



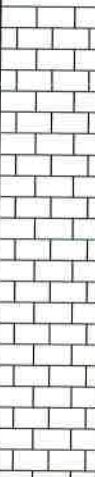


LOCATION: Land East of Woodstock, Oxfordshire		BOREHOLE NO. BH106					
		Date of Boring: 16/09/2014					
Description of Strata	Strata Change		Core Run Depth -m	TCR %	SCR %	RQD %	
	Legend	Depth -m					
		Scale	Strata				
FOREST MARBLE Detail 4.90m - 5.70m : Very stiff green-grey silty CLAY with thin limestone bed at 5.20m to 5.35m.		5.0	(0.80)	80	70	0	
FOREST MARBLE Very strong crystalline grey fossiliferous LIMESTONE with medium spaced sub-horizontal fractures that are weathered orange-brown		5.70	(2.00)	0	0	50	
FOREST MARBLE Very stiff dark grey silty CLAY with fossils		7.70	8.0	100	80	0	
FOREST MARBLE Very strong crystalline grey fossiliferous LIMESTONE with medium spaced sub-horizontal fractures		8.10	9.0			75	
<i>Continued next sheet</i>							
Ground Level: 85.42mAOD Eastings: 445907 Northings: 215891 Instrumentation: Standpipe to base of borehole. Slotted section from 2m bgl to 15m bgl. Remarks: 1.Undertaken using Comacchio 305 rotary / percussive rig. 2.Rotary method using mist flush. 3.Logged my Murray Bateman to +A2.				∇ Water Strike ▼ Water (Standing Level) W Water Sample TCR Total Core Recovery (%) SCR Solid Core Recovery (%) RQD Rock Quality Designation SPT Standard Penetration Test CPT Cone Penetration Test			
BOREHOLE LOG				Report No: 14.08.005a			

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. BH106

Date of Boring: 16/09/2014

Description of Strata	Strata Change		Core Run Depth -m	TCR %	SCR %	RQD %	
	Legend	Depth -m					
		Scale					Strata
FOREST MARBLE		10.0	(4.00)				
FOREST MARBLE Weak black and dark grey slightly sandy MUDSTONE with many fossils and wood fragments		12.0	12.10	100	60	25	
FOREST MARBLE Strong dark grey very fossiliferous crystalline LIMESTONE with sub-horizontal fractures		12.45	12.45	100	80	25	
FOREST MARBLE Very strong grey crystalline LIMESTONE with occasional fossils		12.90	12.90	80	65	50	
<div style="border-top: 1px dashed black; padding-top: 5px;">Base of borehole at 15.00 m</div>		14.0	(2.10)				
		15.0					

Ground Level: 85.42mAOD

Eastings: 445907

Northings: 215891

Instrumentation: Standpipe to base of borehole. Slotted section from 2m bgl to 15m bgl.

Remarks:
 1. Undertaken using Comacchio 305 rotary / percussive rig.
 2. Rotary method using mist flush.
 3. Logged by Murray Bateman to +A2.

- ▽ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- TCR Total Core Recovery (%)
- SCR Solid Core Recovery (%)
- RQD Rock Quality Designation
- SPT Standard Penetration Test
- CPT Cone Penetration Test


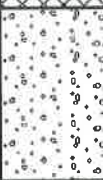
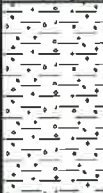

BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS A

Date of Boring: 09/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0		0.10-0.30	D		
			0.30	(0 80)	0.30-1.10	D	
CORNBURASH Very dense brown sandy fine to coarse angular GRAVEL and COBBLES of limestone		-1.0		1.10-1.50	D	▽	
			1.10	(0 90)	1.50-2.00	D	▼
FOREST MARBLE Very stiff brown and grey gravelly CLAY. Gravel is fine to medium calcareous nodules		-2.0		2.00-2.50	D	▽	
			2.00			275	
FOREST MARBLE Very stiff grey brown silty CLAY						188	
			2.50			188	
Borehole collapsed at 2.50m <i>Base of borehole at 2.50 m</i>		-3.0				250	
		-4.0					
		-5.0					

Borehole Diameter: 87-67mm

Ground Level: 92.59m AOD

Easting: 445478

Northing: 216496



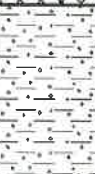
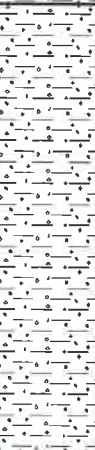
Instrumentation: Backfilled with arisings

Remarks:
 1. Method of excavation: Continuous tube sampler.
 2. Groundwater struck at 1.00m (very slight) and 2.00m, standing at 1.50m.
 3. Borehole collapsed in to 1.80m.
 4. Logged by Murray Bateman to +A2.

- ▽ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- B Bulk Sample
- D Small Disturbed Sample
- U Undisturbed Sample
- (No. of blows shown in brackets)
- HV Hand Vane
- PP Pocket Penetrometer
- * Extrapolated Value

BOREHOLE LOG




Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire		BOREHOLE NO. WS B					
		Date of Boring: 11/09/2014					
Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0		0.10-0.40	D		
MADE GROUND Very stiff brown and dark brown gravelly CLAY. Gravel is fine to coarse angular of limestone			0.40	0.40-0.70	D		
FOREST MARBLE Very stiff brown and grey gravelly CLAY. Gravel is fine to medium calcareous nodules		0.70		0.70-1.00	D		
FOREST MARBLE Very stiff brown and grey very slightly gravelly CLAY. Gravel is fine to medium angular of mudstone		1.0	(0 80)	1.00-1.50	D	250+	
		1.50		1.50-2.00	D	250+	
		2.0		2.00-2.50	D	250+	
		2.50	(2 10)	2.50-3.00	D	250+	
		3.0		3.00-3.60	D	188	
		3.60		3.60-4.00	D	250+	
		4.0		4.00-4.50	D	250+	
		4.50	(1 40)	4.50-5.00	D	250+	
		5.0	5.00			250+	
<i>Base of borehole at 5.00 m</i>							
Borehole Diameter: 87-57mm			<div style="display: flex; justify-content: space-between;"> ∇ Water Strike </div>				
Ground Level: 92.35m AOD			<div style="display: flex; justify-content: space-between;"> ▼ Water (Standing Level) </div>				
Easting: 445300			<div style="display: flex; justify-content: space-between;"> W Water Sample </div>				
Northing: 216326			<div style="display: flex; justify-content: space-between;"> B Bulk Sample </div>				
Instrumentation: Backfilled with arisings			<div style="display: flex; justify-content: space-between;"> D Small Disturbed Sample </div>				
Remarks:			<div style="display: flex; justify-content: space-between;"> U Undisturbed Sample </div>				
1.Method of excavation: Continuous tube sampler. 2.No groundwater encountered.. 3.Logged by Murray Bateman to +A2.			<div style="display: flex; justify-content: space-between;"> (No. of blows shown in brackets) </div>				
			<div style="display: flex; justify-content: space-between;"> HV Hand Vane </div>				
			<div style="display: flex; justify-content: space-between;"> PP Pocket Penetrometer </div>				
			<div style="display: flex; justify-content: space-between;"> * Extrapolated Value </div>				
BOREHOLE LOG					Report No: 14.08.005a		

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS C

Date of Boring: 08/09/2014

Description of Strata	Strata Change			Samples		PP kPa (Cu)	Water Level -m
	Legend	Depth -m		Depth -m	Type		
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0		0.10-0.30	D		
			0.30	0.30-0.50	D		
MADE GROUND Stiff brown very gravelly friable CLAY. Gravel is fine to coarse angular of limestone			0.50	0.50-1.00	D		
			-1.0	1.00-1.50	D	250+	
FOREST MARBLE Very stiff brown and grey gravelly CLAY with occasional limestone cobbles. Gravel is fine to coarse angular of limestone			(1.70)	1.50-2.00	D	188	Dry
			-2.0	2.00-2.20	D	138	
No penetration. Possible limestone <i>Base of borehole at 2.20 m</i>			2.20			150	
		-3.0					
		-4.0					
		-5.0					

<p>Borehole Diameter: 87-67mm</p> <p>Ground Level: 90.75m AOD</p> <p>Easting: 445285</p> <p>Northing: 216205</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks:</p> <ol style="list-style-type: none"> 1. Method of excavation: Continuous tube sampler. 2. No groundwater encountered. 3. No penetration below 2.20m. 4. Logged by Murray Bateman to +A2. 	<ul style="list-style-type: none"> ∇ Water Strike ▼ Water (Standing Level) W Water Sample B Bulk Sample D Small Disturbed Sample U Undisturbed Sample (No. of blows shown in brackets) HV Hand Vane PP Pocket Penetrometer * Extrapolated Value
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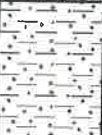
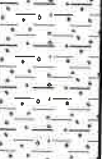



BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS D

Date of Boring: 08/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown slightly gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0		0.10-0.30	D	Dry	
			0.30	0.30-0.60	D		
MADE GROUND Firm to stiff brown very gravelly friable CLAY. Gravel is fine to coarse angular of limestone		0.60		0.60-1.00	D		
		1.0		1.00-1.50	D		
FOREST MARBLE Very stiff brown and grey gravelly CLAY with occasional limestone cobbles. Gravel is fine to medium angular of limestone		(1 40)		1.50-2.00	D		
			2.0	2.00-2.50	D		
		(0 90)		2.50-2.90	D		
FOREST MARBLE Stiff brown slightly gravelly CLAY. Gravel is fine to medium calcareous nodules		2.90		2.90-3.60	D		
		(0 70)		2.50-2.90	D		
FOREST MARBLE Very stiff grey slightly gravelly CLAY. Gravel is fine to medium angular of limestone		3.0		2.90-3.60	D		
		(0 70)		2.50-2.90	D		
- at 3.60m probable limestone		3.60		2.50-2.90	D		
Base of borehole at 3.60 m		4.0					
		5.0					

<p>Borehole Diameter: 87-57mm</p> <p>Ground Level: 90.45m AOD</p> <p>Easting: 445399</p> <p>Northing: 216191</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks: 1. Method of excavation: Continuous tube sampler. 2. No groundwater encountered. 3. No penetration below 3.60m. 4. Logged by Murray Bateman to +A2.</p>	<p>∇ Water Strike</p> <p>▼ Water (Standing Level)</p> <p>W Water Sample</p> <p>B Bulk Sample</p> <p>D Small Disturbed Sample</p> <p>U Undisturbed Sample (No. of blows shown in brackets)</p> <p>HV Hand Vane</p> <p>PP Pocket Penetrometer</p> <p>* Extrapolated Value</p>
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BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS E

Date of Boring: 08/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown slightly gravelly TOPSOIL. Gravel is medium to coarse angular of limestone		0.0		0.10-0.40	D		
			0.40	0.40-1.00	D		
FOREST MARBLE Very stiff brown and grey gravelly CLAY with occasional limestone cobbles. Gravel is fine to medium angular of limestone		1.0		1.00-1.50	D	250+	
			(1.60)	1.50-2.00	D	250+	
				2.00-2.50	D	225	
				2.50-3.00	D	250+	
FOREST MARBLE Stiff brown slightly gravelly CLAY. Gravel is fine to medium calcareous nodules		2.0	2.00	2.00-2.50	D	150	
				2.50-3.00	D	175	
			(1.20)	3.00-3.20	D	213	
				3.00-3.20	D	188	
Base of borehole at 3.20 m			3.20			238	
		4.0					
		5.0					

Borehole Diameter: 87-57mm

Ground Level: 90.75m AOD

Easting: 445504

Northing: 216229

Instrumentation: Backfilled with arisings

Remarks:
 1. Method of excavation: Continuous tube sampler.
 2. No groundwater encountered.
 3. No penetration below 3.20m.
 4. Logged by Murray Bateman to +A2.

- ▽ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- B Bulk Sample
- D Small Disturbed Sample
- U Undisturbed Sample
- (No. of blows shown in brackets)
- HV Hand Vane
- PP Pocket Penetrometer
- * Extrapolated Value




BOREHOLE LOG



Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS F

Date of Boring: 09/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0		0.10-0.40	D		
FOREST MARBLE Very stiff brown and grey gravelly CLAY with occasional limestone cobbles. Gravel is fine to medium calcareous nodules		0.40		0.40-1.00	D		
		1.0	(140)	1.00-1.50	D	250+	
				1.50-1.80	D	188	
Base of borehole at 1.80 m		1.80				225 	
		2.0					
		3.0					
		4.0					
		5.0					

<p>Borehole Diameter: 87-57mm</p> <p>Ground Level: 89.58m AOD</p> <p>Easting: 445367</p> <p>Northing: 216125</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks: 1. Method of excavation: Continuous tube sampler. 2. Groundwater struck at 1.50m, standing at 1.45m. 3. No penetration below 1.80m. 4. Logged by Murray Bateman to +A2.</p>	<p> Water Strike</p> <p> Water (Standing Level)</p> <p>W Water Sample</p> <p>B Bulk Sample</p> <p>D Small Disturbed Sample</p> <p>U Undisturbed Sample</p> <p>(No. of blows shown in brackets)</p> <p>HV Hand Vane</p> <p>PP Pocket Penetrometer</p> <p>* Extrapolated Value</p>
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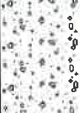


BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS G

Date of Boring: 09/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown very gravelly TOPSOIL with cobbles. Gravel is fine to coarse angular of limestone		0.0		0.10-0.30	D		
			0.30		0.30-0.90	D	
CORNBRASSH Very dense brown sandy fine to coarse angular GRAVEL and COBBLES of limestone		(0.60)					
			0.90		0.90-1.55	D	
FOREST MARBLE Stiff becoming firm brown and grey slightly gravelly CLAY. Gravel is fine to medium calcareous nodules		-1.0				150	
			(0.65)			138	▽
FOREST MARBLE Medium dense light brown fine SAND and GRAVEL with occasional clay inclusions. Gravel is fine to medium angular of limestone <i>Base of borehole at 1.70 m</i>		1.55		1.55-1.70	D	63	
			1.70				
		-2.0					
		-3.0					
		-4.0					
		-5.0					

<p>Borehole Diameter: 87-67mm</p> <p>Ground Level: 88.95m AOD</p> <p>Easting: 445471</p> <p>Northing: 216059</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks: 1. Method of excavation: Continuous tube sampler. 2. Groundwater struck at 1.40m (very slight). 3. No penetration below 1.70m. 4. Logged by Murray Bateman to +A2.</p>	<p>▽ Water Strike</p> <p>▼ Water (Standing Level)</p> <p>W Water Sample</p> <p>B Bulk Sample</p> <p>D Small Disturbed Sample</p> <p>U Undisturbed Sample</p> <p>(No. of blows shown in brackets)</p> <p>HV Hand Vane</p> <p>PP Pocket Penetrometer</p> <p>* Extrapolated Value</p>
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BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS H

Date of Boring: 11/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0	0.10-0.40	D		Dry	
CORNBRAsh Very dense brown sandy fine to coarse angular GRAVEL and COBBLES of limestone, with clay inclusions		0.40	0.40-1.00	D			
<i>Base of borehole at 1.20 m</i>		(0.80) 1.0	1.00-1.20	D			
		1.20					
		2.0					
		3.0					
		4.0					
		5.0					

Borehole Diameter: 87-77mm

Ground Level: 91.72m AOD

Easting: 445708

Northing: 216542

Instrumentation: Backfilled with arisings

Remarks:
 1. Method of excavation: Continuous tube sampler.
 2. No groundwater encountered.
 3. No penetration below 1.20m.
 4. Logged by Murray Bateman to +A2.

- ∇ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- B Bulk Sample
- D Small Disturbed Sample
- U Undisturbed Sample
- (No. of blows shown in brackets)
- HV Hand Vane
- PP Pocket Penetrometer
- * Extrapolated Value


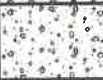
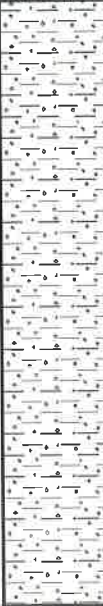
BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS I

Date of Boring: 15/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0		0.10-0.35	D	Dry	
		0.35		0.35-0.70	D		
CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL and COBBLES of limestone		0.70		0.70-1.00	D		
FOREST MARBLE Very stiff brown and grey gravelly CLAY. Gravel is fine to coarse calcareous nodules		1.0		1.00-1.50	D		
		1.50		1.50-2.00	D		
		2.0	(2.80)	2.00-2.50	D		
		2.50		2.50-3.00	D		
		3.0		3.00-3.50	D		
		3.50					
Base of borehole at 3.50 m		4.0					
		5.0					

Borehole Diameter: 87-57mm

Ground Level: 90.73m AOD

Easting: 445576

Northing: 216246

Instrumentation: Backfilled with arisings

Remarks:
 1. Method of excavation: Continuous tube sampler.
 2. No groundwater encountered.
 3. Borehole collapsed in to 2.80m.
 4. Very little penetration below 3.50m.
 5. Logged by Murray Bateman to +A2.

- ∇ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- B Bulk Sample
- D Small Disturbed Sample
- U Undisturbed Sample
- (No. of blows shown in brackets)
- HV Hand Vane
- PP Pocket Penetrometer
- * Extrapolated Value



BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS J

Date of Boring: 15/09/2014

Description of Strata	Legend	Strata Change		Samples		PP kPa (Cu)	Water Level -m
		Scale	Strata	Depth -m	Type		
MADE GROUND Firm dark brown gravelly TOPSOIL with limestone cobbles. Gravel is fine to coarse angular of limestone		0.0		0.10-0.60	D		Dry
CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL of limestone <i>Base of borehole at 0.90 m</i>		0.60	(0.60)	0.60-0.90	D		
		0.90					

<p>Borehole Diameter: 87mm</p> <p>Ground Level: 90.98m AOD</p> <p>Easting: 445664</p> <p>Northing: 216292</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks: 1.Method of excavation: Continuous tube sampler. 2.No groundwater encountered. 3.No penetration below 0.90m. 4.Logged by Murray Bateman to +A2.</p>	<ul style="list-style-type: none"> ∇ Water Strike ▼ Water (Standing Level) W Water Sample B Bulk Sample D Small Disturbed Sample U Undisturbed Sample HV Hand Vane PP Pocket Penetrometer * Extrapolated Value
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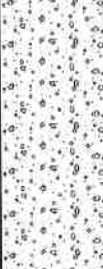

BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS K

Date of Boring: 15/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL with limestone cobbles. Gravel is fine to coarse angular of limestone		0.0		0.10-0.40	D	Dry	
			0.40	0.40-1.00	D		
CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL and COBBLES of limestone		1.0	(1 30)	1.00-1.50	D		
				1.50-1.70	D		
			1.70	1.70-2.00	D		
FOREST MARBLE Very stiff brown and grey gravelly CLAY. Gravel is fine to medium calcareous nodules		2.0	(0 80)	2.00-2.50	D		175
				2.50	D	175	
Base of borehole at 2.50 m		2.50				200	
		3.0					
		4.0					
		5.0					

Borehole Diameter: 87-67mm

Ground Level: 89.80m AOD

Easting: 445853

Northing: 216366

Instrumentation: Backfilled with arisings

Remarks:
 1. Method of excavation: Continuous tube sampler.
 2. No groundwater encountered.
 3. Borehole collapsed in to 1.55m.
 4. Logged by Murray Bateman to +A2.

- ▽ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- B Bulk Sample
- D Small Disturbed Sample
- U Undisturbed Sample
(No. of blows shown in brackets)
- HV Hand Vane
- PP Pocket Penetrometer
- * Extrapolated Value



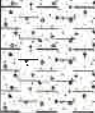
BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS L

Date of Boring: 12/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown very gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0		0.10-0.40	D	Dry	
CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL and COBBLES of limestone		0.40		0.40-0.70	D		
CORNBRASH Very stiff brown sandy very gravelly CLAY with limestone cobbles. Gravel is fine to coarse angular of limestone		0.70		0.70-1.00	D		
		1.0	(0.55)	1.00-1.25	D		
		1.25					
<i>Base of borehole at 1.25 m</i>							
		-2.0					
		-3.0					
		-4.0					
		-5.0					

<p>Borehole Diameter: 87-77mm</p> <p>Ground Level: 87.35m AOD</p> <p>Easting: 446118</p> <p>Northing: 216338</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks:</p> <ol style="list-style-type: none"> 1. Method of excavation: Continuous tube sampler. 2. No groundwater encountered. 3. No penetration below 1.25m on limestone. 4. Logged by Murray Bateman to +A2. 	<ul style="list-style-type: none"> ∇ Water Strike ▼ Water (Standing Level) W Water Sample B Bulk Sample D Small Disturbed Sample U Undisturbed Sample (No. of blows shown in brackets) HV Hand Vane PP Pocket Penetrometer * Extrapolated Value
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BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS M

Date of Boring: 11/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
<p>MADE GROUND Firm dark brown gravelly TOPSOIL with occasional limestone cobbles. Gravel is fine to medium angular of limestone</p>		0.0	0.10-0.40	D		Dry	
		0.40	0.40-0.75	D			
<p>CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL of limestone</p> <p><i>Base of borehole at 0.75 m</i></p>		0.75					
		-1.0					
		-2.0					
		-3.0					
		-4.0					
		-5.0					

Borehole Diameter: 87mm
Ground Level: 88.42m AOD
Easting: 445605
Northing: 216024

Instrumentation: Backfilled with arisings

Remarks:
 1. Method of excavation: Continuous tube sampler.
 2. No groundwater encountered.
 3. No penetration below 0.75m.
 4. Logged by Murray Bateman to +A2.

- ∇ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- B Bulk Sample
- D Small Disturbed Sample
- U Undisturbed Sample
(No. of blows shown in brackets)
- HV Hand Vane
- PP Pocket Penetrometer
- * Extrapolated Value



BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS N

Date of Boring: 12/09/2014

Description of Strata	Legend	Strata Change		Samples		PP kPa (Cu)	Water Level -m
		Scale	Strata	Depth -m	Type		
<p>MADE GROUND Firm dark brown gravelly TOPSOIL with occasional limestone cobbles. Gravel is fine to medium angular of limestone</p>		0.0		0.10-0.40	D		Dry
		0.40		0.40-0.75	D		
<p>CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL of limestone with occasional limestone cobbles, and occasional clay inclusions</p>		(0.70)		0.75-1.10	D		
<p><i>Base of borehole at 1.10 m</i></p>		1.10					

<p>Borehole Diameter: 87-67mm</p> <p>Ground Level: 88.71m AOD</p> <p>Easting: 445762</p> <p>Northing: 216152</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks: 1. Method of excavation: Continuous tube sampler. 2. No groundwater encountered. 3. Logged by Murray Bateman to +A2.</p>	<ul style="list-style-type: none"> ∇ Water Strike ▼ Water (Standing Level) W Water Sample B Bulk Sample D Small Disturbed Sample U Undisturbed Sample (No. of blows shown in brackets) HV Hand Vane PP Pocket Penetrometer * Extrapolated Value
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BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS 0

Date of Boring: 11/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0		0.10-0.50	D	Dry	
CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL of limestone <i>Base of borehole at 0.70 m</i>		0.50	0.70				
		-1.0	-2.0	-3.0	-4.0		-5.0

Borehole Diameter: 87mm

Ground Level: 86.21m AOD

Easting: 446038

Northing: 216110

Instrumentation: Backfilled with arisings

Remarks:
 1. Method of excavation: Continuous tube sampler.
 2. No groundwater encountered.
 3. No penetration below 0.70m on limestone.
 4. Logged by Murray Bateman to +A2.

- ∇ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- B Bulk Sample
- D Small Disturbed Sample
- U Undisturbed Sample
(No. of blows shown in brackets)
- HV Hand Vane
- PP Pocket Penetrometer
- * Extrapolated Value


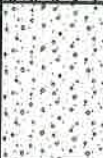

BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS P



Date of Boring: 12/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0	0.10-0.35	D		Dry	
CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL of limestone		0.35	0.35-0.50	D			
Base of borehole at 1.10 m		(0.75)	0.50-1.10	D			
		1.0	1.10				
		-2.0					
		-3.0					
		-4.0					
		-5.0					

<p>Borehole Diameter: 87-77mm</p> <p>Ground Level: 85.95m AOD</p> <p>Easting: 446199</p> <p>Northing: 216181</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks:</p> <ol style="list-style-type: none"> 1. Method of excavation: Continuous tube sampler. 2. No groundwater encountered. 3. No penetration below 1.10m. 4. Logged by Murray Bateman to +A2. 	<ul style="list-style-type: none"> ∇ Water Strike ▼ Water (Standing Level) W Water Sample B Bulk Sample D Small Disturbed Sample U Undisturbed Sample (No. of blows shown in brackets) HV Hand Vane PP Pocket Penetrometer * Extrapolated Value
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BOREHOLE LOG



Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire		BOREHOLE NO. WS Q					
		Date of Boring: 11/09/2014					
Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
<p>MADE GROUND Firm dark brown gravelly TOPSOIL with limestone cobbles. Gravel is fine to coarse angular of limestone</p>		0.0	0.10-0.50	D		Dry	
<p>CORNBRASH Dense orange brown clayey gravelly fine SAND. Gravel is fine to medium angular of limestone</p> <p><i>Base of borehole at 0.70 m</i></p>		0.50 0.70	0.50-0.70	D			
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Scale: 0.0, 1.0, 2.0, 3.0, 4.0, 5.0</p> </div> <div style="width: 45%; border-left: 1px solid black;"> <p>Strata: (Empty)</p> </div> </div>							
<p>Borehole Diameter: 87mm</p> <p>Ground Level: 85.33m AOD</p> <p>Easting: 445822</p> <p>Northing: 215827</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks:</p> <ol style="list-style-type: none"> 1. Method of excavation: Continuous tube sampler. 2. No groundwater encountered. 3. No penetration below 0.70m. 4. Logged by Murray Bateman to +A2. 			<p>▽ Water Strike</p> <p>▼ Water (Standing Level)</p> <p>W Water Sample</p> <p>B Bulk Sample</p> <p>D Small Disturbed Sample</p> <p>U Undisturbed Sample (No. of blows shown in brackets)</p> <p>HV Hand Vane</p> <p>PP Pocket Penetrometer</p> <p>* Extrapolated Value</p>				
BOREHOLE LOG					<p>Report No: 14.08.005a</p>		

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WSR

Date of Boring: 12/09/2014

Description of Strata	Legend	Strata Change		Samples		PP kPa (Cu)	Water Level -m
		Depth -m		Depth -m	Type		
		Scale	Strata				
MADE GROUND Firm dark brown very gravelly TOPSOIL with limestone cobbles, and roots (8mm diameter). Gravel is fine to coarse angular of limestone		0.0		0.10-0.40	D		Dry
			0.40	0.40-0.60	D		
			0.60	0.60-0.90	D		
CORNBRASH Very stiff brown clay bound fine to coarse angular GRAVEL of limestone, with roots (2mm diameter)		0.90					
CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL of limestone <i>Base of borehole at 0.90 m</i>		1.0					
		2.0					
		3.0					
		4.0					
		5.0					

Borehole Diameter: 87mm

Ground Level: 86.12m AOD

Easting: 446320

Northing: 216383

Instrumentation: Backfilled with arisings

Remarks:
 1. Method of excavation: Continuous tube sampler.
 2. No groundwater encountered.
 3. No penetration below 0.90m.
 4. Logged by Murray Bateman to +A2.

- ∇ Water Strike
- ▼ Water (Standing Level)
- W Water Sample
- B Bulk Sample
- D Small Disturbed Sample
- U Undisturbed Sample
(No. of blows shown in brackets)
- HV Hand Vane
- PP Pocket Penetrometer
- * Extrapolated Value



BOREHOLE LOG

Report No:
14.08.005a

LOCATION: Land East of Woodstock, Oxfordshire

BOREHOLE NO. WS S

Date of Boring: 12/09/2014

Description of Strata	Strata Change		Samples		PP kPa (Cu)	Water Level -m	
	Legend	Depth -m		Depth -m			Type
		Scale	Strata				
MADE GROUND Firm dark brown very gravelly TOPSOIL. Gravel is fine to coarse angular of limestone		0.0	0.10-0.40	D			
CORNBRASH Very dense brown sandy fine to coarse angular GRAVEL of limestone <i>Base of borehole at 0.70 m</i>		0.40	0.40-0.70	D			
		0.70				Dry	
		1.0					
		2.0					
		3.0					
		4.0					
		5.0					

<p>Borehole Diameter: 87mm</p> <p>Ground Level: 85.83m AOD</p> <p>Easting: 446341</p> <p>Northing: 216358</p> <p>Instrumentation: Backfilled with arisings</p> <p>Remarks:</p> <ol style="list-style-type: none"> 1. Method of excavation: Continuous tube sampler. 2. No groundwater encountered. 3. No penetration below 0.70m. 4. Logged by Murray Bateman to +A2. 	<ul style="list-style-type: none"> ▽ Water Strike ▼ Water (Standing Level) W Water Sample B Bulk Sample D Small Disturbed Sample U Undisturbed Sample (No. of blows shown in brackets) HV Hand Vane PP Pocket Penetrometer * Extrapolated Value
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BOREHOLE LOG

Report No:
14.08.005a

DPH and SHDP DYNAMIC PROBING

This is a simple test consisting of driving a rod with an oversize point at its base into the ground. A uniform, regular, hammer blow is used. The blow count is recorded for every 100mm of driving (N_{100}) and the results presented as a plot of blow count against depth.

Outside the UK this type of testing has been used extensively in a wide range of formats (ie. various hammer weights, hammer drops, point sizes, etc.) for many years. Since 1985 Dynamic Probing has become widely accepted in this country and the first British Standard for this test was published in 1990.

The standard equipment is a petrol powered unit using a 50kg hammer dropping through 0.50m 32mm diameter rods and a 15cm² area cone. This is the Heavy Dynamic Probe (DPH) and the equipment has been selected for general use as giving a good compromise between sensitivity in loose materials and penetration rates in denser materials. A sacrificial cone is used for each probing. A damper is used between the hammer and anvil.

The Super Heavy Dynamic Probe (DPSH) is a heavier version, using a 63.5kg hammer dropping through 0.75m, 32mm diameter rods and a 20cm² area cone.

The hammer operation is automated and driving is carried out as a continuous operation from ground level without a borehole. The test therefore not only provides a continuous record for the full depth penetration but also avoids many of the problems associated with poor operator technique when carrying out SPTs in boreholes.

Dynamic Probing provides an excellent method for locating boundaries between strata of differing density and driving resistance as well as comparative assessments of a single strata across a site. Comparisons between Dynamic probing results, SPT values and other soil parameters are given in DIN4094. Information on UK practice and correlation data in UK soils was published at the ICE Conference on Penetration Testing in 1988.

The complete machine weights 140kg stands 2.5m high and measures 750mm wide x 850mm deep when erected. For movement between positions the mast is lowered and the machine wheeled on an integral axle. Probing can be carried out within 300mm of a vertical wall.

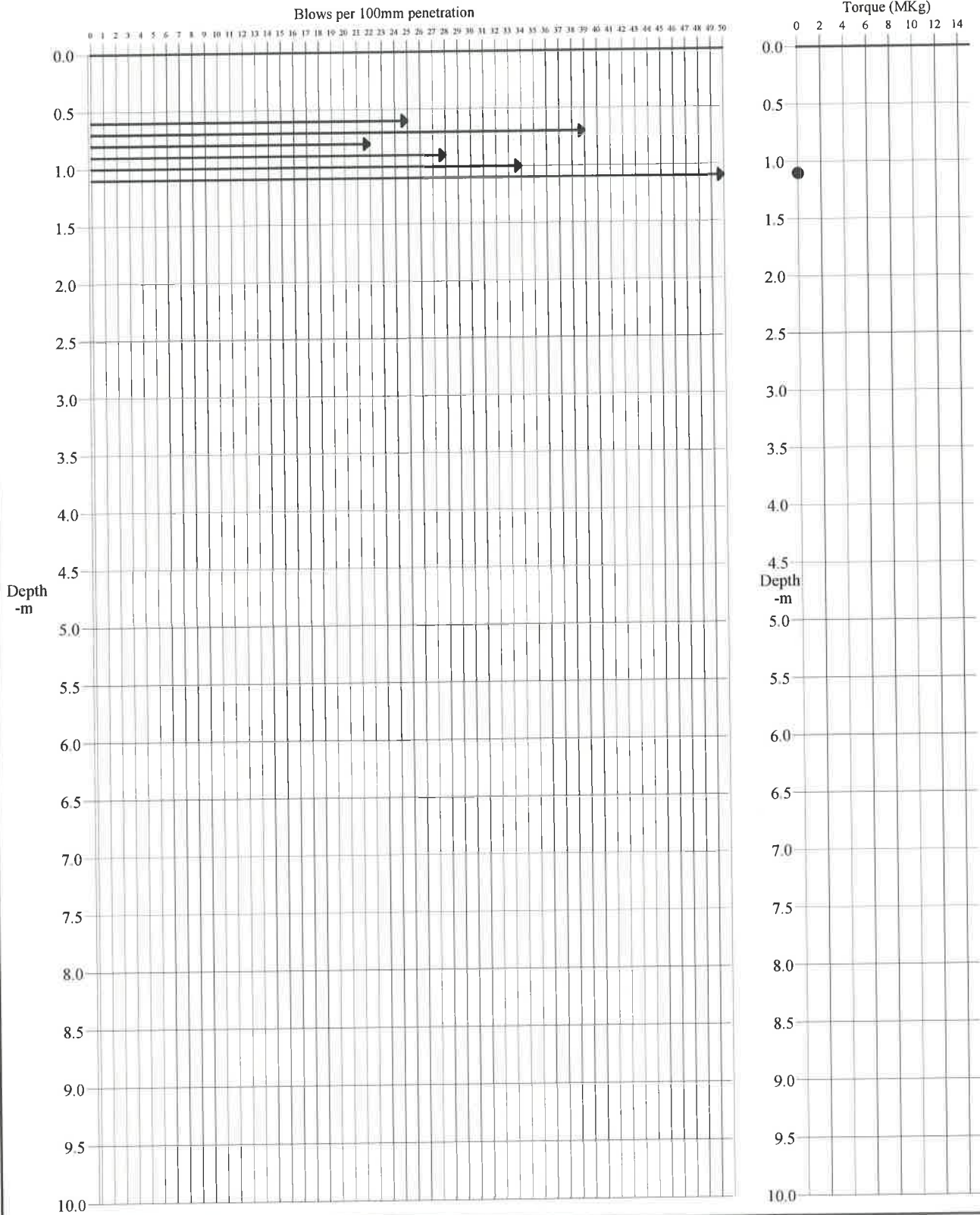
References:

1. Subsoil; exploration by penetration tests -DIN4094. December 1990 (Standard and supplement)
2. Soils for civil engineering purposes. In-situ tests. - BS1377 Part 9 1990
3. Penetration testing in the UK. (Proceedings of the geotechnology conference organised by the Institution of Civil Engineers and held in Birmingham 6-8 July 1988)
4. Code of Practice for Site Investigations – BS5930 1999 Section 4

DPH and SHDP DYNAMIC PROBING

Woodstock, Oxfordshire

Probe: SHDP PA
Date Probed: 08/09/2014

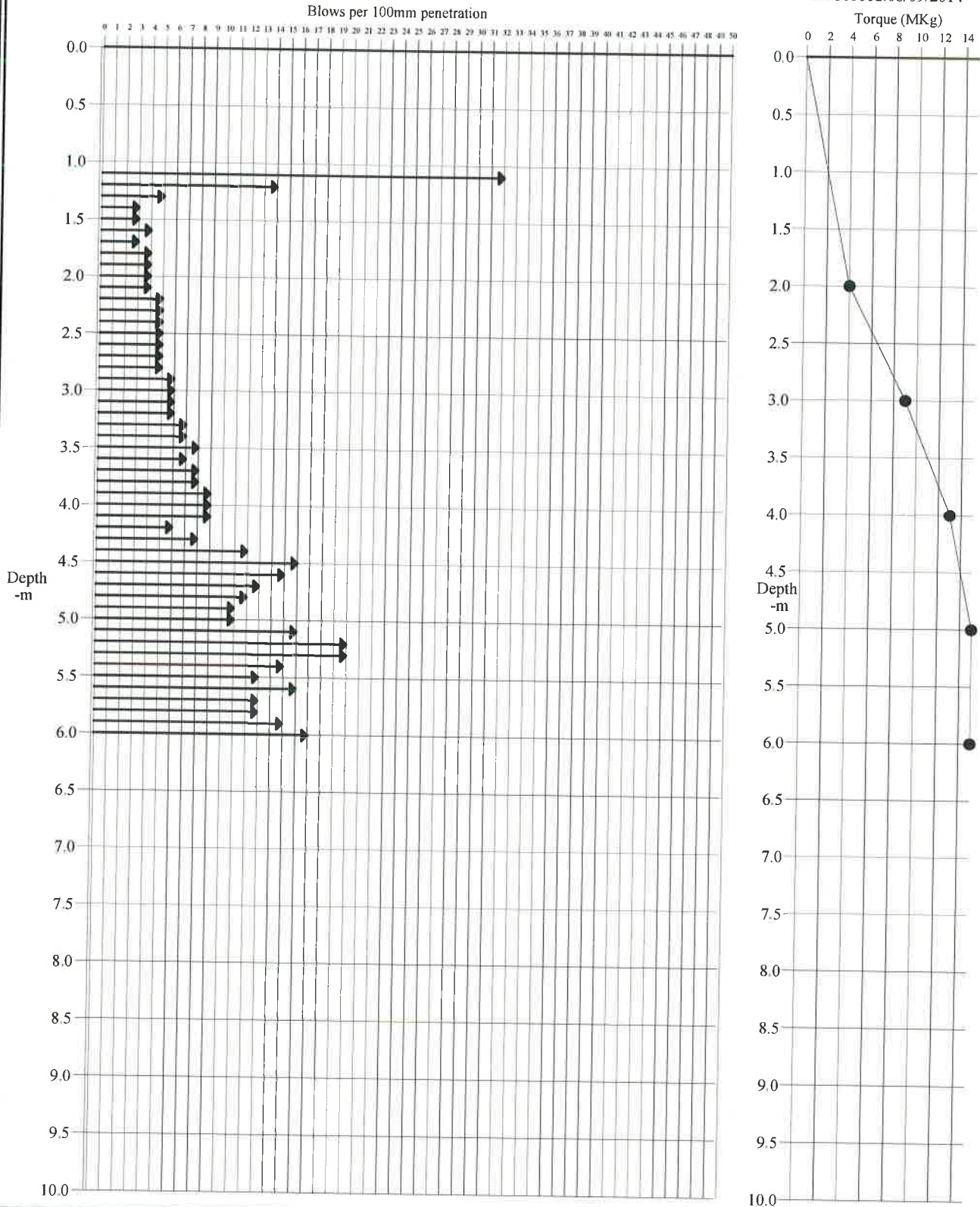


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PAA
Date Probed: 08/09/2014

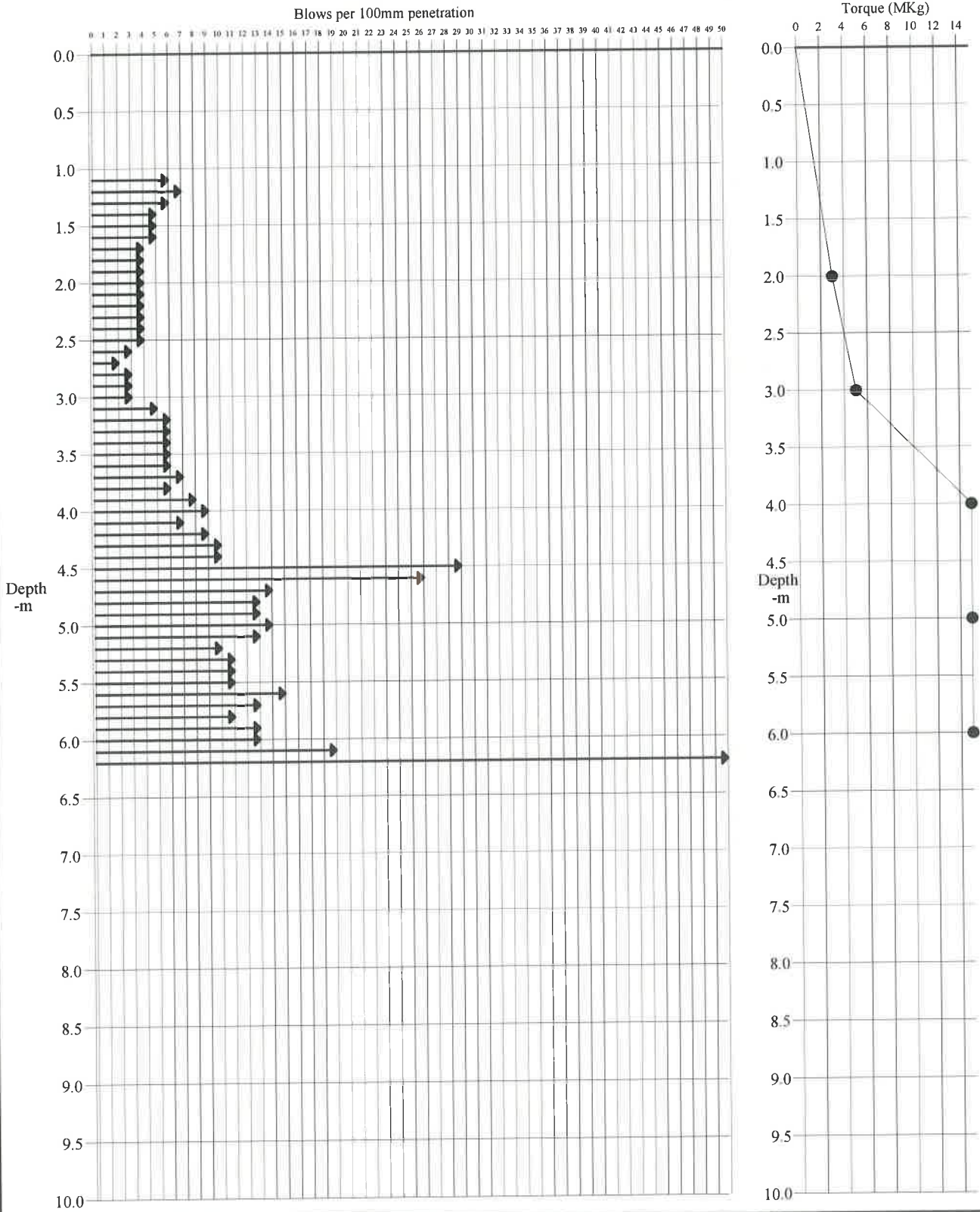


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PB
Date Probed: 08/09/2014

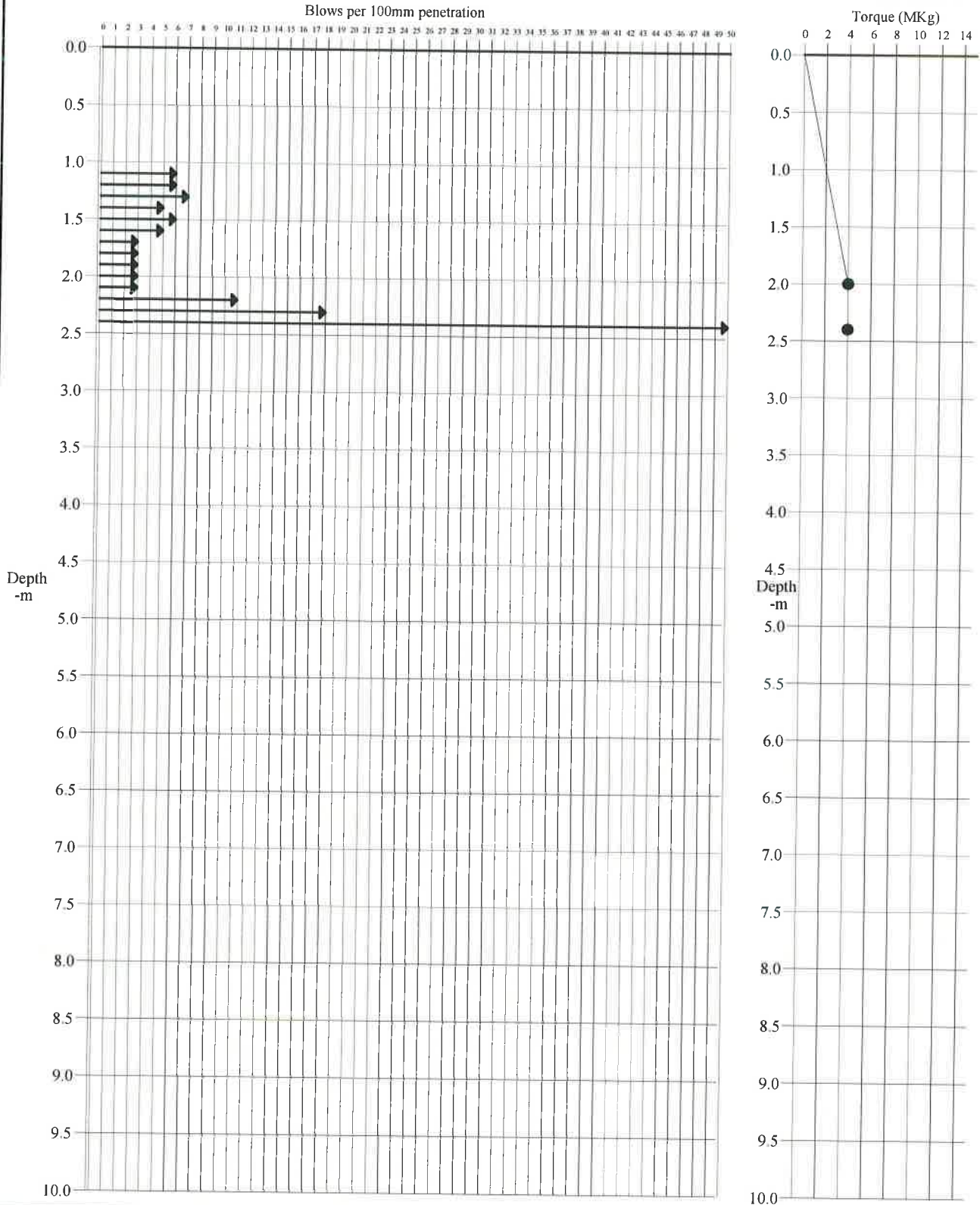


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PC
Date Probed: 08/09/2014

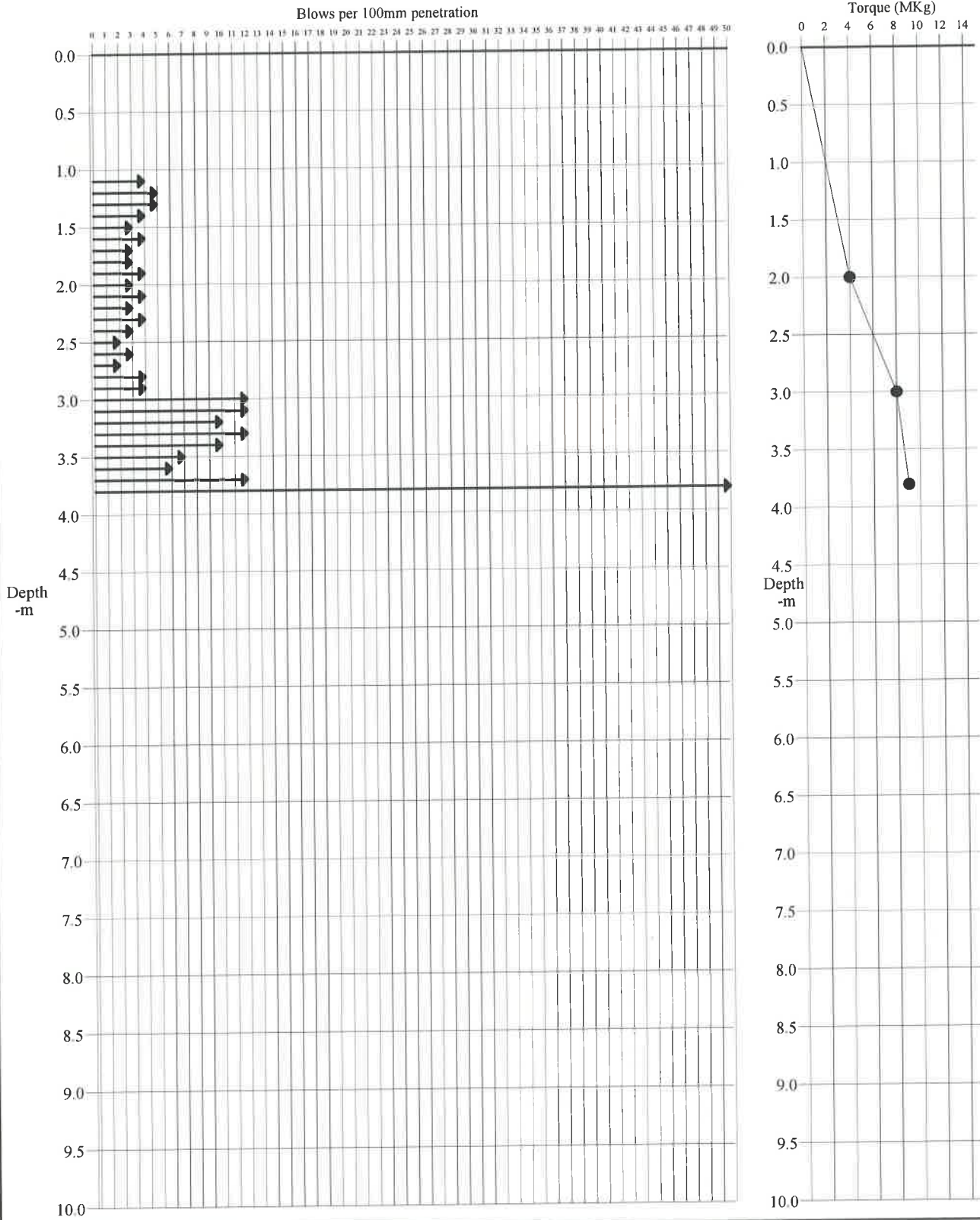


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PD
Date Probed: 08/09/2014



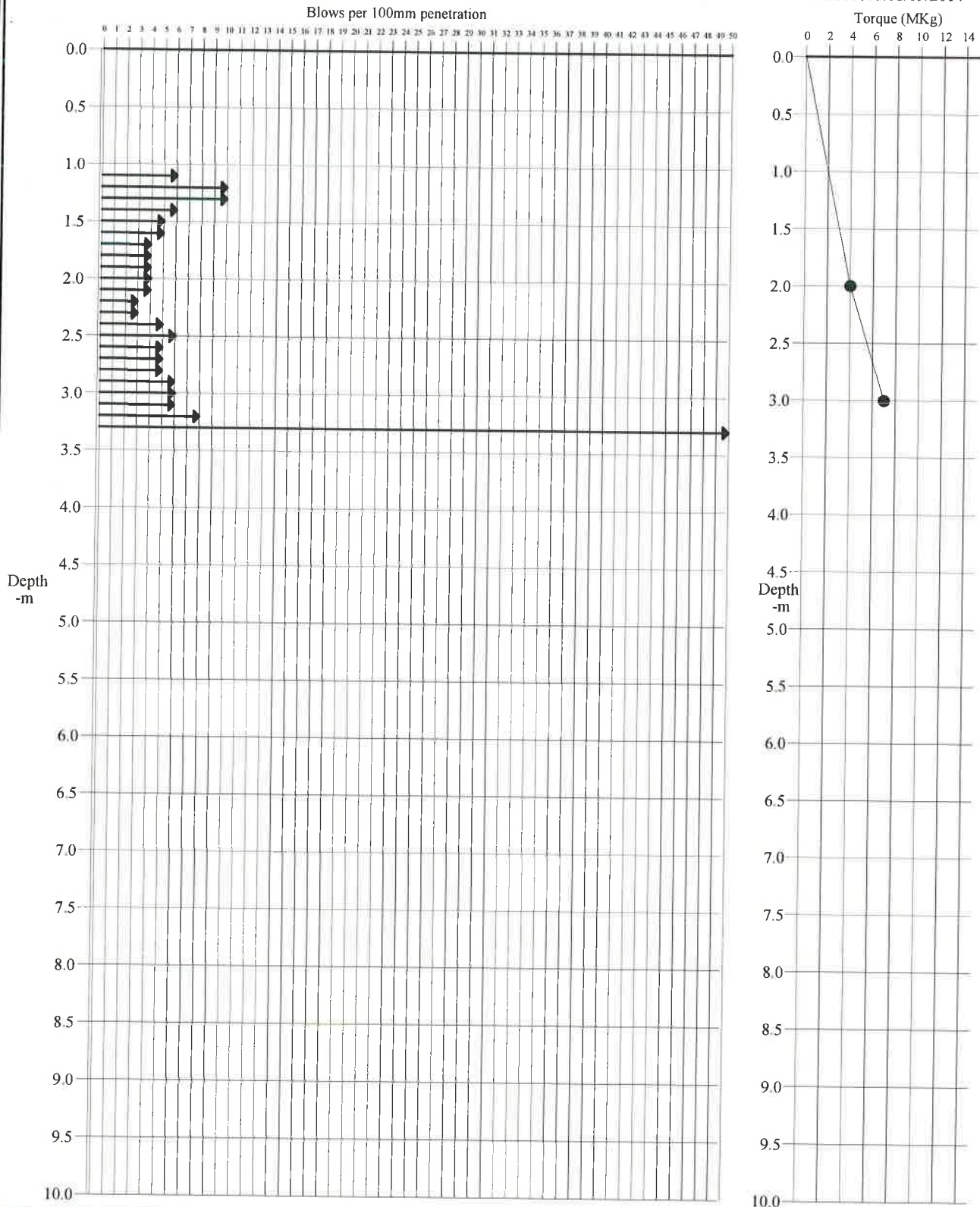
DYNAMIC PROBE / TORQUE

Report No:

14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PE
Date Probed: 08/09/2014

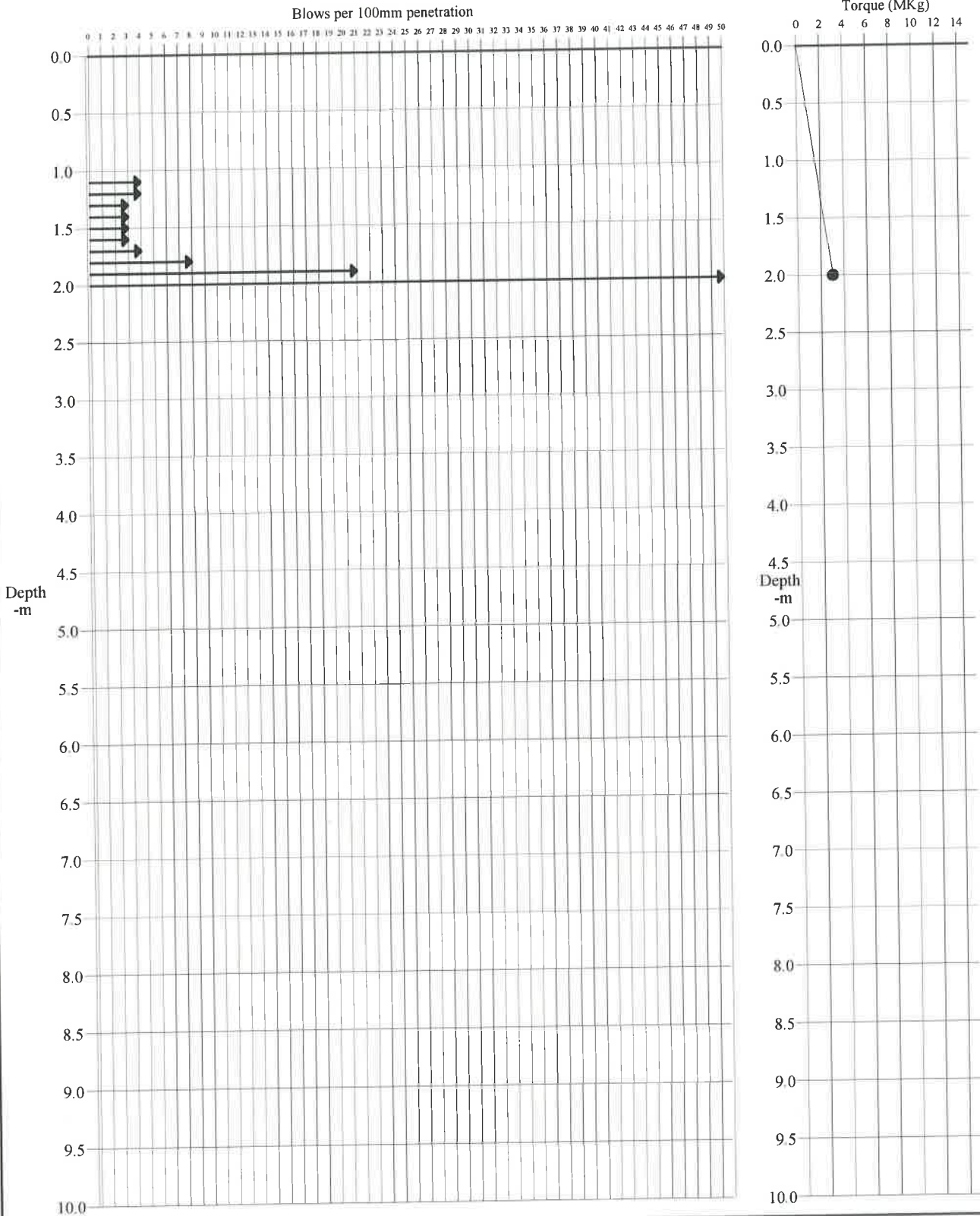


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PF
Date Probed: 08/09/2014

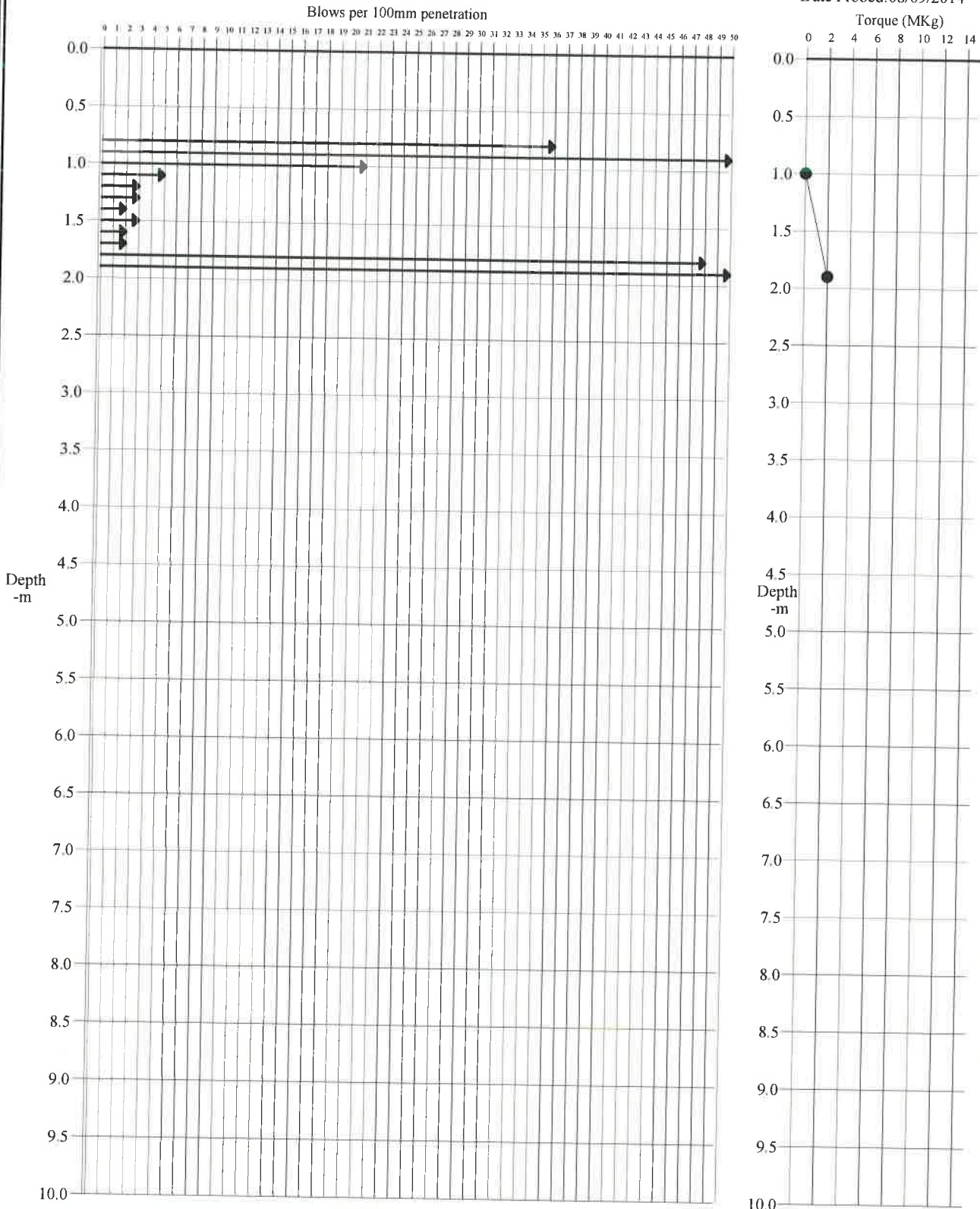


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PG
Date Probed: 08/09/2014

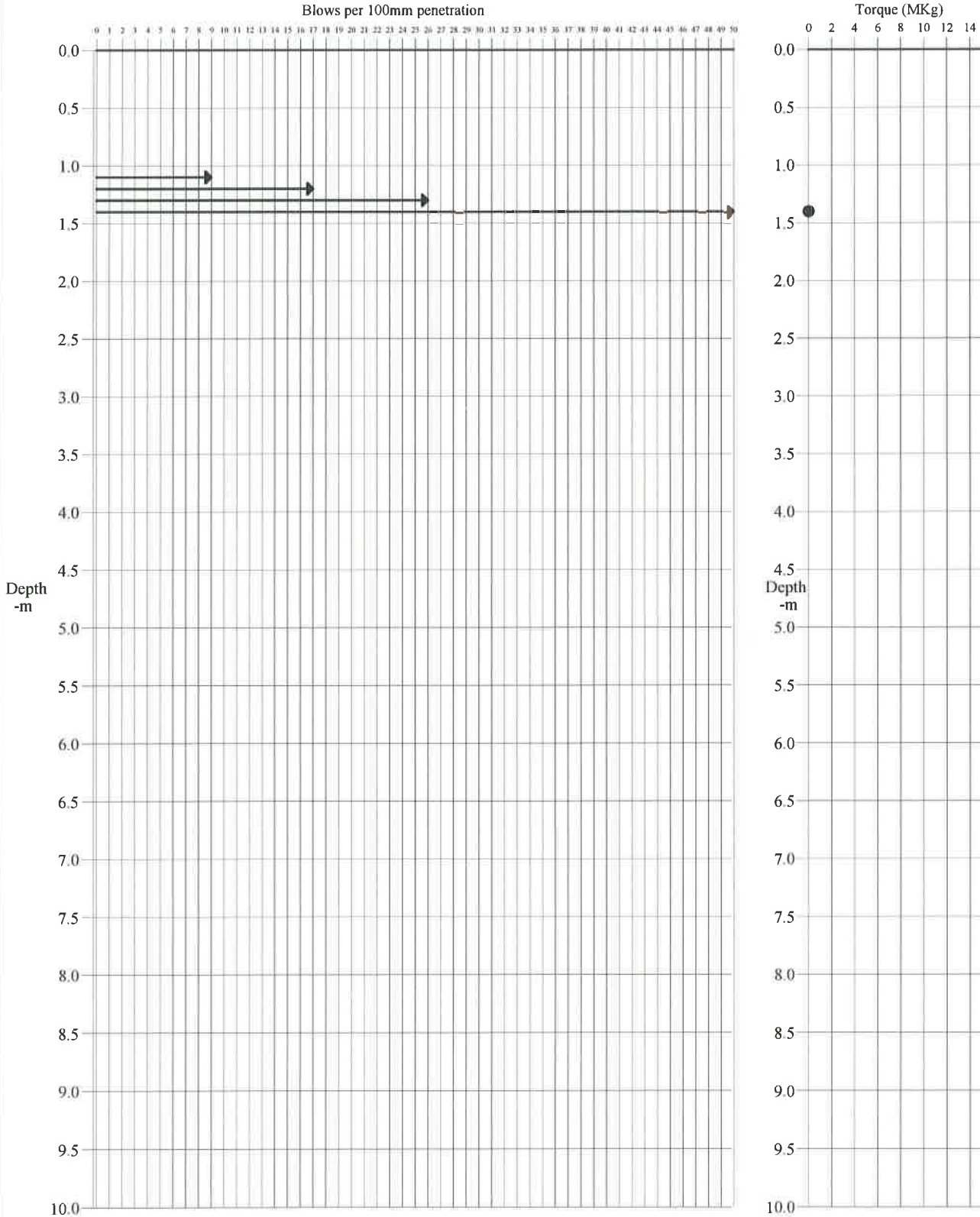


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PH
Date Probed: 08/09/2014

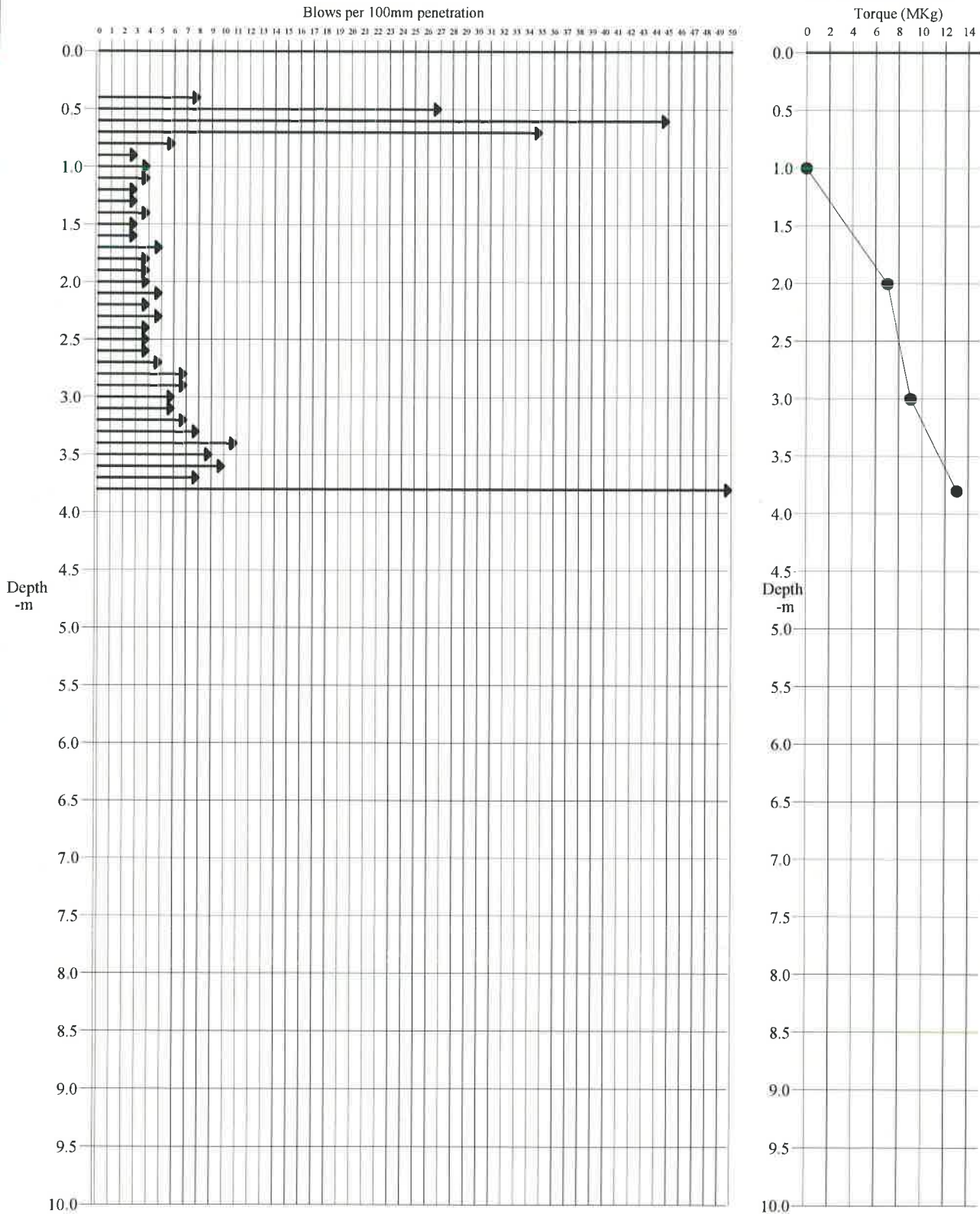


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PI
Date Probed: 08/09/2014

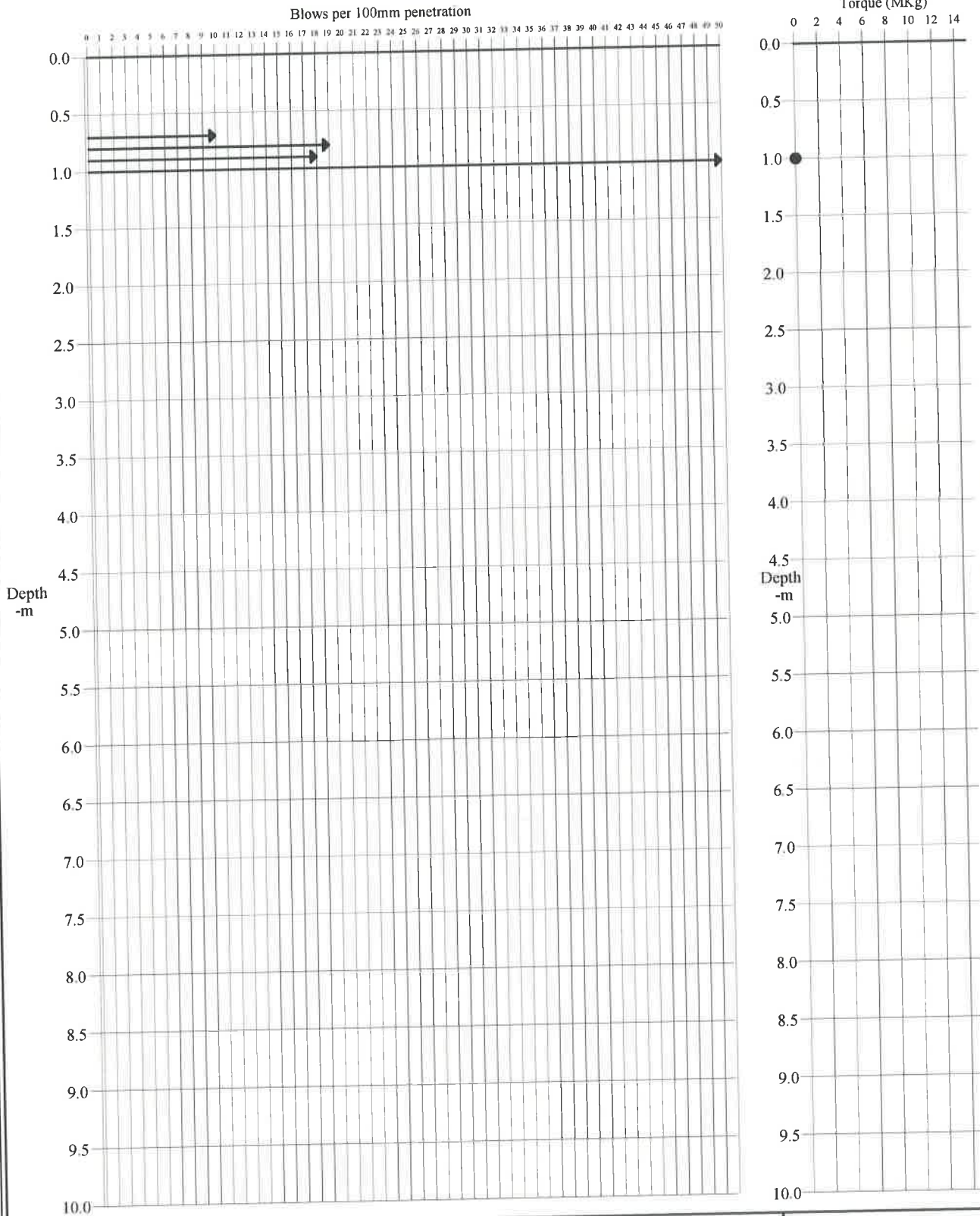


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PJ
Date Probed: 08/09/2014



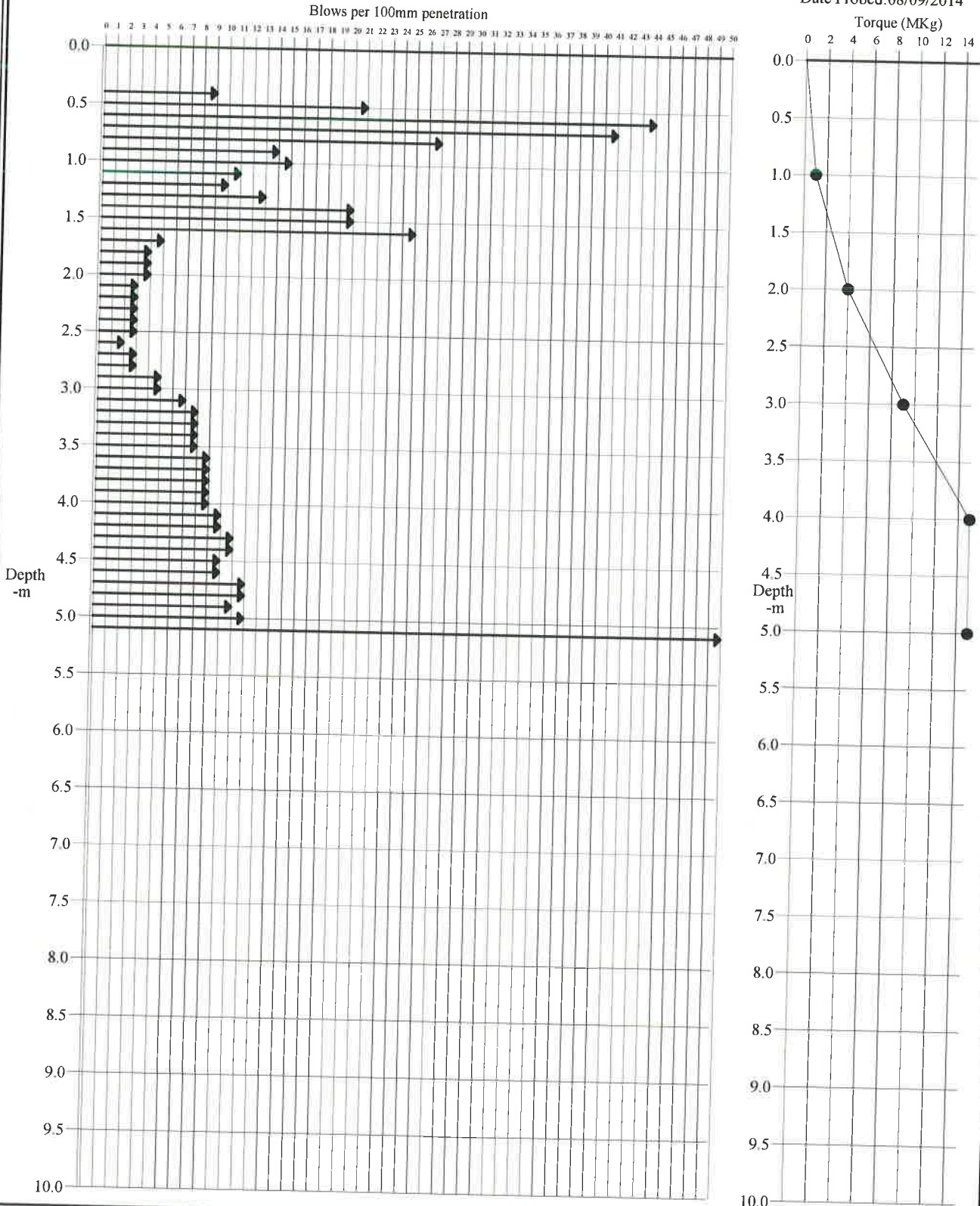
DYNAMIC PROBE / TORQUE

Report No:

14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PK
Date Probed: 08/09/2014

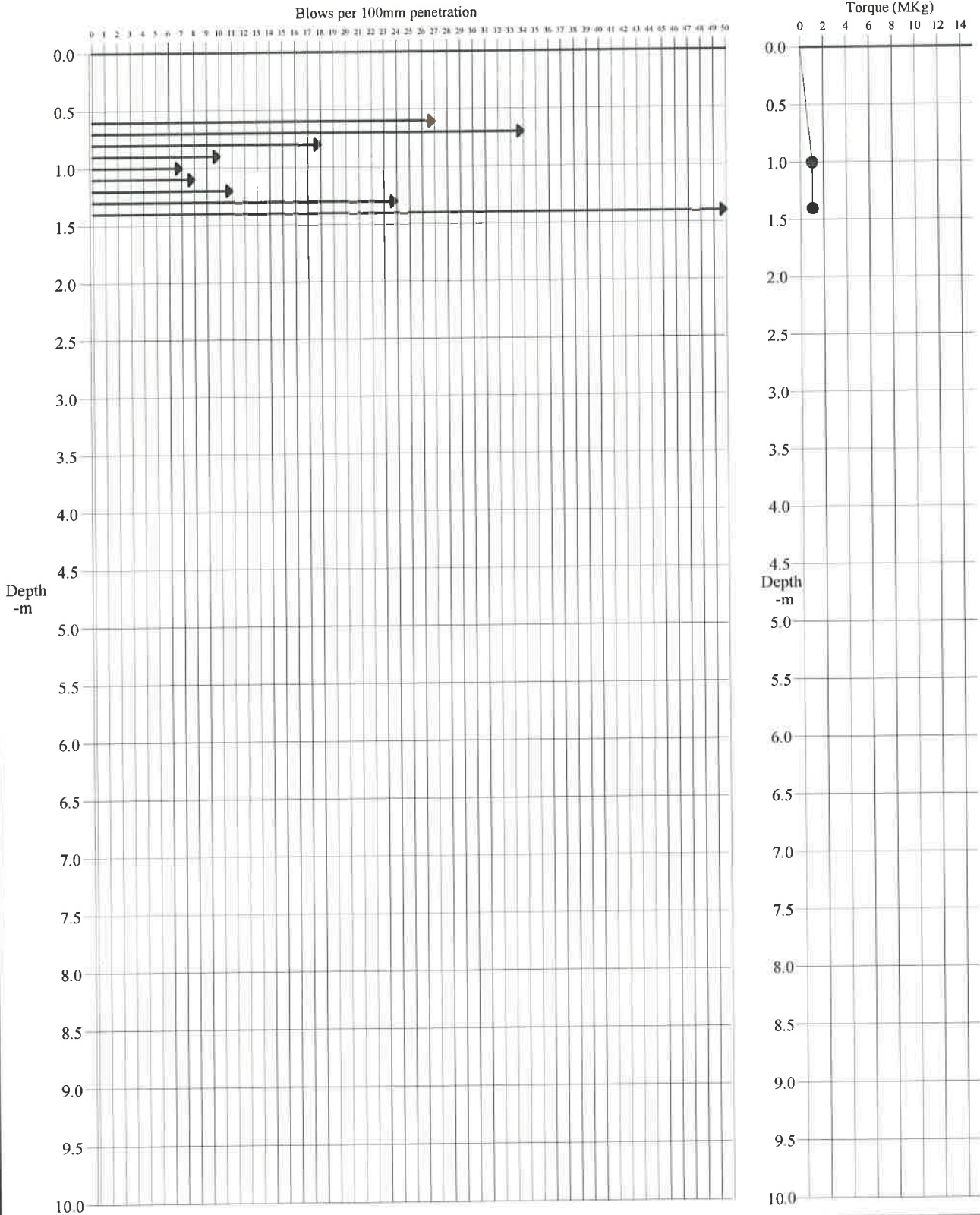


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PL
Date Probed: 08/09/2014

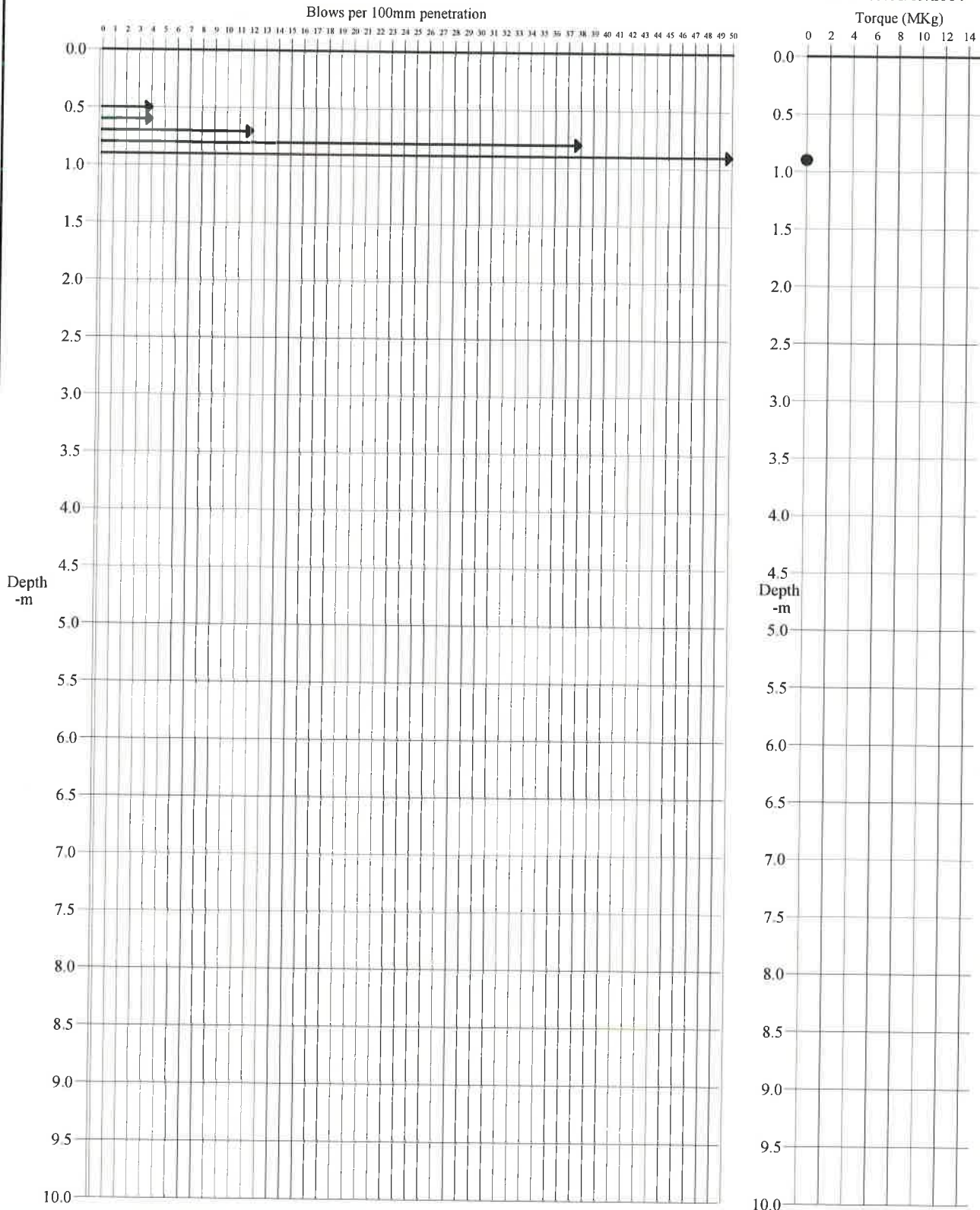


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PM
Date Probed: 08/09/2014

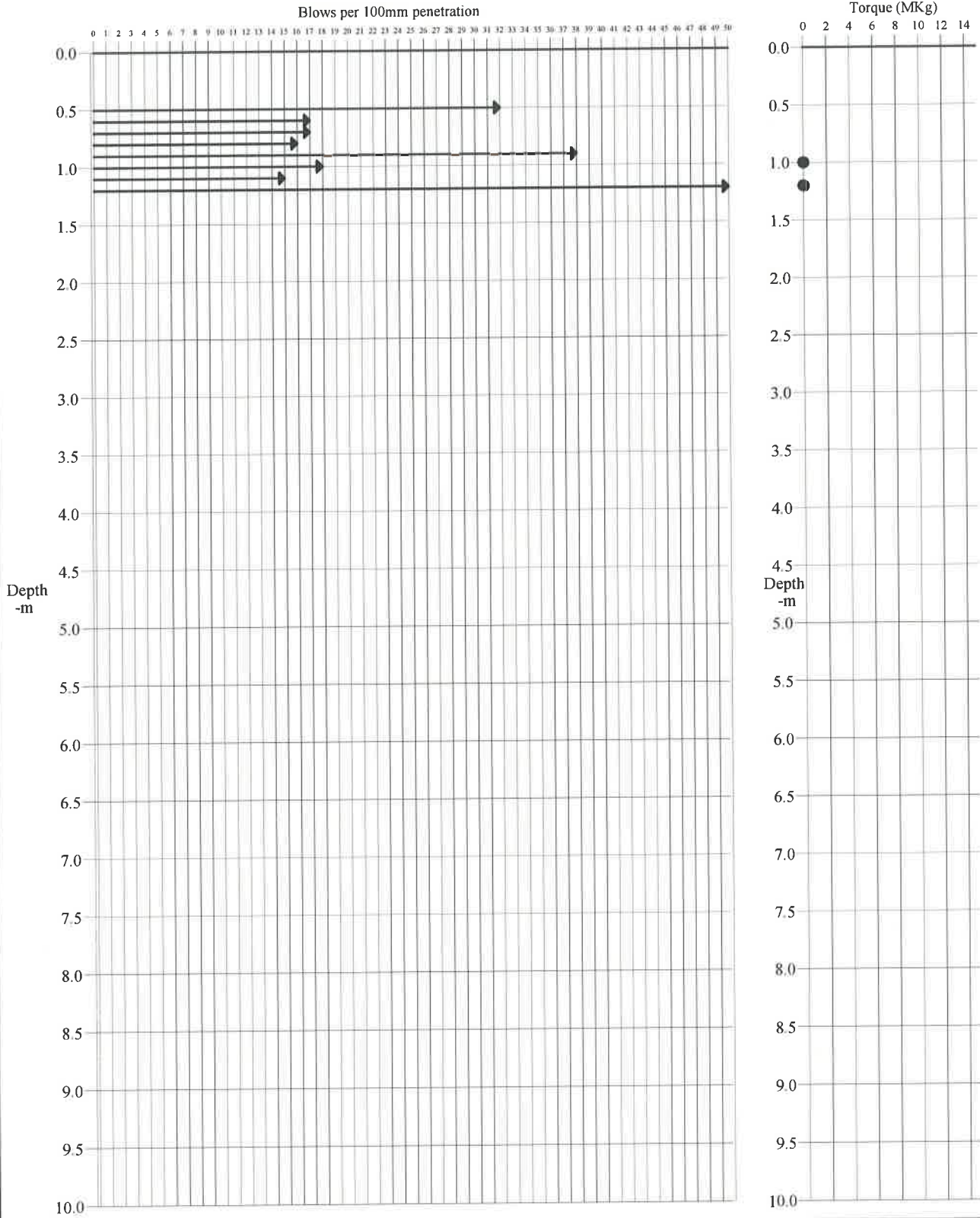


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PN
Date Probed: 08/09/2014

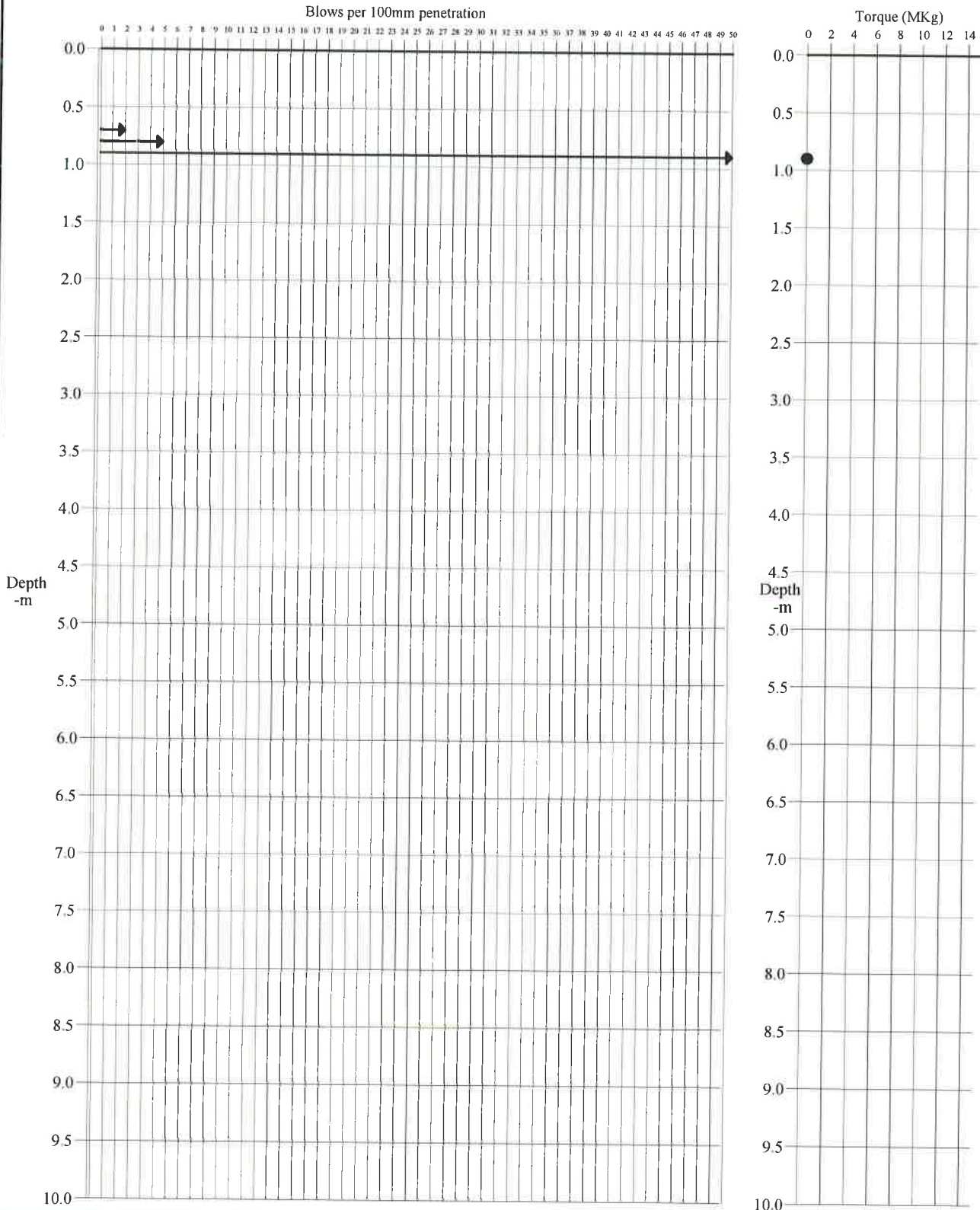


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PQ
Date Probed: 08/09/2014

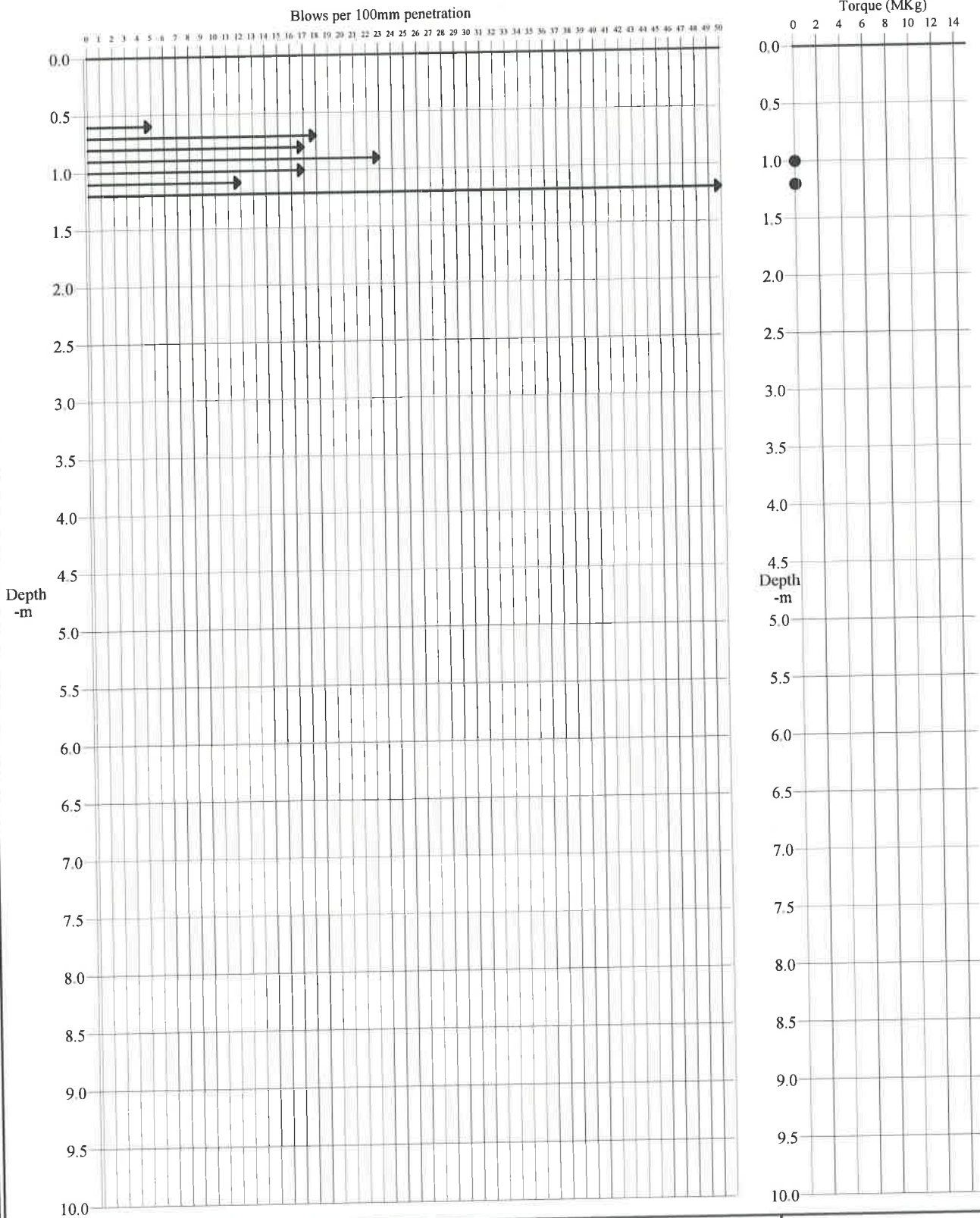


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PP
Date Probed: 08/09/2014

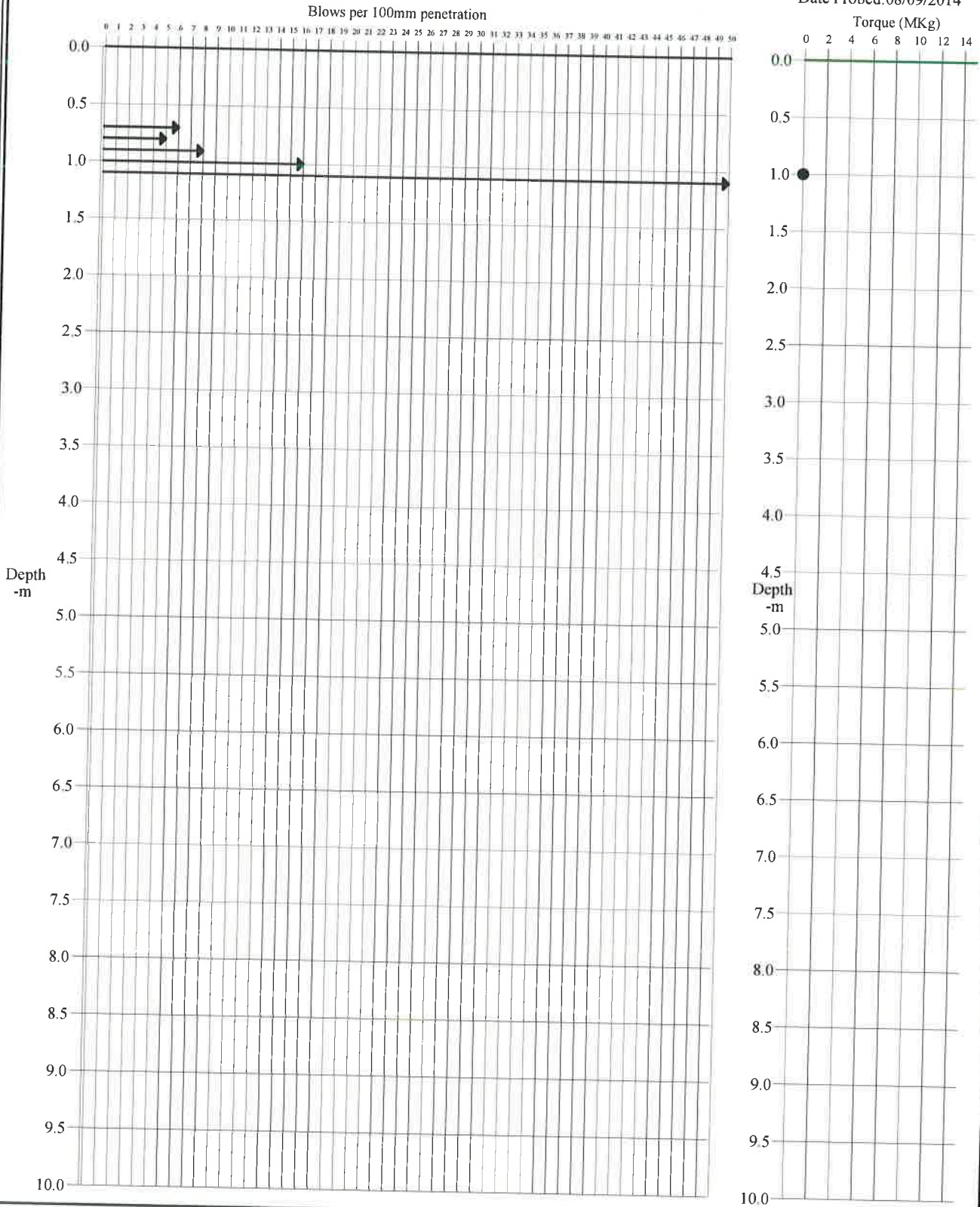


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PR
Date Probed: 08/09/2014

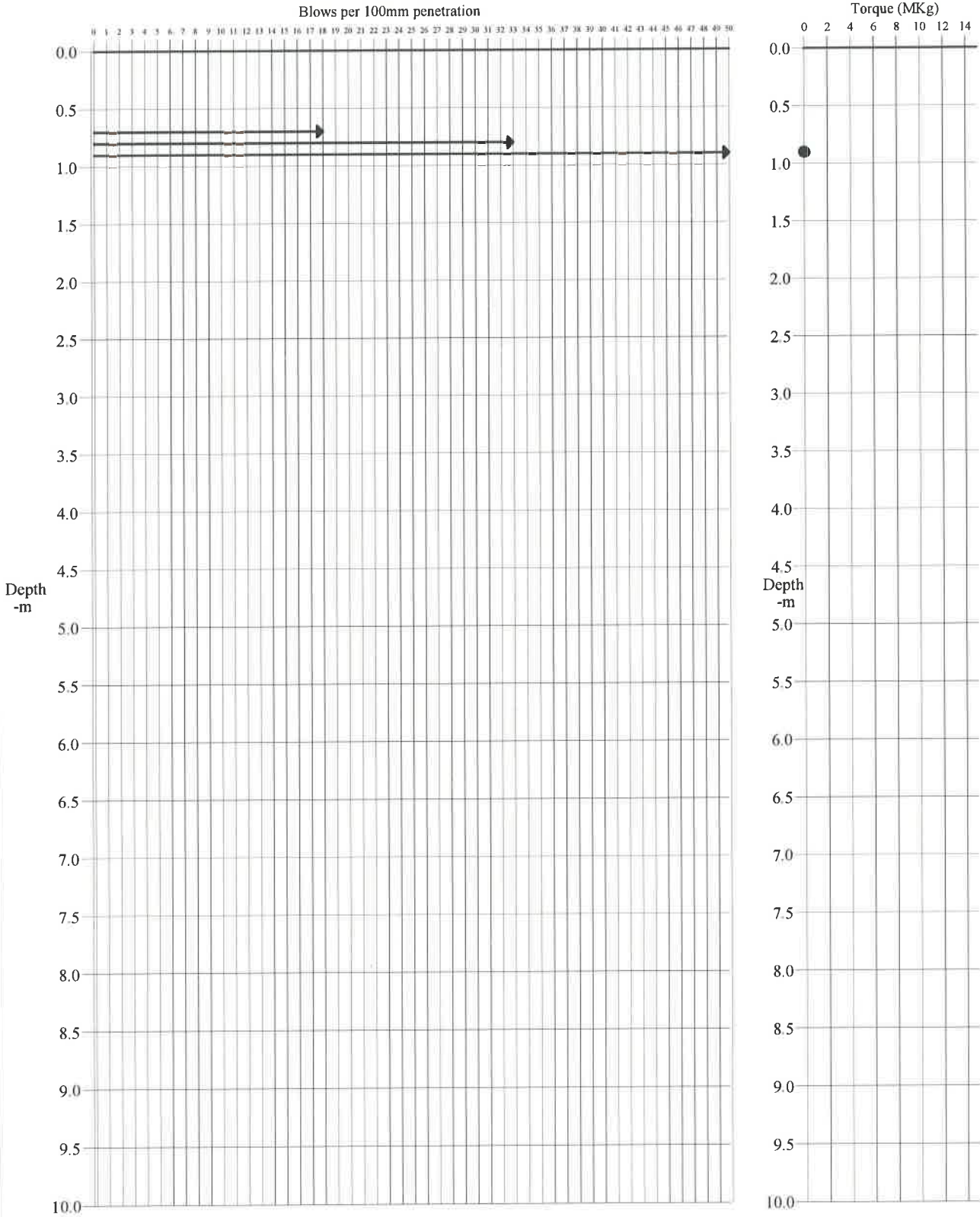


DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Woodstock, Oxfordshire

Probe: SHDP PS
Date Probed: 08/09/2014



DYNAMIC PROBE / TORQUE

Report No:
14.08.005a

Listers Geotechnical Consultants
 Slapton hill Barn
 Slapton
 01327 860060
 info@listersgeotechnics.co.uk

**Dynamic
 Plate Load Test
 according to
 TP BF-StB Part B 8.3**

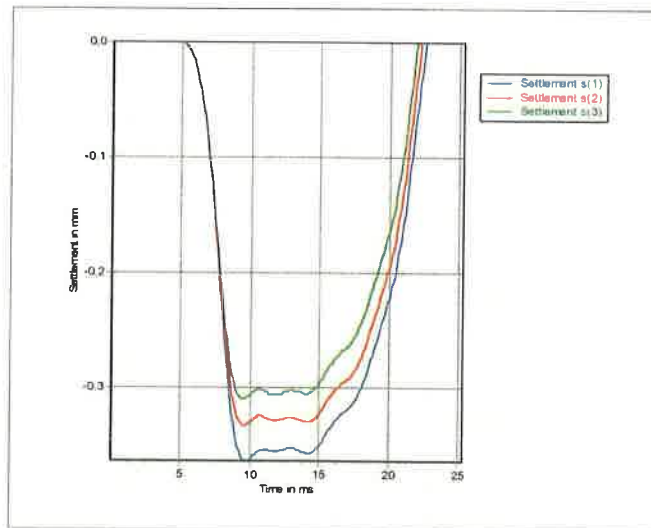
West Waddy ADP LLP
 Steve Pickles
 01235 523139

Project No.	14-08-005a	Date/Time	11.09.2014/10:37
Measuring series	001	Measuring point	CBR 1 at 0.50
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 4
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 0,364 mm	v(1)= 153,5mm/s	<u>s/v= 2,34 ms</u>
	s(2)= 0,333 mm	v(2)= 142,4mm/s	
	s(3)= 0,310 mm	v(3)= 134,7mm/s	<u>Evd= 66,96 MN/m²</u>
	s(m)= 0,336 mm	v(m)= 143,6mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 45%

15/09/2014

Place and date

Signature

Listers Geotechnical Consultants
 Slapton hill Barn
 Slapton
 01327 860060
 info@listersgeotechnics.co.uk

**Dynamic
 Plate Load Test
 according to
 TP BF-StB Part B 8.3**

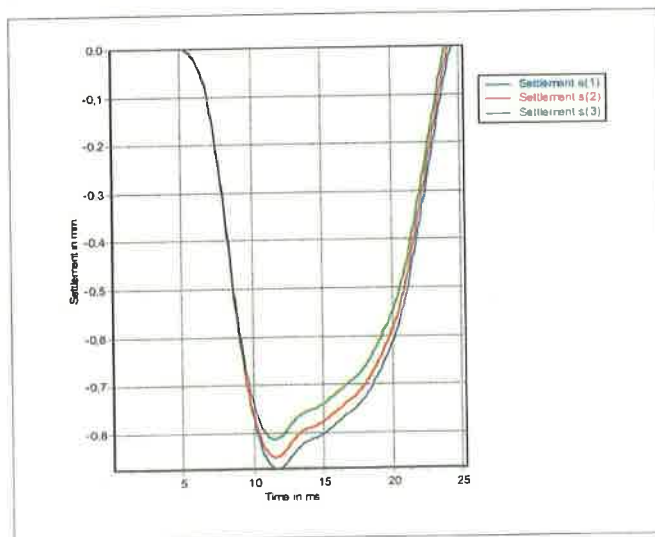
West Waddy ADP LLP
 Steve Pickles
 01235 523139

Project No.	14-08-005a	Date/Time	11.09.2014/11:05
Measuring series	002	Measuring point	CBR 2 at 0.50
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 6
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 0,874 mm	v(1)= 272,0mm/s	<u>s/v= 3,15 ms</u>
	s(2)= 0,850 mm	v(2)= 270,0mm/s	
	s(3)= 0,813 mm	v(3)= 261,3mm/s	<u>Evd= 26,60 MN/m²</u>
	s(m)= 0,846 mm	v(m)= 267,8mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 27%

15/09/2014

Place and date

Signature

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 01327 860060
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**Dynamic
 Plate Load Test
 according to
 TP BF-StB Part B 8.3**

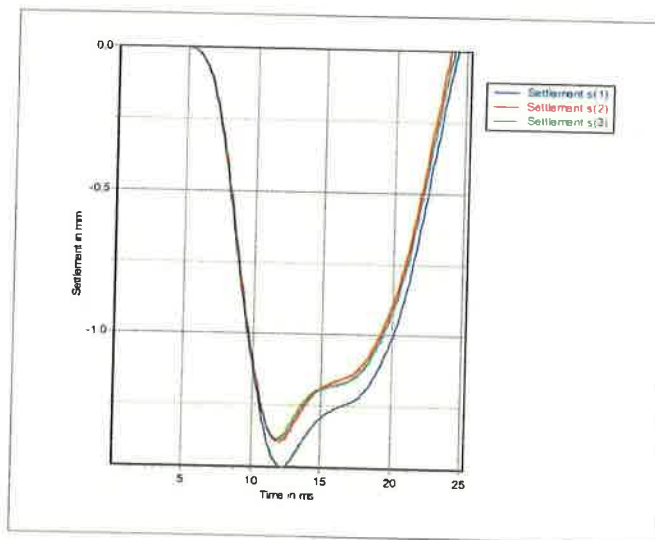
West Waddy ADP LLP
 Steve Pickles
 01235 523139

Project No.	14-08-005a	Date/Time	11.09.2014/11:39
Measuring series	003	Measuring point	CBR 3 at 0.40
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 11
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 1,468 mm	v(1)= 372,7mm/s	<u>s/v= 3,81 ms</u>
	s(2)= 1,380 mm	v(2)= 364,9mm/s	
	s(3)= 1,369 mm	v(3)= 368,5mm/s	<u>Evd= 16,00 MN/m²</u>
	s(m)= 1,406 mm	v(m)= 368,7mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 7%

15/09/2014

Place and date

[Signature area]

Signature

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**Dynamic
 Plate Load Test
 according to
 TP BF-StB Part B 8.3**

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Project No.	14-08-005a	Date/Time	11.09.2014/12:07
Measuring series	004	Measuring point	CBR 4 at 0.40
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 12
Device No.	08342

Measuring data

Settlement

Velocity

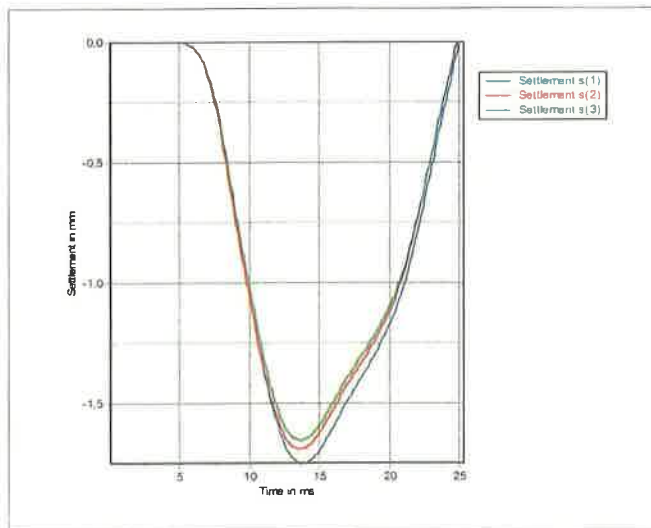
s(1)= 1,747 mm
 s(2)= 1,690 mm
 s(3)= 1,653 mm
 s(m)= **1,697 mm**

v(1)= 353,7mm/s
 v(2)= 348,9mm/s
 v(3)= 341,5mm/s
 v(m)= **348,0mm/s**

s/v= 4,87 ms

Evd= 13,26 MN/m²

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 6%

15/09/2014

Place and date

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**Dynamic
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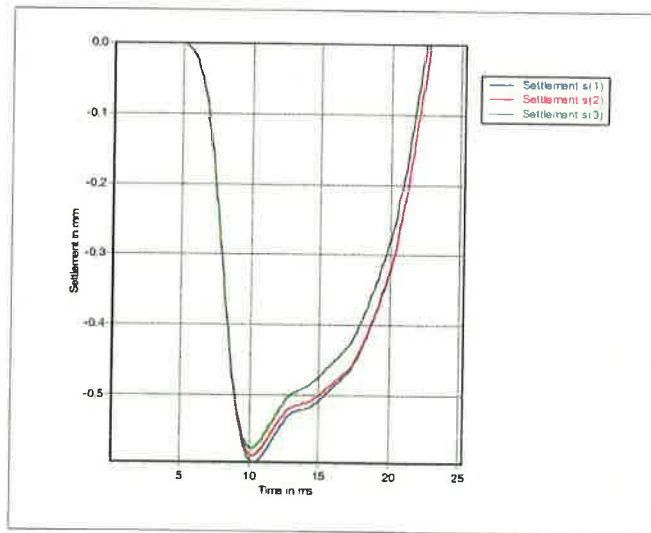
West Waddy ADP LLP
 Steve Pickles
 01235 523139

Project No.	14-08-005a	Date/Time	12.09.2014/09:35
Measuring series	008	Measuring point	CBR 8 at 0.40
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 15
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 0,596 mm	v(1)= 233,0mm/s	<u>s/v= 2,52 ms</u>
	s(2)= 0,587 mm	v(2)= 232,7mm/s	
	s(3)= 0,576 mm	v(3)= 231,7mm/s	<u>Evd= 38,40 MN/m²</u>
	s(m)= 0,586 mm	v(m)= 232,4mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 22%

15/09/2014

Place and date

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**Dynamic
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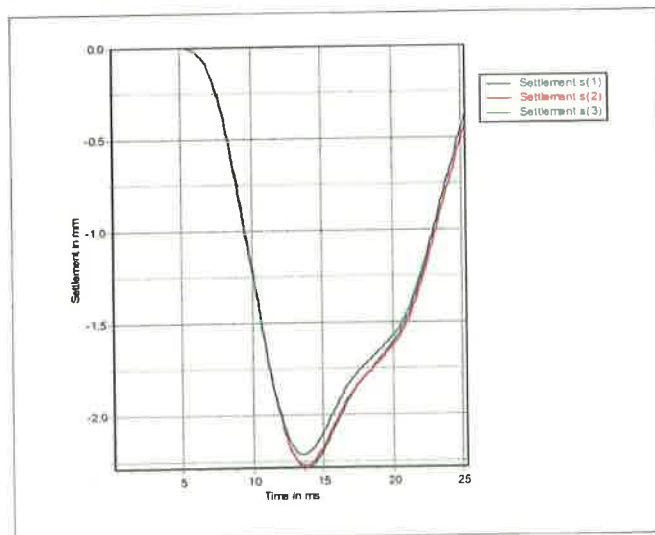
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Project No.	14-08-005a	Date/Time	12.09.2014/10:21
Measuring series	009	Measuring point	CBR 9 at 0.30
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 23
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 2,283 mm	v(1)= 456,8mm/s	<u>s/v= 4,95 ms</u>
	s(2)= 2,272 mm	v(2)= 458,3mm/s	
	s(3)= 2,213 mm	v(3)= 450,2mm/s	<u>Evd= 9,97 MN/m²</u>
	s(m)= 2,256 mm	v(m)= 455,1mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 4%

15/09/2014

Place and date

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**Dynamic
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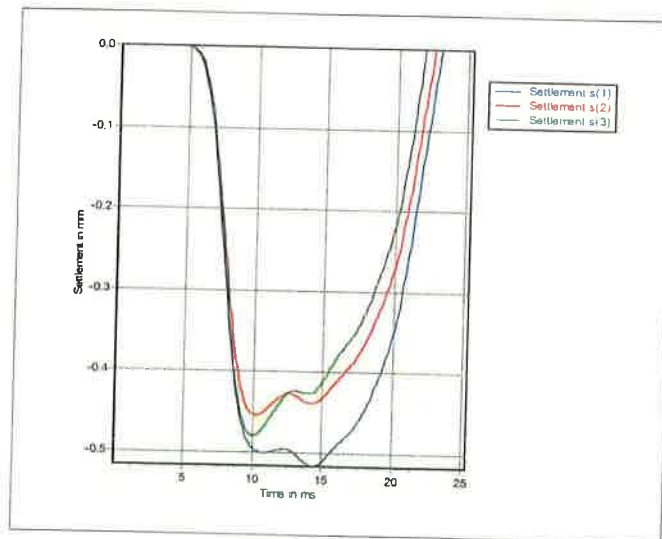
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Project No.	14-08-005a	Date/Time	11.09.2014/14:13
Measuring series	007	Measuring point	CBR 7 at 0.40
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 24
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 0,516 mm	v(1)= 194,1mm/s	<u>s/v= 2,53 ms</u>
	s(2)= 0,454 mm	v(2)= 180,1mm/s	
	s(3)= 0,480 mm	v(3)= 196,7mm/s	<u>Evd= 46,58 MN/m²</u>
	s(m)= 0,483 mm	v(m)= 190,3mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 28%

15/09/2014

Place and date

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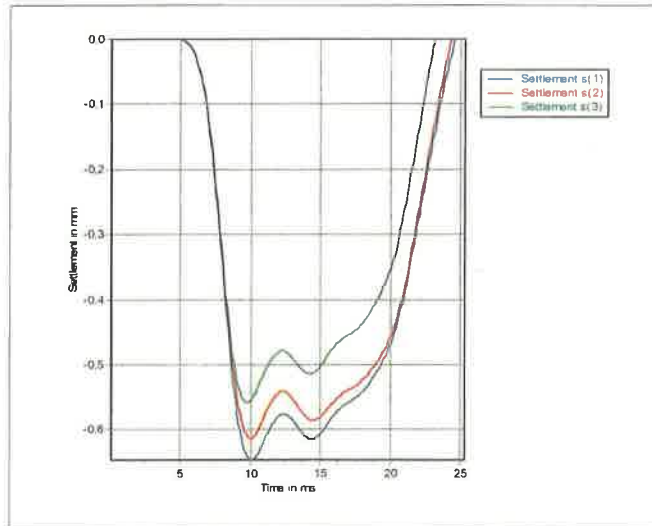
West Waddy ADP LLP
 Steve Pickles
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Project No.	14-08-005a	Date/Time	11.09.2014/13:52
Measuring series	006	Measuring point	CBR 6 at 0.45
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 27
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 0,646 mm	v(1)= 257,7mm/s	<u>s/v= 2,44 ms</u>
	s(2)= 0,614 mm	v(2)= 249,2mm/s	
	s(3)= 0,558 mm	v(3)= 236,7mm/s	<u>Evd= 37,13 MN/m²</u>
	s(m)= 0,606 mm	v(m)= 247,8mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks
 CBR Equivalent = 19%

15/09/2014

Place and date

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**Dynamic
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 according to
 TP BF-StB Part B 8.3**

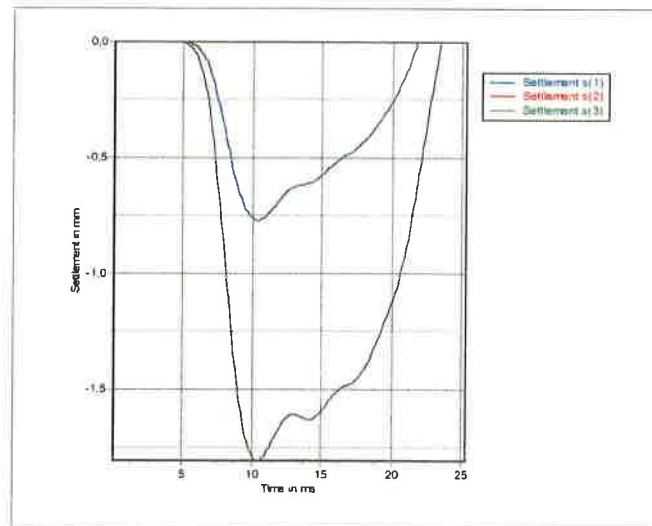
West Waddy ADP LLP
 Steve Pickles
 01235 523139

Project No.	14-08-005a	Date/Time	12.09.2014/11:37
Measuring series	012	Measuring point	CBR 12 at 0.40
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 33
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 0,769 mm	v(1)= 284,7mm/s	<u>s/v= 111,59 ms</u>
	s(2)= 65,530 mm	v(2)= 39,5mm/s	
	s(3)= 0,754 mm	v(3)= 276,7mm/s	<u>Evd= 1,01 MN/m²</u>
	s(m)= 22,351 mm	v(m)= 200,3mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks CBR Equivalent = 0%

15/09/2014

Place and date

Signature

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**Dynamic
 Plate Load Test
 according to
 TP BF-StB Part B 8.3**

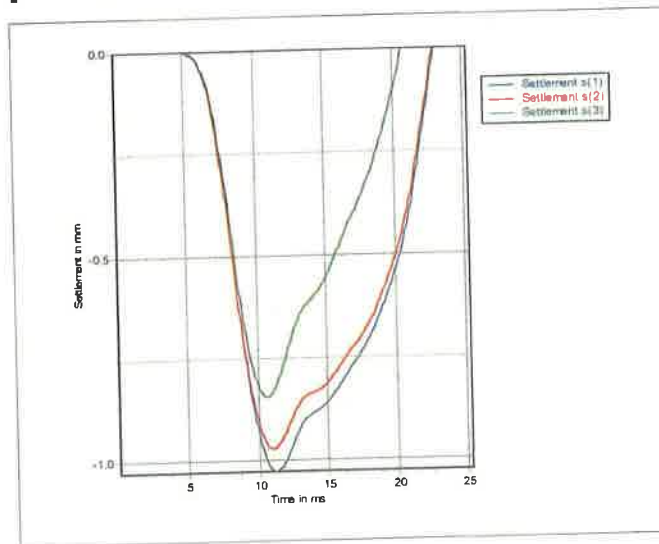
West Waddy ADP LLP
 Steve Pickles
 01235 523139

Project No.	14-08-005a	Date/Time	11.09.2014/12:51
Measuring series	005	Measuring point	CBR 5 at 0.40
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 35
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 1,027 mm	v(1)= 320,9mm/s	<u>s/v= 3,04 ms</u>
	s(2)= 0,972 mm	v(2)= 315,4mm/s	
	s(3)= 0,845 mm	v(3)= 296,4mm/s	<u>Evd= 23,73 MN/m²</u>
	s(m)= 0,948 mm	v(m)= 310,9mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 12%

15/09/2014

Place and date

Signature

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**Dynamic
 Plate Load Test
 according to
 TP BF-StB Part B 8.3**

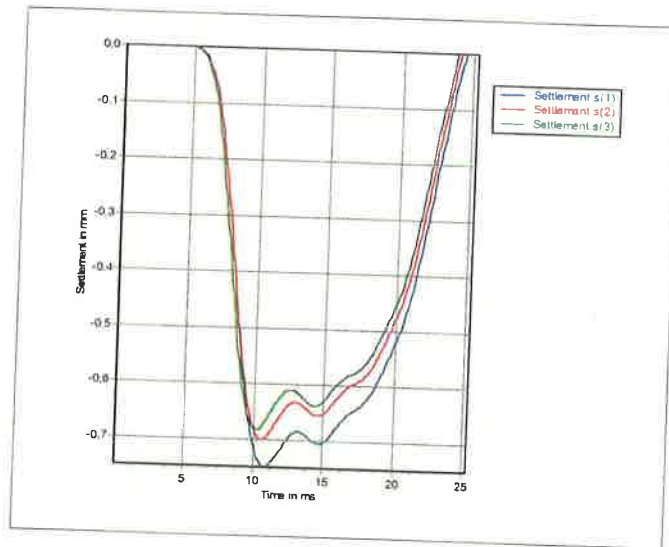
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 Steve Pickles
 01235 523139

Project No.	14-08-005a	Date/Time	12.09.2014/11:14
Measuring series	011	Measuring point	CBR 11 at 0.40
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 37
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 0,749 mm	v(1)= 259,2mm/s	<u>s/v= 2,76 ms</u>
	s(2)= 0,701 mm	v(2)= 251,6mm/s	
	s(3)= 0,683 mm	v(3)= 259,5mm/s	<u>Evd= 31,65 MN/m²</u>
	s(m)= 0,711 mm	v(m)= 256,8mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 17%

15/09/2014

Place and date

Signature

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**Dynamic
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according to
TP BF-StB Part B 8.3**

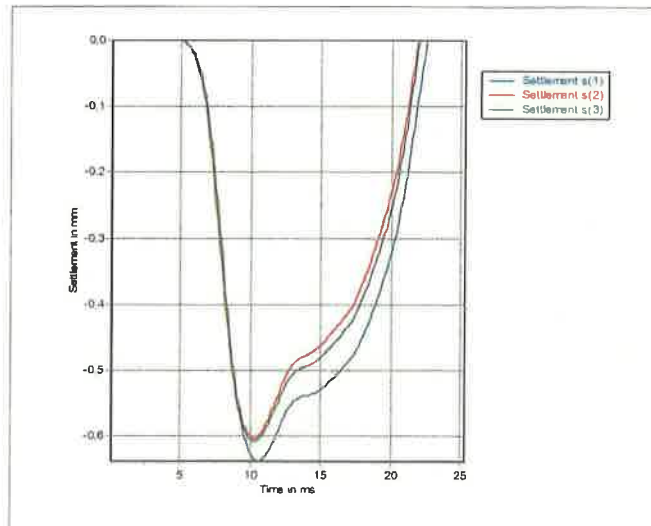
West Waddy ADP LLP
Steve Pickles
01235 523139

Project No.	14-08-005a	Date/Time	12.09.2014/10:54
Measuring series	010	Measuring point	CBR 10 at 0.40
Person	Murry Bateman	Temperature/Weather	

Name	West Waddy ADP LLP
Project	Woodstock, Oxfordshire, OX20 1QR
Number	TP 40
Device No.	08342

Measuring data	Settlement	Velocity	
	s(1)= 0,638 mm	v(1)= 238,8mm/s	<u>s/v= 2,59 ms</u>
	s(2)= 0,604 mm	v(2)= 237,4mm/s	
	s(3)= 0,608 mm	v(3)= 236,8mm/s	<u>Evd= 36,47 MN/m²</u>
	s(m)= 0,617 mm	v(m)= 237,6mm/s	

Settlement[mm]-Time[ms]-Chart



Remarks

CBR Equivalent = 20%

15/09/2014

Place and date

Signature

LISTERS



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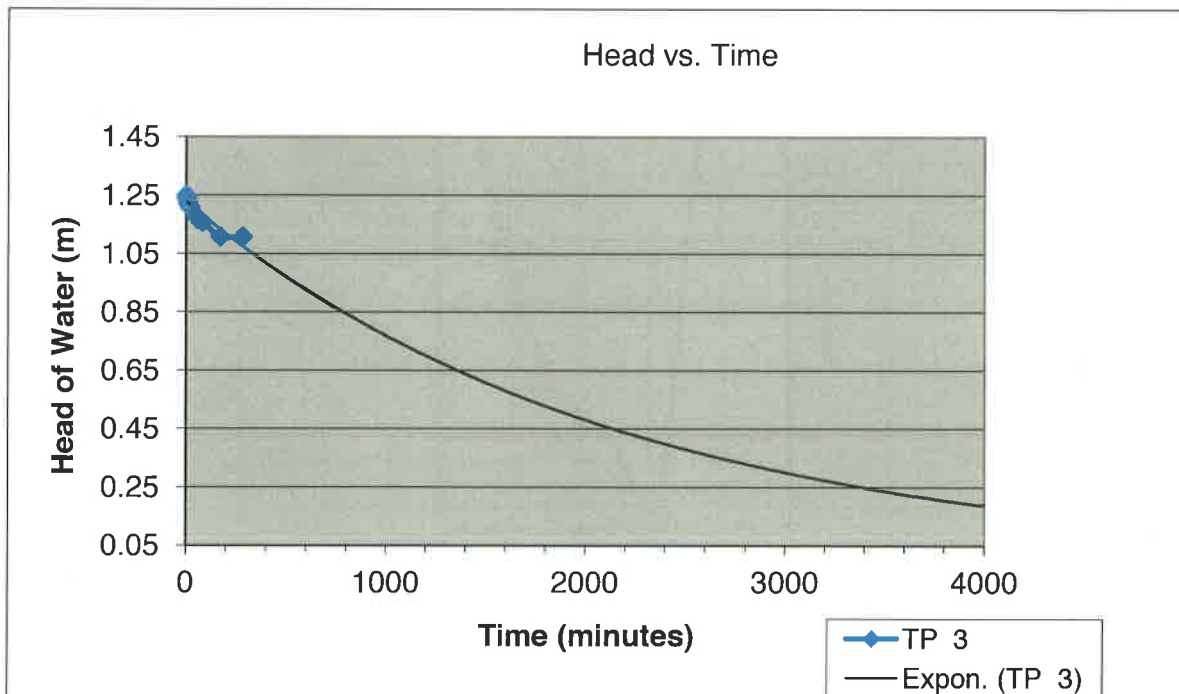
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	9th Sept 2014
Dimensions:	0.8m x 2.0m x 2.9m	Test Location:	TP 3

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.75	6	0.77	55	0.83
1	0.76	7	0.77	60	0.83
2	0.76	8	0.77	80	0.84
3	0.76	9	0.78	170	0.89
4	0.76	10	0.78	280	0.89

Calculated Average Soil Infiltration Rate = 1.46×10^{-6} m/s



Comments: EXTREME CAUTION - Results extrapolated due to slow infiltration rate.

LISTERS



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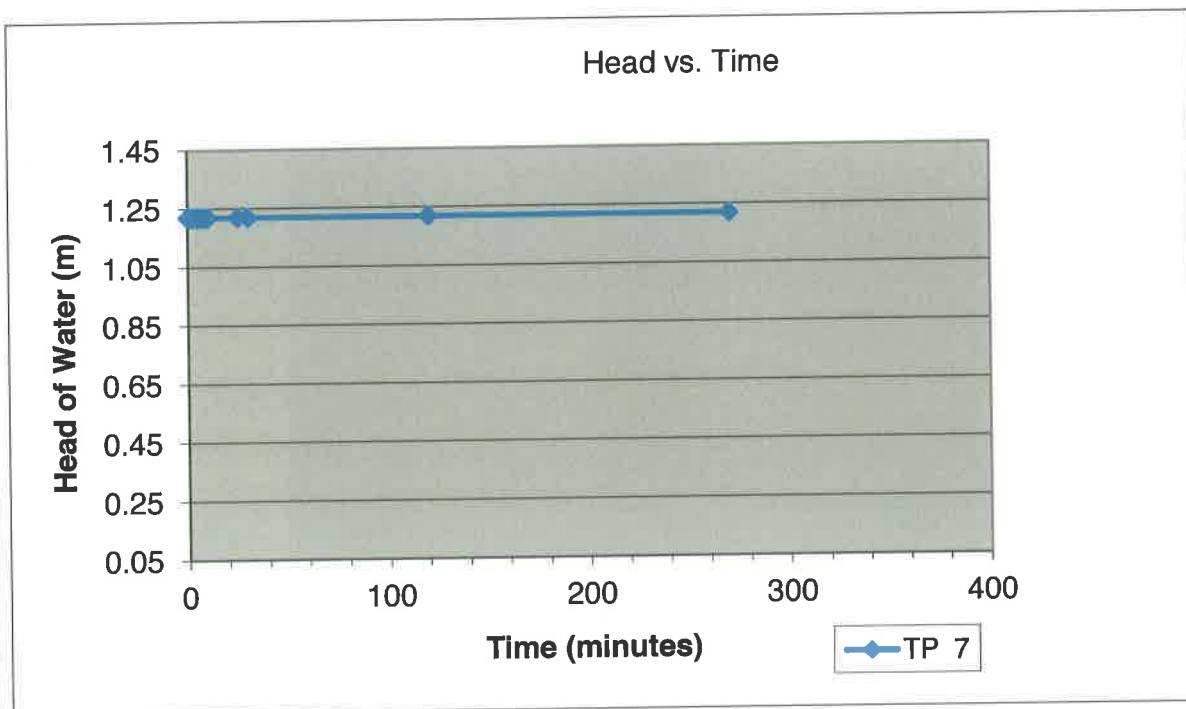
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	9th Sept 2014
Dimensions:	0.8m x 2.0m x 2.9m	Test Location:	TP 7

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.78	5	0.78	10	0.78
1	0.78	6	0.78	25	0.78
2	0.78	7	0.78	30	0.78
3	0.78	8	0.78	120	0.78
4	0.78	9	0.78	270	0.78

Calculated Average Soil Infiltration Rate = NOT POSSIBLE



Comments:

No infiltration over 270 minutes of test. Pit backfilled with arisings

LISTERS



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Trial Pit Soakaway Testing to BRE Digest 365

Client: Pye Homes Ltd.

Report No:

14.08.005a

Site: Land East of Woodstock, Oxon.

Date Tested:

9th Sept 2014

Dimensions: 0.9m x 2.0m x 2.7m

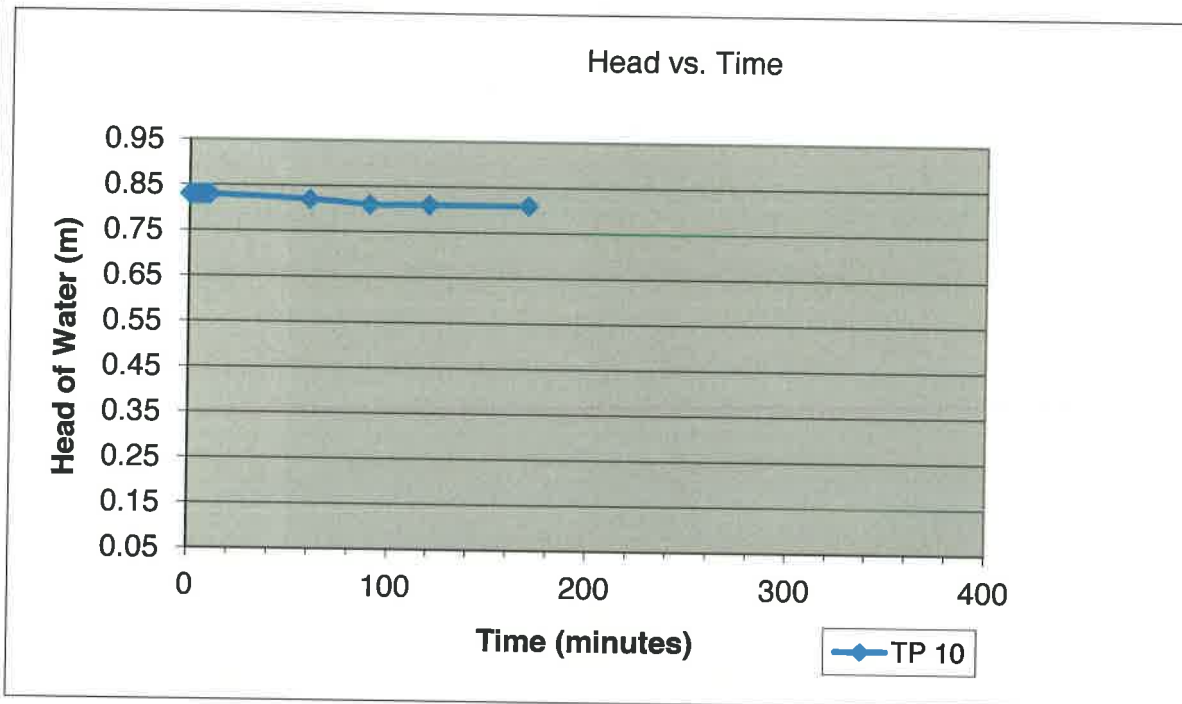
Test Location:

TP 10

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.78	5	0.78	10	0.78
1	0.78	6	0.78	25	0.78
2	0.78	7	0.78	30	0.78
3	0.78	8	0.78	120	0.78
4	0.78	9	0.78	270	0.78

Calculated Average Soil Infiltration Rate = NOT POSSIBLE



Comments:

No infiltration over 170 minutes of test. Pit backfilled with arisings

LISTERS



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Trial Pit Soakaway Testing to BRE Digest 365

Client: Pye Homes Ltd.

Report No:

14.08.005a

Site: Land East of Woodstock, Oxon.

Date Tested:

10th Sept 2014

Dimensions: 0.8m x 2.0m x 2.9m

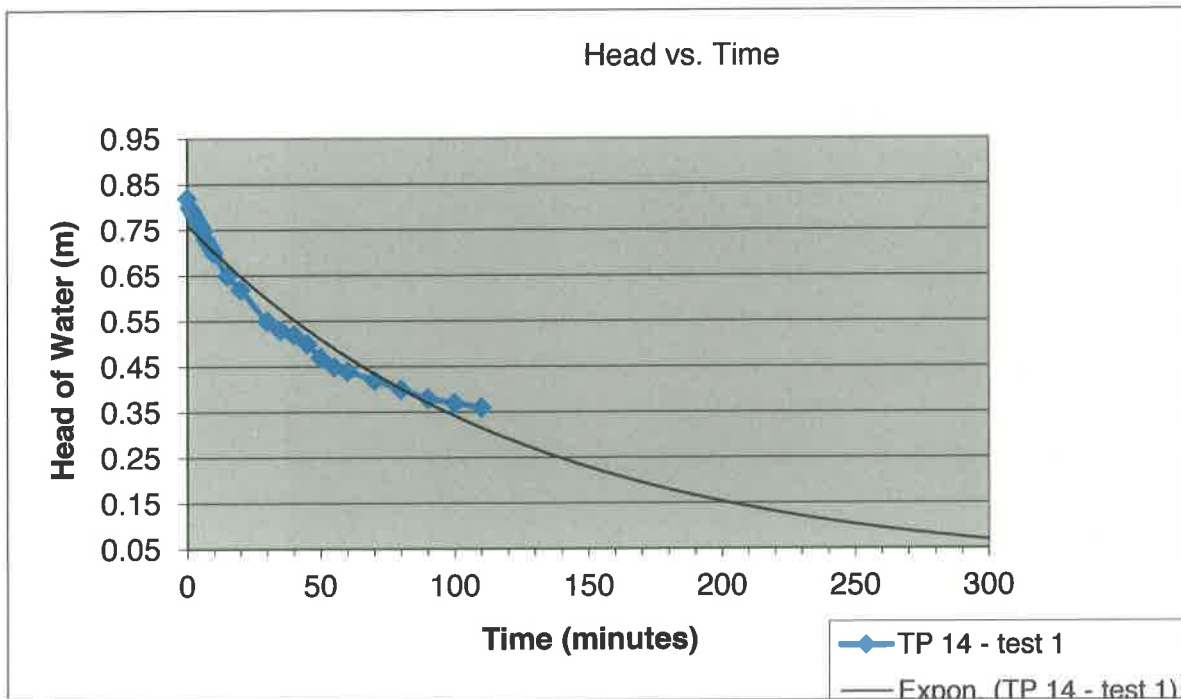
Test Location:

TP 14 - Test 1

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.58	10	0.70	70	0.98
1	0.60	15	0.75	80	1
2	0.61	20	0.78	90	1.02
3	0.62	30	0.85	100	1.03
4	0.63	35	0.87	110	1.04

Calculated Average Soil Infiltration Rate = 1.9×10^{-5} m/s



Comments:

Results extrapolated.

LISTERS



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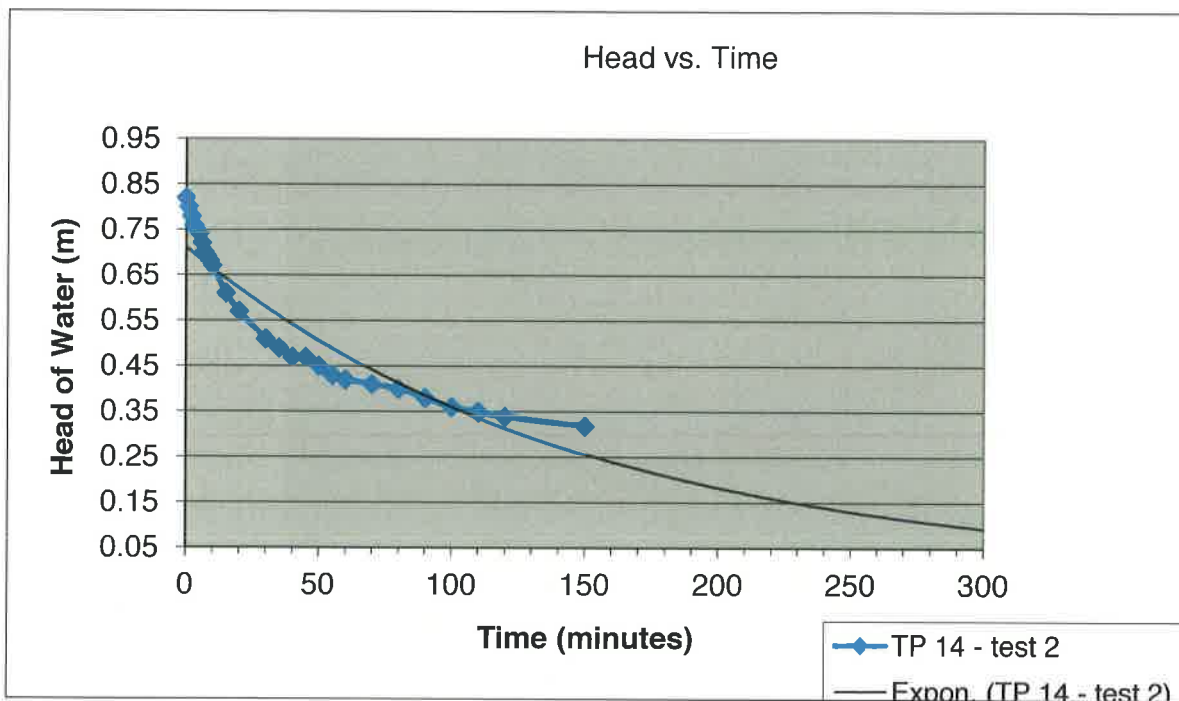
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	10th Sept 2014
Dimensions:	0.8m x 2.0m x 2.9m	Test Location:	TP 14 - Test 2

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.58	10	0.73	90	1.04
1	0.60	15	0.79	100	1.05
2	0.62	20	0.83	110	1.06
3	0.64	30	0.89	120	1.08
4	0.65	35	0.91	150	1.1

Calculated Average Soil Infiltration Rate = 1.8×10^{-5} m/s



Comments: Results extrapolated.

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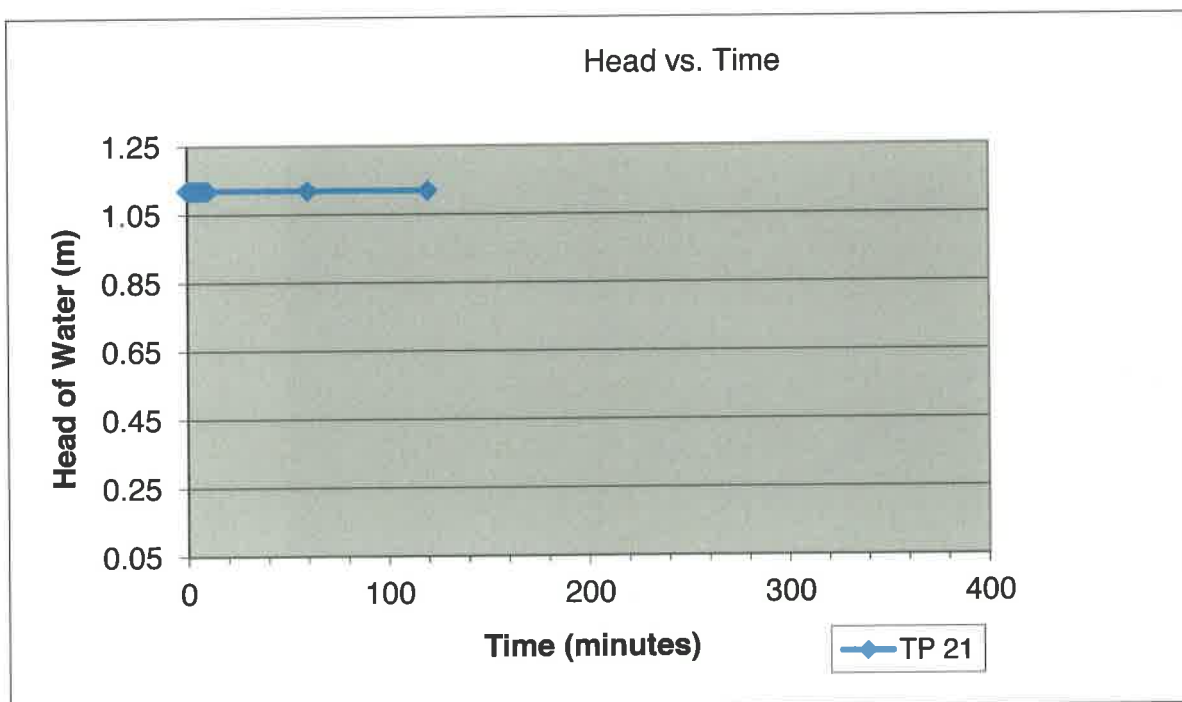
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	10th Sept 2014
Dimensions:	0.8m x 2.0m x 2.7m	Test Location:	TP 21

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.88	5	0.88	10	0.88
1	0.88	6	0.88	60	0.88
2	0.88	7	0.88	120	0.88
3	0.88	8	0.88		
4	0.88	9	0.88		

Calculated Average Soil Infiltration Rate = NOT POSSIBLE



Comments: No infiltration over 120 minutes of test. Pit backfilled with arisings

LISTERS



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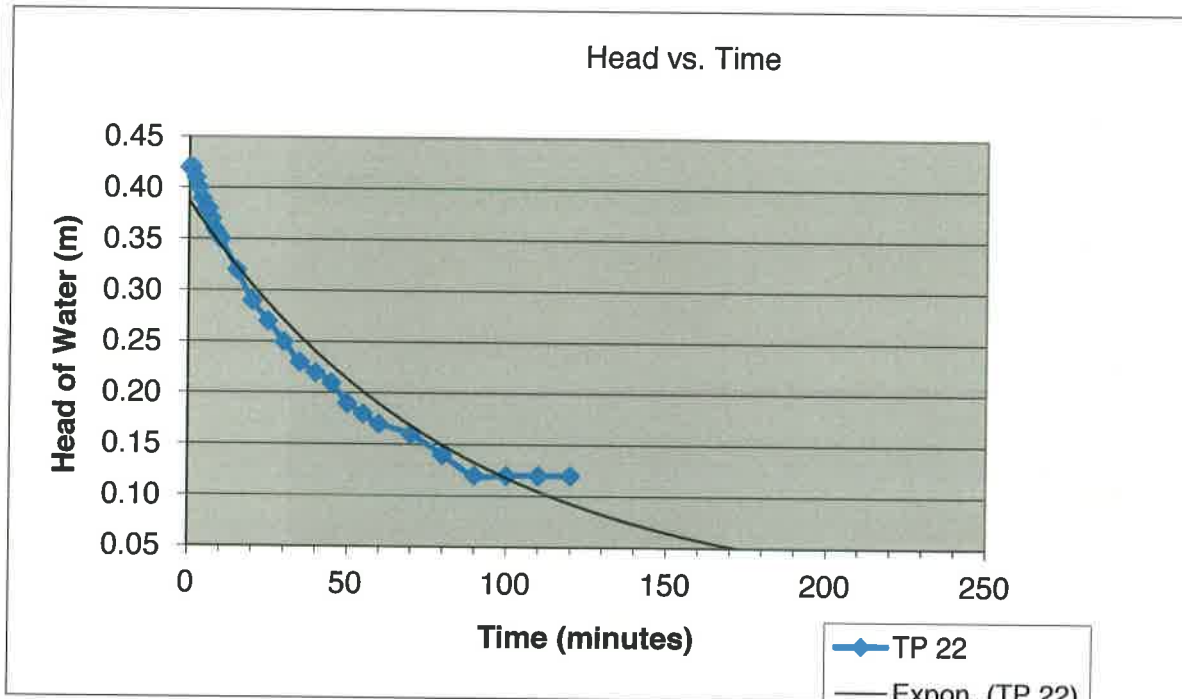
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	10th Sept 2014
Dimensions:	0.8m x 2.0m x 2.9m (base of Cornbrash at 1.10m bgl)	Test Location:	TP 22

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.68	10	0.75	80	0.96
1	0.68	15	0.78	90	0.98
2	0.69	20	0.81	100	0.98
3	0.70	25	0.83	110	0.98
4	0.71	30	0.85	120	0.98

Calculated Average Soil Infiltration Rate = 4.7×10^{-5} m/s



Comments:

Results have been calculated for infiltration within the Cornbrash strata

LISTERS



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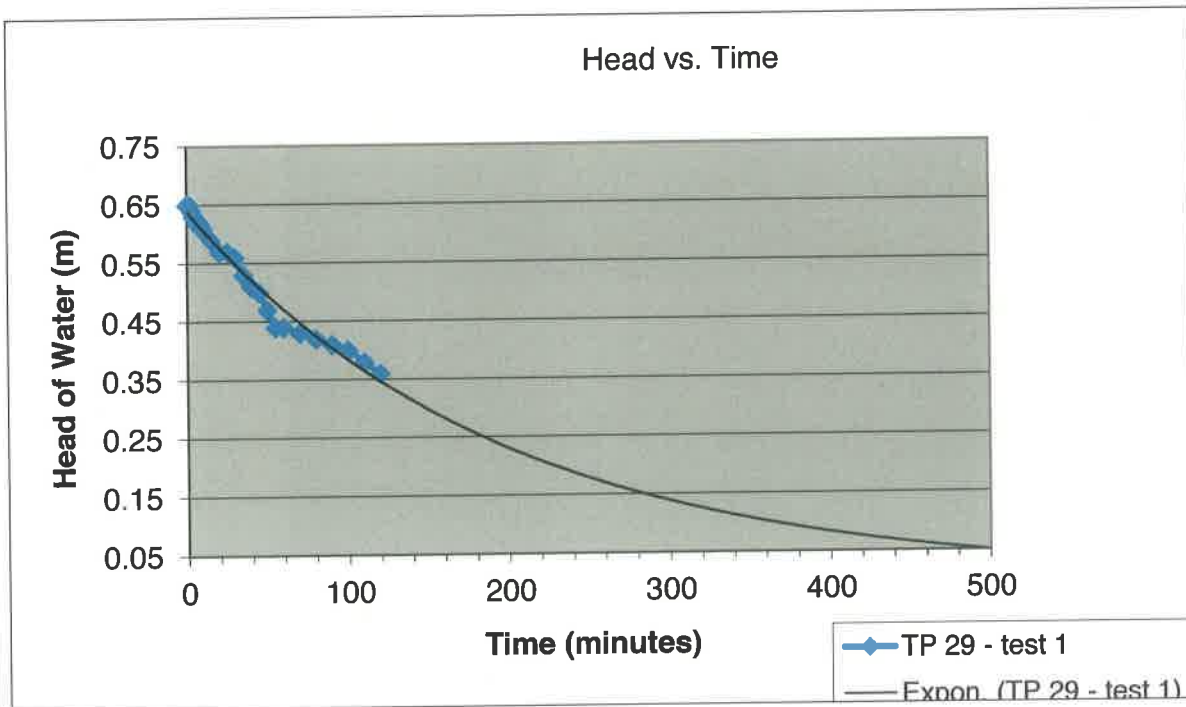
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	11th Sept 2014
Dimensions:	0.8m x 1.3m x 2.9m	Test Location:	TP 29 - Test 1

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.65	10	0.69	80	0.88
1	0.65	15	0.71	90	0.89
2	0.65	20	0.73	100	0.9
3	0.66	25	0.73	110	0.92
4	0.67	30	0.74	120	0.94

Calculated Average Soil Infiltration Rate = 2.4×10^{-5} m/s



Comments: Results extrapolated

LISTERS



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Trial Pit Soakaway Testing to BRE Digest 365

Client: Pye Homes Ltd.

Report No: 14.08.005a

Site: Land East of Woodstock, Oxon.

Date Tested: 11th Sept 2014

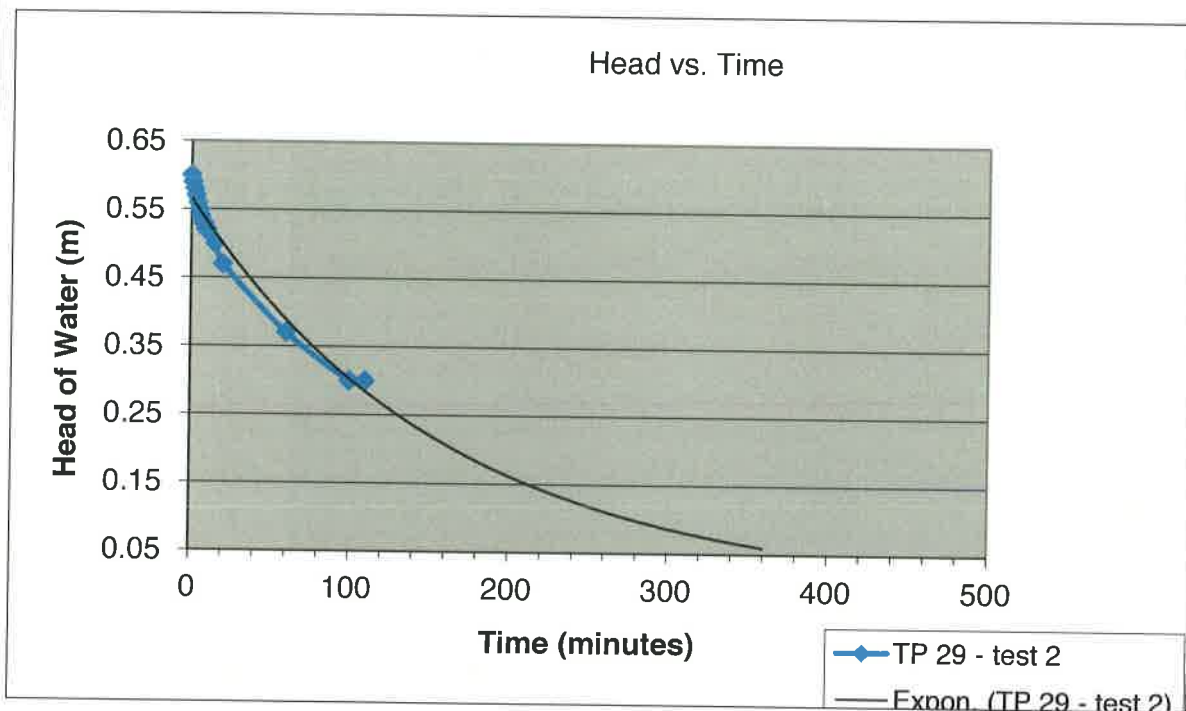
Dimensions: 0.8m x 1.3m x 2.9m

Test Location: TP 29 - Test 2

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.70	5	0.75	15	0.80
1	0.71	6	0.76	20	0.83
2	0.72	7	0.77	60	0.93
3	0.73	8	0.77	100	1
4	0.74	9	0.78	110	1

Calculated Average Soil Infiltration Rate = 2.9×10^{-5} m/s



Comments: Results extrapolated

LISTERS



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Trial Pit Soakaway Testing to BRE Digest 365

Client: Pye Homes Ltd.

Report No:

14.08.005a

Site: Land East of Woodstock, Oxon.

Date Tested:

11th Sept 2014

Dimensions: 0.8m x 1.3m x 2.9m

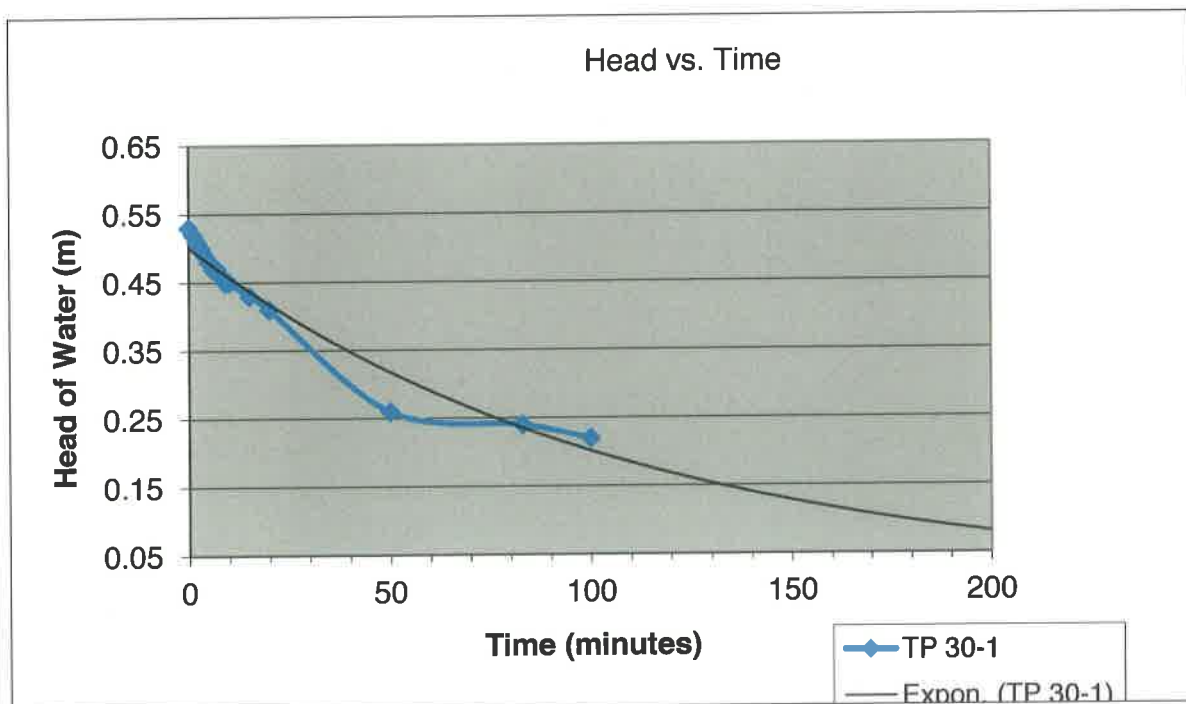
Test Location:

TP 30 - Test 1

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.77	6	0.83	15	0.87
1	0.78	7	0.83	20	0.89
2	0.79	8	0.84	50	1.04
3	0.80	9	0.85	83	1.06
4	0.81	10	0.85	100	1.08

Calculated Average Soil Infiltration Rate = 4.2×10^{-5} m/s



Comments:

Results extrapolated

LISTERS



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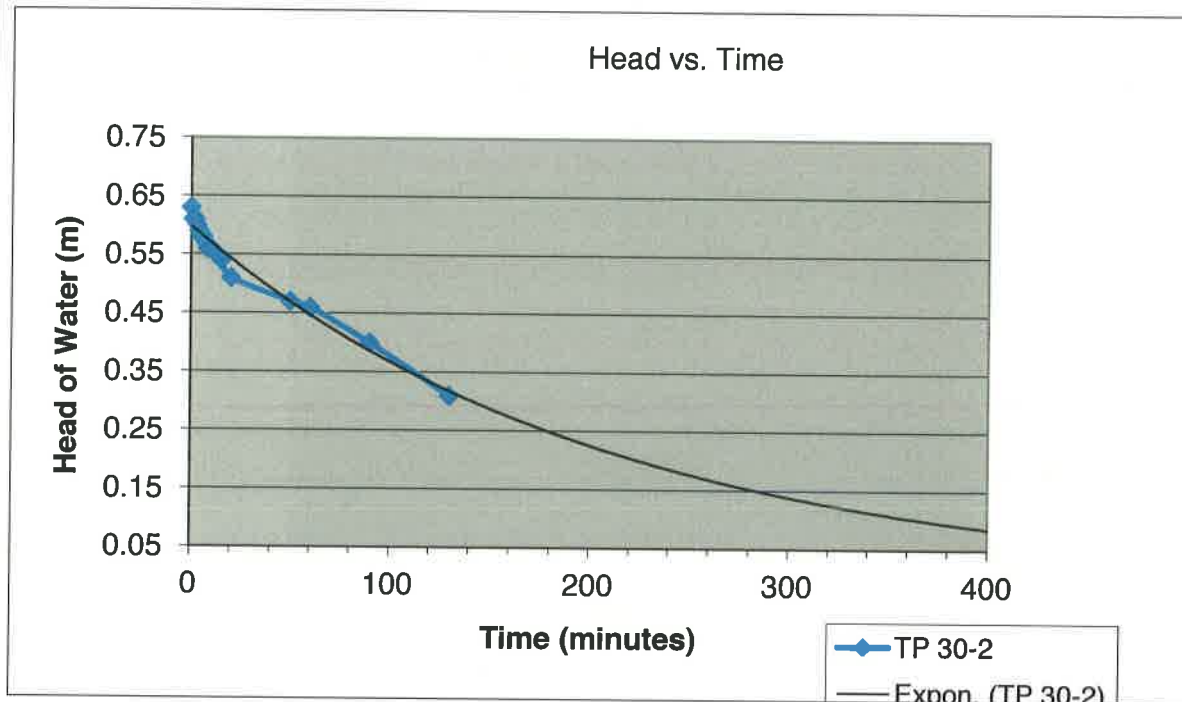
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	11th Sept 2014
Dimensions:	0.8m x 1.3m x 2.9m	Test Location:	TP 30 - Test 2

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.67	6	0.72	20	0.79
1	0.69	7	0.73	50	0.83
2	0.69	8	0.74	60	0.84
3	0.70	9	0.74	90	0.9
4	0.71	10	0.74	130	0.99

Calculated Average Soil Infiltration Rate = 2.7×10^{-5} m/s



Comments: Results extrapolated

LISTERS



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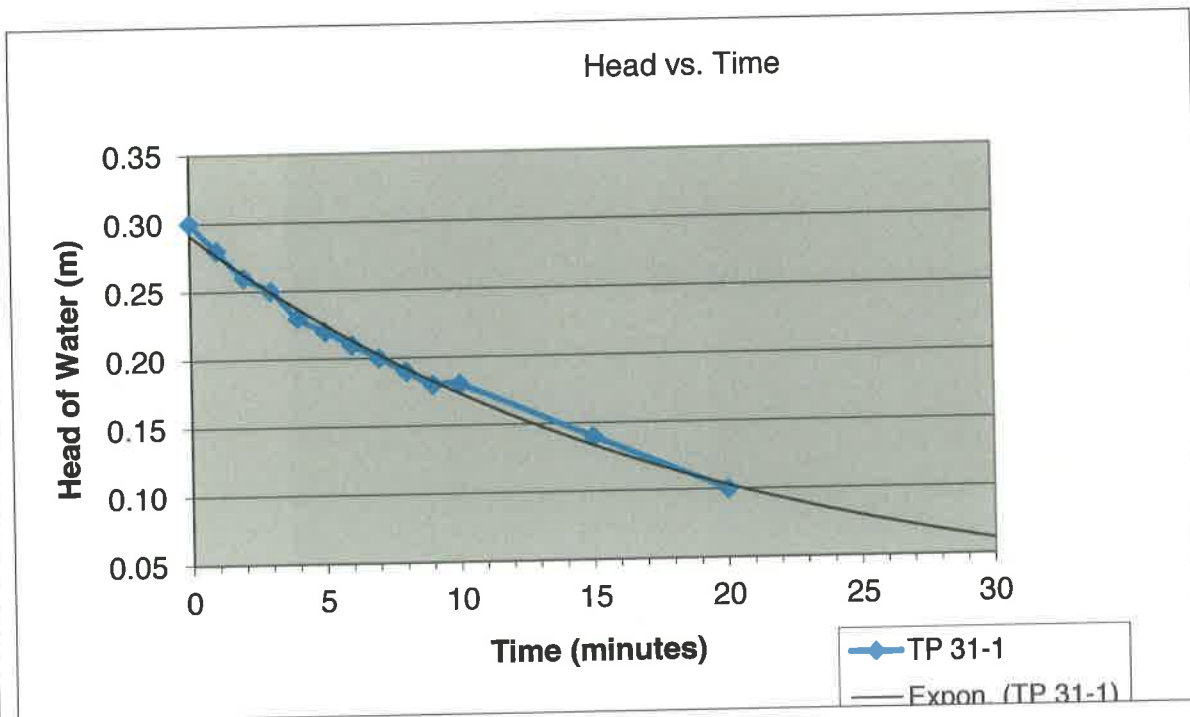
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	12th Sept 2014
Dimensions:	0.8m x 0.7m x 2.4m	Test Location:	TP 31 - Test 1

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.40	5	0.48	10	0.52
1	0.42	6	0.49	15	0.56
2	0.44	7	0.50	20	0.60
3	0.45	8	0.51		
4	0.47	9	0.52		

Calculated Average Soil Infiltration Rate = 2.3×10^{-4} m/s



Comments:

LISTERS



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Trial Pit Soakaway Testing to BRE Digest 365

Client: Pye Homes Ltd.

Report No:

14.08.005a

Site: Land East of Woodstock, Oxon.

Date Tested:

12th Sept 2014

Dimensions: 0.8m x 0.7m x 2.4m

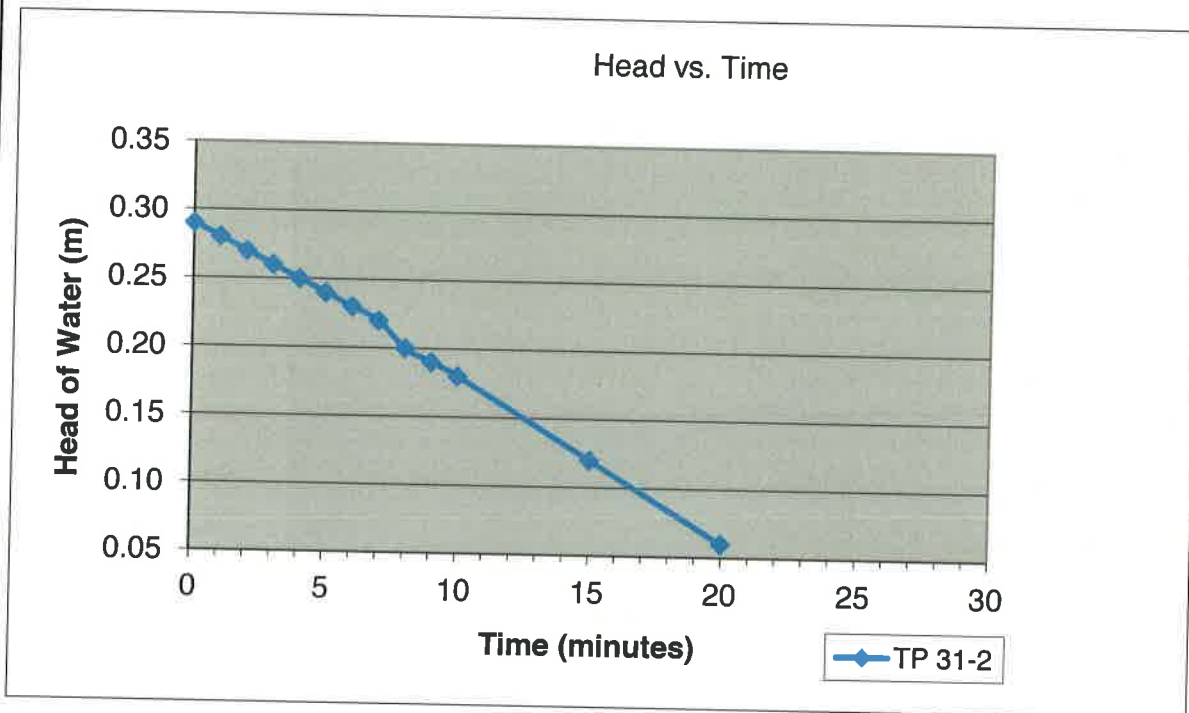
Test Location:

TP 31 - Test 2

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.65	6	0.68	20	0.73
1	0.65	7	0.68	50	0.83
2	0.65	8	0.68	60	0.86
3	0.66	9	0.69	90	0.89
4	0.67	10	0.69	120	0.94

Calculated Average Soil Infiltration Rate = 4.5×10^{-4} m/s



Comments:

LISTERS



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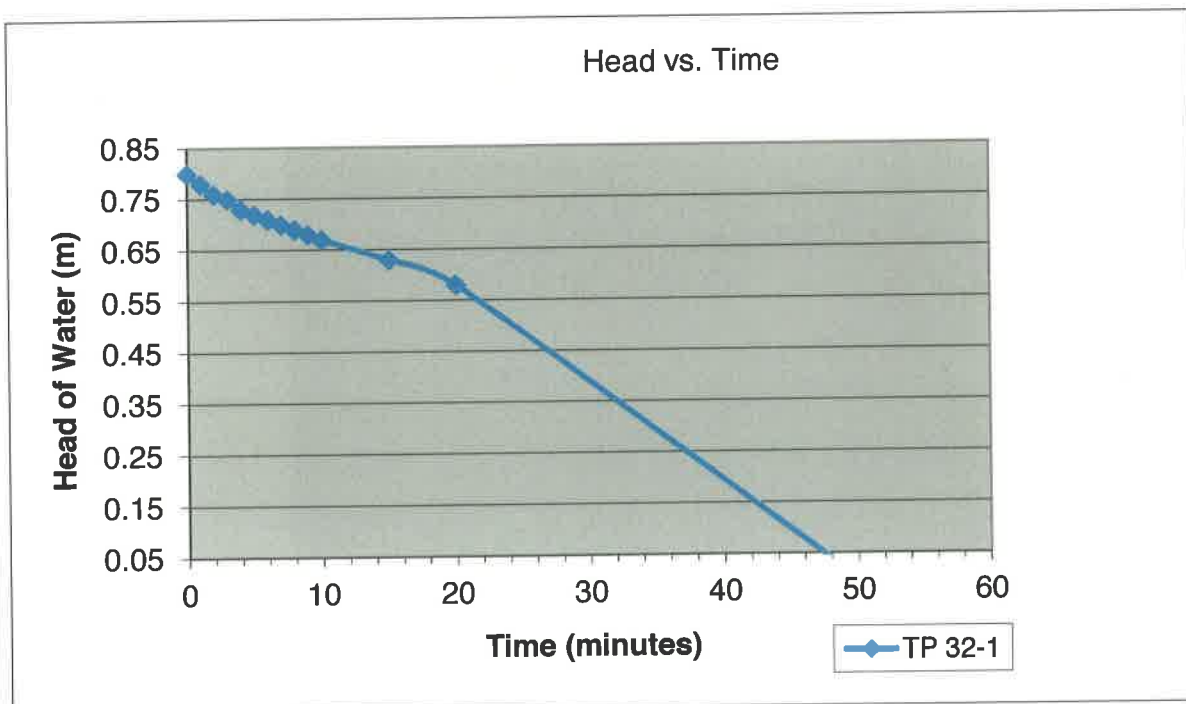
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	11th Sept 2014
Dimensions:	0.8m x 1.1m x 2.9m	Test Location:	TP 32 - Test 1

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.30	5	0.38	10	0.43
1	0.32	6	0.39	15	0.47
2	0.34	7	0.40	20	0.52
3	0.35	8	0.41	50	1.1
4	0.37	9	0.42		

Calculated Average Soil Infiltration Rate = 2.4×10^{-4} m/s



Comments:

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Trial Pit Soakaway Testing to BRE Digest 365

Client: Pye Homes Ltd.

Report No:

14.08.005a

Site: Land East of Woodstock, Oxon.

Date Tested:

11th Sept 2014

Dimensions: 0.8m x 1.1m x 2.9m

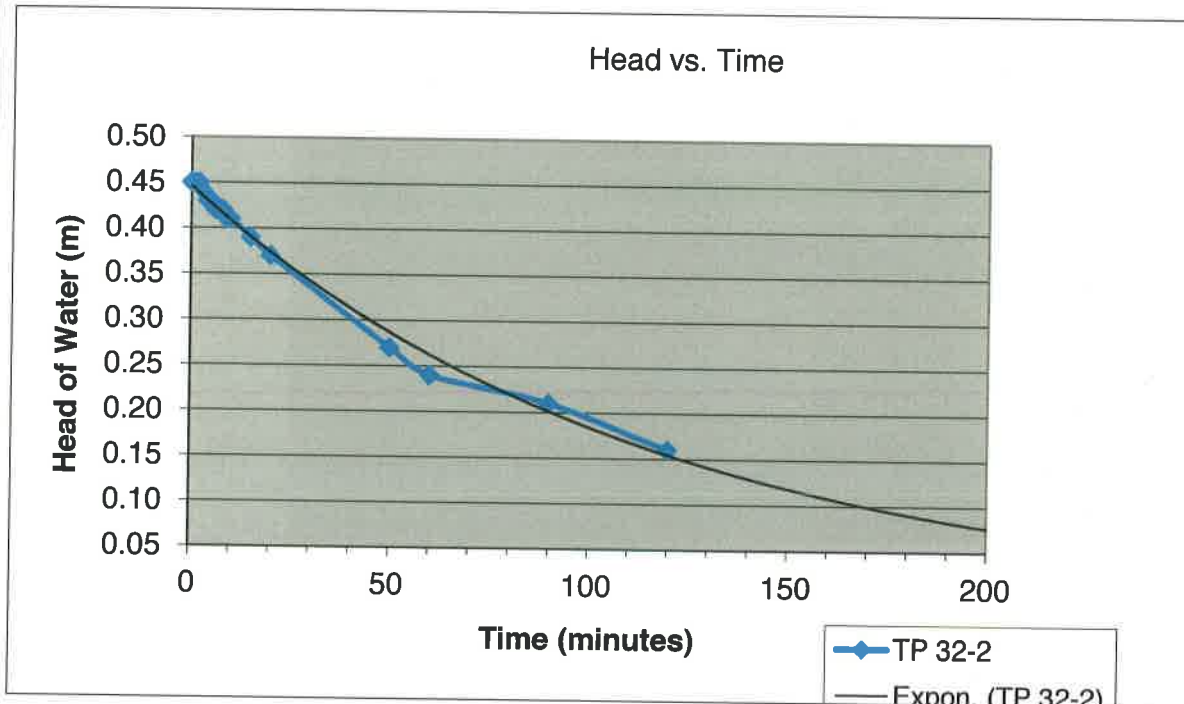
Test Location:

TP 32 - Test 2

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.65	6	0.68	20	0.73
1	0.65	7	0.68	50	0.83
2	0.65	8	0.68	60	0.86
3	0.66	9	0.69	90	0.89
4	0.67	10	0.69	120	0.94

Calculated Average Soil Infiltration Rate = 3.9×10^{-5} m/s



Comments:

Results extrapolated

LISTERS



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Trial Pit Soakaway Testing to BRE Digest 365

Client: Pye Homes Ltd.

Report No:

14.08.005a

Site: Land East of Woodstock, Oxon.

Date Tested:

12th Sept 2014

Dimensions: 0.8m x 1.1m x 2.9m

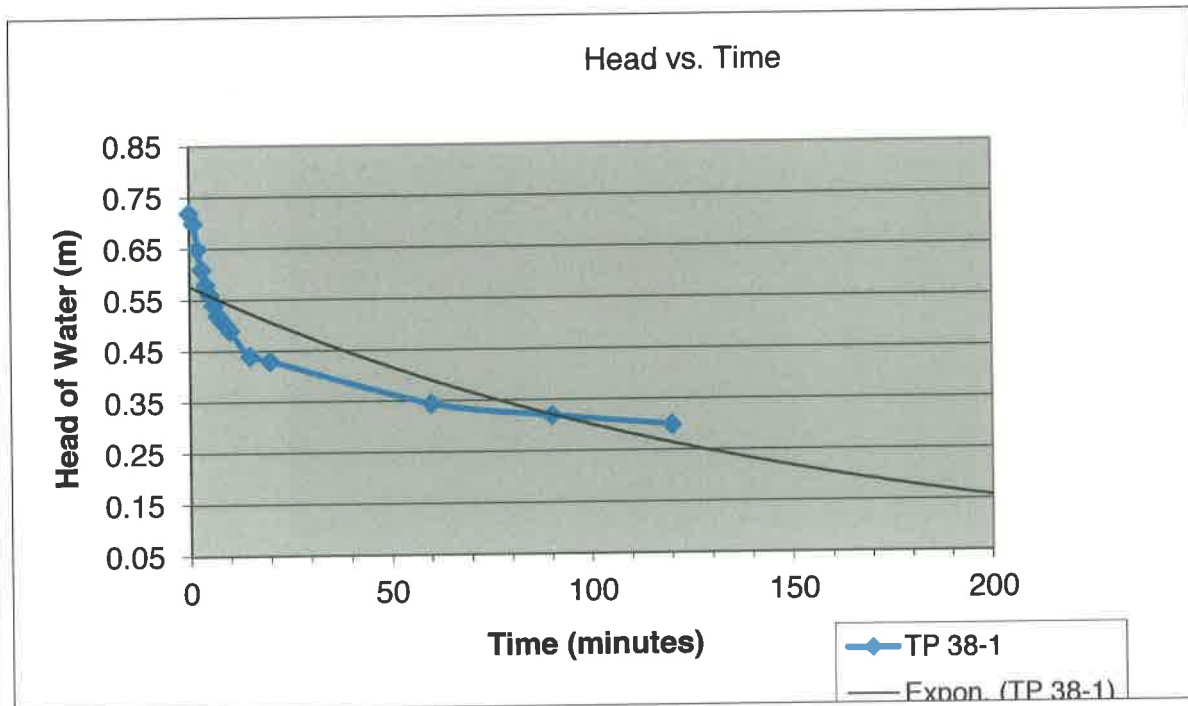
Test Location:

TP 38 - Test 1

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.38	5	0.54	15	0.66
1	0.40	6	0.56	20	0.67
2	0.45	7	0.58	60	0.755
3	0.49	8	0.59	90	0.78
4	0.52	9	0.60	120	0.8

Calculated Average Soil Infiltration Rate = 3×10^{-5} m/s



Comments:

LISTERS



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Trial Pit Soakaway Testing to BRE Digest 365

Client: Pye Homes Ltd.

Report No: 14.08.005a

Site: Land East of Woodstock, Oxon.

Date Tested: 12th Sept 2014

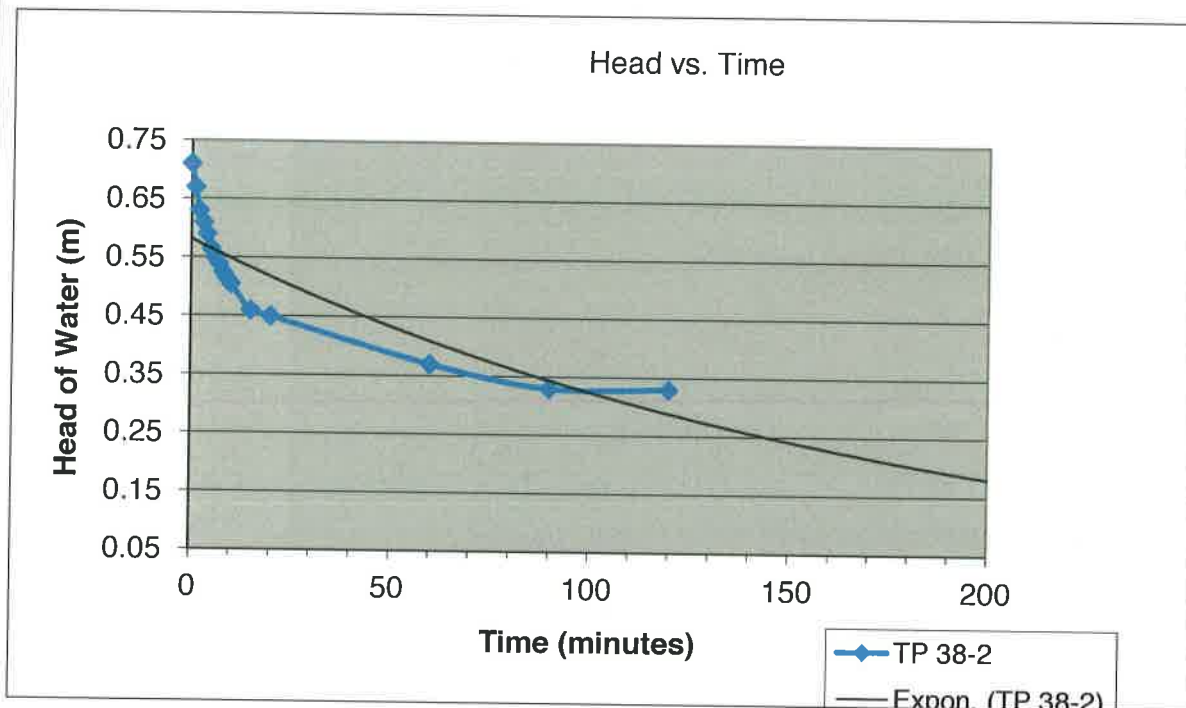
Dimensions: 0.8m x 1.1m x 2.9m

Test Location: TP 38 - Test 2

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.39	6	0.55	15	0.64
1	0.43	7	0.56	20	0.65
2	0.47	8	0.58	60	0.73
3	0.49	9	0.59	90	0.77
4	0.51	10	0.60	120	0.77

Calculated Average Soil Infiltration Rate = 2.8×10^{-5} m/s



Comments: Results extrapolated

LISTERS



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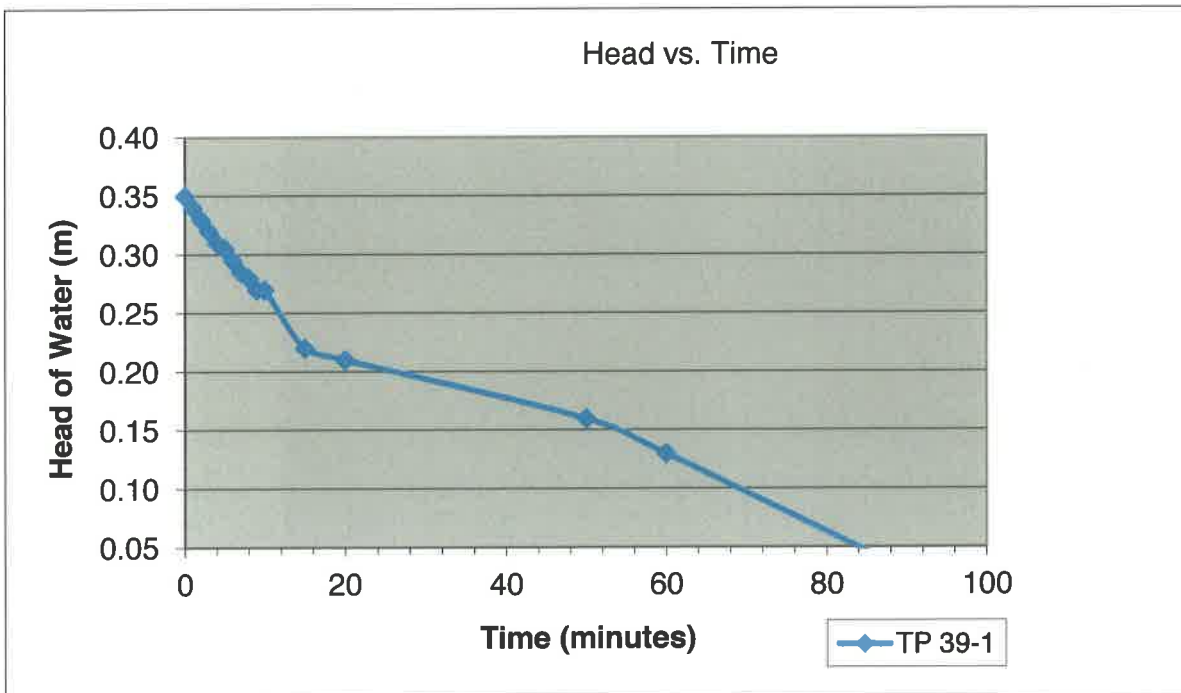
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	12th Sept 2014
Dimensions:	0.8m x 0.67m x 2.4m	Test Location:	TP 39 - Test 1

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.32	6	0.38	15	0.45
1	0.33	7	0.39	20	0.46
2	0.34	8	0.39	50	0.51
3	0.35	9	0.40	60	0.54
4	0.36	10	0.40	90	0.64

Calculated Average Soil Infiltration Rate = 8.1×10^{-5} m/s



Comments:

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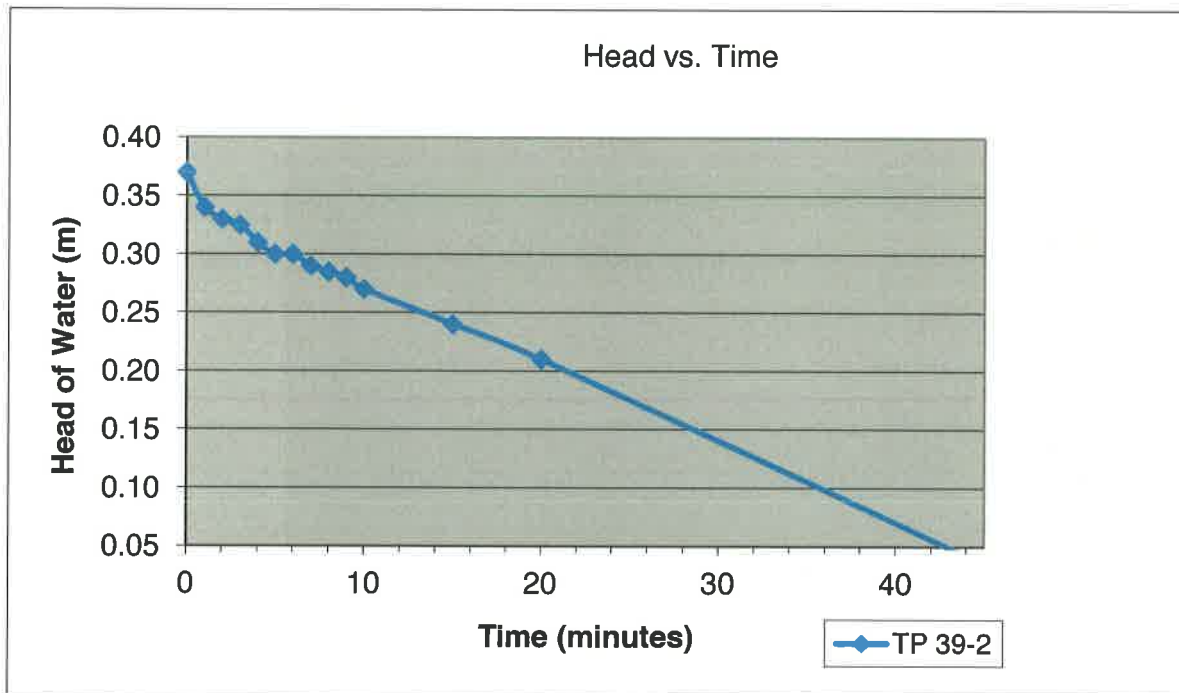
Trial Pit Soakaway Testing to BRE Digest 365

Client:	Pye Homes Ltd.	Report No:	14.08.005a
Site:	Land East of Woodstock, Oxon.	Date Tested:	12th Sept 2014
Dimensions:	0.8m x 0.67m x 2.4m	Test Location:	TP 39 - Test 2

TEST 1

Time	Depth BGL	Time	Depth BGL	Time	Depth BGL
0	0.30	5	0.37	10	0.40
1	0.33	6	0.37	15	0.43
2	0.34	7	0.38	20	0.46
3	0.35	8	0.39	50	0.67
4	0.36	9	0.39		

Calculated Average Soil Infiltration Rate = 1.9×10^{-4} m/s



Comments:

Date	Weather	Test Location	Methane CH4(%)	Carbon Dioxide CO ₂ (%)	Oxygen O ₂ (%)	Atmospheric Pressure (mBar)	Flow (l/h)	Water Level (m bgl)
17/09/14		BH101	0.0	1.1	17.3	1003	0.0	5.70
		BH102	0.0	0.3	19.9	1004	0.1	4.66
		BH103	0.0	0.7	18.0	1004	0.1	9.40
		BH104	0.0	0.2	17.3	1004	0.3	7.17
		BH105	0.0	0.6	17.8	1004	0.1	5.83
		BH106	0.0	0.3	18.7	1004	0.0	4.52
02/10/14	Sunny	BH101	0.0	0.1	20.8	1019	0.0	4.75
		BH102	0.0	0.1	20.2	1018	0.0	4.40
		BH103	0.0	0.6	18.9	1020	0.0	9.53
		BH104	0.0	0.4	19.3	1020	0.0	7.24
		BH105	0.0	0.1	21.1	1020	0.0	6.02
		BH106	0.0	0.6	18.3	1020	0.0	4.57
07/10/14	Sunny	BH101	0.0	0.8	17.2	983	0.0	5.66
		BH102	0.0	1.0	16.0	983	0.0	4.31
		BH103	0.0	0.1	20.4	984	0.0	9.54
		BH104	0.0	0.1	20.4	984	0.0	7.17
		BH105	0.0	1.6	15.9	984	0.0	6.02
		BH106	0.0	1.1	12.7	984	0.0	4.48
Gas measurements taken using a portable Gas Data LMS xi gas monitor								
GAS MONITORING RESULTS							Report No. 14.08.005a	

Date	Weather	Test Location	Methane CH4(%)	Carbon Dioxide CO ₂ (%)	Oxygen O ₂ (%)	Atmospheric Pressure (mBar)	Flow (l/h)	Water Level (m bgl)
15/10/14	Cloudy	BH101	0.0	0.9	19.3	994	0.0	5.21
		BH102	0.0	0.5	19.4	994	0.1	4.31
		BH103	0.0	0.7	19.4	994	0.0	9.45
		BH104	0.0	0.6	18.4	994	0.0	7.33
		BH105	0.0	0.8	18.4	994	0.0	6.06
		BH106	0.0	1.1	10.4	994	0.0	4.96
Gas measurements taken using a portable Gas Data LMS xi gas monitor								
GAS MONITORING RESULTS							Report No. 14.08.005a	