APPENDIX 1
DRAWINGS





APPENDIX 2
SITE WORK

#### **APPENDIX 2**

#### **GENERAL NOTES ON SITE WORKS**

#### A2.1 SITE WORK

#### A2.1.1 General

Site work is carried out in general accordance with the guidelines given in BS EN 1997, 4.4 and BS 5930, ref 4.3, and BS 10175, ref.4.2.

#### A2.1.2 Trial Pits

Shallow trial pits are generally dug by mechanical excavator, however, in difficult access locations or adjacent to structures, such pits may be hand dug. Pits are best used where the ground will stand unsupported and generally, the maximum depth of machine dug pits is 4m to 5m. Where personnel are required to enter pits, it is essential that side support is provided. Entry by personnel into unsupported pits deeper than 1.2m is not allowed for health and safety reasons.

Trial pits allow the in-situ condition of the ground to be examined both laterally and vertically and also allow discontinuities to be recorded. The field record should give the orientation of the pit with details of which face was logged, assessment of stability of sides of pit and groundwater as well as the strata encountered. Photographs of the pit may also be taken.

In-situ testing, such as hand penetrometer, hand vane, or similar, can be undertaken in the sides or base of pits while both disturbed and undisturbed samples may be recovered.

It is generally advisable to backfill the pits as soon as possible, open pits should not be left unattended.

#### A2.2 DESCRIPTION OF SOILS

#### A2.2.1 General

The procedures and principles given in BS EN ISO 14688 Parts 1 and 2, ref 4.6, supplemented by section 6 of BS 5930, ref. 4.3 have been used in the soil descriptions contained within this report.

#### A2.3 DESCRIPTION OF ROCK

#### A2.3.1 General

The procedures and principles given in BS EN ISO 14689, ref 4.7, supplemented by section 6 of BS 5930, ref. 4.3 have been used in the rock descriptions contained within this report.

						Project:				Locat	ion ID:		
IAN FARMER JCB 3CX					Brixworth Percolation Testing								
			Dates:				Client:					TP	01
				/10/2023	3		Dallas F	Burston Property	Limited		۵.		
			Location:					Logged by:	Vertical scale:			t 1 of 1 act ID:	
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					(0.40)	weath (Tops	ered ironstone and quar	tz.					
						Be	low 0.20m: Low cobble co	entent of angular to subr	ounded		-		
					0.40		<i>nstone.</i> yellowish brown, occasio	anally brown, sandy ye	ary gravelly	°-°0°			
_						COBE	BLES. Cobbles are angu	lar to subangular, wea	thered very	0 0 0 0	-		
							to weak ironstone. Sand p-rounded, fine to coarse			0,000	Ł		
							nampton Sand Formation		ak ironstone.	0 0 0	ŀ		
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Termination: Scheduled depth Stable during excavation.  Scheduled depth Dimensions (Length m x Width m): 2.70 x 1.60  Water Strikes Strike (m)   Time (mins)   Rose to (m)   Remarks  Orientation:120° from north Checked by: DWB   IFA TP v01.01	_											4			
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Scheduled depth  Stable during excavation.  Infiltration test undertaken 1.00 to 1.30m.  Water Strikes  Strike (m)   Time (mins)   Rose to (m)   Remarks  Orientation:120° from north  Checked by: DWB  IFA TP v01.01	Termination:				Stability				Remarks:						
Dimensions (Length m x Width m):  2.70 x 1.60  Water Strikes  Strike (m)   Time (mins)   Rose to (m)   Remarks  Orientation:120° from north  Checked by:   DWB   IFA TP v01.01	. SimiliadUII.	0.1	الحماريات	šla.	1		vation		No groundwater in			excav	ation.		
2.70 x 1.60    Water Strike (m)   Time (mins)   Rose to (m)   Remarks						3 3,000			infiltration test und	iertaкen 1.00 to	1.30m.				
Water Strikes   Strike (m)   Time (mins)   Rose to (m)   Remarks   Orientation:120° from north	Dimensions (I	-		):											
Strike (m)   Time (mins)   Rose to (m)   Remarks   Orientation:120° from north   Checked by:   DWB   IFA TP v01.01		2.7	70 x 1.60	14/-1	Ctril: a =										
Orientation:120° from north  Checked by: DWB  IFA TP v01.01	Strike (m)	Time (mi	ns) Rose		ourkes	Re	emarks								
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Status: FINAL													IFA TP	v01.01	
									Status:	FIN	AL				

AN FARMER JOS 3CX Since Date Source 24/10/20/23 Since Date Support Date Source A7/40/50/23 Since Date Support Date Source A7/40/50/20/25 Since Date Support Date Supp							Project:				Locat	ion ID:		
ASSOCIATES Date:  24/10/2023							Brixwo	orth Percolation	esting					
Trial Pit Log				Dates:									TP(	)5
Trial PRLog					/10/2023	3		Dallas F	Burston Property	Limited		Cr.	. 4 -5 4	
Trital PH Log Semples & 15 Site Testing  Doorn Semples & 15 Site Testing  Doorn Semples & 15 Site Testing  Site Death  Sit Death  Site Death  Site Death  Site Death  Site Death  Site Dea									-					
Complete & this fill Tenting and State   Lock   Loc	Tria	l Pit Lo	g		NE 2605			0.04.14.1010.1						120
Termination: Scheduled depth Scheduled depth Scheduled depth Scheduled depth Scheduled depth Scheduled depth Scheduled scheduled spell Schedul		Comples	ℓ In Citu To		UL 2000	70 1.001		Strata Do		1.20			ZZZ 1	120
Between gravely set the process, increases, mile and constructions and process of the process of	Denth			-		Depth (m)					Legend	Scale		Backfill/
Terminator:  Scheduled depth  Stable during execusion.  Scheduled depth  Stable during execusion.  Scheduled depth  Stable during execusion.  State (no. Three cents)  Remeate  Scheduled State  Water State  Trave cents   Remeate  Scheduled State  Water State  Trave cents   Remeate  Orentation 100' from sorth  Checked by:  Orentation 100' from sorth	Ворш	Cumple 15		TCSt TCSuit	(mOD)	(Thickness)	Brown			ent rootlets	Cogona	Codic	Strike	Installation
Committee   Comm							Grave	el is angular to rounded,	fine to coarse, ironstor	e, flint and		-		
Committee   Comm						0.20				/	X, X			
Very very large of content of angular to subangular of very very large for product of angular to subangular of very very very very very very very very							Light	brown and brown gravel	ly silty fine to medium	SAND. Gravel	××××	-		
Committation   Committed depth   Committed   Committ							is ang	ular to subrounded fine	to coarse (mostly coar	se) extremely	. × ×	-		
Bellow Collom Michael accrete of angular to subangular of very seak to seak recorded of angular to subangular to subangular of very seak to seak recorded of angular to subangular t	-						(North	nampton Sand Formation	n)		×××	-		
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Bellow Collom Michael accrete of angular to subangular of very seak to seak recorded of angular to subangular to subangular of very seak to seak recorded of angular to subangular t	:					(1.10)					× × ×	-		
Below 0 90m: Low boulder content of angular to subampular of very react to seek rostotice.  1 30  End of Triul Pt as 1.30m  End of Triul Pt as 1.30m  Formanism: Scheduled depth Stability: Scheduled depth Stabil						( - 7				subangular	x. X X	-		
Termination: Scheduled depth Stability: Scheduled depth Stabile during excavation.  Stability: Stabile during excavation. Inflitation test undertaken 1.00 to 1.30m.  Remarks: No groundwater ingress observed during excavation. Inflitation test undertaken 1.00 to 1.30m.  State (m) Time (mm) Resea to (m) Waller Strikes  Remarks: No groundwater ingress observed during excavation. Inflitation test undertaken 1.00 to 1.30m.  Orientation: 100° from north Checked by:  DWB  IFAT PAIL DI										angular of	$x$ , $\times$ $\times$	-		
Termination: Scheduled depth Stable during excavation. Scheduled depth Dimensions (Length m x Width m): 2.40 x 160  Strike (m) Time (mins)   Rose to (m) Water Strikes  Remarks  Checked by: DWB    FATP y01.01										<b>3</b>	$\hat{\mathbf{x}}$	- 1		
Termination: Scheduled depth Stable during excavation. Scheduled depth Dimensions (Length m x Width m): 2.40 x 160  Strike (m) Time (mins)   Rose to (m) Water Strikes  Remarks  Checked by: DWB    FATP y01.01											××××	-		
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Formination: Scheduled depth Dimensions (Length m x Width m): 2.40 x 1.50 Water Strikes Strike (m) Time (mins) Rose to (m)   Remarks   Remarks    Orientation: 190° from north Checked by: DWB   FATP vol. 1.1	· -					1.30		End of T	rial Pit at 1.30m			[		
Formination: Scheduled depth Dimensions (Length m x Width m): 2.40 x 1.50 Water Strikes Strike (m) Time (mins) Rose to (m)   Remarks   Remarks    Orientation: 190° from north Checked by: DWB   FATP vol. 1.1												Ŀ		
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Formination: Scheduled depth Dimensions (Length m x Width m): 2.40 x 1.50 Water Strikes Strike (m) Time (mins) Rose to (m)   Remarks   Remarks    Orientation: 190° from north Checked by: DWB   FATP vol. 1.1	—											- - 2		
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Termination: Scheduled depth Stability: Stable during excavation.  Dimensions (Length m x Width m): 2.40 x 1.60  Water Strikes Strike (m)   Time (mins)   Rose to (m)   Remarks  Orientation:190° from north Checked by:   DWB   IFA TP v01.01												-		
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Termination: Scheduled depth Stability: Stable during excavation.  Dimensions (Length m x Width m): 2.40 x 1.60  Water Strikes Strike (m)   Time (mins)   Rose to (m)   Remarks  Orientation:190° from north Checked by:   DWB   IFA TP v01.01														
Scheduled depth  Stable during excavation.  Infiltration test undertaken 1.00 to 1.30m.  Water Strikes  Strike (m)   Time (mins)   Rose to (m)   Remarks  Orientation:190° from north  Checked by: DWB  IFA TP v01.01	-											5		
Scheduled depth  Stable during excavation.  Infiltration test undertaken 1.00 to 1.30m.  Water Strikes  Strike (m)   Time (mins)   Rose to (m)   Remarks  Orientation:190° from north  Checked by: DWB  IFA TP v01.01	Termination:				Stabilitv <sup>-</sup>		<u> </u>				I	I		
Dimensions (Length m x Width m):   2.40 x 1.60		Sobo	duled don'	th			vation.		No groundwater in	gress observed	d during	excava	ation.	
2.40 x 1.60    Water Strikes						3 37.30			infilitration test und	ertaken 1.00 to	1.3UM.			
Water Strikes   Strike (m)   Time (mins)   Rose to (m)   Remarks   Orientation:190° from north	Dimensions (I			):										
Strike (m)   Time (mins)   Rose to (m)   Remarks   Orientation:190° from north   Checked by:   DWB   IFA TP v01.01		2.4	10 x 1.60	\A/a+c	Strikes				_					
Orientation:190° from north  Checked by: DWB  IFA TP v01.01	Strike (m)	Time (mi	ns) Rose		ourkes	Re	em <u>ar</u> ks							
├─── <del>─────────────────────────────────</del>												-		
Status: FINAL													IFA TP	v01.01
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						Project:				Locat	ion ID:		
IAN FARMER JCB 3CX					Brixwo	orth Percolation <sup>-</sup>	Testing						
		IATES					Client:					TP(	<b>)</b> 6
		., 11 23		/10/2023	3			Burston Property	Limited				
			Location:	10,202				Logged by:	Vertical scale:			t 1 of 1 act ID:	
Trial	l Pit Lo	a		05 0600	000 000		Ground level.	RC	1:25			2221	120
		-	474791.0	UE 2093	99.00N				1.23			ZZZ I	120
D #b		& In Situ Te		Level	Depth (m)		Strata De				0	Water	Backfill/
Depth	Sample ID		Test Result	(mOD)	Depth (m) (Thickness)	Brown	n gravelly, silty fine to me	a Description	eional	Legend	Scale	Strike	Installation
						rootle	ts. Gravel is angular to re	ounded, fine to coarse	of limestone		-		
					0.20	and q	uartz. Low cobble conte			N.			
						ironsto (Topso			/	0 0 0 0	-		
						Light I	brown to occasionally br	own sandy, very grave	elly.	ه ده ده	-		
· -						COBE	BLES. Cobbles are anguironstone. Gravel is ang	lar to sub-angular, ver	y weak to	0,000	-		
:							ironstone. Sand is fine to		y weak to	0 3 0 0	-		
							nampton Sand Formation			0 0 0 0	-		
:					(1.10)	0.4	0-0.60m: Subangular bou	ider of ilmestone.		0 0 0 0	-		
:										0000	-		
_						Bei	low 0.90m: Light brown to	yellowish brown.		0000	1		
										0 0 0 0	ļ .		
[					1.30			W-1 Dit -4 4 00		0000			
<u> </u>							End of T	rial Pit at 1.30m			-		
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Termination:				Stability:				Remarks:	narese obconvo	d during	24007	ation	
	Sche	duled dept	th	Stable du	ıring exca	vation.		No groundwater in Infiltration test und	igress observed dertaken 1.00 to	a during ( ) 1.30m.	SVEOVE	auOH.	
Dimensions (L				1									
(1		2 Widii iii 90 x 1.60											
	۷.3	22 A 1.00	Water	Strikes									
Strike (m) Time (mins) Rose to (m)					Re	emarks		Oriontation 2550 f	rom north				
							Orientation:355° f		/D				
								Checked by:	DV		-	IFA TP	v01.01
								Status:	FIN	AL	_		

							Project:				Locat	ion ID:	
IAN FARMER JCB 3CX						Brixworth Percolation Testing							
		IATES	Dates:				Client:					TP	)7
				/10/2023	3			Burston Property	Limited		Cr.	. 4 -2 -	
			Location:					Logged by:	Vertical scale:			t 1 of 1 act ID:	
Trial	l Pit Lo	g	474817.0	NE 2604	38 UUN		0.04.14.10.10.1	RC	1:25			2221	120
	Comples	& In Situ Te		UL 2004	00.0014		Strata De		1.20			ZZZ I	120
Depth	Sample ID		Test Result	Level	Depth (m)			a Description		Legend	Scale	Water	Backfill/
Бори	Cumple 12		icst itesuit	(mOD)	(Thickness)	Brown	n, slightly gravelly, silty fi		with	Ecgciid W/XW/X	Codic	Strike	Installation
t						occas	ional rootlets. Gravel is a				_		
					0.25	quartz Tops:(	z and ironstone.						
					0.23	Brown	and light brown gravelly		SAND. Gravel	××××			
					0.40		ular to rounded, fine to on nampton Sand Formation		,	XX.			
-					(0.30)	Brown	and light brown, with o	ccasional light yellowis	h brown				
							and GRAVEL with medingular, very weak to wea						
					0.70		ım. Gravel is angular to s						
:							ironstone. nampton Sand Formatior	.)			-		
						Light	brown to yellowish brown	n, occasionally brown	sandy		-		
-					(0.60)		EL with high cobble con to medium. Gravel is an				- 1 -		
							y weak ironstone. Cobble				-		
:					4.00	weak	to weak ironstone. Bould				-		
· -					1.30	ironst (North	nampton Sand Formation		/		-		
								rial Pit at 1.30m			[		
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Termination:				Stability:				Remarks: No groundwater ir	aress observed	d during	24027	ation	
	Sche	duled dept	h	Stable du	ıring exca	vation.		Infiltration test und			SVEOVE	auOH.	
Dimensions (L				1									
(1	-	2 Widii iii 90 x 1.60	<i>r</i> -										
				Strikes									
Strike (m)	Time (mi	ns) Rose	e to (m)		Re	emarks		Orientation:255° f	rom north				
								Checked by:	rom nortn DW	/R	T		
								Status:	FIN		+	IFA TP	v01.01
								Sidius.	FIN	ΛL			

Plant used: Project:						Project:				Locat	ion ID:		
IAN FARMER JCB 3CX						Brixwo	orth Percolation	Testing					
		IATES	Dates:				Client:					TP(	<b>)</b> 8
				/10/2023	3		Dallas F	Burston Property	/ Limited		Cr.	. 4 -5 4	
			Location:					Logged by:	Vertical scale	:		t 1 of 1 act ID:	
Tria	l Pit Lo	g	474824.0	NE 2603	75 OON		0.04.14.1010.1	RC	1:25			2221	120
	Comples	& In Situ Te		UL 2000	7 0.001		Strata De		1.20			ZZZ 1	120
Depth	Sample ID		Test Result	Level	Depth (m) (Thickness)			a Description		Legend	Scale	Water	Backfill/
Бори	Gampio ib		Tool (Count	(mOD)	(Thickness)	Brown	n, gravelly silty fine to me		asional	Zogona	1	Strike	Installation
					(0.30)	rootle	ts. Gravel is angular to re	ounded fine to coarse	of ironstone				
					(0.30)		uartz. Occasional gravel andy silt.	to boulder sized pocl	kets of soft to				
					0.30	(Tops	oil)			××××	-		
						Light	yellowish brown to light b	brown slightly sandy,	slight gravelly	$\times \times \times \times$	-		
_						to wea	with low cobble content of ak ironstone. Gravel is a	ngular to subangu ngular to subangular	fine to coarse	( × × × × × × × × × × × × × × × × × × ×	-		
						very v	veak ironstone.	-		( × × × × × × × × × × × × × × × × × × ×	-		
						(Nortr	nampton Sand Formation	n)		$\times \times \times$	-		
					(1.00)					× × × >	-		
						Be	low 0.90m: Low boulder c	ontent of angular to sui	brounded.	× × × >	-		
_						ver	ry weak to weak ironstone	and gravelly with med	ium cobble	$\times \times \times \times$	_ 1		
						COI	ntent.			× × × × ×	ł		
										( × × × × × × × × × × × × × × × × × × ×	ŀ		
ŀ					1.30		Fnd of T	rial Pit at 1.30m		r×××	[		
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Termination:	ı			Stability:				Remarks:					•
	Sche	duled dept	th	Stable du	ıring exca	vation.		No groundwater i			excava	ation.	
Dimonoicas //				-									
Dimensions (I	-	x vviatn m 50 x 1.60	· · ·										
	۷.۵	JU A 1.00	Water	Strikes									
Strike (m)	Time (mi	ns) Rose	e to (m)		Re	emarks			<b>.</b>				
								Orientation:340°		VD.	1		
								Checked by:	DV		-	IFA TP	v01.01
							Status:	FIN	i/\L				

						Project:				Location ID:			
IAN FARMER JCB 3CX						Brixwo	orth Percolation	Testing				.	
		IATES	Dates:				Client:				1	TP(	)9
				/10/2023	3		Dallas E	Burston Property	/ Limited				
			Location:					Logged by:	Vertical scale:			t 1 of 1 act ID:	
Trial	l Pit Lo	g	474771.0	NE 2603	50 NON		0.04.14.1010	RC	1:25		1	2221	120
	Comples	& In Situ Te		UL 2000	00.001		Strata De		1.20			ZZZ 1	120
Depth	Sample ID		Test Result	Level	Depth (m) (Thickness)			a Description		Legend	Scale	Water	Backfill/
Бори	ourripie ib		TCSt TCSuit	(mOD)	(Thickness)	Firm h	prown, slightly gravelly s		ional rootlets	Legend	Coulc	Strike	Installation
					(0.30)	and ro	oots. Gravel is angular to one. Low cobble content	o rounded, fine to coa	rse quartz and				
					0.30	weak (Tops	to weak ironstone.				1		
ļ						Soft to	o firm light brown, occas			$\times \times $	-		
-						sandy fine to	SILT with occasional ro medium. Gravel is ang	ots and low copple co ular to subrounded fin	e to coarse of	X X X X	-		
						very v	veak ironstone and rare	siliceous gravel. Cobl	oles are	X X X X	E		
							ar to subangular very we nampton Sand Formation		•	× × × ×			
					(1.00)	•	•	•		$\times \times \times$	-		
							low 0.90m: Low boulder c	ontent of angular to su	bangular	× × × >	-		
-						we	ak ironstone.			× × × >	1		
										××××	-		
										× × × >	ļ		
<u> </u>					1.30		End of T	rial Pit at 1.30m		***X: X:	-		
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Termination:				Stability:				Remarks: No groundwater	narese obsenza	d during	excav"	ation	
	Sche	duled dept	th	Stable du	ıring exca	vation.		Infiltration test un			CAUdVi	auUII.	
Dimensions (L	Length m	x Width m	1):	-									
(-	-	20 x 1.70	•										
21.11				Strikes									
Strike (m)	Time (mi	ns)   Ros	e to (m)		Re	emarks		Orientation:60° fr	om north				
								Checked by:	DV	VB			
								Status:	FIN			IFA TP	v01.01
								J.dido.		-			

Plant used:   Project:     Project:   Proj	Cont	t 1 of 1 ract ID: 222112	
ASSOCIATES  Dates:  25/10/2023  Dallas Burston Property Limited  Client:  Dallas Burston Property Limited  Forund level:  Dallas Burston Property Limited  Ground level:  Logged by: RC  1:25  Samples & In Situ Testing  Depth  Sample ID  Test Result  Depth  Test Result  Depth  Depth  Test Result  Depth  Depth	Cont	et 1 of 1 ract ID: 222112	
Trial Pit Log Location:  Samples & In Situ Testing  Depth Sample ID  Test Result  Depth (mOD)  Test Result Services Strata Details  Strata Description  Firm brown slightly gravelly sandy silt with occasional rootlets and roots. Gravel is angular to fine to coarse of quartz and ironstone. Low cobble content of angular to sub-angular very weak to weak ironstone. (Topsoil)	Cont	et 1 of 1 ract ID: 222112	
Trial Pit Log Location:  474721.00E 269272.00N Ground level: Logged by: Vertical scale: RC 1:25  Samples & In Situ Testing Strata Details  Depth Sample ID Test Result Level (mOD) Clinickness) Strata Description  Firm brown slightly gravelly sandy silt with occasional rootlets and roots. Gravel is angular to fine to coarse of quartz and ironstone. Low cobble content of angular to sub-angular very weak to weak ironstone. (Topsoil)	Cont	222112	0
Trial Pit Log 474721.00E 269272.00N RC 1:25  Samples & In Situ Testing Strata Details  Depth Sample ID Test Result Level (mOD) Test Result (mOD) Test Result (mOD) (0.30)  Firm brown slightly gravelly sandy silt with occasional rootlets and roots. Gravel is angular to fine to coarse of quartz and ironstone. Low cobble content of angular to sub-angular very weak to weak ironstone. (Topsoil)		222112	0
Samples & In Situ Testing  Depth Sample ID Test Result  Level (mOD) Depth (mOD)  (0.30)  Firm brown slightly gravelly sandy silt with occasional rootlets and roots. Gravel is angular to fine to coarse of quartz and ironstone. Low cobble content of angular to sub-angular very weak to weak ironstone. (Topsoil)		Water I	0
Depth Sample ID Test Result Level (mOD) Depth (m) (Thickness)    Comparison of the content of angular to sub-angular very weak to weak ironstone. (Topsoil) Strata Description Leger    Comparison of the content of angular to sub-angular very weak to weak ironstone. (Topsoil)	d Scale	Water In	
Chickness   Control of the stresult   Cont	d Scale	Strike In	Backfill/
roots. Gravel is angular to fine to coarse of quartz and ironstone. Low cobble content of angular to sub-angular very weak to weak ironstone.  (70.30)  (0.30)  (0.30)			stallation
(0.30) Low cobble content of angular to sub-angular very weak to weak ironstone. (1.30) (Topsoil)		\\\\//	
0.30 (Topsoil)			
(//repeall)	×.		
Light brown and light yellowish brown, very gravelly silty fine to	N: L		
medium SAND with low cobble content and occasional roots.	×.Ł		
(0.50) Gravel is angular to subrounded, fine to coarse of very weak ironstone. Cobbles are angular to subangular of very weak to	X.		
weak ironstone.	À		
(Northampton Sand Formation)	I		
Light brown and light yellowish brown, very sandy, silty GRAVEL with medium cobble content. Sand is fine to medium. Gravel is	ìŧ		
	×.		
(0.50) to subangular very weak to weak ironstone.	έF' -		
(Northampton Sand Formation)	×[		
	×.		
1.30 End of Trial Pit at 1.30m	Ŧ		
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Termination: Stability: Remarks:			
Stable during excavation.  No groundwater ingress observed durin Infiltration test undertaken 1.00 to 1.30n	excav	ation.	
- Illilitation test undertaken 1.00 to 1.301			
Dimensions (Length m x Width m):			
2.60 x 1.60  Water Strikes			
Strike (m) Time (mins) Rose to (m) Remarks			
Orientation:200° from north			
Checked by: DWB		IFA TP v01	1.01
Status: FINAL		٧٥	

Plant used:							Project:	Location ID:						
IAN FARMER JCB 3CX					Brixworth Percolation Testing					TP11				
A	SSOC	IATES	Dates:				Client:					IP'	11	
				/10/2023	3		Dallas Burston Property Limited				<u>.</u>			
			Location:	10/2020				Logged by:	Vertical scale:			Sheet 1 of 1 Contract ID:		
Trial Dit Log				OF 260444 00N			0.54.14.15.15.1	RC	1:25		1	2221	120	
		_		633.00E 269111.00N			Otro-to-Di		1.20	1		ZZZ I	120	
Depth	Sample ID	& In Situ Te	Test Result	Level	Depth (m)		Strata De	a Description		Legend	Scale	Water	Backfill/	
Берш	Sample ID		Test Result	(mOD)	(Thickness)	Brown	n gravelly silty fine to me		seional rootlete	Legend	Scale	Strike	Installation	
						and ro	oots. Gravel is angular to	o rounded, fine to coa	rse of quartz		-			
					(0.35)		onstone.				-			
						(Tops	OII)				-			
					0.35	Light I	brown COBBLES with m	nuch sandy gravel. Sa	ind is fine to		1			
-							ım. Gravel is angular to s ironstone. Cobbles are a			0,000	Ė			
							ak ironstone.	angular to subangular	or very weak	00.00	<u>.</u>			
							nampton Sand Formation			Los _0 0	-			
					(0.95)	o.s sar	35-1.30m: Eastern end of t nd with medium cobble co	ntent. Sand is fine to n	avelly slity nedium.	0000	1			
					(0.93)		avel is angular to subroun			0 0 0 0	1 1			
-							nstone. Cobbles are angu ak ironstone.	aa to subangulal Ol Ve	y weak to					
:										000				
										0,000	ļ			
<u> </u>					1.30		F.J. (T	rial Dit at 1 20		0000				
:							Ena of I	rial Pit at 1.30m						
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Termination:				Stability:				Remarks: No groundwater	ingress observe	d durina (	excav	ation.		
Scheduled depth Stable during excavation				vation.		Infiltration test ur								
Dimensions (Length m x Width m):														
2.40 x 1.60														
Ctuil / \	There is a	ma)   D		Strikes		a wa¹								
Strike (m)	Time (mi	ns)   Ros	e to (m)		R	emarks		Orientation:65° fr	om north					
								Checked by:	DV	VB	Т			
								Status:	FIN			IFA TP	v01.01	
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			Plant used:						Location ID:							
1/	NFΔ	RMER	JC	CB 3CX			Project: Brixworth Percolation Testing									
^	SSOC	IATES					Client:						12			
A	3300	IAI E3		10/2023	2			Dallas Burston Property Limited								
				110/2023							Sheet 1 of 1 Contract ID:					
Tria	l Pit Lo	a	Location:				Ground level:	Logged by:					400			
474663.0				JE 2691	12.00N			RC	1:25			2221	120			
		& In Situ Te		Level Depth (m)			Strata De			1		10/-4	Backfill/			
Depth	Sample ID		Test Result	(mOD)	Depth (m) (Thickness)	_		a Description		Legend	Scale	Water Strike	Installation			
						Brown	n gravelly silty, fine to me pots. Gravel is angular to	edium SAND with occason sub-rounded, fine to c	sional rootlets coarse of							
					(0.30)	ironst	one a quartz.	Jub-rounded, line to c	oarse or		-					
					0.30	(Tops	,				-					
					0.30	Light I	brown very gravelly silty	fine to medium SAND	with high	××××						
						subro	e content and occasiona unded, fine to coarse of	verv weak ironstone. C	ar เบ obbles are	$\times$ $\times$ $\times$						
						angula	ar to subangular very we	eak to weak ironstone.		×× ×	-					
						0.3	nampton Sand Formatior 10-1.30m: Significantly higi	her proportion of cobbles	s on	×××						
					(1.00)	we	stern half. Relict bedding	visible.		^x ×						
					(1.00)		low 0.80m: Western end o gular to subangular of very			×××	-					
						ang	gular to subarigular of very	y weak to weak fronstone	<del>;</del> .	××××						
										$\times$ $\times$ $\times$	- 1 -					
										x. ×. x	-					
					4.00					X××						
					1.30		End of T	rial Pit at 1.30m			-					
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Termination: Stability:							Remarks:	gross shares	d durin =	vec:	otion					
Scheduled depth Stable during excavation					vation.		No groundwater in Infiltration test und	gress observed ertaken 1.00 to	a auring e 5 1.30m.	xcava	auon.					
Dimensions (Length m x Width m):																
Dimensions (Length m x width m): 2.10 x 1.60																
2.10 x 1.60 Water Strikes																
Strike (m)	Time (mi	ns) Rose	e to (m)		Re	emarks		Oriontatia - 2050 f	om north							
								Orientation:325° fr	om north DV	/D						
								Checked by: Status:			-	IFA TP	v01.01			
								Status:	FIN	r/L	_					

Plant used:						Project:	Location ID:								
PA IA	NIAN FARMER JCB 3CX					Brixworth Percolation Testing					TP13				
		IATES	Dates:				Client:				1	TP'	13		
				/10/2023	3		Dallas F	Dallas Burston Property Limited			Sheet 1 of 1				
			Location:					Logged by:	Vertical scale:			Sheet 1 of 1 Contract ID:			
Trial	Pit Lo	g		DE 269299.00N				RC	1:25			2221	120		
	Comples	& In Situ Te		7L 200200.001 <b>V</b>			Strata De		1.20			ZZZ 1	120		
Depth	Sample ID		Test Result	Level	Depth (m) (Thickness)			a Description		Legend	Scale	Water	Backfill/		
Бори	oumpie ib		TCSt TCSuit	(mOD)	(Thickness)	MADE	E GROUND: Dark blueish		coarse sand	Ecgena	Codic	Strike	Installation		
					0.10	with fr	equent rootlets. Gravel is	s angular to rounded,			-				
					0.25		ım of coal, clinker and ird E GROUND: Light brown		ndv siltv						
					0.25	angula	ar to subrounded fine to	coarse gravel. Sand is	fine to	$\times \times \times$	-				
						mediu	<u>ım. Gravel of ironstone, r</u> brown, slightly gravelly, s	rare clinker and wood	fragments.	×××	[				
-						occas	ional roots and low cobb	olle content. Gravel is a	ngular to sub-	[×, × î	ŀ				
						round	ed, fine to coarse of iron	stone. Cobble content	of angular to	×·×	ŀ				
							ngular very weak to weak nampton Sand Formation			××××					
					(1.05)		low 0.80m: Medium boulde	•	subangular,	$\times$ $\times$ $\times$	-				
:						we	ak to medium ironstone.	-	-	× × ×	-				
-										×××	_ 1				
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.					1.30		End of Tr	rial Pit at 1.30m		V. X.	-				
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Termination:				Stable du		watio-		Remarks: No groundwater in			excava	ation.			
Scheduled depth Stable during excavation				ivation.		Infiltration test und									
Dimensions (L	ength m	x Width m	):												
	2.2	20 x 1.70		<u></u>											
Strike (m)	Time (mi	ns) Rose	Water e to (m)	Strikes	P	emarks		_							
Samo (III)	(1111	11036	(/		170			Orientation:50° fro	m north						
								Checked by:	DV	/B		IFA TP	v01 01		
								Status:	FIN	AL			VO 1.U I		

	AN FAI			CB 3CX			Project:  Brixworth Percolation Testing  Client:					Location ID:  TP14				
			26/	10/2023	3		Dallas Burston Property Limited					heet 1 of 1				
Trial Dit Log				00E 269306.00N			Ground level:	Logged by:	Vertical scale: 1:25			act ID:	120			
Depth	Samples 8		sting Test Result	Level (mOD)	Depth (m) (Thickness)		Strata D Stra	Details ta Description		Legend	Scale	Water Strike	Backfill/ Installation			
				(1100)	0.20	fine to clinke and m Light I fine to subroi (North 0.2 Bei	E GROUND: Greyish brooccase gravel of flint, or 80% gravel is subang nedium cobble content ob brown and occasionally brown and occasionally or medium SAND, with lounded very weak to wenampton Sand Formatio 10-0-0.30m: Reworked in plow 0.50m: Slightly grave 10-0-0.30m: Light brown own.	quartz ironstone and ra jular to rounded. Frequ of angular to sub-angul light yellowish brown ow cobble content of a ak ironstone and rare f on) aces with overlaying ma	re asphalt and ent rootlets ar ironstone. / gravelly silty engular to lint.  de ground.		1		=======			
					1.30		End of <sup>7</sup>	Trial Pit at 1.30m			2					
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Termination: Stability:						Remarks:										
Scheduled depth  Dimensions (Length m x Width m):  2.30 x 1.60  Water Strikes							No groundwater i Infiltration test un	ngress observed dertaken 1.00 to	a during 6 0 1.30m.	excava	ation.					
Strike (m)   Time (mins)   Rose to (m)   Remarks						emarks		Orientation:255° 1 Checked by:	DW			IFA TP	v01.01			
								Status:	FIN	AL			-			

	Plant used:						Project:					Location ID:					
· IA	IAN FARMER JCB 3CX					Brixworth Percolation Testing					TD45						
		IATES	Dates:		Client:							TP'	15				
				6/10/2023 00E 269327.00N			Dallas Burston Property Limited				Cr.	. 4 -5 4					
			Location:					Logged by:	Vertical scale:			Sheet 1 of 1 Contract ID:					
Trial	l Pit Lo	g						RC	1:25		2221120						
	Comples	& In Situ Te					Strata De		1.20			ZZZ 1	120				
Depth	Sample ID		Test Result	Level Depth (m)				a Description		Legend	Scale	Water	Backfill/				
Бори	Cumple 15		TCSt TCSuit	(mOD)	(Thickness)	Brown	n gravelly silty, fine to me		nt rootlets	Ecgciid W/XW/X	Codic	Strike	Installation				
						Grave	el is angular to sub-round	led, fine to coarse iron	stone and								
					0.25	quartz Tops:											
					0.23	Brown	n to light brown, gravelly,			××××	-						
					(= (=)	mediu	im cobble content of ang ironstone. Gravel is ang	jular to subangular ver	y weak to	×××							
-					(0.45)		veak ironstone.	ulai to subioulided, illi	e to coarse or	[`x_; x`}	-						
						(North	nampton Sand Formation	1)		×××	-						
					0.70	Liaht I	brown and light yellowish	n brown, gravelly, silty.	fine to	× × ×							
						mediu	um SAND with medium c	obble content and med	dium boulder	$\times$ $\times$ $\times$	-						
:							nt. Gravel is angular to s ironstone. Cobbles are a			× × ×	-						
-					(0.60)	to wea	ak ironstone. Boulders a	re angular to sub-angu		×××	_ 1						
							one, typically 30mm to 5 nampton Sand Formatior			×××	-						
						וווטונו	iampion Ganu Funnation	'/		×××	<u> </u>						
					1.30		End of T	rial Pit at 1.30m		. Χ' . x'.	-						
<u> </u>											-						
-											-						
											-						
											-						
;											-						
											-						
-											- 2						
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:											-						
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											-						
<u> </u>																	
-											- - 5						
Termination:				Stability:				Remarks:									
reminadul.	٥.	a.a	u.		uring exca	vation		No groundwater in			excava	ation.					
		duled dept		S.asie ul	y exca	rauUII.		Infiltration test und	ertaken 1.00 to	1.30m.							
Dimensions (L	Length m	x Width m	):														
	2.7	70 x 1.50															
Strike (m)	Time (mi	ns) Rose	Water e to (m)	Strikes	P.	emarks											
Cuinc (III)	_ minc (mi	11056	(m)		1/0	-mai No		Orientation:355° fr	om north								
								Checked by:	DV	/B		ICA 75	v01.01				
								Status:	FIN	AL		IFA TP	10.1°0v				
								<del>- !</del>	-								





































**Trial Pit Photographs** 























**Trial Pit Photographs** 























	SOIL PERCOLATION TEST to BS6297+A1: 2008									
Client:		Dallas Burston	Property Limited							
Site:		Brixworth Perc	olation Testing							
Joh No: 2221120 Date 30/10/2023										

TP No	Test No	Time 75% Full	(sec.) 25% Full	Fall from 75%	75% Depth mm	25% Depth mm	Percolation Value Vp (sec/mm)
TP01	1	60.0	1110.0	1050.0	90	230	7.50
11701	2	300.0	1680.0	1380.0	90	230	9.86
	3	360.0	1950.0	1590.0	105	235	12.23
						Average	9.86
TP02	1	48.0	153.0	105.0	97.5	232.5	0.78
	2	48.0	198.0	150.0	82.5	227.5	1.03
	3	42.0	204.0	162.0	82.5	227.5	1.12
						Average	0.98
TP03	1	480.0	4320.0	3840.0	75	225	25.60
						Average	25.60
TP04	1	24.0	210.0	186.0	97.5	232.5	1.38
	2	24.0	330.0	306.0	90	230	2.19
	2	30.0	540.0	510.0	112.5	237.5	4.08
						Average	2.55
TP05	1	54.0	1140.0	1086.0	82.5	227.5	7.49
	2	66.0	1710.0	1644.0	97.5	232.5	12.18
	3	54.0	2220.0	2166.0	97.5	232.5	16.04 <b>11.90</b>
						Average	11.90
TP06	1	9.0	27.0	18.0	127.5	242.5	0.16
	2	12.0 12.0	30.0 30.0	18.0 18.0	150 150	250 250	0.18 0.18
	3	12.0	30.0	16.0	130	Average	0.17
TP07	1	72.0	432.0	360.0	127.5	242.5	3.13
	2	48.0 36.0	336.0 600.0	288.0 564.0	75 120	225 240	1.92 4.70
	O	00.0	000.0	004.0	120	Average	3.25
		40.0	40.0	00.0	405	•	
TP08	1 2	18.0 24.0	48.0 132.0	30.0 108.0	105 187.5	235 262.5	0.23 1.44
	3	15.0	180.0	165.0	150	250	1.65
						Average	1.11
TP09	1	18.0	66.0	48.0	127.5	242.5	0.42
	2	24.0	120.0	96.0	112.5	237.5	0.77
	3	90.0	1320.0	1230.0	97.5	232.5	9.11
						Average	3.43
TP10	1	12.0	72.0	60.0	127.5	242.5	0.52
	2	12.0	90.0	78.0	150	250	0.78
	3	15.0	96.0	81.0	135	245	0.74
						Average	0.68
TP11	1	7.2	22.8	15.6	187.5	262.5	0.21
	2	10.8	33.6	22.8	225	275	0.46
	3	18.0	90.0	72.0	210	270 <b>A</b> verage	1.20 <b>0.62</b>
						Average	
TP12	1	45.0	438.0	393.0	157.5	252.5	4.14
	2	120.0 135.0	1140.0 1620.0	1020.0 1485.0	142.5 157.5	247.5 252.5	9.71 15.63
	Ü	100.0	1020.0	1400.0	107.0	Average	9.83
TD45		00.0	4000.0	4504.0	7-	•	
TP13	1	96.0	4620.0	4524.0	75	225	30.16 30.16
						Average	30.16
TP14	1	39.0	153.0	114.0	112.5	237.5	0.91
	2	66.0 186.0	1020.0	954.0 1314.0	75 75	225	6.36
	3	186.0	1500.0	1314.0	75	225 <b>Average</b>	8.76 <b>5.34</b>
_			_				
TP15	1	60.0	768.0	708.0	135	245	6.44
	2 3	54.0 66.0	1140.0 1080.0	1086.0 1014.0	116.25 112.5	238.75 237.5	8.87 8.11
		55.5	.000.0	.511.5	1.2.0	Average	7.80
						Average	7.00



	Building Regul		ERCOLATION TE oproved Docume		-A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	2221	1120	Test No:	TP0	1: Test 1		
	CAL	CULATION O	F SOIL INFILTI	RATION RATE			
ime (mins)	Depth (mm)			Length (m) =	0.30		
0	20	1	Size of Trial Pit	Width (m) =	0.30		
0.5	40			Depth (m) =	0.30		
1	90	•					
1.5	90			at start of test =			
2	100			h to base of pit =			
3	110			er at 75% level =			
4	120		•	er at 50% level =			
5 10	120 170		Depth to wat	er at 25% level =	∠3U.U		
	200		Danie	oros of nit (2)	0.000		
15				area of pit $(m^2) =$			
20	240			s 75 - 25% (m <sup>2</sup> ) =			
25	270		Volume outflow	75 - 25% (m <sup>3</sup> ) =	0.013		
27	300	-		Fuero the sure	•		
				From the graph tp 75 (min) =			
		-		tp 75 (min) =			
		<u> </u>		τρ 23 (ΠΠΠ) =	10.5		
		Soil infiltration	on rate, f, (m/s) =	4.65E-05	normal test		
			e for 1mm (Vp) =		Seconds		
		Input by:	GK	Date:	25/10/2023		
		Checked by:	РВ	Date:	25/10/2023		
			Time (mins)				
C	5	10	15	20	25 30		
0					→ Series1		
50 <del>-</del>							
ا ٥٥	\				——75% value		
-							
100					25% value		
Depth (mm) 1200 -							
Depth (mm)							
Depth (mm) 200							
Depth (mm) 200							
Depth (mm) 200			Notes				



	Building Regu		ERCOLATION TE		·A1: 2008			
Client:		Dal	las Burston Prope	erty Limited				
Site:		Brixworth Percolation Testing						
Job No:	222	1120	Test No:	TP0	1: Test 2			
	CAL	CULATION O	F SOIL INFILTI	RATION RATE				
Time (mins)	Depth (mm)			Length (m) =	0.30			
0	20	7	Size of Trial Pit	Width (m) =	0.30			
0.5	50			Depth (m) =	0.30			
1	60			, , ,				
1.5	60			at start of test =				
2	70			h to base of pit =				
3	70			er at 75% level =				
4	80			er at 50% level =				
5	90		Depth to wat	er at 25% level =	230.0			
10	120		_	2 2				
15	140			area of pit (m <sup>2</sup> ) =				
20	180			s 75 - 25% (m <sup>2</sup> ) =				
30	240		Volume outflow	75 - 25% (m³) =	0.013			
36	300	_						
				From the graph				
				tp 75 (min) =				
				tp 25 (min) =	28			
		Soil infiltration	on rate. f. (m/s) =	3.54E-05	normal test			
			on rate, f, (m/s) =	3.54E-05	normal test Seconds			
			on rate, f, (m/s) = ne for 1mm (Vp) = GK	3.54E-05 Date:				
		Tim	e for 1mm (Vp) =		Seconds			
Depth (mm)  100  100  200  250	5	Tim Input by:	e for 1mm (Vp) =  GK  PB  Time (mins)	Date:	Seconds 25/10/2023			
50 100 150 200 250	5	Input by: Checked by:	re for 1mm (Vp) = GK PB Time (mins) 20	Date: Date:	Seconds 25/10/2023 25/10/2023  35 40  → Series1  → 75% value			
Debth (mm) 100 200 250	1.00m to 1.30n	Input by: Checked by:	e for 1mm (Vp) =  GK  PB  Time (mins)	Date: Date:	Seconds 25/10/2023 25/10/2023  35 40  → Series1  → 75% value			



Client:		iations. 2000. A	pproved Documer	nt H and BS6297+	-A1: 2008			
		Dal	las Burston Prope	erty Limited				
Site:		Brixworth Percolation Testing						
Job No:	222	1120	Test No:	TP0	1: Test 3			
	CAL	CULATION O	F SOIL INFILTI	RATION RATE				
Time (mins)	Depth (mm)			Length (m) =	0.30			
0	40	1 1	Size of Trial Pit	Width (m) =	0.30			
0.5	50			Depth (m) =	0.30			
1	70			2 0 μ ()	0.00			
1.5	80		Depth to water	at start of test =	40.0			
2	80		Deptl	n to base of pit =	300.0			
3	90			er at 75% level =				
4	100			er at 50% level =				
5	100		Depth to wat	er at 25% level =	235.0			
10	120							
15	150			area of pit (m²) =				
20	180		Eff area of los	s 75 - 25% (m²) =	0.246			
30	220		Volume outflow	75 - 25% (m³) =	0.012			
35	250							
38	300			From the grapl				
				tp 75 (min) =				
				tp 25 (min) =	32.5			
			on rate, f, (m/s) =	2.99E-05	normal test			
			e for 1mm (Vp) =	Deter	Seconds			
		Input by: Checked by:	GK PB	Date:	25/10/2023 25/10/2023			
		Checked by.	PD	Date.	25/10/2023			
0	5	10 15	Time (mins)	25 30	35 40			
0 +	<del></del>	10 19		<del>                                     </del>				
					Series1			
50	A.				<u>→</u> 75% value			
100					-25% value			
Depth (mm)								
200 =								
1					•			
250								
<sup>-</sup>								
300 1								
300 —			Notes					



	Building Regula		ERCOLATION TE		-A1: 2008		
Client:		Dal	las Burston Prop	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	2221	120	Test No:	TP0	2: Test 1		
	CALO	CULATION O	F SOIL INFILT	RATION RATE			
Time (mins)	Depth (mm)	1		Length (m) =	0.30		
0	30	1	Size of Trial Pit	Width (m) =	0.30		
0.50	80	1		Depth (m) =	0.30		
1	110	· !		1 ( /			
1.5	160		Depth to water	at start of test =	30.0		
2	200			h to base of pit =			
3	260		Depth to wat	ter at 75% level =	97.5		
3.5	300		Depth to wat	ter at 50% level =	165.0		
			Depth to wat	ter at 25% level =	232.5		
			Base	area of pit (m²) =	0.090		
			Eff area of los	s 75 - 25% (m²) =	0.252		
			Volume outflow	$\sqrt{75-25\%}$ (m <sup>3</sup> ) =	0.012		
				,			
		1		From the grap	n:		
				tp 75 (min) =			
				tp 25 (min) =			
		1		. , ,			
			on rate, f, (m/s) =	4.59E-04	normal test		
			ne for 1mm (Vp) =		Seconds		
		Input by:	GK	Date:	25/10/2023		
		Checked by:	PB	Date:	25/10/2023		
50 100 150 200 250	0.5	1 1.5	Time (mins)	2.5 3	3.5 4  Series1  75% value  25% value		
			Notes				
act nit from	1.00m to 1.20m	hal	INULES				
Fest pit from	1.00m to 1.30m	bgl.					



	Buildina Reaul		ERCOLATION TE		-A1: 2008		
Client:			las Burston Prope		7111 2000		
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP0	2: Test 2		
	CAL	CULATION O	F SOIL INFILTI	RATION RATE			
Time (mins)	Depth (mm)			Length (m) =	0.30		
0	10	1 1	Size of Trial Pit	Width (m) =	0.30		
0.5	50	-		Depth (m) =	0.30		
1	100	_		2004.1 (111)	0.00		
1.5	150		Denth to water	at start of test =	10.0		
2	180			to base of pit =			
3	220			er at 75% level =			
4	250			er at 50% level =			
5	270			er at 25% level =			
5.5	300				<del></del>		
			Raso	area of pit (m²) =	0 000		
				s 75 - 25% (m <sup>2</sup> ) =			
				` '			
			volume outflow	75 - 25% (m <sup>3</sup> ) =	0.013		
		-					
		_		From the grap			
		_		tp 75 (min) =			
				tp 25 (min) =	3.3		
		_					
		Soil infiltration	on rate, f, (m/s) =	3.30E-04	normal test		
		Tim	e for 1mm (Vp) =		Seconds		
		Input by:	GK	Date:	25/10/2023		
			PB		25/10/2023		
		Checked by:	PD	Date:	25/10/2023		
		Checked by:		Date:	25/10/2023		
0	1	Checked by:	Time (mins)		<b>25/10/2023</b> 5 6		
0	1		Time (mins)		5 6		
	1		Time (mins)				
	1		Time (mins)		5 6		
50	1		Time (mins)		5 6  → Series1		
50	1		Time (mins)		5 6  → Series1  → 75% value		
50 100 (Em	1		Time (mins)		5 6  → Series1  → 75% value		
Depth (mm) 100	1		Time (mins)		5 6  → Series1  → 75% value		
50 <b>Depth (mm)</b> 150 200 250	1		Time (mins)		5 6  → Series1  → 75% value		
50 100 150 200 200			Time (mins)		5 6  → Series1		
Depth (mm) 150 200 250	1		Time (mins)		5 6  → Series1		



	Building Regu		ERCOLATION TE		-A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP0	2: Test 3		
	CAL	CULATION O	F SOIL INFILTI	RATION RATE			
Time (mins)	Depth (mm)			Length (m) =	0.30		
0	10	7 1	Size of Trial Pit	Width (m) =	0.30		
0.5	60			Depth (m) =	0.30		
1	120	-		1 ( /			
1.5	160		Depth to water	at start of test =	10.0		
2	180			h to base of pit =			
3	220			ter at 75% level =			
4	240			ter at 50% level =			
5	260			ter at 25% level =			
6	300						
			Base	area of pit (m <sup>2</sup> ) =	0.090		
				s 75 - 25% (m <sup>2</sup> ) =			
				v 75 - 25% (m <sup>3</sup> ) =			
			Volume outnow	770 - 2070 (III ) —	0.013		
		-		From the grapl	n:		
		-		tp 75 (min) =			
		_		tp 75 (min) =			
		_  I		tp 23 (IIIII) =	J. <del>4</del>		
		-					
		Soil infiltration	on rate, f, (m/s) =	3.05E-04	normal test		
			e for 1mm (Vp) =	0.00= 0.	Seconds		
		Input by:	GK	Date:	25/10/2023		
		Checked by:	PB	Date:	25/10/2023		
50 100 150 200 250	1	2	Time (mins) 3 4	5	6 7		
300 1							
300 1			Notes				
300 1							



	Building Regula		ERCOLATION TE		-A1: 2008
Client:			las Burston Prop		
Site:		Br	ixworth Percolati	on Testing	
Job No:	2221	120	Test No:	TP0	3: Test 1
	CALC	ULATION O	F SOIL INFILT	RATION RATE	
Time (mins)	Depth (mm)			Length (m) =	0.30
0	0		Size of Trial Pit	Width (m) =	0.30
1	25			Depth (m) =	0.30
2	40	•		1 ( /	
3	50		Depth to water	at start of test =	0.0
4	55		Dept	h to base of pit =	300.0
5	60			ter at 75% level =	
7	70			ter at 50% level =	
9	80		Depth to wat	ter at 25% level =	225.0
12	90				
15	100		Base	area of pit (m²) =	0.090
20	115		Eff area of los	$s 75 - 25\% (m^2) =$	0.270
30	150		Volume outflow	$75 - 25\% (m^3) =$	0.014
40	175				
50	200			From the grap	h:
60	205			tp 75 (min) =	8
90	250			tp 25 (min) =	72
100	265	•			
111	300				
			on rate, f, (m/s) =	1.30E-05	normal test
			e for 1mm (Vp) =		Seconds
		Input by:	RC	Date:	25/10/2023
		Checked by:	PB	Date:	25/10/2023
			Time (mins)		
0 0 <b>•</b>	20	40	60	80 1	00 120
					→ Series1
50					——75% value
100					25% value
Depth (mm)					
200					_
250					
300					
			Notes		
Test pit from	1.00m to 1.30mb	ogl.			



	Building Regul		oproved Docume		-A1: 2008
Client:		Dal	las Burston Prope	erty Limited	
Site:		Br	ixworth Percolation	on Testing	
Job No:	222	1120	Test No:	TP0	4: Test 1
	CAL	CIII ATION O	F SOIL INFILTI	RATION RATE	
e (mins)	Depth (mm)			Length (m) =	0.30
0	30	1	Size of Trial Pit	Width (m) =	0.30
0.5	120			Depth (m) =	0.30
1	170	•			
1.5	190			at start of test =	
2	205			h to base of pit =	
3	225			ter at 75% level =	
5	240			ter at 50% level =	
6	260 300		Depth to wat	ter at 25% level =	232.5
0	300		Desc		0.000
				area of pit $(m^2) = \frac{1}{2}$	
				s 75 - 25% (m <sup>2</sup> ) =	
			volume outflow	175 - 25% (m <sup>3</sup> ) =	0.012
		- I		Erom the gran	
				From the graph tp 75 (min) =	
				tp 75 (min) =	
		<u> </u>		τρ 20 ()	0.0
		Soil infiltration	on rate, f, (m/s) =	2 59F-04	normal test
			e for 1mm (Vp) =		Seconds
		Input by:	RC	Date:	25/10/2023
		Checked by:	РВ	Date:	25/10/2023
			Time (mine)		
0	1	2	Time (mins) 3 4	5	6 7
0 +	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
					Series1
50	$\setminus$				_ <u></u> 75% value
]					75% value
100 🛉					25% value
آ ۽					
ا ا 150 ا					
<b>Depth (mm)</b>					
<u> </u>					
200					
200					_
1	<del></del>				
250		l			
1					
250					



	Building Regu		pproved Docume		A1: 2008
Client:		Dal	las Burston Prope	erty Limited	
Site:		Br	ixworth Percolation	on Testing	
Job No:	222	21120	Test No:	TP0	4: Test 2
	CAI	CIII ATION O	F SOIL INFILTI	RATION RATE	
e (mins)	Depth (mm)	I	i doile iitti ile i	Length (m) =	0.30
0	20	_	Size of Trial Pit	Width (m) =	
0.5	100			Depth (m) =	0.30
1	145				
1.5	170			at start of test =	
2	185			h to base of pit =	
3	205			ter at 75% level =	
4	215			ter at 50% level =	
5 6	225 235		Depth to wat	ter at 25% level =	<b>23</b> 0.0
			_	e 1, , 2,	0.000
7	240			area of pit (m <sup>2</sup> ) =	
8	245			s 75 - 25% (m <sup>2</sup> ) =	
9	250		Volume outflow	/ 75 - 25% (m <sup>3</sup> ) =	0.013
10	255				
11	260	_		From the grap	
12	270	_		tp 75 (min) =	
13	280	_		tp 25 (min) =	5.5
		_			
		Soil infiltration	on rate, f, (m/s) =	1 60F-04	normal test
			e for 1mm (Vp) =	1.002 04	Seconds
		Input by:	RC	Date:	25/10/2023
		Checked by:	РВ	Date:	25/10/2023
			Time (mins)		
0 0 +	2	4	6 8	10	12 14
U T					→ Series1
50	\				
50					<u></u> 4 75% value
400					
100					-25% value
<b>Depth (mm)</b>	7				
150 H					
Del					
200					
•					_
250				-	
1					
]					
300					
300			Notes		



	Building Regula	ations: 2000: A	ERCOLATION TE	nt H and BS6297-	-A1: 2008			
Client:		Dal	as Burston Prope	erty Limited				
Site:		Brixworth Percolation Testing						
Job No:	2221	120	Test No:	TP0	4: Test 3			
	CALO	CULATION O	F SOIL INFILTE	RATION RATE				
ime (mins)				Length (m) =	0.30			
0	50		Size of Trial Pit	Width (m) =	0.30			
0.5	120	1		Depth (m) =	0.30			
1	165	· '		1 ( /				
2	190		Depth to water	at start of test =	50.0			
3	205		Depti	n to base of pit =	300.0			
4	215			er at 75% level =				
5	220		Depth to wat	er at 50% level =	175.0			
6	227.5		Depth to wat	er at 25% level =	237.5			
7	230							
8	235		Base	area of pit (m²) =	0.090			
10	240			s 75 - 25% (m <sup>2</sup> ) =				
13	250			75 - 25% (m <sup>3</sup> ) =				
15	255			10 2070 ( )	0.011			
20	260	1 1		From the grap	h·			
		1		tp 75 (min) =				
		1		tp 25 (min) =				
		1 '						
		Soil infiltration	on rate, f, (m/s) =	9.19E-05	normal test			
		Tim	e for 1mm (Vp) =		Seconds			
		Input by:	RC	Date:	25/10/2023			
		Checked by:	PB	Date:	25/10/2023			
C	) .	5	<b>Time (mins)</b> 10 15	20	25			
0 +	,	, 	10 13	20				
1					→ Series1			
50								
50					─ <del>▲</del> 75% value			
- - -								
100					——75% value ——25% value			
100								
100								
Depth (mm)								
100								
Depth (mm) 150 200								
Depth (mm)								
Depth (mm) 150 -								
Depth (mm) 150 200								
100 <b>Cepth (mm)</b> 150 200			Notes					



	Building Regul		oproved Docume		A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	2221	1120	Test No:	TP0	5: Test 1		
	CAL	CUI ATION O	F SOIL INFILTI	RATION RATE			
ne (mins)	Depth (mm)			Length (m) =	0.30		
0	10	1	Size of Trial Pit	Width (m) =	0.25		
0.50	55			Depth (m) =	0.30		
1.0	90	-		2 op ()	0.00		
1.5	110		Depth to water	at start of test =	10.0		
2	125			h to base of pit =			
3	140			ter at 75% level =			
4	150		Depth to wat	ter at 50% level =	155.0		
5	160		Depth to wat	ter at 25% level =	227.5		
6	165						
7	175		Base	area of pit (m²) =	0.075		
8	180			s 75 - 25% (m <sup>2</sup> ) =			
10	190		Volume outflow	75 - 25% (m <sup>3</sup> ) =	0.011		
15	215			,			
20	230			From the grap	h:		
30	250			tp 75 (min) =			
40	265			tp 25 (min) =	19		
50	275	'					
		Soil infiltration	on rate, f, (m/s) =	4 27E 05	normal test		
			e for 1mm (Vp) =	4.27 L-03	Seconds		
		Input by:	RC	Date:	25/10/2023		
		Checked by:	PB	Date:	25/10/2023		
			Time (mins)				
0 0 +	10	20	30	40	50 60		
					→ Series1		
50 <del>-</del>							
30					——75% value		
100	•				<u> </u>		
	•				<b>─</b> 25% value		
_							
ا المال ا							
# 150			1	1			
Dept	The state of the s						
150 - 200 - 200 -	****						
200					•		
					•		
200					•		
200					•		
250			Notes				



	Building Regul		ERCOLATION TE		-A1: 2008		
Client:		Dall	as Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP0	5: Test 2		
	CAL	CULATION O	F SOIL INFILTI	RATION RATE			
Γime (mins)	Depth (mm)			Length (m) =	0.30		
0	30	1 1	Size of Trial Pit	Width (m) =	0.30		
0.50	65	1 1		Depth (m) =	0.30		
1.0	95	1 '		• • • • • • • • • • • • • • • • • • • •			
1.5	115		Depth to water	at start of test =	30.0		
2	125			n to base of pit =			
3	140			er at 75% level =			
4	155			er at 50% level =			
5	160		Depth to wat	er at 25% level =	232.5		
6	170						
7	175			area of pit (m²) =			
9	180			s 75 - 25% (m²) =			
10	185		Volume outflow	75 - 25% (m³) =	0.012		
18	212.5	┦ .					
30	235			From the grap			
42	250	4 1		tp 75 (min) =			
		վ Լ		tp 25 (min) =	28.5		
		-					
		Soil infiltratio	n rate, f, (m/s) =	2.93E-05	normal test		
			e for 1mm (Vp) =		Seconds		
		Input by:	RC	Date:	25/10/2023		
			20				
		Checked by:	PB	Date:	25/10/2023		
0	5		Time (mins) 20 25	30 35	<b>25/10/2023</b> 40 45		
0	5	Checked by:	Time (mins)				
50	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		
50	5	Checked by:	Time (mins)		40 45  Series1		
50	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		
50	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		
50 100 (Wm	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		
Depth (mm) 100 150	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		
Depth (mm) 100 150	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		
50 <b>Depth (mm)</b> 150 200 250	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		
50 100 200 200	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		
50 <b>Depth (mm)</b> 150 200 250	5	Checked by:	Time (mins)		40 45  → Series1  → 75% value		



Client:	Daniality Regu		pproved Documer las Burston Prope		A1. 2000		
Site:			ixworth Percolation				
Job No:	222	2221120 Test No: TP05: Test 3					
OUD NO.	222		1031110.	170	J. 1631 J		
	CAL	CULATION O	F SOIL INFILTI	RATION RATE			
e (mins)	Depth (mm)			Length (m) =	0.30		
0	30		Size of Trial Pit	Width (m) =			
0.50	70			Depth (m) =	0.30		
1.0	100		Double to water		20.0		
1.5	115 125			at start of test =			
3	140			er at 75% level =			
4	150			er at 50% level =			
5	160			er at 25% level =			
6	165						
7	170			area of pit (m²) =			
9	175			s 75 - 25% (m²) =			
10	180		Volume outflow	75 - 25% (m³) =	0.012		
12	185	╛.					
20	205	_		From the grap			
30 40	225 235	4		tp 75 (min) = tp 25 (min) =			
		Soil infiltration	on rate, f, (m/s) =	2 23F-05	normal test		
			ne for 1mm (Vp) =	2.202 00	Seconds		
		Input by:	RC	Date:	22/09/2023		
		Checked by:	PB	Date:	27/09/2023		
50	5	10 15	Time (mins) 20 25	30 35	40 45  → Series1  → 75% value		
Depth (mm) 150 200					—— 25% value		
250							
	I I		<u> </u>	<u> </u>			
300 1			Notes				



	Building Regu		ERCOLATION TE		-A1: 2008			
Client:		Dal	las Burston Prope	erty Limited				
Site:		Brixworth Percolation Testing						
Job No:	222	1120	Test No:	TP0	6: Test 1			
	CAL	CULATION O	F SOIL INFILTI	RATION RATE				
ime (mins)	Depth (mm)			Length (m) =	0.50			
0	70	1	Size of Trial Pit	Width (m) =	0.40			
0.5	260	1		Depth (m) =	0.30			
1	290	-		2 °P ()	0.00			
1.5	300		Depth to water	at start of test =	70.0			
				n to base of pit =				
				er at 75% level =				
				er at 50% level =				
				er at 25% level =				
			Base	area of pit (m²) =	0.200			
				s 75 - 25% (m <sup>2</sup> ) =				
				$75 - 25\% (m^3) =$				
			rolanio catnon	10 20% (III )	0.020			
				From the grap	h:			
				tp 75 (min) =				
				tp 75 (min) =				
		₫ '		tp 20 (IIIII) –	0.40			
		Soil infiltration	on rate, f, (m/s) =	3.14E-03	normal test			
			e for 1mm (Vp) =		Seconds			
		1 111						
		Input by:	RC	Date:	26/10/2023			
				Date: Date:	26/10/2023 30/10/2023			
	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	30/10/2023			
0 0 +	0.2	Input by:	RC PB Time (mins)		30/10/2023 1.4 1.6			
	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	30/10/2023			
0 +	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	30/10/2023  1.4 1.6 Series1			
	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	30/10/2023 1.4 1.6			
50	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
50	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	30/10/2023  1.4 1.6 Series1			
50	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
50	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
0 50 100 150 150	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
50	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
50 100 (mm) 150 200	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
0 50 100 150 150 150 150 150 150 150 150	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
50 100 (mm) 150 200	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
50 100 (mm) 150 200	0.2	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			
50 Depth (mm) 150 200 250	0.2	Input by: Checked by:	RC PB  Time (mins) 0.8	Date:	1.4 1.6  → Series1  → 75% value			
50 100 (mm) 150 200 250 300	1.00m to 1.30m	Input by: Checked by:	RC PB Time (mins)	Date:	1.4 1.6  → Series1  → 75% value			



	Building Regula		ERCOLATION TE		+A1: 2008			
Client:	gg		las Burston Prop					
Site:		Brixworth Percolation Testing						
Job No:	2221	120	Test No:	TP0	6: Test 2			
	CALC	CHATION O	F SOIL INFILT	RATION RATE				
Time (mins)	Depth (mm)			Length (m) =	0.50			
0	100		Size of Trial Pit	Width (m) =	0.40			
0.5	250			Depth (m) =	0.30			
1	280	<b>'</b>		()	0.00			
2	300		Depth to water	at start of test =	100.0			
				h to base of pit =				
				ter at 75% level =				
				ter at 50% level =				
			Depth to wa	ter at 25% level =	250.0			
				area of pit (m <sup>2</sup> ) =				
				s 75 - 25% (m²) =				
			Volume outflov	v 75 - 25% (m <sup>3</sup> ) =	0.020			
				From the grap				
				tp 75 (min) =				
				tp 25 (min) =	0.5			
			on rate, f, (m/s) =	2.92E-03	normal test			
			e for 1mm (Vp) =		Seconds			
		Input by:	DS	Date:	26/10/2023			
		Checked by:	РВ	Date:	30/10/2023			
			Time (mins)					
0	0.	5	1 1.	5 2	2.5			
0 +					→ Series1			
50 <del>-</del>					— <u></u> 75% value			
100					— <b>■</b> —25% value			
Depth (mm)								
				T				
200								
250								
300 1								
			Notes					
Test pit from	1.00m to 1.30ml	ogl.						
1								



	Building Regula		ERCOLATION TE		+A1: 2008			
Client:	g g		las Burston Prop					
Site:		Brixworth Percolation Testing						
Job No:	2221	120	Test No:	TP0	6: Test 3			
	CALC	CHATION O	F SOIL INFILT	RATION RATE				
Time (mins)	Depth (mm)	I I	I COIL IIVI ILII	Length (m) =	0.50			
0	100		Size of Trial Pit	Width (m) =	0.40			
0.5	250			Depth (m) =	0.30			
1	280	l		Dopar (III)	0.00			
2	300		Depth to water	r at start of test =	100.0			
			Dept	h to base of pit =	300.0			
			Depth to wat	ter at 75% level =	150.0			
				ter at 50% level =				
			Depth to wa	ter at 25% level =	250.0			
				2				
				area of pit (m <sup>2</sup> ) =				
				s 75 - 25% (m²) =				
			Volume outflow	v 75 - 25% (m³) =	0.020			
				From the grap				
				tp 75 (min) =				
				tp 25 (min) =	0.5			
		Soil infiltration	on rate, f, (m/s) =	2.92E-03	normal test			
			e for 1mm (Vp) =		Seconds			
		Input by:	DS	Date:	26/10/2023			
		Checked by:	РВ	Date:	30/10/2023			
			Time (mins)					
0	0.9	5	1 1.9	5 2	2.5			
0 +					→ Series1			
50 <del>-</del>					——75% value			
100					— <b>—</b> 25% value			
Depth (mm)								
				Ţ				
200 -								
250								
300								
			Markan					
			Notes					
Test pit from	1.00m to 1.30mk	ogl.	Notes					



	Building Regu		ERCOLATION TE pproved Docume		-A1: 2008			
Client:		Dal	las Burston Prope	erty Limited				
Site:		Brixworth Percolation Testing						
Job No:	222	21120	Test No:	TP0	7: Test 1			
	CAI	CULATION O	F SOIL INFILTI	RATION RATE				
ime (mins)	Depth (mm)			Length (m) =	0.30			
0	70	7	Size of Trial Pit	Width (m) =	0.30			
0.5	120			Depth (m) =	0.30			
1	150			()				
2	180		Depth to water	at start of test =	70.0			
3	200		Depti	n to base of pit =	300.0			
4	220		Depth to wat	er at 75% level =	127.5			
5	230		Depth to wat	er at 50% level =	185.0			
10	260		Depth to wat	er at 25% level =	242.5			
15	300							
			Base	area of pit (m²) =	0.090			
				s 75 - 25% (m <sup>2</sup> ) =				
			Volume outflow	75 - 25% (m <sup>3</sup> ) =	0.010			
				· · ·				
				From the grap	h:			
				tp 75 (min) =				
				tp 25 (min) =				
			on rate, f, (m/s) =	1.26E-04	normal test			
			ne for 1mm (Vp) =		Seconds			
		Input by:	DS	Date:	26/10/2023			
		Checked by:	PB	Date:	30/10/2023			
			,					
			Time (mins)					
0	2	4 6		10 12	14 16			
0 +	2	4 6		10 12	14 16 ————————————————————————————————————			
	2	4 6		10 12	Series1			
0 +	2	4 6		10 12				
50	2	4 6		10 12	Series1			
50	2	4 6		10 12	→ Series1  → 75% value			
50	2	4 6		10 12	→ Series1  → 75% value			
50	2	4 6		10 12	→ Series1  → 75% value			
0 for the control of	2	4 6		10 12	→ Series1  → 75% value			
50	2	4 6		10 12	→ Series1  → 75% value			
50 100 150 200	2	4 6		10 12	→ Series1  → 75% value			
Oepth (mm) 100 150	2	4 6		10 12	→ Series1  → 75% value			
Depth (mm) 100 200 250	2	4 6		10 12	→ Series1  → 75% value			
50 100 150 200	2	4 6		10 12	→ Series1  → 75% value			
Depth (mm) 100 100 200 250	2	4 6		10 12	→ Series1  → 75% value			



	Building Regu		PERCOLATION TE		-A1: 2008			
Client:		Dal	las Burston Prope	erty Limited				
Site:		Brixworth Percolation Testing						
Job No:	222	1120	Test No:	TP0	7: Test 2			
	CAL	CULATION O	F SOIL INFILTI	RATION RATE				
Γime (mins)	Depth (mm)			Length (m) =	0.30			
0	0	7	Size of Trial Pit	Width (m) =	0.30			
0.5	10	1		Depth (m) =	0.30			
1	100	1		1 ( /				
2	150		Depth to water	at start of test =	0.0			
3	180			n to base of pit =				
4	210			er at 75% level =				
5	220			er at 50% level =				
10	260			er at 25% level =				
15	300		·					
			Base	area of pit (m²) =	0.090			
				s 75 - 25% (m <sup>2</sup> ) =				
				75 - 25% (m <sup>3</sup> ) =				
			Volume outnow	70-20/0 (111 ) -	0.014			
		-		From the grapl	ı·			
		-		tp 75 (min) =				
		4		tp 75 (min) =				
		_		tp 23 (IIIII) =	0.0			
		Soil infiltration	on rate, f, (m/s) =	1 74F-04	normal test			
			ne for 1mm (Vp) =	1.7 46-04	Seconds			
			DS	Date:	26/10/2023			
		Input by:						
		Input by: Checked by:	PB	Date:	30/10/2023			
50 100	2		PB Time (mins)					
50	2	Checked by:	PB Time (mins)	Date:	30/10/2023  14 16  Series1  75% value			
Depth (mm) 100 150 200	2	Checked by:	PB Time (mins)	Date:	30/10/2023  14 16  Series1  75% value			



	Duilding Dogul		ERCOLATION TE		. 44. 2000
Client:	Building Regul		oproved Documer las Burston Prope		-A1: 2008
Site:		Br	ixworth Percolation	on Testing	
Job No:	2221	120	7: Test 3		
	CAL	CHI ATION O	F SOIL INFILTI	DATION DATE	
ime (mins)	Depth (mm)	I	I SOIL IN ILII	Length (m) =	0.30
0	60	1	Size of Trial Pit	Width (m) =	0.30
0.5	110	1		Depth (m) =	0.30
1	150			Bopai (III)	0.00
2	180		Depth to water	at start of test =	60.0
3	190			n to base of pit =	
4	200			er at 75% level =	
5	210			er at 50% level =	
10	240		Depth to wat	er at 25% level =	240.0
15	260				
20	280			area of pit (m²) =	
25	300		Eff area of los	s 75 - 25% (m²) =	0.234
			Volume outflow	75 - 25% (m³) =	0.011
		· .		From the area	
		4		From the grap	
		4		tp 75 (min) = tp 25 (min) =	
		<u> </u>		tp 25 (mm) =	10
		Soil infiltration	on rate, f, (m/s) =	8.18 <b>F-</b> 05	normal test
			e for 1mm (Vp) =		Seconds
		Input by:	DS	Date:	26/10/2023
			חם	Deter	30/10/2023
		Checked by:	PB	Date:	30/10/2023
		Checked by:		Date:	30/10/2023
0	5	Checked by:	Time (mins)		25 30
0	5	-	Time (mins)		25 30
	5	-	Time (mins)		25 30 → Series1
50	5	-	Time (mins)		25 30  → Series1  → 75% value
50	5	-	Time (mins)		25 30 → Series1
50	5	-	Time (mins)		25 30  → Series1  → 75% value
0 50 100 150 150 150 150 150 150 150 150	5	-	Time (mins)		25 30  → Series1  → 75% value
50 100 150 200	5	-	Time (mins)		25 30  → Series1  → 75% value
0 50 100 150 150 150 150 150 150 150 150	5	-	Time (mins)		25 30  → Series1  → 75% value
50 100 150 200	5	-	Time (mins)		25 30  → Series1  → 75% value
50 Too the fam (mm) 150 200 250	5	-	Time (mins)		25 30  → Series1  → 75% value
50 100 150 200 250 300	1.00m to 1.30m	10	Time (mins)		25 30  → Series1  → 75% value



	Building Regula		ERCOLATION TE		-A1: 2008
Client:			las Burston Prop		7 2000
Site:		Br	ixworth Percolati	on Testing	
Job No:	2221	120	Test No:	TP0	8: Test 1
	CALC		F SOIL INFILT	DATION DATE	
T: ( : )		I	1 301L INI ILTI		0.00
Time (mins)	Depth (mm) 40		Size of Trial Pit	Length (m) =	0.30 0.30
0 0.5	220	-	Size of Trial Lit	Width (m) = Depth (m) =	0.30
1	240	<b>-</b>		Deptii (iii) =	0.50
2	260		Denth to water	at start of test =	40 0
3	270			h to base of pit =	
4	280			ter at 75% level =	
5	300			ter at 50% level =	
			Depth to wat	ter at 25% level =	235.0
			Base	area of pit (m²) =	0.090
			Eff area of los	s 75 - 25% (m <sup>2</sup> ) =	0.246
				75 - 25% (m <sup>3</sup> ) =	
				,	
		1		From the grap	h:
		1		tp 75 (min) =	
		1		tp 25 (min) =	
		· '			
		1			
		Soil infiltration	on rate. f. (m/s) =	1.59E-03	normal test
			on rate, f, (m/s) = ne for 1mm (Vp) =	1.59E-03	normal test Seconds
			on rate, f, (m/s) = ne for 1mm (Vp) = DS	1.59E-03 Date:	normal test Seconds 26/10/2023
		Tim	e for 1mm (Vp) =		Seconds
		Tim Input by:	ne for 1mm (Vp) = DS	Date:	Seconds 26/10/2023
0	1	Tim Input by:	pe for 1mm (Vp) = DS PB	Date: Date:	Seconds 26/10/2023
0 1	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023
	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023 5 6
50	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
50	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6  → Series1
50	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
50	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
Depth (mm) 100	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
50	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
Depth (mm) 100	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
0	1	Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
Depth (mm) 100 100 200		Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
0	1	Tim Input by: Checked by:	re for 1mm (Vp) =  DS  PB  Time (mins)  3	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
Depth (mm) 100 200 250		Tim Input by: Checked by:	pe for 1mm (Vp) =  DS  PB  Time (mins)	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6
Depth (mm) 100 200 250	1.00m to 1.30m	Tim Input by: Checked by:	re for 1mm (Vp) =  DS  PB  Time (mins)  3	Date: Date:	Seconds 26/10/2023 30/10/2023  5 6



	Building Regul		ERCOLATION TE oproved Docume		-A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP0	8: Test 2		
	CAL	CULATION O	F SOIL INFILT	RATION RATE			
ime (mins)	Depth (mm)			Length (m) =	0.30		
0	150	1 1	Size of Trial Pit	Width (m) =	0.30		
0.5	200	1		Depth (m) =	0.30		
1	240	<b>†</b>		1 ( /			
2	260		Depth to water	at start of test =	150.0		
3	270		Dept	h to base of pit =	300.0		
4	280			ter at 75% level =			
5	290			ter at 50% level =			
6	300		Depth to wat	ter at 25% level =	262.5		
				area of pit (m <sup>2</sup> ) =			
				s 75 - 25% (m²) =			
			Volume outflow	v 75 - 25% (m³) =	0.007		
				From the grap			
				tp 75 (min) =			
				tp 25 (min) =	2.2		
		-					
			on rate, f, (m/s) =	3.47E-04	normal test		
			e for 1mm (Vp) =		Seconds		
		Input by:	DS	Date:	26/10/2023		
		Checked by:	РВ	Date:	30/10/2023		
			Time (mins)				
0 0 +	1	2	3 4	5	6 7		
- - -					Series1		
50 <del>]</del>					→ 75% value		
100					25% value		
Depth (mm)							
200							
250					-		
250							
250							
1			Notes				



	Duilding Board		ERCOLATION TE	ST nt H and BS6297+	A4: 2009
Client:	Sullaing Regul		las Burston Prop		FA1: 2006
Site:		Br	ixworth Percolati	on Testing	
Job No:	222	1120	Test No:	TP0	8: Test 3
	CAL	CUI ATION O	F SOIL INFILT	RATION RATE	
me (mins)	Depth (mm)	<u> </u>		Length (m) =	0.30
0	100	1 1	Size of Trial Pit	Width (m) =	0.30
0.5	200	1		Depth (m) =	0.30
1	230	-  '		1 ( /	
2	240		Depth to water	r at start of test =	100.0
3	250			h to base of pit =	
4	260			ter at 75% level =	
5	270			ter at 50% level =	
10	290		Depth to wa	ter at 25% level =	250.0
12	300				
				area of pit (m <sup>2</sup> ) =	
			Eff area of los	s 75 - 25% (m²) =	0.210
			Volume outflow	$v 75 - 25\% (m^3) =$	0.009
				From the grap	
				tp 75 (min) =	
				tp 25 (min) =	3
		4			
		Soil infiltration	on rate, f, (m/s) =	2.60E-04	normal test
			ne for 1mm (Vp) =		Seconds
		Input by:	DS	Date:	26/10/2023
		Checked by:	PB	Date:	30/10/2023
			Time (mins)		
0	2	4	6 8	10	12 14
0 +					Series1
]					Concor
50					_ <u>←</u> 75% value
100					25% value
<u>€</u> }					
150					
Dept					
200					
250					•
300					
			Notes		
	1.00m to 1.30m	hal	Notes		



	Building Regu		ERCOLATION TE		-A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP0	9: Test 1		
	CAL	CULATION O	F SOIL INFILTI	RATION RATE			
ime (mins)	Depth (mm)			Length (m) =	0.30		
0	70	7	Size of Trial Pit	Width (m) =	0.30		
0.5	170			Depth (m) =	0.30		
1	235	1		()			
1.5	270		Depth to water	at start of test =	70.0		
2	280			h to base of pit =			
3	285			er at 75% level =			
3.5	300		Depth to wat	er at 50% level =	185.0		
			Depth to wat	er at 25% level =	242.5		
			Base	area of pit (m²) =	0.090		
				s 75 - 25% (m <sup>2</sup> ) =			
			Volume outflow	75 - 25% (m <sup>3</sup> ) =	0.010		
				,			
				From the grap	h:		
			tp 75 (min) = 0.3				
			tp /5 (min) = 0.3 tp 25 (min) = 1.1				
				1, ,			
		Soil infiltration	on rate, f, (m/s) =	9.46E-04	normal test		
		Tim	ne for 1mm (Vp) =		Seconds		
		Input by:	DS	Date:	26/10/2023		
		Checked by:	PB	Date:	30/10/2023		
0	0.5		Time (mins)				
0 +	0.5	Checked by:	Time (mins)	2.5 3	3.5 4		
	0.5		Time (mins)				
50	0.5		Time (mins)		3.5 4		
50	0.5		Time (mins)		3.5 4 ————————————————————————————————————		
50	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
50	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
50	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
50 100	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
Depth (mm) 100 150	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
Depth (mm) 100 200	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
Depth (mm) 100 150	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
Depth (mm) 100 200	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
Depth (mm) 100 200 250	0.5		Time (mins)		3.5 4  → Series1  → 75% value		
50   100   150   200   250	0.5		Time (mins)		3.5 4  → Series1  → 75% value		



	Building Regul		ERCOLATION TE pproved Docume		+A1: 2008		
Client:		Dallas Burston Property Limited					
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP0	9: Test 2		
	CAL	CULATION O	F SOIL INFILTI	RATION RATE			
ime (mins)	Depth (mm)			Length (m) =	0.30		
0	50	1 1	Size of Trial Pit	Width (m) =	0.30		
0.33	90	1		Depth (m) =	0.30		
0.5	115	┪ '		1 ( )			
0.75	140		Depth to water	at start of test =	50.0		
1	165		Depti	n to base of pit =	300.0		
1.5	205			er at 75% level =			
2	235		Depth to wat	er at 50% level =	175.0		
2.5	270		Depth to wat	er at 25% level =	237.5		
3	280						
4	285		Base	area of pit (m²) =	0.090		
5	287.5			s 75 - 25% (m²) =			
6	290		Volume outflow	75 - 25% (m <sup>3</sup> ) =	0.011		
7	292.5			,			
8	295	From the graph:					
		tp 75 (min) = 0.4					
		1		tp 25 (min) =			
		1 '		• • • • • • • • • • • • • • • • • • • •			
			on rate, f, (m/s) =	4.88E-04	normal test		
			e for 1mm (Vp) =		Seconds		
			DS	Date:	26/10/2023		
		Input by:					
		Input by: Checked by:	РВ	Date:	30/10/2023		
			PB Time (mins)				
0	1						
0	1	Checked by:	Time (mins)	Date:	30/10/2023		
	1	Checked by:	Time (mins)	Date:	<b>30/10/2023</b> 8 9		
50	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
50	1	Checked by:	Time (mins)	Date:	8 9  → Series1		
50	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
50	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
Depth (mm) 100 150	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
50	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
Depth (mm) 100 150 200	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
Depth (mm) 100 150	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
50 100 150 200 250	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
50 100 150 200	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		
50 100 150 200 250	1	Checked by:	Time (mins)	Date:	8 9  → Series1  → 75% value		



	Building Regul		ERCOLATION TE pproved Docume	nt H and BS6297+	-A1: 2008	
Client:		Dallas Burston Property Limited				
Site:		Brixworth Percolation Testing				
Job No:	222	1120	Test No:	TP0	9: Test 3	
	CAL	CULATION O	F SOIL INFILT	RATION RATE		
me (mins)	Depth (mm)			Length (m) =	0.30	
0	30	1 1	Size of Trial Pit	Width (m) =	0.30	
0.25	50	1		Depth (m) =	0.30	
0.5	60	┪ '		1 ( /		
0.75	70		Depth to water	r at start of test =	30.0	
1	80		Dept	h to base of pit =	300.0	
1.5	100			ter at 75% level =		
2	110		Depth to wat	ter at 50% level =	165.0	
3	130		Depth to wat	ter at 25% level =	232.5	
4	150					
5	160		Base	area of pit (m <sup>2</sup> ) =	0.090	
6	170		Eff area of los	s 75 - 25% (m²) =	0.252	
7	180		Volume outflow	v 75 - 25% (m <sup>3</sup> ) =	0.012	
8	190			· · ·		
10	205	1 1		From the grap	h:	
15	220	1		tp 75 (min) =		
26	240	1		tp 25 (min) =	22	
39	255	1 '				
61	270					
			on rate, f, (m/s) =	3.92E-05	normal test	
			e for 1mm (Vp) =		Seconds	
		Input by:	DS	Date:	26/10/2023	
		Checked by:	PB	Date:	30/10/2023	
			<b>T</b> ime (mine)			
0	10	20	<b>Time (mins)</b> 30 40	50	60 70	
0 +			<del></del>			
]					Series1	
50					_ <u>←</u> 75% value	
]					75% value	
100	I				25% value	
					2570 Value	
Depth (mm)						
apt.						
200 -	<b>*</b>					
200		<b>—</b>				
		-			-	
250						
250						
]						
250 300						
]			Notes			



	Building Regu		ERCOLATION TE		-A1: 2008		
Client:		Dallas Burston Property Limited					
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP1	0: Test 1		
	CAL	CULATION O	F SOIL INFILTE	RATION RATE			
ime (mins)	Depth (mm)			Length (m) =	0.30		
0	70	7	Size of Trial Pit	Width (m) =	0.30		
0.25	145			Depth (m) =	0.30		
0.5	185	┪ '		1 ( /			
0.75	210		Depth to water	at start of test =	70.0		
1	230		Depti	n to base of pit =	300.0		
1.25	250			er at 75% level =			
1.5	260		Depth to wat	er at 50% level =	185.0		
1.75	270		Depth to wat	er at 25% level =	242.5		
2	275						
2.5	285			area of pit (m²) =			
3	295		Eff area of los	s 75 - 25% (m²) =	0.228		
3.25	300		Volume outflow	$75 - 25\% (m^3) =$	0.010		
		_		From the grap	า:		
		1		tp 75 (min) =			
		1	tp /5 (min) = 0.2 tp 25 (min) = 1.2				
		_		<b>(F)</b> 20 ()			
		Soil infiltration	on rate, f, (m/s) =	7.57E-04	normal test		
		Tim	e for 1mm (Vp) =		Seconds		
		Input by:	DS	Date:	26/10/2023		
		Checked by:	PB	Date:	30/10/2023		
			Time (mins)				
C	0.5	1	1.5 2	2.5	3 3.5		
0 ‡		<del>''''</del>	<del>'   ' ' '     '</del>		<del>-    </del>		
+					Series1		
50							
-					→ 75% value		
100							
100					→ 75% value		
Depth (mm) 1200					→ 75% value		
Depth (mm) 150 200					→ 75% value		
Depth (mm) 1200					→ 75% value		
Depth (mm) 150 200					→ 75% value		
Depth (mm) 150 200 250			Notes		→ 75% value		



	Building Regul		ERCOLATION TE		-Δ1· 2008	
Client:	Dunaning Regun	Dallas Burston Property Limited				
Site:		Br	ixworth Percolation	on Testing		
Job No:	2221	120	Test No:	TP1	0: Test 2	
	CAL	CUI ATION O	F SOIL INFILTI	RATION RATE		
ime (mins)	Depth (mm)			Length (m) =	0.30	
0	100	1	Size of Trial Pit	Width (m) =	0.30	
0.25	155	1		Depth (m) =	0.30	
0.5	190	'				
0.75	210			at start of test =		
1	230			n to base of pit =		
1.25	245			er at 75% level =		
1.5 1.75	252.5			er at 50% level =		
2	260 270		Depth to wat	er at 25% level =	ZUU.U	
			D	ana af wit ( 2)	0.000	
2.25	275			area of pit (m <sup>2</sup> ) =		
2.5	280			s 75 - 25% (m <sup>2</sup> ) =		
3	285		Volume outflow	75 - 25% (m <sup>3</sup> ) =	0.009	
3.5	290					
4	295			From the grap		
5	295	tp 75 (min) = 0.2				
		<u> </u>		tp 25 (min) =	1.5	
				- 40- 04		
			on rate, f, (m/s) =	5.49E-04	normal test	
		Input by:	e for 1mm (Vp) = DS	Date:	Seconds 26/10/2023	
		Checked by:	PB	Date:	30/10/2023	
			Time (mins)	·		
o † o	1	2	Time (mins)	4	5 6	
0 +	1	2		4	→ Series1	
	1	2		4	+ + + + + + + + + + + + + + + + + + + +	
50	1	2		4	→ Series1	
50	1	2		4	→ Series1	
Depth (mm) 100	1	2		4	→ Series1	
50	1	2		4	→ Series1	
Depth (mm) 100	1	2		4	→ Series1	
Depth (mm) 100 200	1	2		4	→ Series1	
Depth (mm) 100 200 250	1	2	3	4	→ Series1	
50 100 150 250 250 300	1.00m to 1.30m			4	→ Series1	



	Building Regula		ERCOLATION TE		-A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	2221	120	Test No:	TP1	0: Test 3		
	CALO	CULATION O	F SOIL INFILTI	RATION RATE			
ime (mins)	Depth (mm)	1		Length (m) =	0.30		
0	80	1	Size of Trial Pit	Width (m) =	0.30		
0.25	135	1		Depth (m) =	0.30		
0.5	170	1 '		1 ( /			
0.75	200		Depth to water	at start of test =	80.0		
1	210			n to base of pit =			
1.25	230			er at 75% level =			
1.5	240		Depth to wat	er at 50% level =	190.0		
1.75	250		Depth to wat	er at 25% level =	245.0		
2	255						
2.25	262.5		Base	area of pit (m²) =	0.090		
2.5	270			s 75 - 25% (m <sup>2</sup> ) =			
3	280		Volume outflow	$75 - 25\% (m^3) =$	0.010		
3.5	282.5			,			
4	285	1		From the grap	h:		
4.5	290	1		tp 75 (min) =			
5	292.5	1		tp 25 (min) =			
5.5	295	1 '		-1 ( )	-		
6	297.5	1					
7	297.5	Soil infiltration	on rate, f, (m/s) =	5.51E-04	normal test		
		Tim	e for 1mm (Vp) =		Seconds		
		Input by:	DS	Date:	26/10/2023		
		Checked by:	РВ	Date:	30/10/2023		
			Time (mins)				
0							
U	1	2 3	4	5 6	7 8		
0 1	' 1	2 3	4	5 6			
	1	2 3	4	5 6	7 8 Series1		
	, 1	2 3	4	5 6			
0 +		2 3	4	5 6	→ Series1  → 75% value		
50		2 3	4	5 6	Series1		
50		2 3	4	5 6	→ Series1  → 75% value		
50		2 3	4	5 6	→ Series1  → 75% value		
0 50 100 150 150		2 3	4	5 6	→ Series1  → 75% value		
50		2 3	4	5 6	→ Series1  → 75% value		
Debth (mm) 100 200		2 3	4	5 6	→ Series1  → 75% value		
0 50 100 150 150		2 3	4	5 6	→ Series1  → 75% value		
50 Too 100 (mm) 150 200 250		2 3		5 6	→ Series1  → 75% value		
50 100 (mm) 150 200		2 3		5 6	→ Series1  → 75% value		
50 Depth (mm) 150 200 250		2 3	Notes	5 6	→ Series1  → 75% value		



	Building Regula		ERCOLATION TE		-A1: 2008		
Client:			las Burston Prope				
Site:		Brixworth Percolation Testing					
Job No:	2221	120	Test No:	TP1	1: Test 1		
	CALC	CIII ATION O	F SOIL INFILT	RATION RATE			
Time (mins)	Depth (mm)	I	T GOIL HATTET	Length (m) =	0.50		
0	150	1	Size of Trial Pit	Width (m) =	0.40		
0.5	300	1		Depth (m) =	0.30		
		1 '		()	0.00		
			Depth to water	at start of test =	150.0		
			Dept	h to base of pit =	300.0		
				ter at 75% level =			
				ter at 50% level =			
			Depth to wat	ter at 25% level =	262.5		
				9.	2.000		
				area of pit (m <sup>2</sup> ) =			
				s 75 - 25% (m <sup>2</sup> ) =			
			Volume outflow	/ 75 - 25% (m <sup>3</sup> ) =	0.015		
		1		From the grap			
				tp 75 (min) = tp 25 (min) =			
				tp 25 (min) =	0.38		
		1					
		Soil infiltration	on rate, f, (m/s) =	2.87E-03	normal test		
			ne for 1mm (Vp) =		Seconds		
		Input by:	DS	Date:	26/10/2023		
			PB	Date:	30/10/2023		
		Checked by:	1.6	Date.	30/10/2023		
		Checked by:		Date.	30/10/2023		
	0.4		Time (mins)				
0 0 +	0.1	Checked by:			0.6		
0 +	0.1		Time (mins)				
	0.1		Time (mins)		0.6		
50	0.1		Time (mins)		0.5 0.6 → Series1		
50	0.1		Time (mins)		0.5 0.6  → Series1  → 75% value		
Depth (mm) 100	0.1		Time (mins)		0.5 0.6  → Series1  → 75% value		
50	0.1		Time (mins)		0.5 0.6  → Series1  → 75% value		
Depth (mm) 100	0.1		Time (mins)		0.5 0.6  → Series1  → 75% value		
0 50 100 200 250	0.1		Time (mins)		0.5 0.6  → Series1  → 75% value		
0 50 100 150 200 200 150 200 150 150 150 150 150 150 150 150 150 1	0.1		Time (mins)		0.5 0.6  → Series1  → 75% value		
0 50 100 200 250	0.1		Time (mins) 0.3		0.5 0.6  → Series1  → 75% value		
Depth (mm) 100 200 250		0.2	Time (mins)		0.5 0.6  → Series1  → 75% value		
Depth (mm) 100 200 250	1.00m to 1.30m	0.2	Time (mins) 0.3		0.5 0.6  → Series1  → 75% value		



	Building Regul		ERCOLATION TE pproved Docume	nt H and BS6297+	-A1: 2008		
Client:		Dal	las Burston Prop	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222′	1120	Test No:	TP1	1: Test 2		
	CAL	CULATION O	F SOIL INFILT	RATION RATE			
me (mins)	Depth (mm)			Length (m) =	0.50		
0	200	1	Size of Trial Pit	Width (m) =	0.40		
0.5	270			Depth (m) =	0.30		
1	300	'		/			
			Depth to wate	r at start of test =	200.0		
			Dept	h to base of pit =	300.0		
				ter at 75% level =			
				ter at 50% level =			
			Depth to wa	ter at 25% level =	275.0		
				area of pit (m <sup>2</sup> ) =			
			Eff area of los	s 75 - 25% (m²) =	0.290		
			Volume outflow	v 75 - 25% (m³) =	0.010		
				From the grap	h:		
				tp 75 (min) =	0.18		
				tp 25 (min) =	0.56		
		<u> </u>					
			on rate, f, (m/s) =		normal test		
			e for 1mm (Vp) =		Seconds		
		Input by:	DS	Date:	26/10/2023		
		Checked by:	PB	Date:	30/10/2023		
			Time (mins)				
0	0.2	0.4	0.6	0.8	1 1.2		
0 +					→ Series1		
50					— <u></u> 75% value		
100					25% value		
Depth (mm)							
200							
250					<b>.</b>		
250							
250							
1			Notes		•		



	Building Reg		PERCOLATION TE Approved Docume		-A1: 2008		
Client:		Da	allas Burston Prop	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	22	221120	Test No:	TP1	1: Test 3		
	CA	LCULATION (	OF SOIL INFILT	RATION RATE			
ime (mins)	Depth (mm	)		Length (m) =	0.50		
0	180	<del>′</del>	Size of Trial Pit	Width (m) =	0.40		
0.5	230			Depth (m) =	0.30		
1	260			, , ,			
2	280		Depth to water	r at start of test =	180.0		
3	300		Dept	h to base of pit =	300.0		
				ter at 75% level =			
				ter at 50% level =			
			Depth to wat	ter at 25% level =	270.0		
				area of pit (m <sup>2</sup> ) =			
			Eff area of los	s 75 - 25% (m²) =	0.308		
			Volume outflow	v 75 - 25% (m³) =	0.012		
				From the grap			
				tp 75 (min) =			
				tp 25 (min) =	1.5		
			ion rate, f, (m/s) =		normal test		
			me for 1mm (Vp) =		Seconds		
		Input by		Date:	26/10/2023		
		Checked by	: PB	Date:	30/10/2023		
			Time (mins)				
0	0.5	1	1.5 2	2.5	3 3.5		
0 +					Series1		
50					——75% value		
100							
					25% value		
Depth (mm)							
200							
250					<del>-</del>		
1							
250							
1			Notes		•		



	Building Regul		ERCOLATION TE pproved Docume	ST nt H and BS6297	⊦A1: 2008		
Client:		Dal	las Burston Prop	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP1	2: Test 1		
	CAL	CULATION O	F SOIL INFILT	RATION RATE			
ime (mins)	Depth (mm)	T		Length (m) =	0.50		
0	110	1 1	Size of Trial Pit	Width (m) =	0.40		
0.5	140	1		Depth (m) =			
1	170	┪ '		2 3 5 111 ()	0.00		
2	190		Depth to water	r at start of test =	110.0		
3	200			h to base of pit =			
4	210			ter at 75% level =			
5	220			ter at 50% level =			
6	240			ter at 25% level =			
8	260						
10	270		Base	area of pit (m <sup>2</sup> ) =	0.200		
13	300			s 75 - 25% (m <sup>2</sup> ) =			
- · ·				$v 75 - 25\% (m^3) =$			
		4		From the grap			
		tp 75 (min) = 0.75					
		4 !		tp 25 (min) =	7.3		
		1					
			on rate, f, (m/s) =		normal test		
			e for 1mm (Vp) =		Seconds		
		Input by: Checked by:	DS PB	Date:	26/10/2023 30/10/2023		
		Checked by.	ГВ	Date.	30/10/2023		
			Time (mins)				
0	2	4	6 8	10	12 14		
0 +					→ Series1		
50					_ <u>←</u> 75% value		
					70% value		
100 E					<b>-</b> ■-25% value		
Depth (mm)							
<u>a</u>					_		
ă 1		•					
200			1				
200							
200					•		
200							
250			Notes				



	Building Regula		ERCOLATION TE pproved Docume	nt H and BS6297-	+A1: 2008		
Client:		Dal	las Burston Prop	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	2221	120 Test No: TP12: Test 2					
	CALC	CUI ATION O	F SOIL INFILT	RATION RATE			
me (mins)	Depth (mm)			Length (m) =	0.50		
0	90	1	Size of Trial Pit	Width (m) =	0.40		
0.5	110	1		Depth (m) =	0.30		
1	130	1 '		1 ( )			
2	140		Depth to water	r at start of test =	90.0		
3	150		Depth to base of pit = 300.0				
4	160			ter at 75% level =			
5	170		Depth to water at 50% level = 195.0				
6	180		Depth to water at 25% level = 247.5				
7	190						
8	200	Base area of pit $(m^2) = 0.200$					
9	210		Eff area of los	s 75 - 25% (m²) =	0.389		
10	220		Volume outflov	v 75 - 25% (m³) =	0.021		
12	230						
15	240	]		From the grap	h:		
20	250	]		tp 75 (min) =	2		
25	260	]		tp 25 (min) =	19		
30	270	] '					
40	300						
			on rate, f, (m/s) =		normal test		
			e for 1mm (Vp) =		Seconds		
		Input by:	DS	Date:	26/10/2023		
		Checked by:	РВ	Date:	30/10/2023		
			Time (mins)				
0	5	10 15	20 25	30 35	40 45		
0 ‡					Series1		
=					V Oches I		
50 🖠					→ 75% value		
1					313/313		
100					25% value		
Depth (mm)							
돌 150 출							
<u>ē</u>							
გ ₁							
වී <u>1</u> 200 <del>]</del>							
200 =					_		
200 = 250					1 1		
200							
200							
250							
250			Notes				



	Building Regu		pproved Docume		A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP1	2: Test 3		
	CAL	CIII ATION O	F SOIL INFILT	RATION RATE			
ime (mins)	Depth (mm)	I	I GOIL HAI ILT	Length (m) =	0.50		
0	110	-	Size of Trial Pit	Width (m) =	0.40		
0.5	130	-		Depth (m) =	0.30		
1	140	- <b> </b>		5 op ()	0.00		
2	150		Depth to water	at start of test =	110.0		
3	170			h to base of pit =			
4	180			ter at 75% level =			
5	190		Depth to wat	ter at 50% level =	205.0		
10	210		Depth to wat	ter at 25% level =	252.5		
15	230						
20	240			area of pit (m²) =			
25	250			s 75 - 25% (m²) =			
30	258		Volume outflow	/ 75 - 25% (m <sup>3</sup> ) =	0.019		
		_  ,					
		_		From the grap			
		_		tp 75 (min) =			
		_		tp 25 (min) =	21		
			on rate, f, (m/s) =	3.45E-05	normal test		
		Input by:	e for 1mm (Vp) = DS	Date:	Seconds 26/10/2023		
		Checked by:	PB	Date:	30/10/2023		
		Officered by:	1.5	Duto.	00/10/2020		
			Time (mins)				
0	5	10	15 20	25	30 35		
0 +					→ Series1		
50 <del>-</del>							
30					——75% value		
4					250/		
100	(				25% value		
100 E							
					<del>-</del>		
Depth (mm)							
Depth (mm)							
Depth (mm)							
250 250							
Depth (mm)							
250 250			Notes				



Dallas Burston Property Limited		Building Regula		ERCOLATION TE		-A1: 2008			
CALCULATION OF SOIL INFILTRATION RATE	Client:		Dal	las Burston Prope	erty Limited				
CALCULATION OF SOIL INFILTRATION RATE	Site:		Brixworth Percolation Testing						
Size of Trial Pit	Job No:	2221	2221120 Test No: TP13: Test 1						
Size of Trial Pit		CALC	CULATION O	F SOIL INFILT	RATION RATE				
Size of Trial Pit	Time (mins)					0.30			
Depth (m) =   0.30	, ,	,	1	Size of Trial Pit					
1.5	0.5	10			Depth (m) =	0.30			
2   90   Depth to base of pit =   300.0     3   100   Depth to water at 75% level =   75.0     4   110   Depth to water at 50% level =   150.0     5   120   Depth to water at 25% level =   225.0     10   130                     15   140   Base area of pit (m²) =   0.090     20   160   Eff area of loss 75 - 25% (m²) =   0.270     25   180   Volume outflow 75 - 25% (m²) =   0.014     30   190                           40   200   From the graph:                     50   220                                 60   220                                   75   220	1	40	•		. ,				
3 100 Depth to water at 75% level = 75.0  4 110 Depth to water at 50% level = 150.0  5 120 Depth to water at 25% level = 225.0  10 130  15 140 Base area of pit (m²) = 0.090  20 160 Eff area of loss 75 - 25% (m³) = 0.270  25 180 Volume outflow 75 - 25% (m³) = 0.014  30 190  40 200 From the graph:  10 177  50 220  89 240  Soil infiltration rate, f, (m/s) = 1.11E-05   normal test    Time for 1mm (Vp) =    Seconds    Input by: DS Date: 26/10/2023  Checked by: PB Date: 30/10/2023  Time (mins)  Notes	1.5	60							
110   Depth to water at 50% level =   150.0									
Soil infiltration rate, f, (m/s) =   Seconds   Input by:   DS   Date:   30/10/2023   Series 1   S									
10									
15				Depth to wat	ter at 25% level =	225.0			
Soil infiltration rate, f, (m/s) =   1.11E-05   normal test									
Soil infiltration rate, f, (m/s) =   1.11E-05									
30 190 40 200 50 210 60 220 75 220 89 240  Soil infiltration rate, f, (m/s) = 1.11E-05   normal test   Time for 1mm (Vp) =   Seconds   Input by: DS Date: 26/10/2023 Checked by: PB Date: 30/10/2023  Time (mins)  Time (mins)  Notes									
Soil infiltration rate, f, (m/s) =   1.11E-05				Volume outflow	/ 75 - 25% (m³) =	0.014			
Soil infiltration rate, f, (m/s) =   1.11E-05									
Time for 1mm (Vp) =   Seconds									
75									
Soil infiltration rate, f, (m/s) =   1.11E-05					tp 25 (min) =	77			
Soil infiltration rate, f, (m/s) =   1.11E-05   normal test									
Time for 1mm (Vp)	09	240	Soil infiltration	n rato f (m/s) =	1 115 05	normal tost			
Input by: DS   Date: 26/10/2023   Checked by: PB   Date: 30/10/2023   Time (mins)					1.112-03				
Time (mins)				, , ,	Date:				
Time (mins)  50  100  200  300  400  500  600  700  800  900  1000  Series1  75% value  25% value  25% value									
	0 50 100 150 200 250	10 20	0 30		70 80	Series1			
				Notes					
est pit from 1.00m to 1.30mbgl.	est pit from	1.00m to 1.30ml	oal.	110100					



	Building Regul		ERCOLATION TE		-A1: 2008	
Client:			las Burston Prope			
Site:		Brixworth Percolation Testing				
Job No:	222	2221120 Test No: TP14:				
	CAL	CULATION O	F SOIL INFILTE	RATION RATE		
ime (mins)	Depth (mm)			Length (m) =	0.30	
0	50	1 1	Size of Trial Pit	Width (m) =	0.30	
0.5	100	1		Depth (m) =	0.30	
1	150	-		1 ( /		
2	210		Depth to water	at start of test =	50.0	
3	260		Depth	n to base of pit =	300.0	
4	300		Depth to wat	er at 75% level =	112.5	
				er at 50% level =		
			Depth to wat	er at 25% level =	237.5	
				area of pit (m²) =		
				s 75 - 25% (m²) =		
			Volume outflow	75 - 25% (m³) =	0.011	
		_				
				From the grap		
		<b>tp 75 (min) =</b> 0.65				
				tp 25 (min) =	2.55	
		]				
		Soil infiltration	on rate, f, (m/s) =	4.11E-04	normal test	
		Tim	e for 1mm (Vp) =		Seconds	
		Input by:	DS	Date:	26/10/2023	
		Checked by:	PB	Date:	30/10/2023	
		Officered by:				
		oncoked by:	Time (mins)			
0	0.5	1 1.5	Time (mins) 2 2.5	3 3.5	4 4.5	
0 0 1	0.5			3 3.5	4 4.5 Series1	
	0.5			3 3.5	Series1	
0 +	0.5			3 3.5	Series1	
50	0.5			3 3.5	Series1	
Depth (mm) 100 150	0.5			3 3.5	Series1	
50	0.5			3 3.5	Series1	
Depth (mm) 100 150	0.5			3 3.5	Series1	
Depth (mm) 100 150 200	0.5			3 3.5	Series1	
50 <b>Depth (mm)</b> 100 200 250	0.5			3 3.5	Series1	



	Building Regul		ERCOLATION TE oproved Docume		-A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP1	4: Test 2		
	СА	CIII ATION O	F SOIL INFILT	RATION RATE			
me (mins)	Depth (mm)	1		Length (m) =	0.30		
0	0	1 1	Size of Trial Pit	Width (m) =	0.30		
0.5	50	1		Depth (m) =	0.30		
1	70	-		1 ( /			
2	90		Depth to water	r at start of test =	0.0		
3	110		Dept	h to base of pit =	300.0		
4	120			ter at 75% level =			
5	130			ter at 50% level =			
7	150		Depth to wat	ter at 25% level =	225.0		
10	180						
15	210			area of pit (m <sup>2</sup> ) =			
20	250			s 75 - 25% (m <sup>2</sup> ) =			
30	300 Volume o			v 75 - 25% (m <sup>3</sup> ) =	0.014		
		╡ ,					
		4		From the grap			
		4		tp 75 (min) =			
		-		tp 25 (min) =	17		
			on rate, f, (m/s) =	5.24E-05	normal test		
		Input by:	e for 1mm (Vp) =	Date:	Seconds 26/10/2023		
		Checked by:	PB	Date:	30/10/2023		
		Officered by.	1.5	Date.	00/10/2020		
			Time (mins)				
0	5	10	15 20	25	30 35		
					→ Series1		
50 <del>-</del>							
30					→ 75% value		
100							
	**				25% value		
Depth (mm)							
t dig							
200							
200 -							
200 <del>-</del> 250 <del>-</del>				_	1		
250 <del>-</del>							
250 <del>-</del>			Notes				



	Building Regu	lations: 2000: A	ERCOLATION TE oproved Docume	nt H and BS6297+	A1: 2008		
Client:		Dal	las Burston Prope	erty Limited			
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP1	4: Test 3		
	CAL	CIII ATION O	F SOIL INFILTI	RATION RATE			
me (mins)	Depth (mm)		. 0012 1141 121	Length (m) =	0.30		
0	0	7 1	Size of Trial Pit	Width (m) =	0.30		
0.5	30	1		Depth (m) =			
1	40	┪ '		2 op ()	0.00		
1.5	50		Depth to water	at start of test =	0.0		
2	60			h to base of pit =			
3	70			ter at 75% level =			
4	90		Depth to wat	er at 50% level =	150.0		
5	110		Depth to wat	ter at 25% level =	225.0		
10	130						
15	170			area of pit (m²) =			
20	200		Eff area of los	s 75 - 25% (m²) =	0.270		
30	250		Volume outflow	$75 - 25\% (m^3) =$	0.014		
		_		From the grap			
		_		tp 75 (min) =			
		_		tp 25 (min) =	25		
			on rate, f, (m/s) =	3.81E-05	normal test Seconds		
		Input by:	e for 1mm (Vp) =	Date:	26/10/2023		
		Checked by:	PB	Date:	30/10/2023		
		,					
			Time (mins)				
0	5	10	15 20	25	30 35		
0					→ Series1		
50	*				<u></u> 4 75% value		
	•						
100					——25% value		
Depth (mm)							
Depth (mm)							
Depth (mm)							
Depth (mm)							
Depth (mm)							
250 250			Notes				



	Building Regu		pproved Docume		-A1: 2008		
Client:			las Burston Prope				
Site:		Brixworth Percolation Testing					
Job No:	222	1120	Test No:	TP1	5: Test 1		
	CAL	CULATION O	F SOIL INFILTI	RATION RATE			
e (mins)	Depth (mm)			Length (m) =	0.35		
0	80	7	Size of Trial Pit	Width (m) =	0.35		
0.25	105			Depth (m) =	0.30		
0.5	120						
1	135			at start of test =			
1.5	145			h to base of pit =			
2	155			ter at 75% level =			
3	167.5			ter at 50% level =			
5	180 190		Depth to wat	ter at 25% level =	245.0		
			Door		0.400		
6 7	205			area of pit $(m^2) = \frac{1}{2}$			
	210			s 75 - 25% (m <sup>2</sup> ) =			
8	215		volume outflow	/ 75 - 25% (m <sup>3</sup> ) =	0.013		
10 14	230 252.5			Erom the gran			
14	232.3	_		From the grap tp 75 (min) =			
		-		tp 75 (min) =			
				τρ 20 ()	12.0		
		Soil infiltration	on rate, f, (m/s) =	6 88F-05	normal test		
			ne for 1mm (Vp) =	0.002 00	Seconds		
		Input by:	DS	Date:	26/10/2023		
		Checked by:	PB	Date:	30/10/2023		
			Time (mins)				
0 0 +	2	4 6	8	10 12	14 16		
					→ Series1		
50 <del>-</del>							
1					——75% value		
100					<b>─</b> 25% value		
					25% value		
Depth (mm)					_		
<b>₩</b> '``							
<del></del>							
200							
200	ı						
200					_		
200 - 250 -							
250							
200							



Dallas Burston Property Limited   Site:   Brixworth Percolation Testing   Job No:   2221120   Test No:   TP15: Test 2		Building Regula		ERCOLATION TE oproved Docume		+A1: 2008				
CALCULATION OF SOIL INFILTRATION RATE	Client:		Dal	as Burston Prope	erty Limited					
CALCULATION OF SOIL INFILTRATION RATE	Site:	: Brixworth Percolation Testing								
Image   Mins   Depth   Mins   Depth   Depth   Depth   Midth   Depth   Depth   Midth   Depth   Depth	Job No:	2221	1120	Test No:	TP1	5: Test 2				
Image   Mins   Depth   Mins   Depth   Depth   Depth   Midth   Depth   Depth   Midth   Depth   Depth		CALO	CULATION O	F SOIL INFILTI	RATION RATE					
Size of Trial Pit	ime (mins)									
Depth (m) =   0.30	` ,	. ,	1	Size of Trial Pit	• , ,					
0.5	0.25	82.5			· /					
1 117.5 Depth to base of pit = 300.0  1.5 135 Depth to water at 75% level = 116.3  2 145 Depth to water at 25% level = 238.8  4 162.5 Depth to water at 25% level = 238.8  4 162.5 Depth to water at 25% level = 238.8  5 165 Base area of pit (m²) = 0.123  6 175 Eff area of loss 75 - 25% (m³) = 0.294  8 187.5 Volume outflow 75 - 25% (m³) = 0.015  10 205  12 212.5 From the graph: 16 227.5 175 (min) = 0.9 18 235 20 240  Soil infiltration rate, f, (m/s) = 19  From the graph: 16 227.5 To 75 (min) = 19  Seconds  Input by: DS Date: 26/10/2023  Checked by: PB Date: 30/10/2023  Time (mins)  Time (mins)  Notes	0.5	100	•		1 ( )					
1	0.75	110		Depth to water	at start of test =	55.0				
1.5	1	117.5								
Soil infiltration rate, f, (m/s) =   4.70E-05   normal test	1.5	135		Depth to wat	er at 75% level =	116.3				
## 162.5    165   Base area of pit (m²) = 0.123				Depth to wat	er at 50% level =	177.5				
Soil infiltration rate, f, (m/s) =   1.70				Depth to wat	er at 25% level =	238.8				
Soil infiltration rate, f, (m/s) =   4.70E-05     19	4	162.5								
8 187.5   Volume outflow 75 - 25% (m³) = 0.015  10 205 12 212.5   From the graph: 16 227.5   tp 75 (min) = 0.9 18 235 20 240    Soil infiltration rate, f, (m/s) =	5	165		Base	area of pit (m²) =	0.123				
10   205   12   212.5	6	175		Eff area of los		0.294				
10   205   12   212.5	8	187.5		Volume outflow	75 - 25% (m <sup>3</sup> ) =	0.015				
16 227.5 18 235 20 240    Soil infiltration rate, f, (m/s) =	10	205			,					
16   227.5   18   235   200   240   25   19   25   19   25   20   240   25   25   25   25   25   25   25   2	12	212.5			From the grap	h:				
Soil infiltration rate, f, (m/s) =   4.70E-05	16	227.5								
Soil infiltration rate, f, (m/s) =   4.70E-05	18	235								
Time for 1mm (Vp) =   Seconds	20	240	] '		. ,	•				
Time for 1mm (Vp) =   Seconds			Soil infiltration	n rate. f. (m/s) =	4.70E-05	normal test				
Input by: DS   Date: 26/10/2023   Checked by: PB   Date: 30/10/2023										
Time (mins)					Date:	26/10/2023				
Notes  20 25 Series1 T5% value T5% value T5% value T5% value				PB	Date:	30/10/2023				
Notes  20 25 Series1 T5% value T5% value T5% value T5% value										
Notes  Series1 75% value 75% value 25% value 8	0		ξ.		30	25				
50 100 150 200 250 300 Notes			, 	10 10	20					
100 25% value 25% value 250 300 Notes	1					→ Series1				
150 200 250 300 Notes	50 ]	• • • • • • • • • • • • • • • • • • •				——75% value				
200 250 300 Notes	30	l								
200 250 300 Notes	100					<b>─</b> 25% value				
200 250 300 Notes	100					— <b>—</b> 25% value				
300	Depth (mm)					— <b>■</b> —25% value				
Notes	Depth (mm)					— <b>■</b> —25% value				
Notes	Depth (mm) 1500					— <b>■</b> —25% value				
	100 <b>Depth (mm)</b> 150 200					— <b>■</b> —25% value				
est pit from 1.00m to 1.30mbgl.	Depth (mm) 150 200 250					—■—25% value				



	Davildin v Da wale		ERCOLATION TE		. 44. 0000				
Client:	Building Regula		pproved Docume las Burston Prope		+A1: 2008				
Site:		Br	ixworth Percolation	on Testing					
Job No:	2221	120	Test No:	TP1	5: Test 3				
	CALC	NIII ATION O	E SOII INEII TI	DATION DATE					
ime (mins)	Depth (mm)	Depth (mm)  CALCULATION OF SOIL INFILTRATION RATE  Length (m) = 0.35							
0	50	1	Size of Trial Pit	Width (m) =					
0.25	77.5			Depth (m) =					
0.5	95	<u>'</u>		1 ( )					
1	110		Depth to water	at start of test =	50.0				
1.5	130			h to base of pit =					
2	140			er at 75% level =					
3	150			er at 50% level =					
4	155		Depth to wat	er at 25% level =	237.5				
5	165		_	2 2.	la				
7	180			area of pit (m²) =					
8	190			s 75 - 25% (m²) =					
10	205		Volume outflow	/ 75 - 25% (m³) =	0.015				
12	210	! .							
15	225			From the grap					
20	245			tp 75 (min) =					
		'		tp 25 (min) =	18				
		Soil infiltration	on rate, f, (m/s) =	5 08F-05	normal test				
			ne for 1mm (Vp) =	0.002 00	Seconds				
		Input by:	DS	Date:					
		Checked by:	PB	Date:	30/10/2023				
		Checked by:		Date:	30/10/2023				
0	5		<b>PB</b> Time (mins)  10 15		<b>30/10/2023</b> 25				
0	Ę		Time (mins)		25				
	Ę		Time (mins)		25 → Series1				
50	5		Time (mins)		25 ——Series1 ——75% value				
50	5		Time (mins)		25 → Series1				
50	5		Time (mins)		25 ——Series1 ——75% value				
50 100 (Wm			Time (mins)		25 ——Series1 ——75% value				
0 50 100 150			Time (mins)		25 ——Series1 ——75% value				
Depth (mm) 100 150 200 250	5		Time (mins)		25 ——Series1 ——75% value				
Depth (mm) 100 150 200			Time (mins)		25 ——Series1 ——75% value				
Depth (mm) 100 150 200 250			Time (mins)		25 ——Series1 ——75% value				



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