

Appendix C

Study Limitations

IMPORTANT. This appendix should be read before reliance is placed on any of the information, opinions, advice, recommendations or conclusions contained in this report.

1 This report has been prepared by Arcadis UK Ltd ('Arcadis'), with all reasonable skill, care and diligence within the terms of the Appointment and with the resources and manpower agreed with Midland Heart (the 'Client'). Arcadis does not accept responsibility for any matters outside the agreed scope.

2 This report has been prepared for the sole benefit of the Client unless agreed otherwise in writing. The contents of this report may not be used or relied upon by any person other than this party without the express written consent and authorisation of Arcadis.

3 Unless stated otherwise, no consultations with authorities or funders or other interested third parties have been carried out. Arcadis is unable to give categorical assurance that the findings will be accepted by these third parties as such bodies may have unpublished, more stringent objectives. Further work may be required by these parties.

4 All work carried out in preparing this report has used, and is based on, Arcadis' professional knowledge and understanding of current relevant legislation. Changes in legislation or regulatory guidance may cause the opinion or advice contained in this report to become inappropriate or incorrect. In giving opinions and advice, pending changes in legislation, of which Arcadis is aware, have been considered. Following delivery of the report, Arcadis has no obligation to advise the Client or any other party of such changes or their repercussions.

5 This report is only valid when used in its entirety. Any information or advice included in the report should not be relied upon until considered in the context of the whole report.

6 Whilst this report and the opinions made are correct to the best of Arcadis' belief, Arcadis cannot guarantee the accuracy or completeness of any information provided by third parties. provided by third parties. Arcadis has taken reasonable steps to ensure that the information sources used for this assessment provided accurate information and has therefore assumed this to be the case.

7 This report has been prepared based on the information reasonably available during the project programme. All information relevant to the scope may not have been received.

8 This report refers, within the limitations stated, to the condition of the Site at the time of the inspection. No warranty is given as to the possibility of changes in the condition of the Site since the time of the investigation.

9 The content of this report represents the professional opinion of experienced environmental consultants. Arcadis does not provide specialist legal or other professional advice. The advice of other professionals may be required.

10 Where intrusive investigation techniques have been employed they have been designed to provide a reasonable level of assurance on the conditions. Given the discrete nature of sampling, no investigation technique is capable of identifying all conditions present in all areas. In some cases, the investigation is further limited by Site operations, underground obstructions and above ground structures. Unless otherwise stated, areas beyond the boundary of the Site have not been investigated.

11 If below ground intrusive investigations have been conducted as part of the scope, safe location of exploratory holes has been carried out with reference to Arcadis in-house SOP. No guarantee can be given that all services have been identified. Additional services, structures or other below ground obstructions, not indicated on the drawing, may be present on Site.

12 Unless otherwise stated the report provides no comment on the nature of building materials, operational integrity of the facility or on any regulatory compliance issues.

13 Unless otherwise stated, an inspection of the Site has not been undertaken and there may be conditions present at the Site which have not been identified within the scope of this assessment.

14 Unless otherwise stated, samples from the Site (soil, groundwater, building fabric or other samples) have not been obtained.

15 Arcadis has relied upon the accuracy of documents, oral information and other material and information provided by the Client and others, and Arcadis assumes no liability for the accuracy of such data, although in the event of apparent conflicts in information, Arcadis would highlight this and seek to resolve.

16 Unless otherwise stated, the scope of works has not included an environmental compliance review, health and safety compliance review, hazardous building materials assessment, interviews or contacting Local Authority, requests for information to the petroleum officer, sampling or analyses of soil, ground water, surface water, air or hazardous building materials or a chain of title review.

17 Unless otherwise stated, this assessment has considered the ongoing use of the Site and has not been prepared for the purposes of redevelopment which may act as a trigger for Site investigation and remediation works not needed for ongoing use.

Appendix D

Ground Investigation Logs

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446728.08

Ground Level (mAOD)
108.11
Northing (OS mN)
298313.52

Start Date
27/06/2022
End Date
28/06/2022

Scale
1:50
Sheet 1 of 2

Progress	Samples	Tests and Measurements			Strata		Depth (Thickness)	Level	Install/Backfill
Date / Time Casing / DTW	Type - Depth (m)	Type - Depth (m) - Result	Fracture Details	TCR SCR RQD	Description	Legend			
2022/06/27 17:05 - / -	(D6) 0.20 (ES1) 0.20-0.30 (ES2) 0.40-0.50 (B7) 0.50-1.00	PID 0.20m <1ppm PID 0.40m <1ppm			Grass over very loose brown gravelly fine to coarse SAND with abundant rootlets. Gravel is fine to medium subangular to subrounded of flint and chert. [TOPSOIL] Loose dark brownish grey slightly gravelly clayey fine to coarse SAND with occasional rootlets. Gravel is fine to coarse subrounded to rounded of chert. Slight organic odour throughout. [WIGSTON MEMBER] Loose light yellowish orangish brown slightly gravelly clayey fine to coarse SAND. Gravel is fine to medium subrounded to rounded of flint and chert. [WIGSTON MEMBER]		(0.40) 0.40 (0.50) 0.90	107.71 107.21	
	(D8) 1.00 (ES3) 1.00	PID 1.00m <1ppm SPT(C) 1.20m N=5 (1,2/1,1,2,1)							
	(D9) 1.75						(1.70)		
	(B10) 2.00-2.45 (ES4) 2.00	PID 2.00m <1ppm SPT(C) 2.00m N=3 (1,1/1,1,1,0)							
	(D11) 2.75				Soft light brown silty sandy CLAY with occasional gravel. Gravel is fine to medium subrounded of chert and flint. Sand is fine to medium. [THRUSSINGTON MEMBER]		2.60	105.51	
	(B12) 3.00-3.45 (SPTLS5) 3.00-3.45	PID 3.00m <1ppm SPT(S) 3.00m N=5 (1,2/1,1,1,2)							
	(D13) 3.75						(2.40)		
	(UT14) 4.00-4.45 19 blows 90%rec								
	(D15) 4.45-4.50				Becoming stiff at depth				
	(B16) 5.00-5.45 (SPTLS) 5.00-5.45	SPT(S) 5.00m N=19 (3,3/4,5,5,5)			Stiff reddish brown slightly gravelly sandy CLAY. Gravel is fine to medium subangular to subrounded of light grey siltstone and chert. [GUNTORPE MEMBER]		5.00	103.11	
	(D17) 5.75								
	(UT18) 6.00-6.45 30 blows 90%rec				Becoming very stiff at depth				
	(D19) 6.45-6.50								
	(B21) 7.00-7.50 (D20) 7.00 (SPTLS) 7.00-7.33	SPT(S) 7.00m N>50 (5,9/14,14,20,6 for 30mm)			medium strong light grey siltstone band 7-7.05m bgl		(5.33)		
	(D22) 7.75								
2022/06/27 08:58 - / -	(B23) 8.00-8.50 (SPTLS) 8.00-8.38	SPT(S) 8.00m N>50 (5,9/13,16,21,0 for 0mm)							
2022/06/28 08:59 - / -									
	(D24) 8.75								
	(B25) 9.00-9.50 (SPTLS) 9.00-9.38	SPT(S) 9.00m N>50 (6,9/15,15,20,0 for 0mm)							
	(D26) 9.75								
2022/06/28 09:32 - / -	(SPTLS) 10.00-10.33	SPT(S) 10.00m N>50 (6,11/15,23,12 for 30mm)							

DRILLING TECHNIQUE			HOLE / CASING DIAMETER				CHISELLING			WATER OBSERVATIONS						FLUSH DETAILS				WATER ADDED		
From	To	Type	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Duration	Date/Time	Strike	Rest	Mins	Casing	Sealed	From	To	Rtn%	Type	From	To	Litres
0.00	1.20	Inspection Pit Cable Percussion								27/06/2022 13:25	1.50	1.25	20									

INSTRUMENTS			WELL SCREEN DESIGN				REMARKS			
Name	Type	m AGL	Well Name	From	To	Dia.				
BH101	Standpipe	0.000	BH101	1.00	2.50	50	Terminated at target depth following SPT refusals. No visual evidence of contamination. Olfactory evidence limited to organic odour from 0.4-0.9m. No information available for hole/casing diameter, chiselling, flush details or water added.			

Project

Hilltop Farm

Client

Midland Heart

Project No.

10056074

Easting (OS mE)

446728.08

Ground Level (mAOD)

108.11

Northings (OS mN)

298313.52

Start Date

27/06/2022

End Date

28/06/2022

Scale

1:50

Sheet 2 of 2

Progress	Samples	Tests and Measurements			Strata		Depth (Thickness)	Level	Install/ Backfill
Date / Time Casing / DTW	Type - Depth (m)	Type - Depth (m) - Result	Fracture Details	TCR SCR ROD	Description	Legend			
2022/06/28 09:36 - / -					Stiff reddish brown slightly gravelly sandy CLAY. Gravel is fine to medium subangular to subrounded of light grey siltstone and chert. [GUNTHORPE MEMBER]		10.33	97.78	

DRILLING TECHNIQUE			HOLE / CASING DIAMETER				CHISELLING			WATER OBSERVATIONS						FLUSH DETAILS				WATER ADDED		
From	To	Type	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Duration	Date/Time	Strike	Rest	Mins	Casing	Sealed	From	To	Rtn%	Type	From	To	Litres
0.00 1.20	1.20 10.33	Inspection Pit Cable Percussion								27/06/2022 13:25	1.50	1.25	20									

INSTRUMENTS			WELL SCREEN DESIGN				REMARKS
Name	Type	m AGL	Well Name	From	To	Dia.	
BH101	Standpipe	0.000	BH101	1.00	2.50	50	Terminated at target depth following SPT refusals. No visual evidence of contamination. Olfactory evidence limited to organic odour from 0.4-0.9m. No information available for hole/casing diameter, chiselling, flush details or water added.

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446768.35

Ground Level (mAOD)
105.89
Northing (OS mN)
298355.92

Start Date
23/06/2022
End Date
27/06/2022

Scale
1:50
Sheet 1 of 2

Progress		Samples		Tests and Measurements				Strata							Depth (Thickness)	Level	Install/ Backfill
Date / Time Casing / DTW		Type - Depth (m)		Type - Depth (m) - Result		Fracture Details	TCR SCR RQD	Description		Legend							
2022/06/23 16:23 - / -		(D4) 0.50 (ES1) 0.50		PID 0.50m <1ppm				Grass over loose brown gravelly clayey SAND with abundant rootlets. Gravel is fine to medium subangular to subrounded of chert and flint. [TOPSOIL]							(0.90)		
		(ES2) 0.90-1.00 (D5) 1.00		PID 0.90m <1ppm				Medium dense dark reddish brown very clayey gravelly fine to coarse SAND with occasional rootlets. Gravel is fine to coarse subangular to rounded of chert and flint. [WIGSTON MEMBER]							0.90	104.99	
2022/06/23 17:23 - / -				SPT(C) 1.20m N=21 (2,2/4,6,5,6)											(1.60)		
2022/06/24 08:46 - / -		(D6) 1.75		SPT(C) 2.00m N=13 (3,4/3,3,4,3)													
		(ES3) 2.50		PID 2.50m 6.1ppm				Soft brownish red mottled grey slightly gravelly very sandy CLAY. Gravel is fine to medium subrounded to subangular of chert and siltstone. Sand is fine to coarse. Pockets of grey silt throughout. [THRUSSINGTON MEMBER]							2.50	103.39	
		(D7) 2.75													(1.50)		
		(UT8) 3.00-3.45 13 blows 80%rec															
		(D9) 3.45-3.50 (B10) 3.50-4.00															
		(SPTLS11) 4.00-4.45		SPT(S) 4.00m N=13 (2,3/3,2,4,4)				Firm dark red mottled grey slightly sandy CLAY with occasional silt pockets Sand is fine to coarse [THRUSSINGTON MEMBER]							4.00	101.89	
		(D12) 4.75															
		(U13) 5.00-5.45 32 blows 95%rec													(2.10)		
		(D14) 5.45-5.50															
		(SPTLS15) 6.00-6.38		SPT(S) 6.00m N>50 (6,8/12,13,25,0 for 0mm)				Very stiff friable dark brownish red slightly silty CLAY with rare bands of siltstone throughout. [GUNTORPE MEMBER]							6.10	99.79	
		(D16) 6.75															
		(B18) 7.00-7.50 (SPTLS17) 7.00-7.39		SPT(S) 7.00m N>50 (3,5/10,13,19,8 for 15mm)													
		(D19) 7.75															
		(B21) 8.00-8.50 (SPTLS20) 8.00-8.27		SPT(S) 8.00m N>50 (5,12/23,27 for 45mm)											(4.17)		
		(D22) 8.75															
		(B24) 9.00-9.50 (SPTLS23) 9.00-9.43		SPT(S) 9.00m N>50 (8,11/13,13,13,11 for 45mm)													
2022/06/25 17:12 - / -																	
2022/06/27 09:12 - / -		(D25) 9.75															
		(SPTLS26) 10.00-10.26		SPT(S) 10.00m N>50 (6,11/24,26 for 40mm)													
DRILLING TECHNIQUE		HOLE / CASING DIAMETER			CHISELLING			WATER OBSERVATIONS					FLUSH DETAILS			WATER ADDED	
From	To	Type	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Duration	Date/Time	Strike	Rest	Mins	Casing	Sealed	From	To
0.00	1.20	Inspection Pit Cable Percussion															
INSTRUMENTS			WELL SCREEN DESIGN				REMARKS										
Name	Type	m AGL	Well Name	From	To	Dia.	Terminated at target depth following SPT refusals. No visual or olfactory evidence of contamination identified. No water observations made. No information available for hole/casing diameter, chiselling, flush details, or water added.										
BH102	Standpipe	0.000	BH102	1.00	2.50	50											



Unless otherwise stated:
Depth (m), Diameter (mm), Time (hhmm),
Thickness (m), Level (mAOD),
Height Above Ground Level (m AGL)

Equipment Used
Dando 150, Hand Tools

Termination Depth
10.27m

Logged By
TL

Checked By
RL & TA

Scale
1:50

Sheet 2 of 2

Date / Time
Casing / DTW

From
0.00
1.20

Name
BH102

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446797.76

Ground Level (mAOD)
110.85
Northing (OS mN)
298311.17

Start Date
20/06/2022
End Date
21/06/2022

Scale
1:50
Sheet 1 of 2

Progress	Samples	Tests and Measurements				Strata		Depth (Thickness)	Level	Install/ Backfill
Date / Time Casing / DTW	Type - Depth (m)	Type - Depth (m) - Result	Fracture Details	TCR SCR RQD	Description	Legend				
(ESES1) 0.10-0.20	PID 0.10m <1ppm				MADE GROUND: Grass over brown sandy gravel with occasional brick and concrete cobbles . Gravel is fine to coarse subangular of brick, concrete and limestone.			(0.35)	110.50	
(D1) 0.30								0.35		
(B3) 0.50-1.00	PID 0.50m <1ppm				MADE GROUND: Brown slightly silty slightly gravelly fine to medium sand. Gravel is medium to coarse subrounded of metaquartzite and brick fragments.			(0.75)		
(ESES2) 0.50-0.60										
(D2) 0.75								1.10	109.75	
(B4) 1.20-1.65	PID 1.00m <1ppm PID 1.10m <1ppm SPT(C) 1.20m N=9 (1,2/1,2,3,3)				Loose reddish brown slightly gravelly silty fine to medium SAND. Gravel is fine to coarse subrounded of siltstone, sandstone and quartzite.					
(D5) 1.75	PID 1.75m <1ppm				[WIGSTON MEMBER]					
(B6) 2.00-2.45	SPT(C) 2.00m N=17 (2,3/3,6,4,4)									
(D7) 2.75										
(B8) 3.00-3.45	SPT(C) 3.00m N=4 (1,1/1,1,1,1)									
(D9) 3.75								(4.80)		
(B10) 4.00-4.45	SPT(S) 4.00m N=5 (1,1/1,1,1,2)				frequent thin bands of clay. 4-5.9m bgl					
(B11) 4.75										
(B12) 5.00-5.45	SPT(S) 5.00m N=13 (1,1/2,4,3,4)				Becoming medium dense					
(SPTLS) 5.00-5.45										
(D13) 5.75								5.90	104.95	
(B14) 6.00-6.45	SPT(S) 6.00m N=15 (2,2/3,3,4,5)				Firm reddish brown slightly gravelly CLAY. Gravel is fine to medium subrounded to subangular of siltstone and sandstone.			(0.90)		
(SPTLS) 6.00-6.45					[THRUSINGTON MEMBER]					
(D15) 6.75								6.80	104.05	
(U16) 7.00-7.45					Very stiff reddish brown slightly gravelly CLAY. Gravel is fine to medium subrounded of siltstone and sandstone.					
33 blows 80%rec					[GUNTHORPE MEMBER]					
(D21) 7.45-7.50										
(D17) 7.75										
(B19) 8.00-8.45	SPT(S) 8.00m N=39 (3,5/6,7,12,14)							(2.70)		
(SPTLS20) 8.00-8.45										
(D22) 9.00-9.45										
(U21) 9.00-9.45										
51 blows 70%rec										
(B23) 9.50-10.00					Extremely weak narrowly bedded reddish brown mottled grey MUDSTONE recovered as reddish brown fine to medium sub-angular gravel. Distinctly weathered to clay in places.			9.50	101.35	
(SPTLS24) 10.00-10.34	SPT(S) 10.00m N>50 (10,10/15,18,17 for 40mm)				[GUNTHORPE MEMBER] Becomes very weak and partially weathered. 10-10.45m bgl			(0.95)		

DRILLING TECHNIQUE			HOLE / CASING DIAMETER				CHISELLING			WATER OBSERVATIONS						FLUSH DETAILS				WATER ADDED		
From	To	Type	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Duration	Date/Time	Strike	Rest	Mins	Casing	Sealed	From	To	Rtn%	Type	From	To	Litres
0.00	1.20	Inspection Pit	150	10.45	150	6.00				21/06/2022 13:52	3.70	3.00	20	3.00	4.00							
1.20	10.45	Cable Percussion			150	10.00																

INSTRUMENTS			WELL SCREEN DESIGN				REMARKS				
Name	Type	m AGL	Well Name	From	To	Dia.					
BH103	Standpipe	0.000	BH103	2.00	5.00	50	Terminated at target depth following SPT refusals. No visual or olfactory evidence of contamination identified. No water observations made. No information available for hole/casing diameter, chiselling, flush details, or water added.				

Scale
1:50

Sheet 2 of 2

Date / Time

From
0.00
1.20

Name
BH103

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446795.88

Ground Level (mAOD)
114.50
Northing (OS mN)
298258.79

Start Date
28/06/2022
End Date
28/06/2022

Scale
1:50
Sheet 1 of 2

Progress	Samples	Tests and Measurements				Strata		Depth (Thickness)	Level	Install/Backfill
Date / Time Casing / DTW	Type - Depth (m)	Type - Depth (m) - Result	Fracture Details	TCR SCR RQD	Description	Legend				
2022/06/28 11:34 - / -	(B5) 0.10-0.50				CONCRETE no reinforcement [MADE GROUND]			0.10	114.40	
	(ES1) 0.30-0.40	PID 0.30m <1ppm			MADE GROUND: Very loose light brown very gravelly fine to coarse sand with frequent cobbles of brick and chert. Gravel is fine to coarse subrounded to angular of chert, brick and concrete.			(0.50)		
	(B6) 0.60-1.10 (ES2) 0.60-0.70	PID 0.70m <1ppm			[MADE GROUND] Loose dark brown slightly gravelly clayey fine to coarse SAND. Gravel is fine to medium subangular to subrounded of chert.			0.60	113.90	
	(D7) 1.20 (UT8) 1.20-1.65 13 blows 100%rec (B10) 1.50-2.00 (D9) 1.65-1.70				[WIGSTON MEMBER]			(0.90)		
	(B11) 2.00-2.45 (SPTLS) 2.00-2.45	SPT(S) 2.00m N=6 (1,1/1,1,2,2)			Soft dark reddish brown slightly gravelly sandy CLAY. Gravel is fine to medium subangular to subrounded of siltstone. Sand is fine to coarse.			1.50	113.00	
	(ES3) 2.40-2.50	PID 2.50m <1ppm			[THRUSINGTON MEMBER]			(0.90)		
	(D12) 2.70				Very soft locally soft dark reddish brown slightly gravelly sandy CLAY with rare cobbles of rounded chert. Gravel is fine to medium subrounded to rounded of chert. Sand is fine to coarse. Black organic matter and organic odour noted throughout.			2.40	112.10	
	(UT13) 3.00-3.45 20 blows 100%rec (D14) 3.45-3.50 (D15) 3.80				[THRUSINGTON MEMBER]			(1.40)		
	(B16) 4.00-4.45 (SPTLS4) 4.00-4.45	PID 4.00m <1ppm SPT(S) 4.00m N=3 (2,1/1,1,0,1)			Very soft brownish red mottled black and yellow slightly gravelly sandy CLAY. Gravel is fine to coarse subrounded to rounded of chert. Sand is fine to coarse. Pockets of grey silt and black organic matter throughout.			3.80	110.70	
	(D17) 4.75				[THRUSINGTON MEMBER]			(1.20)		
	(B18) 5.00-5.45 (SPTLS) 5.00-5.45	SPT(S) 5.00m N=10 (1,1/2,2,3,3)			Soft brownish red silty very sandy CLAY. Sand is fine to medium. Sand and silt found as pockets throughout.			5.00	109.50	
	(D19) 5.75				[THRUSINGTON MEMBER]			(1.00)		
	(B20) 6.00-6.45 (SPTLS) 6.00-6.45	SPT(S) 6.00m N=7 (1,0/1,2,2,2)			Medium dense dark reddish brown very silty fine to medium SAND.			6.00	108.50	
	(D21) 6.75 (B22) 7.00-7.50				[THRUSINGTON MEMBER]					
	(B23) 8.00-8.45 (SPTLS) 8.00-8.45	SPT(S) 8.00m N=19 (1,2/3,4,5,7)			Becoming medium dense			(4.30)		
	(D24) 8.75									
	(B25) 9.00-9.45 (SPTLS) 9.00-9.45	SPT(S) 9.00m N=23 (1,1/5,5,6,7)								
	(D26) 9.75									
		SPT(S) 10.00m N=28 (4,3/5,5,7,11)								

DRILLING TECHNIQUE			HOLE / CASING DIAMETER				CHISELLING			WATER OBSERVATIONS						FLUSH DETAILS				WATER ADDED		
From	To	Type	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Duration	Date/Time	Strike	Rest	Mins	Casing	Sealed	From	To	Rtn%	Type	From	To	Litres
0.00	1.20	Inspection Pit								28/06/2022 14:33	6.00	5.80	20									
1.20	12.40	Cable Percussion																				

INSTRUMENTS			WELL SCREEN DESIGN				REMARKS				
Name	Type	m AGL	Well Name	From	To	Dia.					
BH104	Standpipe	0.000	BH104	2.00	12.00	50	Terminated at target depth. No visual evidence of contamination identified. Olfactory evidence limited to organic odour from 2.4-5m. No information available for hole/casing diameter, chiselling, flush details, or water added.				

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446795.88

Ground Level (mAOD)
114.50
Northing (OS mN)
298258.79

Start Date
28/06/2022
End Date
28/06/2022

Scale
1:50
Sheet 2 of 2

Progress	Samples	Tests and Measurements			Strata		Depth (Thickness)	Level	Install/Backfill
Date / Time Casing / DTW	Type - Depth (m)	Type - Depth (m) - Result	Fracture Details	TCR SCR RQD	Description	Legend			
2022/06/28 18:25 - / -	(D27) 10.75				Medium dense dark reddish brown very silty fine to medium SAND. [THRUSINGTON MEMBER]		10.30	104.20	
	(SPTLS) 11.00-11.45	SPT(S) 11.00m N=38 (5,5/7,9,11,11)			Very stiff dark brownish red slightly gravelly silty CLAY. Gravel is fine to medium subangular of siltstone. [GUNTHORPE MEMBER]		(2.10)		
	(B28) 11.50-12.00								
	(SPTLS) 12.00-12.40	SPT(S) 12.00m N>50 (5,7/24,12,11,2 for 65mm)					12.40	102.10	

DRILLING TECHNIQUE			HOLE / CASING DIAMETER				CHISELLING			WATER OBSERVATIONS						FLUSH DETAILS				WATER ADDED		
From	To	Type	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Duration	Date/Time	Strike	Rest	Mins	Casing	Sealed	From	To	Rtn%	Type	From	To	Litres
0.00	1.20	Inspection Pit Cable Percussion								28/06/2022 14:33	6.00	5.80	20									

INSTRUMENTS			WELL SCREEN DESIGN				REMARKS
Name	Type	m AGL	Well Name	From	To	Dia.	
BH104	Standpipe	0.000	BH104	2.00	12.00	50	Terminated at target depth. No visual evidence of contamination identified. Olfactory evidence limited to organic odour from 2.4-5m. No information available for hole/casing diameter, chiselling, flush details, or water added.

Scale
1:50

Sheet 1 of 2



AGS
SOLUTIONS

Logged By	Checked By
DF	RL & TA

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446839.90

Ground Level (mAOD)
111.78
Northing (OS mN)
298323.74

Start Date
21/06/2022
End Date
22/06/2022

Scale
1:50
Sheet 2 of 2

Progress	Samples	Tests and Measurements			Strata		Depth (Thickness)	Level	Install/ Backfill
Date / Time Casing / DTW	Type - Depth (m)	Type - Depth (m) - Result	Fracture Details	TCR SCR RGD	Description	Legend			
2022/06/22 16:34 9.00 / 2.80	(SPTLS26) 10.00-10.45				Stiff slightly sandy gravelly CLAY Gravel is fine to medium subrounded of siltstone and quartzite. [GUNTHORPE MEMBER]		10.45	101.33	

DRILLING TECHNIQUE			HOLE / CASING DIAMETER				CHISELLING			WATER OBSERVATIONS						FLUSH DETAILS				WATER ADDED		
From	To	Type	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Duration	Date/Time	Strike	Rest	Mins	Casing	Sealed	From	To	Rtn%	Type	From	To	Litres
0.00	1.20	Inspection Pit	150	10.45	150	9.00				22/06/2022 14:00	4.00	2.80	20	3.00	5.00							
1.20	10.45	Cable Percussion																				

INSTRUMENTS			WELL SCREEN DESIGN			REMARKS					
Name	Type	m AGL	Well Name	From	To	Dia.					
BH105	Standpipe	0.000	BH105	2.00	8.00	50	Terminated at target depth No visual or olfactory evidence of contamination identified. No information available for chiselling, flush details, or water added.				

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446852.64

Ground Level (mAOD)
114.04
Northing (OS mN)
298292.14

Start Date
22/06/2022
End Date
22/06/2022

Scale
1:50
Sheet 1 of 2

Progress		Samples		Tests and Measurements					Strata							Depth (Thickness)		Level		Install/ Backfill																																																			
Date / Time Casing / DTW		Type - Depth (m)		Type - Depth (m) - Result			Fracture Details		TCR SCR ROD	Description				Legend																																																									
	(D4) 0.20 (ES1) 0.20-0.30																																																																						

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446852.64

Ground Level (mAOD)
114.04
Northing (OS mN)
298292.14

Start Date
22/06/2022
End Date
22/06/2022

Scale
1:50
Sheet 2 of 2

Progress	Samples	Tests and Measurements			Strata		Depth (Thickness)	Level	Install/Backfill
Date / Time Casing / DTW	Type - Depth (m)	Type - Depth (m) - Result	Fracture Details	TCR SCR RQD	Description	Legend			
	(B24) 10.30-10.80				Very stiff dark red slightly gravelly sandy CLAY with occasional siltstone inclusions. Gravel is fine to medium sub-rounded of chert. Sand is fine to coarse. [GUNTORPE MEMBER]		10.30	103.74	
	(B25) 11.00-11.45 (SPTLS) 11.00-11.45	SPT(S) 11.00m N=36 (4,4/7,10,9,10)			Very stiff dark red CLAY with frequent light grey siltstone inclusions. [GUNTORPE MEMBER]		(2.20)		
	(D26) 11.75								
	(B27) 12.00-12.45 (SPTLS) 12.00-12.45	SPT(S) 12.00m N=45 (4,6/7,10,13,15)					12.50	101.54	

DRILLING TECHNIQUE			HOLE / CASING DIAMETER			CHISELLING			WATER OBSERVATIONS						FLUSH DETAILS				WATER ADDED			
From	To	Type	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Duration	Date/Time	Strike	Rest	Mins	Casing	Sealed	From	To	Rtn%	Type	From	To	Litres
0.00	1.20	Inspection Pit Cable Percussion								23/06/2022 11:00	7.00	5.70	20									

INSTRUMENTS			WELL SCREEN DESIGN				REMARKS
Name	Type	m AGL	Well Name	From	To	Dia.	
BH106	Standpipe	0.000	BH106	6.00	7.50	50	Terminated at target depth. No visual or olfactory evidence of contamination identified. No information available for hole/casing diameter, chiselling, flush details, or water added.

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446767.22

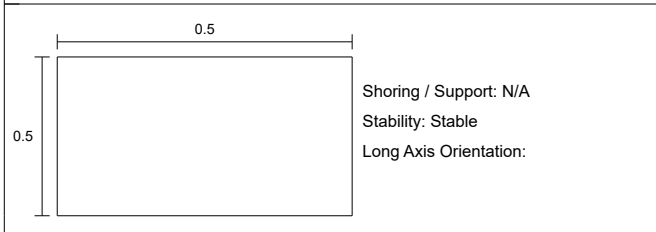
Ground Level (mAOD)
111.36
Northing (OS mN)
298296.61

Start Date
24/06/2022
End Date
24/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES	TESTS	STRATA		Depth (Thickness)	Level	Install/Backfill
Depth - Type	Type - Depth - Result	Description	Legend			
(ES1) 0.30	PID 0.30m <1ppm	MADE GROUND: Grass over brown slightly clayey gravelly fine to coarse sand with frequent rootlets. Gravel is fine to coarse angular to subrounded of chert, brick, concrete, glass, plastic ceramic and rope. Frequent cobbles of brick and concrete. [MADE GROUND]		(0.50)		
(ES2) 0.80	PID 0.80m <1ppm	MADE GROUND: Dark brown clayey gravelly fine to coarse sand. Gravel is fine to coarse angular to subrounded of chert flint and ceramic. Slight Organic odour noted throughout. [MADE GROUND]		0.50 (0.40)	110.86	
(ES3) 1.00	PID 1.00m <1ppm	Dark red very clayey gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to medium of chert and flint. [WIGSTON MEMBER]		0.90 (0.30)	110.46	
				1.20	110.16	

PLAN DETAILS



WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks

INSTRUMENTS

Name	Type	m AGL

REMARKS

Target depth achieved
No visual evidence of gross contamination identified within hand pit. Olfactory evidence limited to organic odour in Made Ground from 0.5-0.9m.
No water observations made.
No available information on instrumentation
Long axis orientation not available

Project
Hilltop Farm
Client
Midland Heart

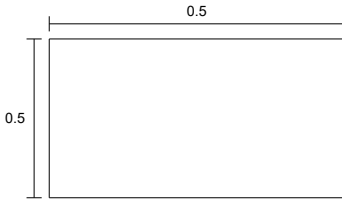
Project No.
10056074
Easting (OS mE)
446794.75

Ground Level (mAOD)
115.02
Northing (OS mN)
298247.32

Start Date
24/06/2022
End Date
24/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result	Description		Legend				
(ES1) 0.40	PID 0.40m <1ppm	CONCRETE no reinforcement [MADE GROUND]			(0.10)			
		MADE GROUND: Light brown slightly gravelly fine to coarse sand with frequent cobbles of brick. Gravel is fine to medium subangular of concrete.			0.10	114.92		
		[MADE GROUND]			(0.20)			
		Dark brownish red slightly clayey gravelly fine to coarse SAND with occasional cobbles of chert. Gravel is fine to coarse subangular to subrounded flint and chert.			0.30	114.72		
		[WIGSTON MEMBER]						
					(0.70)			
					1.00	114.02		

PLAN DETAILS		WATER OBSERVATIONS					INSTRUMENTS		
 Shoring / Support: N/A Stability: Stable Long Axis Orientation:		Date/Time	Strike	Rest	Mins	Remarks	Name	Type	m AGL
		REMARKS							
		Terminated due to obstruction (large cobble) No visual or olfactory evidence of contamination identified. No water observations made. No available information on instrumentation Long axis orientation not available							

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446815.68

Ground Level (mAOD)
114.01
Northing (OS mN)
298279.89

Start Date
24/06/2022
End Date
24/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type		Type - Depth - Result		Description	Legend			
(ES1) 0.50	PID	0.50m	<1ppm	CONCRETE no reinforcement [MADE GROUND]		(0.20)	113.81	
				MADE GROUND: Slightly gravelly sandy cobbles of whole and part brick. Gravel is fine to coarse subrounded to angular of brick and plastic. Sand is fine to medium. [MADE GROUND]		0.20		
				MADE GROUND: Light brown slightly clayey gravelly fine to coarse sand. Gravel is fine to medium subangular to subrounded of brick, concrete, ceramic and chert. [MADE GROUND]		(0.20)	113.61	
						0.40		
(ES2) 1.00	PID	1.00m	<1ppm	Reddish brown slightly clayey gravelly fine to coarse SAND. Gravel is fine to medium subangular to subrounded of flint and chert. [WIGSTON MEMBER]		(0.40)	113.21	
						0.80		
						(0.50)	112.71	
						1.30		

PLAN DETAILS

0.5

0.5

Shoring / Support: N/A

Stability: Stable

Long Axis Orientation:

WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks

INSTRUMENTS

Name	Type	m AGL

REMARKS

Target depth achieved
No visual or olfactory evidence of contamination identified.
No water observations made.
No available information on instrumentation
Long axis orientation not available

Project
Hilltop Farm
Client
Midland Heart

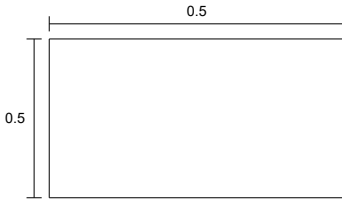
Project No.
10056074
Easting (OS mE)
446817.66

Ground Level (mAOD)
112.61
Northing (OS mN)
298302.36

Start Date
24/06/2022
End Date
24/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type		Type - Depth - Result		Description	Legend			
(ES1) 0.40	PID	0.40m	<1ppm	CONCRETE no reinforcement [MADE GROUND]		(0.20)	112.41	
				MADE GROUND: Light brown slightly clayey gravelly fine to coarse sand. Gravel is fine to coarse angular to subrounded of concrete and ceramic. [MADE GROUND]		0.20		
(ES2) 0.60	PID	0.60m	<1ppm	Reddish brown clayey gravelly fine to coarse SAND. Gravel is fine to medium subrounded of flint and chert. [WIGSTON MEMBER]		(0.30)	112.11	
						0.50		
						(0.80)		
							1.30	
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								
								

PLAN DETAILS				WATER OBSERVATIONS				INSTRUMENTS		
 Shoring / Support: N/A Stability: Stable Long Axis Orientation:				Date/Time	Strike	Rest	Mins	Remarks	Name	Type
				REMARKS						
				Target depth achieved No visual or olfactory evidence of contamination identified. No water observations made. No available information on instrumentation Long axis orientation not available						

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446751.93

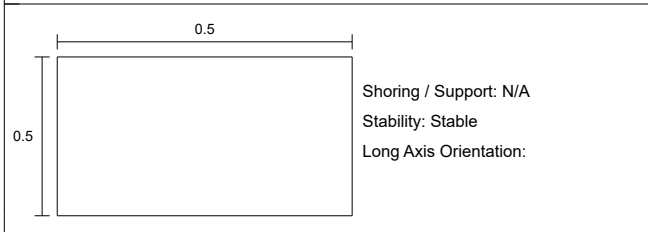
Ground Level (mAOD)
114.10
Northing (OS mN)
298257.20

Start Date
28/06/2022
End Date
28/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type		Type - Depth - Result		Description	Legend			
(ES1) 0.10-0.20		PID 0.20m <1ppm		MADE GROUND: Very loose dark brown gravelly fine to coarse sand with frequent rootlets and cobbles of metal and concrete. Gravel is fine to coarse angular to subrounded of concrete metal plastic rope and chert. Slight organic odour noted throughout. [MADE GROUND]		(1.50)	112.60	

PLAN DETAILS



WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks

INSTRUMENTS

Name	Type	m AGL

REMARKS

Inspection pit in material stockpile which is heavily over grown with weeds. Terminated at target depth
No visual evidence of gross contamination. Organic odour noted throughout.
Long axis orientation not available
No water observations made.
No available information on instrumentation

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446745.03

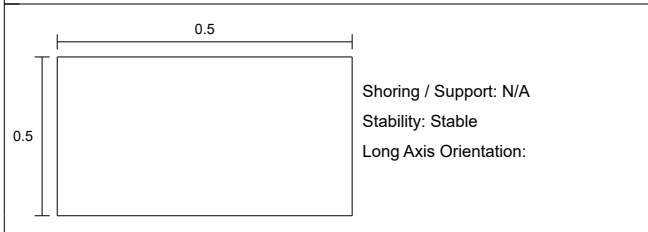
Ground Level (mAOD)
114.10
Northing (OS mN)
298265.55

Start Date
28/06/2022
End Date
28/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type		Type - Depth - Result		Description	Legend			
(ES1) 0.20-0.30		PID 0.30m <1ppm		MADE GROUND: Dark brown slightly gravelly cobbly fine to coarse sand. Cobbles are sub-rounded to angular of wood, metal, plastic and tyres. Gravel is fine to coarse angular of wood, plastic, metal and rope. Organic odour noted throughout. [MADE GROUND]		(1.50)		
						1.50	112.60	

PLAN DETAILS



WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks

INSTRUMENTS

Name	Type	m AGL

REMARKS

Inspection pit in material stockpile which is heavily over grown with weeds. Terminated at target depth
No visual evidence of gross contamination. Organic odour noted throughout.
No water observations made.
No available information on instrumentation
Long axis orientation not available

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446820.29

Ground Level (mAOD)
110.80
Northing (OS mN)
298328.01

Start Date
28/06/2022
End Date
28/06/2022

Scale
1:25

Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result		Description	Legend				
(ES1) 0.30	PID	0.30m	1.6ppm	MADE GROUND: Grass over light brown slightly silty slightly gravelly fine to coarse sand. Gravel is fine to medium angular to subrounded of glass and chert. [MADE GROUND]		(0.30)	110.50	
						0.30		

PLAN DETAILS		WATER OBSERVATIONS					INSTRUMENTS		
0.5 0.5 Shoring / Support: N/A Stability: Stable Long Axis Orientation:	Date/Time	Strike	Rest	Mins	Remarks	Name	Type	m AGL	
	REMARKS								
	Terminated at target depth. No visual or olfactory evidence of contamination identified. No water observations made. No available information on instrumentation Long axis orientation not available								

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446722.01

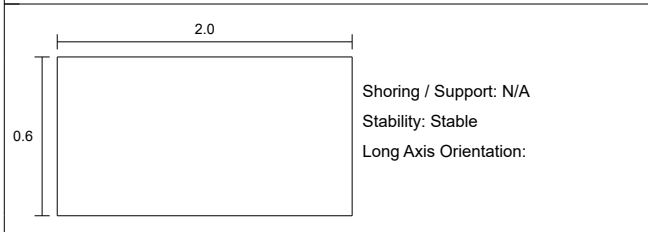
Ground Level (mAOD)
106.69
Northing (OS mN)
298331.58

Start Date
21/06/2022
End Date
21/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type		Type - Depth - Result		Description	Legend			
(B3) 0.40 (D2) 0.40 (ES1) 0.40	PID	0.40m	<1ppm	Light greyish brown very gravelly fine to coarse SAND with frequent roots and rootlets Gravel is fine to coarse subangular to subrounded of chert. [TOPSOIL]		(0.40)	106.29	
				Light orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is fine to medium subrounded to rounded of chert and quartz. [WIGSTON MEMBER]		0.40		
(B6) 1.20 (D5) 1.20 (ES4) 1.20	PID	1.20m	<1ppm	Dark red slightly sandy slightly gravelly CLAY. Gravel is fine subrounded of flint and chert. [THRUSSINGTON MEMBER]		1.20	105.49	
(B7) 2.20	PID	2.20m	<1ppm			(2.00)		
(B10) 3.20 (D9) 3.20 (ES8) 3.20	HV(1) HV(2) HV(3) PID	3.00m	80 (kPa) 55 (kPa) 50 (kPa) <1ppm	Hand Shear Vane found clay to be firm from 3m			103.49	
						3.20		

PLAN DETAILS



WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks

INSTRUMENTS

Name	Type	m AGL

REMARKS

Hole terminated at hard light grey Siltstone band. Unable to continue excavations.
No visual or olfactory evidence of contamination identified.
No water observations made.
Long axis orientation not available
No available information on instrumentation

Project
Hilltop Farm
Client
Midland Heart

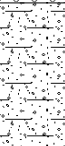
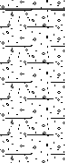
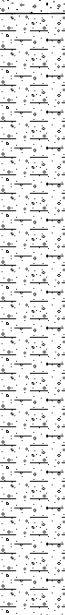
Project No.
10056074
Easting (OS mE)
446748.83

Ground Level (mAOD)
106.74
Northing (OS mN)
298344.95

Start Date
21/06/2022
End Date
21/06/2022

Scale
1:25

Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result		Description	Legend				
(B3) 0.30 (D2) 0.30 (ES1) 0.30	PID	0.30m	<1ppm	MADE GROUND: Grass over light brown gravelly fine to coarse sand with abundant rootlets. Gravel is fine to coarse subangular to rounded of metal, ceramic and glass. [MADE GROUND]		0.30	106.44	
				Light orangish brown slightly clayey gravelly fine to coarse SAND with occasional rootlets. Gravel is fine to coarse subangular to rounded of chert and quartz. [WIGSTON MEMBER]		0.30 0.50		
(B6) 0.80 (D5) 0.80 (ES4) 0.80	PID	0.80m	<1ppm	Dark brownish red slightly gravelly very clayey fine to coarse SAND. Gravel is Fine to coarse subrounded to angular of chert, quartz and light grey siltstone. [WIGSTON MEMBER]		0.80 0.60	105.94	
								
(B9) 1.40 (D8) 1.40 (ES7) 1.40	PID	1.40m	<1ppm	Dark red very sandy gravelly CLAY with rare cobbles of light grey siltstone/sandstone. Gravel is fine to medium subangular to subrounded of chert and siltstone. Sand is fine to coarse. [THRUSSINGTON MEMBER]		1.40 <		

PLAN DETAILS		WATER OBSERVATIONS					INSTRUMENTS		
 Shoring / Support: N/A Stability: Stable Long Axis Orientation:	Date/Time	Strike	Rest	Mins	Remarks	Name	Type	m AG	
	REMARKS								
Hole terminated due to excavator reach and capability. No visual or olfactory evidence of contamination identified. No water observations made. No available information on instrumentation Long axis orientation not available									

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446760.71

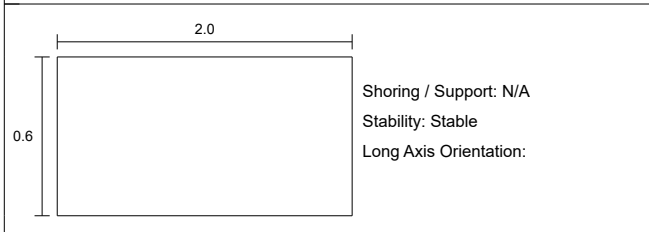
Ground Level (mAOD)
105.64
Northing (OS mN)
298359.63

Start Date
21/06/2022
End Date
21/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES	TESTS	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result	Description	Legend			
(B1) 0.50 (D2) 0.50 (ES3) 0.50	PID 0.50m <1ppm	Grass over orangish brown slightly silty gravelly SAND with frequent rootlets. Gravel is fine to coarse subrounded to rounded of chert and quartz. Sand is fine to coarse. [TOPSOIL]		(0.50)	105.14	
		Dark brownish red slightly clayey very gravelly fine to coarse SAND with occasional rootlets. Gravel is fine to coarse subangular to rounded of chert and quartz. [WIGSTON MEMBER]		0.50		
(B4) 2.00 (D5) 2.00 (ES6) 2.00	PID 2.00m <1ppm	Dark red very sandy gravelly CLAY. Gravel is fine to coarse subrounded to rounded of chert. Sand is fine to coarse. Occasional pockets of light grey silt throughout. [THRUSINGTON MEMBER]		(1.50)	103.64	
				2.00		
(B7) 3.00 (D8) 3.00 (ES9) 3.00	PID 3.00m <1ppm HV(1) 3.00m 52 (kPa) HV(2) 3.00m 55 (kPa) HV(3) 3.00m 58 (kPa)	Hand Shear Vane found clay to be firm from 3m		(1.60)	102.04	
				3.60		

PLAN DETAILS



WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks

INSTRUMENTS

Name	Type	m AGL

REMARKS

Hole terminated due to excavator reach and capability.
No visual or olfactory evidence of contamination identified.
No water observations made.
No available information on instrumentation
Long axis orientation not available

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446804.33

Ground Level (mAOD)
106.64
Northing (OS mN)
298367.98

Start Date
22/06/2022
End Date
22/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES	TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result		Description	Legend			
(B1) 0.30 (ES3) 0.30	PID	0.30m <1ppm	Light brown slightly gravelly fine to coarse SAND with abundant rootlets. Gravel is fine to coarse subangular to rounded of chert. [TOPSOIL]		(0.30)	106.34	
(B4) 0.60			Dark red slightly gravelly very clayey fine to coarse SAND with rare cobbles of subrounded chert. Gravel is fine to medium subangular to subrounded of chert. Occasional pockets of silt throughout. [WIGSTON MEMBER]		0.30		
(B5) 1.00 (B6) 1.00 (ES8) 1.00	PID	1.00m <1ppm	Sand found to be loose				
(B11) 2.00 (B9) 2.00 (ES12) 2.00	PID	2.00m <1ppm					
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
				<			

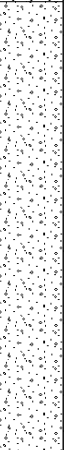
Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446752.01

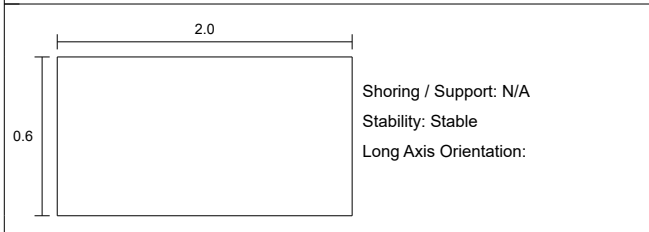
Ground Level (mAOD)
109.43
Northing (OS mN)
298315.43

Start Date
21/06/2022
End Date
21/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES	TESTS	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result	Description	Legend			
(B1) 0.60 (D2) 0.60 (ES3) 0.60	PID 0.60m <1ppm	MADE GROUND: Grass over light brown very gravelly fine to coarse sand with occasional cobbles of brick and concrete. Gravel is fine to coarse subangular to rounded of concrete, brick, glass, chert and flint. [MADE GROUND]		(0.60)	108.83	
		Dark orangish red slightly silty very gravelly fine to medium SAND. Gravel is fine to coarse subangular to rounded of chert, flint and quartz. [WIGSTON MEMBER]		0.60		
(B4) 2.00 (D5) 2.00 (ES6) 2.00	PID 2.00m <1ppm			(1.50)	107.33	
		Dark red slightly gravelly very clayey fine to medium SAND. Gravel is fine to medium subrounded to rounded of chert. [WIGSTON MEMBER]		2.10		
(B7) 3.00 (D8) 3.00 (ES9) 3.00	PID 3.00m <1ppm			(2.20)	105.13	
(B10) 4.00 (D11) 4.00 (ES12) 4.00	PID 4.00m <1ppm					
				4.30		

PLAN DETAILS



WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks

INSTRUMENTS

Name	Type	m AGL

REMARKS

Hole terminated due to excavator reach and capability.
No visual or olfactory evidence of contamination identified.
No water observations made.
No available information on instrumentation
Long axis orientation not available

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446779.59

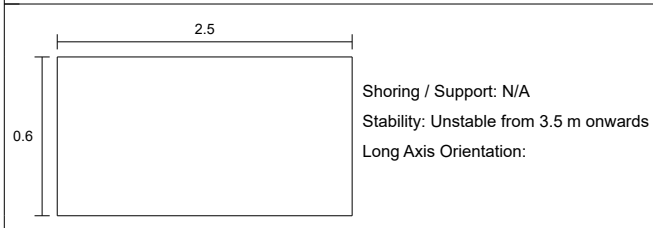
Ground Level (mAOD)
110.79
Northing (OS mN)
298310.50

Start Date
22/06/2022
End Date
22/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES	TESTS	STRATA		Depth (Thickness)	Level	Install/Backfill
Depth - Type	Type - Depth - Result	Description	Legend			
(B1) 0.50 (ES3) 0.50	PID 0.50m <1ppm	MADE GROUND: Grass over dark brown gravelly fine to coarse sand with frequent cobbles of concrete, ceramic, plastic, brick, charcoal and rope. Gravel is fine to coarse angular to subrounded of metal, chert, shale, brick and concrete. [MADE GROUND]		(1.10)		
(B4) 1.20 (ES6) 1.20	PID 1.20m <1ppm	MADE GROUND: Dark grey mottled reddish brown slightly gravelly fine to coarse sand with occasional cobbles of concrete. Gravel is fine to medium subrounded to angular of bituminous material and concrete. Organic odour noted throughout. [MADE GROUND]		1.10 (0.70)	109.69	
(B7) 2.00 (ES9) 2.00	PID 2.00m <1ppm	Dark red slightly gravelly very clayey fine to coarse SAND with occasional silt pockets. Gravel is fine to coarse subrounded to rounded of chert. [WIGSTON MEMBER]		1.80 (2.00)	108.99	
				3.80	106.99	

PLAN DETAILS



WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks
22/06/2022 15:05	3.60	3.60	20	

INSTRUMENTS

Name	Type	m AGL

REMARKS

Hole terminated due to excavator reach and capability.
No visual evidence of contamination identified. Olfactory evidence limited to organic odour between 1.1m and 1.8m.
No available information on instrumentation
Long axis orientation not available

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446814.73

Ground Level (mAOD)
109.17
Northing (OS mN)
298341.41

Start Date
22/06/2022
End Date
22/06/2022

Scale
1:25

Sheet 1 of 1

SAMPLES	TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result		Description	Legend			
(B1) 0.30 (ES3) 0.30			Grass over light brown slightly gravelly clayey SAND with abundant rootlets. Gravel is fine to coarse subrounded to rounded of chert. Sand is fine to coarse. [TOPSOIL]		(0.30)	108.87	
			Dark red clayey very gravelly fine to coarse SAND with occasional cobbles of chert. Gravel is fine to coarse subangular to rounded of chert, flint and quartz. [WIGSTON MEMBER]		0.30		
(B4) 1.00 (ES6) 1.00					(1.10)		
(B7) 2.00 (ES9) 2.00			Dark red very clayey slightly gravelly fine to coarse SAND with occasional silt pockets. Gravel is fine to coarse subrounded of chert. [WIGSTON MEMBER]		1.40	107.77	
					(1.20)		
			Dark red very sandy CLAY. Sand is fine to coarse. Unit is wet [THRUSSEINGTON MEMBER]		2.60	106.57	
					(0.80)		
	HV(1) 3.00m 5 (j)kPa HV(2) 3.00m 20 (j)kPa HV(3) 3.00m 40 (j)kPa		Hand Shear Vane found clay to be soft / very soft from 3m		3.40	105.77	

PLAN DETAILS		WATER OBSERVATIONS					INSTRUMENTS		
2.5 0.6 Shoring / Support: N/A Stability: Unstable from 0-1.4m Long Axis Orientation:		Date/Time	Strike	Rest	Mins	Remarks	Name	Type	m AGL
		REMARKS							
		Hole terminated due to excavator reach and capability. No visual or olfactory evidence of contamination identified. No water observations made. No available information on instrumentation Long axis orientation not available							

Project
Hilltop Farm
Client
Midland Heart

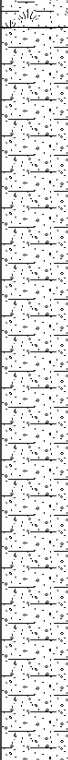
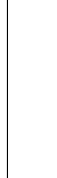
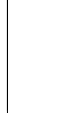
Project No.
10056074
Easting (OS mE)
446834.31

Ground Level (mAOD)
110.00
Northing (OS mN)
298350.03

Start Date
22/06/2022
End Date
22/06/2022

Scale
1:25

Sheet 1 of 1

SAMPLES	TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result		Description	Legend			
(B1) 0.30 (ES3) 0.30	PID	0.30m <1ppm	Grass over brown very gravelly fine to coarse SAND with abundant rootlets. Gravel is fine to coarse subangular to rounded of chert and flint. [TOPSOIL]		0.50	109.50	
			Light to dark red slightly clayey gravelly fine to coarse SAND. Gravel is fine to coarse subrounded to rounded of chert and flint. [WIGSTON MEMBER]				
(B4) 1.00 (ES6) 1.00	PID	1.00m <1ppm			(2.50)		
							
(B7) 3.00 (ES9) 3.00	PID	3.00m <1ppm	Dark red slightly gravelly very clayey fine to coarse SAND with occasional silt pockets. Gravel is fine to medium subrounded to rounded of chert. Unit is moist [WIGSTON MEMBER]		3.00	107.00	
					(0.60)		
					3.60	106.40	

PLAN DETAILS		WATER OBSERVATIONS					INSTRUMENTS		
2.5 0.6 Shoring / Support: N/A Stability: Stable Long Axis Orientation:		Date/Time	Strike	Rest	Mins	Remarks	Name	Type	m AGL
	REMARKS								
		Hole terminated due to excavator reach and capability. No visual or olfactory evidence of contamination identified. No water observations made. No available information on instrumentation Long axis orientation not available							

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446757.04

Ground Level (mAOD)
113.00
Northing (OS mN)
298279.39

Start Date
21/06/2022
End Date
21/06/2022

Scale
1:25

Sheet 1 of 1

SAMPLES	TESTS		STRATA		Depth (Thickness)	Level	Install Backfill
Depth - Type	Type - Depth - Result		Description	Legend			
(B3) 0.30 (D5) 0.30 (ES1) 0.30	PID	0.30m 2.2ppm	MADE GROUND: Grass over dark brown gravelly fine to coarse sand with occasional cobbles of brick and concrete. Gravel is fine to coarse subrounded to angular of brick, concrete, ceramic and plastic and roots. [MADE GROUND]	 Rubber tyre	(0.40)	112.60	
			Light orangish brown slightly silty gravelly fine to medium SAND. Gravel is fine to coarse subangular to rounded of chert and quartz. [WIGSTON MEMBER]		0.40		
(B4) 0.60 (D6) 0.60 (ES2) 0.60	PID	0.60m <1ppm			(1.20)		
(B7) 1.60 (D8) 1.60 (ES9) 1.60					1.60	111.40	
					(2.10)		
(B10) 3.70 (D11) 3.70 (ES12) 3.70	PID	3.70m <1ppm			3.70	109.30	

PLAN DETAILS		WATER OBSERVATIONS					INSTRUMENTS		
2.0 0.6 Shoring / Support: N/A Stability: Stable Long Axis Orientation:	Date/Time	Strike	Rest	Mins	Remarks	Name	Type	m AG	
	21/06/2022 11:06	3.70	3.70	20					
	REMARKS								
Hole terminated due to excavator reach and capability. Elevated PID results may be due to samples exposure to direct sunlight. No visual or olfactory evidence of contamination identified. No water observations made. No available information on instrumentation Long axis orientation not available									

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446770.04

Ground Level (mAOD)
114.55
Northing (OS mN)
298251.31

Start Date
22/06/2022
End Date
22/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES		TESTS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result	Description		Legend				
(B1) 0.40 (ES3) 0.40	PID 0.40m <1ppm	CONCRETE [MADE GROUND]			(0.30)	114.25		
		Dark orangish red slightly gravelly clayey fine to coarse SAND with occasional cobbles of chert. Gravel is fine to coarse rounded to subangular of chert and flint. [WIGSTON MEMBER]			0.30			
(B4) 1.00 (ES6) 1.00	PID 1.00m <1ppm				(1.10)	113.15		
					1.40			
(B7) 1.50 (ES9) 1.50	PID 1.50m <1ppm	Dark red slightly gravelly very clayey fine to coarse SAND. Gravel is fine to medium subrounded of chert. Unit is moist [WIGSTON MEMBER]			(2.30)	110.85		
					3.70			

PLAN DETAILS		WATER OBSERVATIONS					INSTRUMENTS		
2.5 0.6 Shoring / Support: N/A Stability: Stable Long Axis Orientation:	Date/Time	Strike	Rest	Mins	Remarks	Name	Type	m AGL	
	REMARKS								
	Hole terminated due to excavator reach and capability. No visual or olfactory evidence of contamination identified. No water observations made. No available information on instrumentation Long axis orientation not available								

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446847.86

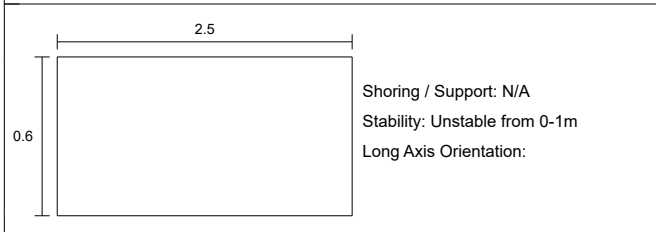
Ground Level (mAOD)
113.29
Northing (OS mN)
298302.01

Start Date
22/06/2022
End Date
22/06/2022

Scale
1:25
Sheet 1 of 1

SAMPLES	TESTS	STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth - Type	Type - Depth - Result	Description	Legend			
(B1) 0.50 (ES3) 0.50	PID 0.50m <1ppm	MADE GROUND: Grass over brownish red slightly clayey gravelly fine to coarse sand with frequent cobbles of brick and concrete. Gravel is fine to coarse angular to subrounded of ceramic, metal, slate and chert. [MADE GROUND]		(0.80)		
(B4) 1.00 (ES6) 1.00		Dark red slightly clayey slightly gravelly fine to coarse SAND with occasional silt pockets Gravel is fine to medium subangular to subrounded of chert and flint. [WIGSTON MEMBER]		0.80	112.49	
(B7) 1.50 (ES9) 1.50				(2.20)		
				3.00	110.29	

PLAN DETAILS



WATER OBSERVATIONS

Date/Time	Strike	Rest	Mins	Remarks

INSTRUMENTS

Name	Type	m AGL

REMARKS

Hole terminated at target depth. Top 0.8m of Made Ground found to be very unstable.
No visual or olfactory evidence of contamination identified.
No water observations made.
No available information on instrumentation
Long axis orientation not available

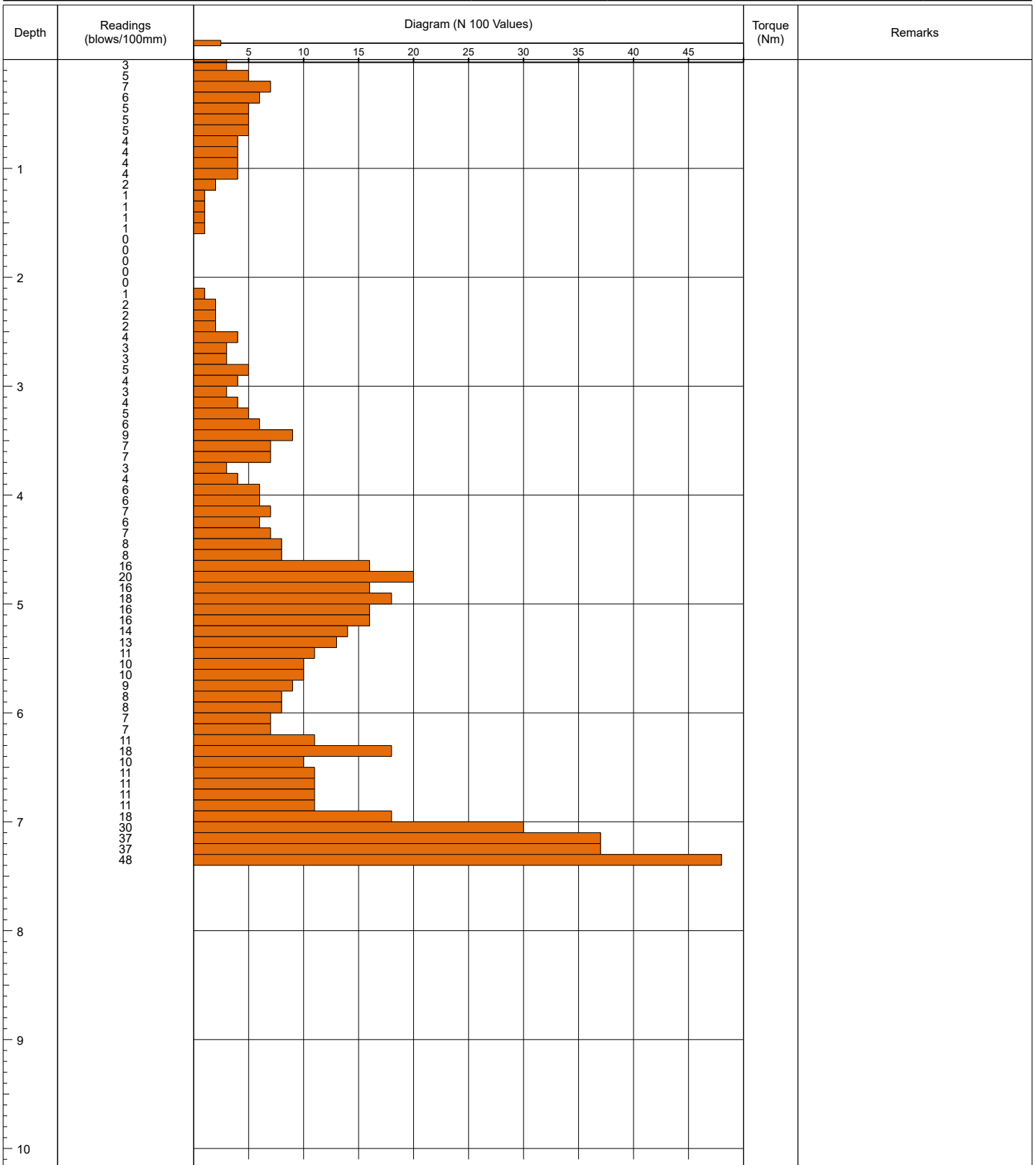
Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446707.20

Ground Level (m OD)
106.16
Northing (OS mN)
298333.06

Start Date
23/06/2022
End Date
23/06/2022

Scale
1:50
Sheet 1 of 1



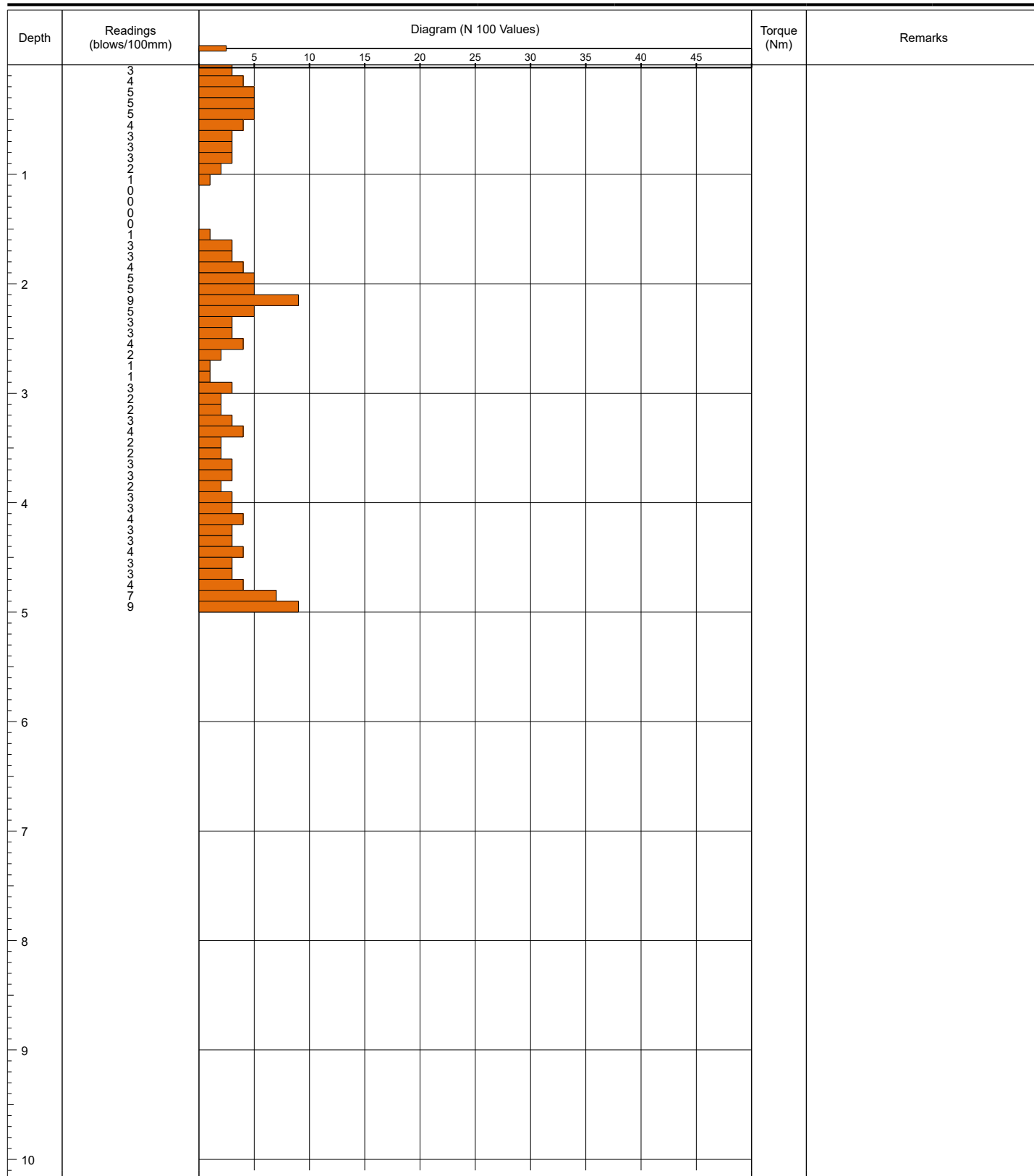
DYNAMIC PROBE DETAILS

Test Type: DPSH-B
 Hammer Mass (kg): 63.5
 Hammer Drop (mm): 760
 Cone Diameter (mm): 6.0
 Rod Diameter (mm): 54.0
 Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:
7.40m



	DYNAMIC PROBE DETAILS
--	-----------------------

Test Type: DPSH-B

Hammer Mass (kg): 63.5

Hammer Drop (mm): 760

Cone Diameter (mm): 6.0

Rod Diameter (mm): 54.0

Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:

5.00m

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446770.65

Ground Level (m OD)
106.46
Northing (OS mN)
298347.67

Start Date
23/06/2022
End Date
23/06/2022

Scale
1:50

Sheet 1 of 1

[illegible]

DYNAMIC PROBE DETAILS	
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Test Type: DPSH-B

Hammer Mass (kg): 63.5

Hammer Drop (mm): 760

Cone Diameter (mm): 6.0

Rod Diameter (mm): 54.0

Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:

5.00m

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446815.76

Ground Level (m OD)
107.72
Northing (OS mN)
298360.65

Start Date
23/06/2022
End Date
23/06/2022

Scale
1:50

Sheet 1 of 1

[illegible]

	DYNAMIC PROBE DETAILS
--	-----------------------

Test Type: DPSH-B

Hammer Mass (kg): 63.5

Hammer Drop (mm): 760

Cone Diameter (mm): 6.0

Rod Diameter (mm): 54.0

Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:
5.00m

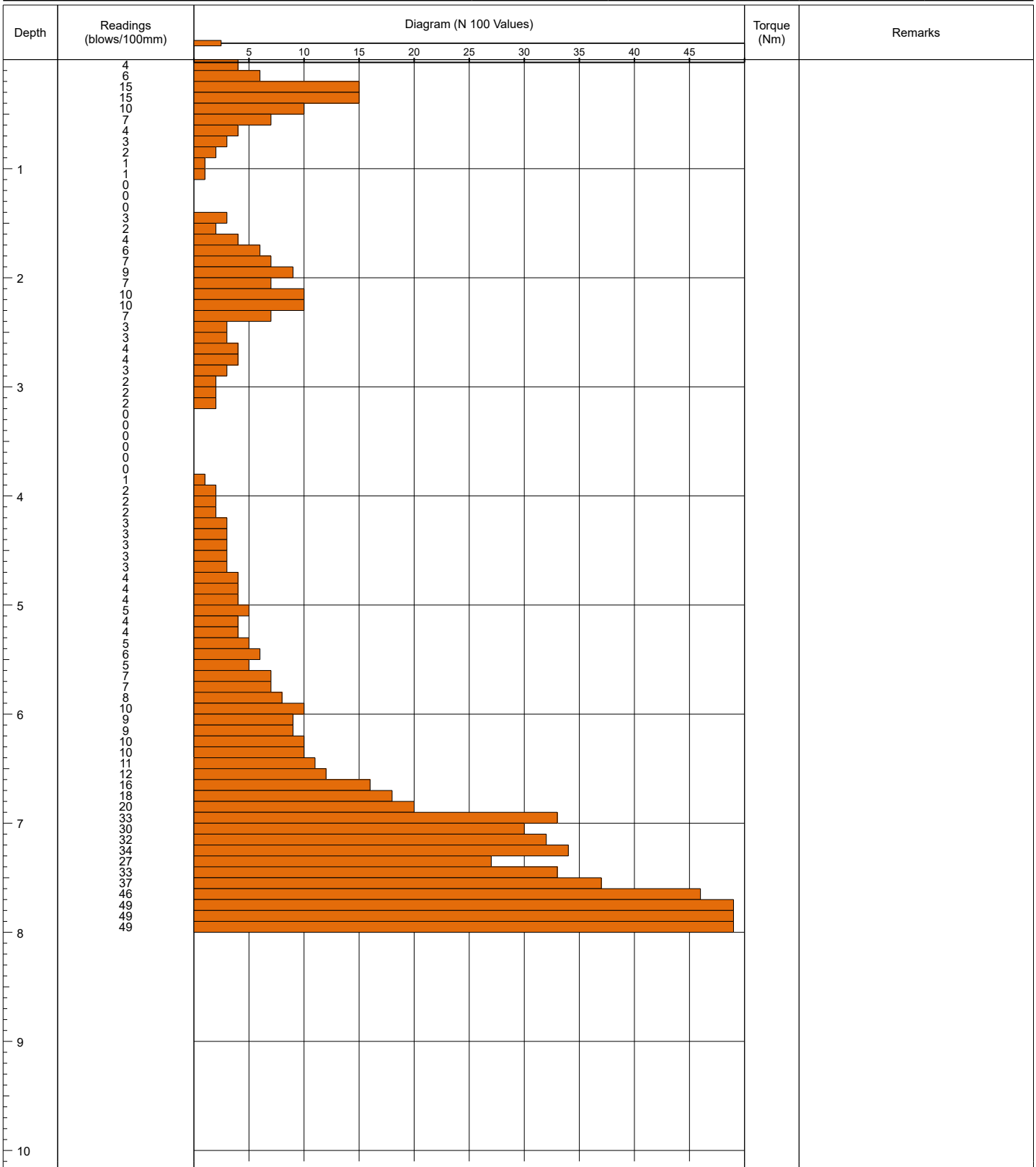
Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446758.70

Ground Level (m OD)
109.25
Northing (OS mN)
298320.73

Start Date
23/06/2022
End Date
23/06/2022

Scale
1:50
Sheet 1 of 1



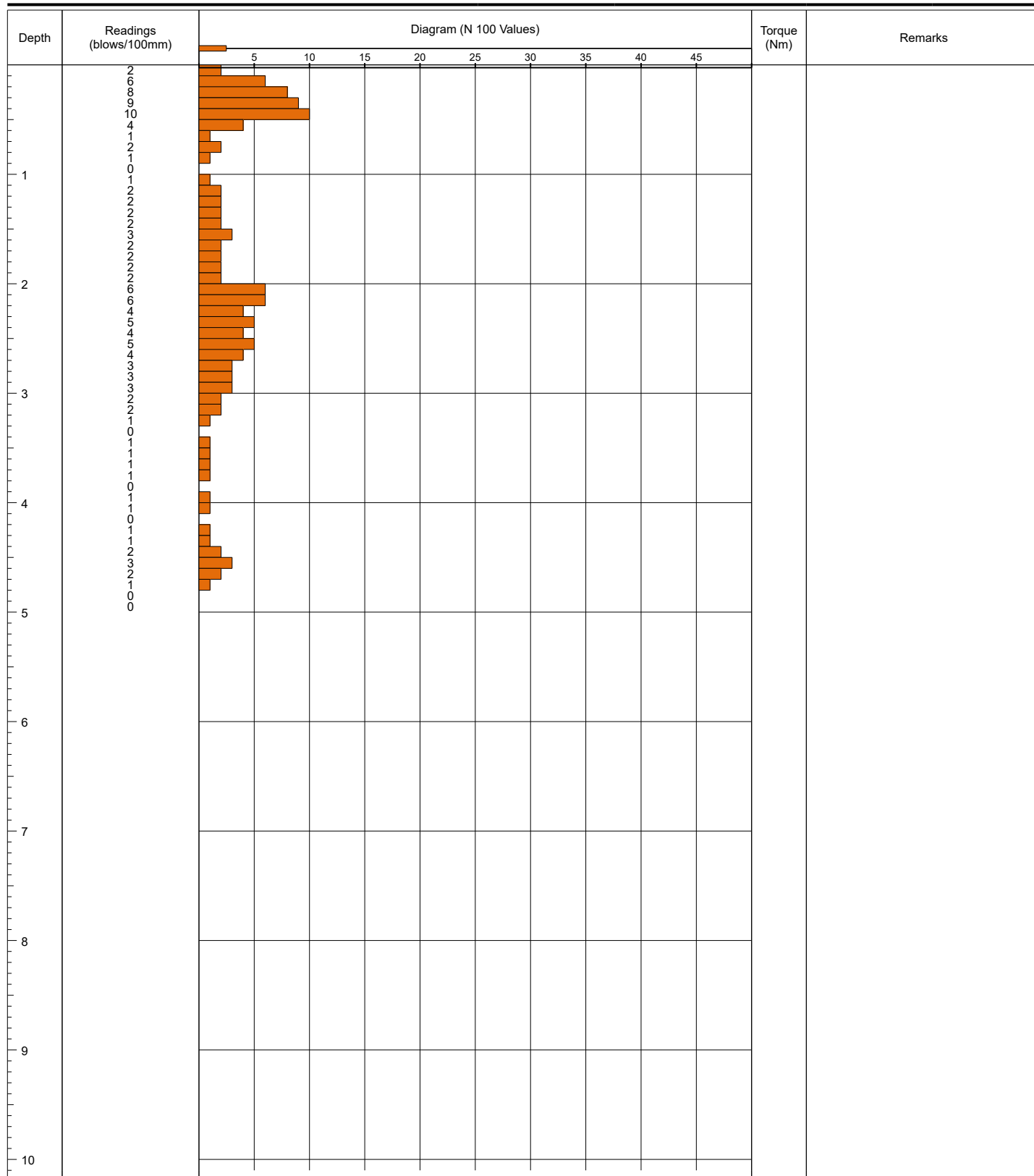
DYNAMIC PROBE DETAILS

Test Type: DPSH-B
 Hammer Mass (kg): 63.5
 Hammer Drop (mm): 760
 Cone Diameter (mm): 6.0
 Rod Diameter (mm): 54.0
 Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:
8.00m



	DYNAMIC PROBE DETAILS
--	-----------------------

Test Type: DPSH-B

Hammer Mass (kg): 63.5

Hammer Drop (mm): 760

Cone Diameter (mm): 6.0

Rod Diameter (mm): 54.0

Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:

5.00m

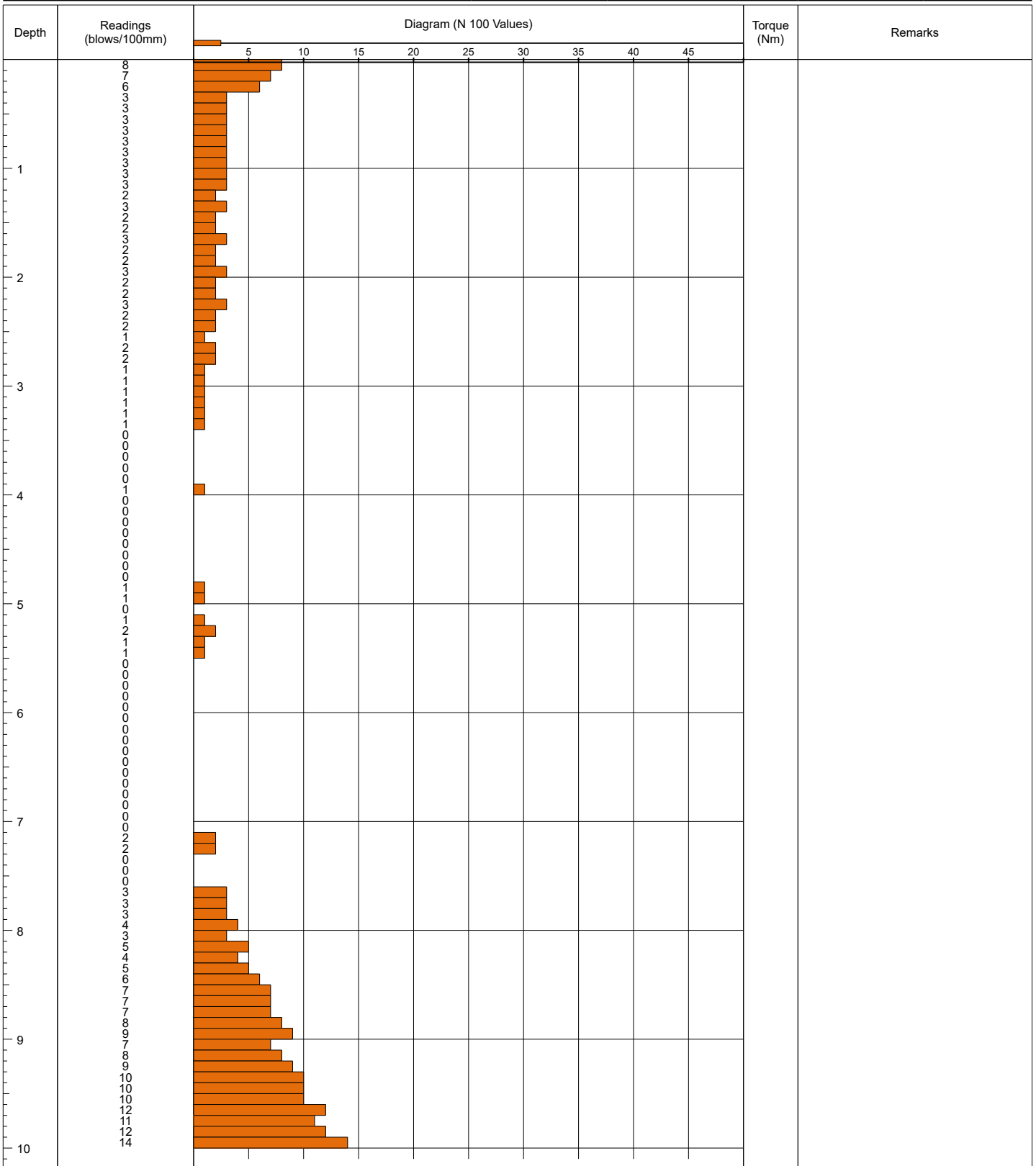
Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446835.74

Ground Level (m OD)
110.82
Northing (OS mN)
298334.32

Start Date
23/06/2022
End Date
23/06/2022

Scale
1:50
Sheet 1 of 1



DYNAMIC PROBE DETAILS

Test Type: DPSH-B
 Hammer Mass (kg): 63.5
 Hammer Drop (mm): 760
 Cone Diameter (mm): 6.0
 Rod Diameter (mm): 54.0
 Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:
10.00m

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446836.04

Ground Level (m OD)
111.78
Northing (OS mN)
298324.11

Start Date
23/06/2022
End Date
23/06/2022

Scale
1:50

Sheet 1 of 2

[illegible]

DYNAMIC PROBE DETAILS	
1	Probe Type: Dynamic
2	Probe Material: Steel
3	Probe Diameter: 1/4 inch
4	Probe Length: 12 inches
5	Probe Weight: 0.5 lbs
6	Probe Frequency: 10 Hz
7	Probe Amplitude: 0.1 inches
8	Probe Velocity: 0.1 inches/sec
9	Probe Acceleration: 0.1 g
10	Probe Temperature: 70°F
11	Probe Humidity: 50%
12	Probe Pressure: 1 atm
13	Probe Vibration: 0.1 g
14	Probe Shock: 0.1 g
15	Probe Noise: 0.1 dB
16	Probe EMI: 0.1 dB
17	Probe RFI: 0.1 dB
18	Probe ESD: 0.1 kV
19	Probe Static: 0.1 kV
20	Probe Dynamic: 0.1 kV
21	Probe Thermal: 0.1 kV
22	Probe Mechanical: 0.1 kV
23	Probe Electrical: 0.1 kV
24	Probe Magnetic: 0.1 kV
25	Probe Optical: 0.1 kV
26	Probe Acoustic: 0.1 kV
27	Probe Vibration: 0.1 kV
28	Probe Shock: 0.1 kV
29	Probe Noise: 0.1 kV
30	Probe EMI: 0.1 kV
31	Probe RFI: 0.1 kV
32	Probe ESD: 0.1 kV
33	Probe Static: 0.1 kV
34	Probe Dynamic: 0.1 kV
35	Probe Thermal: 0.1 kV
36	Probe Mechanical: 0.1 kV
37	Probe Electrical: 0.1 kV
38	Probe Magnetic: 0.1 kV
39	Probe Optical: 0.1 kV
40	Probe Acoustic: 0.1 kV
41	Probe Vibration: 0.1 kV
42	Probe Shock: 0.1 kV
43	Probe Noise: 0.1 kV
44	Probe EMI: 0.1 kV
45	Probe RFI: 0.1 kV
46	Probe ESD: 0.1 kV
47	Probe Static: 0.1 kV
48	Probe Dynamic: 0.1 kV
49	Probe Thermal: 0.1 kV
50	Probe Mechanical: 0.1 kV
51	Probe Electrical: 0.1 kV
52	Probe Magnetic: 0.1 kV
53	Probe Optical: 0.1 kV
54	Probe Acoustic: 0.1 kV
55	Probe Vibration: 0.1 kV
56	Probe Shock: 0.1 kV
57	Probe Noise: 0.1 kV
58	Probe EMI: 0.1 kV
59	Probe RFI: 0.1 kV
60	Probe ESD: 0.1 kV
61	Probe Static: 0.1 kV
62	Probe Dynamic: 0.1 kV
63	Probe Thermal: 0.1 kV
64	Probe Mechanical: 0.1 kV
65	Probe Electrical: 0.1 kV
66	Probe Magnetic: 0.1 kV
67	Probe Optical: 0.1 kV
68	Probe Acoustic: 0.1 kV
69	Probe Vibration: 0.1 kV
70	Probe Shock: 0.1 kV
71	Probe Noise: 0.1 kV
72	Probe EMI: 0.1 kV
73	Probe RFI: 0.1 kV
74	Probe ESD: 0.1 kV
75	Probe Static: 0.1 kV
76	Probe Dynamic: 0.1 kV
77	Probe Thermal: 0.1 kV
78	Probe Mechanical: 0.1 kV
79	Probe Electrical: 0.1 kV
80	Probe Magnetic: 0.1 kV
81	Probe Optical: 0.1 kV
82	Probe Acoustic: 0.1 kV
83	Probe Vibration: 0.1 kV
84	Probe Shock: 0.1 kV
85	Probe Noise: 0.1 kV
86	Probe EMI: 0.1 kV
87	Probe RFI: 0.1 kV
88	Probe ESD: 0.1 kV
89	Probe Static: 0.1 kV
90	Probe Dynamic: 0.1 kV
91	Probe Thermal: 0.1 kV
92	Probe Mechanical: 0.1 kV
93	Probe Electrical: 0.1 kV
94	Probe Magnetic: 0.1 kV
95	Probe Optical: 0.1 kV
96	Probe Acoustic: 0.1 kV
97	Probe Vibration: 0.1 kV
98	Probe Shock: 0.1 kV
99	Probe Noise: 0.1 kV
100	Probe EMI: 0.1 kV

Test Type: DPSH-B

Hammer Mass (kg): 63.5

Hammer Drop (mm): 760

Cone Diameter (mm): 6.0

Rod Diameter (mm): 54.0

Anvil Damper Type: N/A

Remarks

	Hole backfilled with bentonite. Target depth achieved.
--	--

Termination Depth:
10.00m

Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446836.04

Ground Level (m OD)
111.78
Northing (OS mN)
298324.11

Start Date
23/06/2022
End Date
23/06/2022

Scale
1:50
Sheet 2 of 2

Depth	Readings (blows/100mm)	Diagram (N 100 Values)										Torque (Nm)	Remarks
		5	10	15	20	25	30	35	40	45			
11	10												
	9												
	10												
	11												
	20												
	15												
	14												
	13												
	14												
	14												
12													
13													
14													
15													
16													
17													
18													
19													
20													

DYNAMIC PROBE DETAILS

Test Type: DPSH-B
Hammer Mass (kg): 63.5
Hammer Drop (mm): 760
Cone Diameter (mm): 6.0
Rod Diameter (mm): 54.0
Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:
10.00m

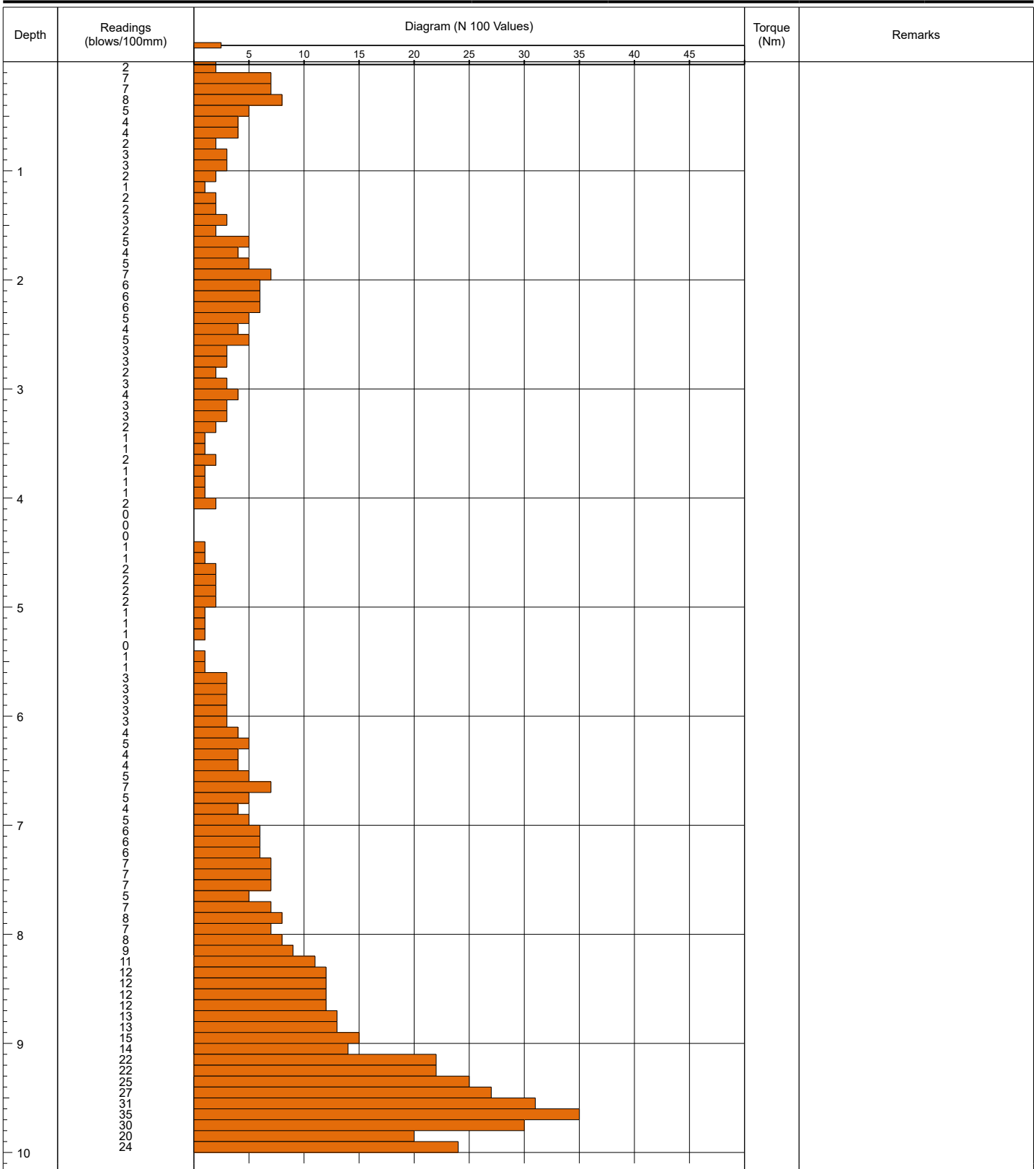
Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446770.33

Ground Level (m OD)
111.10
Northing (OS mN)
298299.13

Start Date
23/06/2022
End Date
23/06/2022

Scale
1:50
Sheet 1 of 1



DYNAMIC PROBE DETAILS

Test Type: DPSH-B
 Hammer Mass (kg): 63.5
 Hammer Drop (mm): 760
 Cone Diameter (mm): 6.0
 Rod Diameter (mm): 54.0
 Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:
10.00m

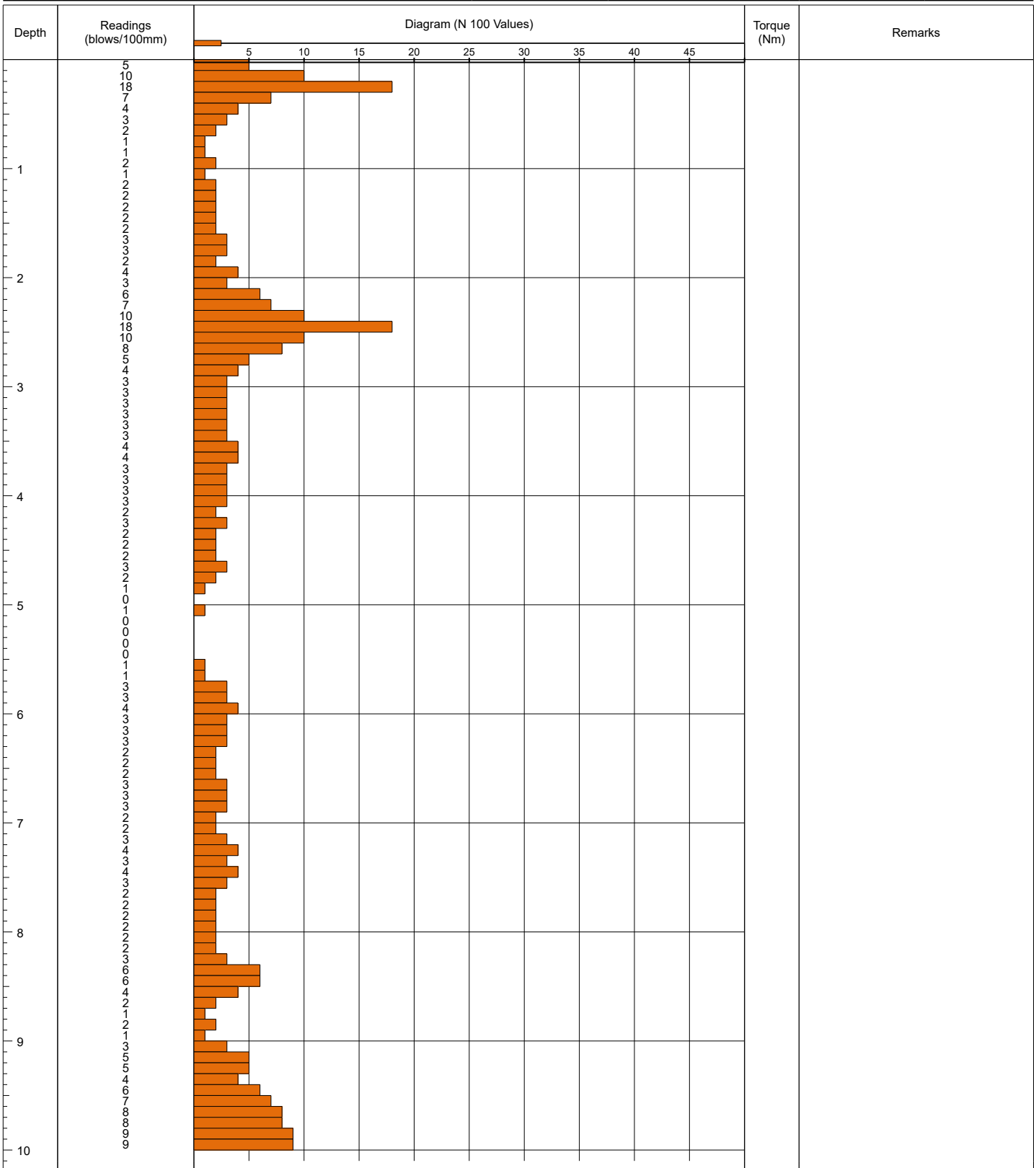
Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446808.27

Ground Level (m OD)
114.50
Northing (OS mN)
298266.86

Start Date
24/06/2022
End Date
24/06/2022

Scale
1:50
Sheet 1 of 1



DYNAMIC PROBE DETAILS

Test Type: DPSH-B
 Hammer Mass (kg): 63.5
 Hammer Drop (mm): 760
 Cone Diameter (mm): 6.0
 Rod Diameter (mm): 54.0
 Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:
10.00m

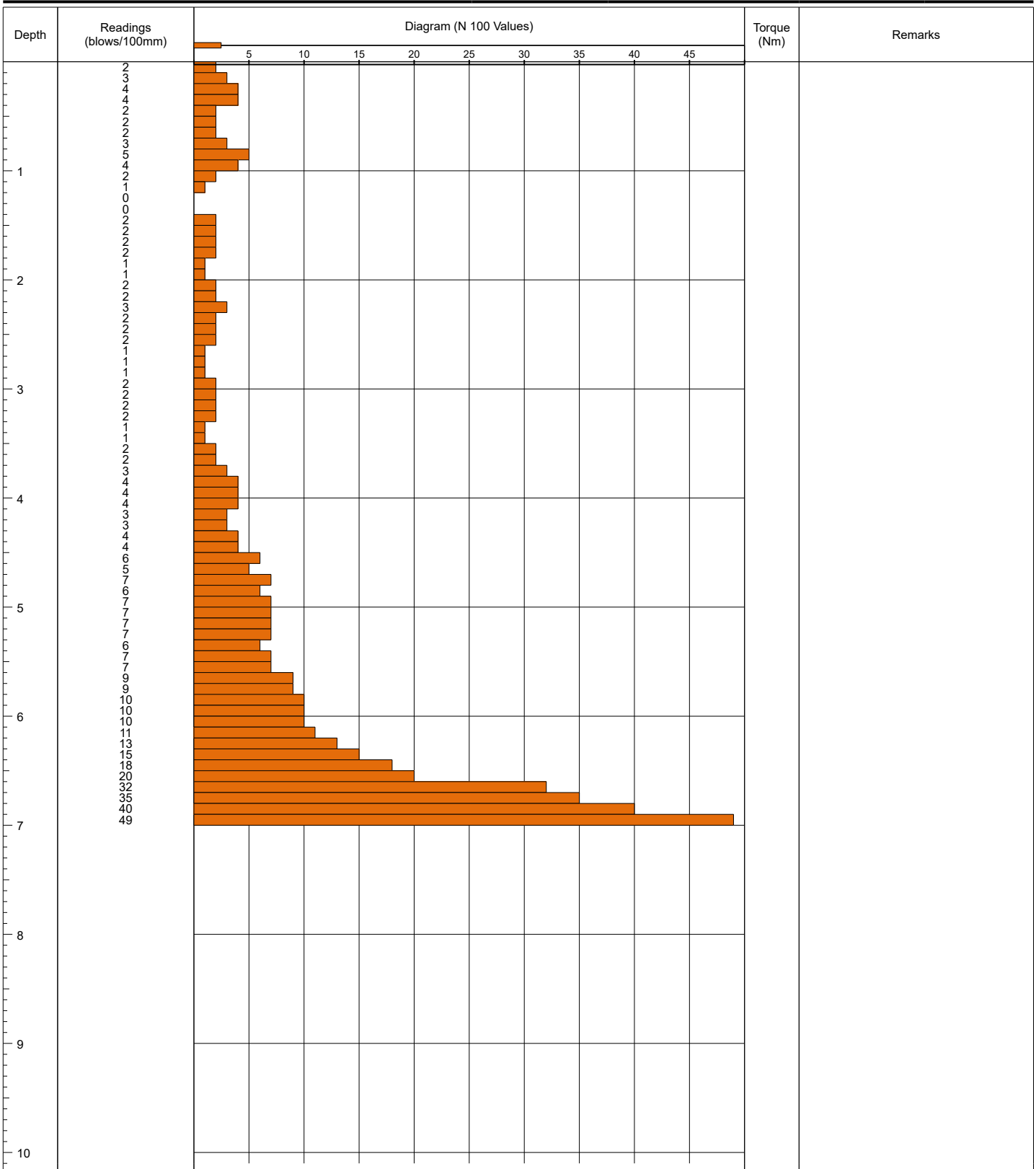
Project
Hilltop Farm
Client
Midland Heart

Project No.
10056074
Easting (OS mE)
446730.98

Ground Level (m OD)
108.11
Northing (OS mN)
298312.01

Start Date
24/06/2022
End Date
24/06/2022

Scale
1:50
Sheet 1 of 1



DYNAMIC PROBE DETAILS

Test Type: DPSH-B
 Hammer Mass (kg): 63.5
 Hammer Drop (mm): 760
 Cone Diameter (mm): 6.0
 Rod Diameter (mm): 54.0
 Anvil Damper Type: N/A

Remarks

Hole backfilled with bentonite. Target depth achieved.

Termination Depth:
7.00m

Appendix E

Infiltration Testing Results

Trial Pit Soakaway Test

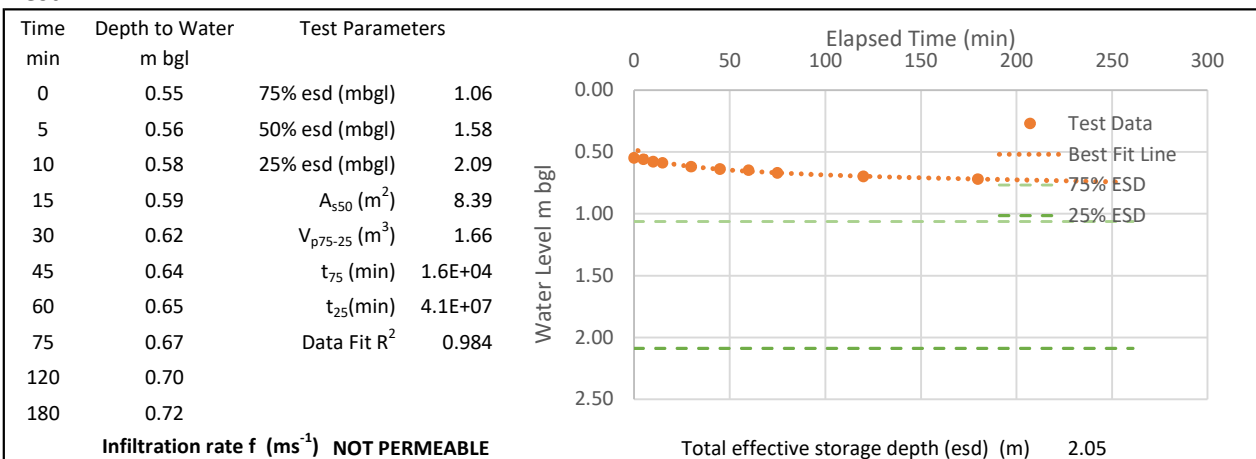
Based on BRE DG 365:2016

Project	Hill Top Farm	Status	LOCATION ID
Project ID	10056074	CHECKED	TP104

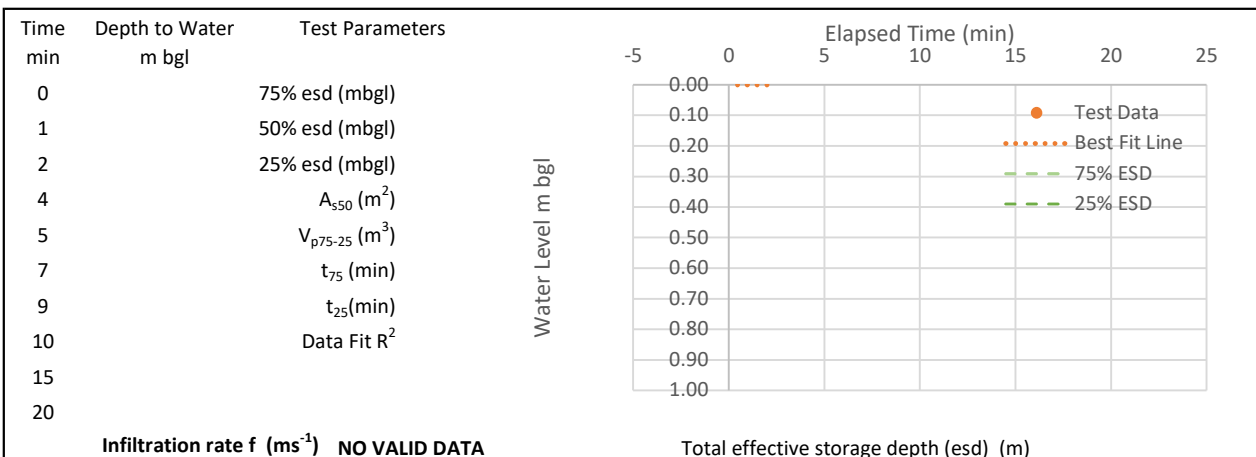
Trial Pit Details

Test 1	Test 2	Test 3	Ground Level	106.64 mAOD	Date Excavated	22/06/2022
Depth	2.60		Coordinates	446804.33 mE	Date Tested	22/06/2022
Width	0.60			298367.96 mN		
Length	2.70					

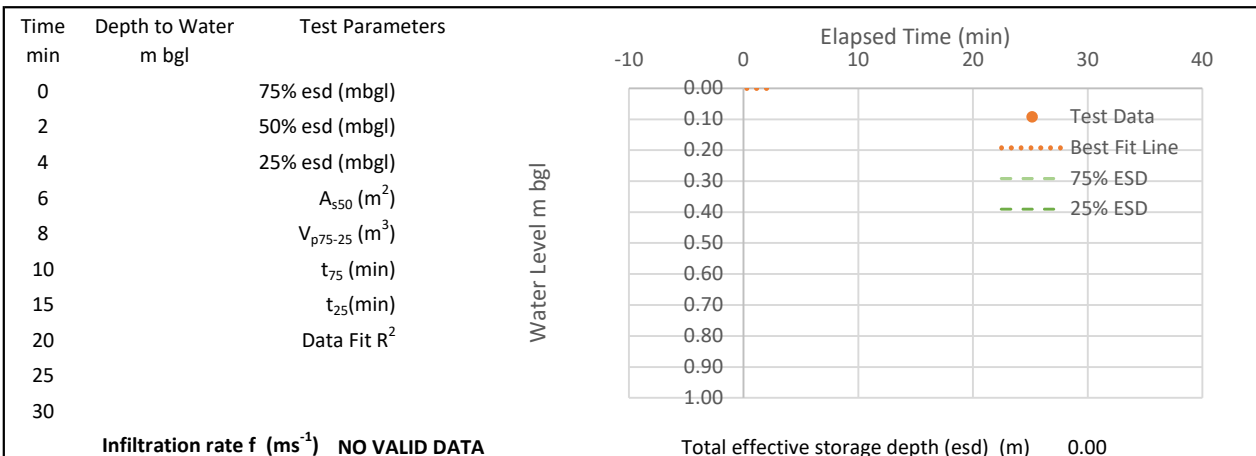
Test 1



Test 2



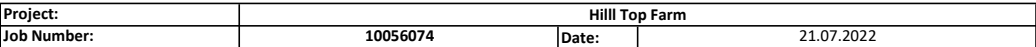
Test 3



Carried out by Arcadis	Notes: Effective soakage not achieved on first test. Test 2 and 3 not completed.	Logged TL	Checked RL
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Appendix F

Gas and Groundwater Monitoring Logs



Weather:	sunny, cloudy and dry
Engineer:	D.Russon

Notes: No odours detected. All standpipe covers in good condition. Dry weather over previous days.	Ambient Concentration	
	CH4	0.0
	CO2	0.1
	O2	21.0
	H2S	0.0
	CO	0.0

Previous weather conditions, Atmospheric pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, NAPL etc.



Project:	Hilli Top Farm		
Job Number:	10056074	Date:	03.08.2022

Weather:	sunny, cloudy and dry
Engineer:	D.Russon

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	BAL (%)	Rel. Pressure (mbar)	Depth to Water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH101	10:39	1001		Peak: 0	Initial	0.10		2.50	17.30	0.00	3.00	80.10	0.07	0.67	2.37	
				Steady: -1.1	30	0.10		2.50	17.30	0.00	3.00	80.10	0.07			
					60	0.10		2.50	17.30	0.00	3.00	80.10	0.07			
					90	0.10		2.50	17.30	0.00	3.00	80.10	0.07			
					120	0.10		2.50	17.30	0.00	3.00	80.10	0.07			
					150	0.10		2.50	17.30	0.00	3.00	80.10	0.07			
					180	0.10		2.50	17.30	0.00	3.00	80.10	0.07			
BH102	09:47	1001		Peak: 0	Initial	0.10		0.10	21.20	0.00	1.00	78.80	0.03	1.13	2.54	Bung not secure in pipe. Gas can escape
				Steady: 0	30	0.10		0.10	21.20	0.00	1.00	78.80	0.03			
					60	0.10		0.10	21.10	0.00	1.00	78.80	0.03			
					90	0.10		0.10	21.10	0.00	1.00	78.80	0.03			
					120	0.10		0.10	21.10	0.00	1.00	78.80	0.03			
					150	0.10		0.10	21.10	0.00	1.00	78.80	0.03			
					180	0.10		0.10	21.10	0.00	1.00	78.80	0.03			
BH103	08:23	1000		Peak: 0	Initial	0.10		3.60	18.50	0.00	1.00	77.70	-0.10	2.73	4.77	
				Steady: 0.1	30	0.10		3.60	18.50	0.00	1.00	77.70	-0.10			
					60	0.10		3.60	18.50	0.00	1.00	77.70	-0.10			
					90	0.10		3.60	18.50	0.00	1.00	77.70	-0.10			
					120	0.10		3.60	18.50	0.00	1.00	77.70	-0.10			
					150	0.10		3.60	18.50	0.00	1.00	77.70	-0.10			
					180	0.10		3.60	18.50	0.00	1.00	77.70	-0.10			
BH104	12:33	1000		Peak: 0	Initial	0.10		7.10	11.90	0.00	3.00	80.90	0.28	6.24	11.10	
				Steady: 0.1	30	0.10		7.10	11.90	0.00	3.00	80.90	0.28			
					60	0.10		7.10	12.00	0.00	3.00	80.90	0.28			
					90	0.10		7.10	12.00	0.00	3.00	80.90	0.28			
					120	0.10		7.10	12.00	0.00	3.00	80.90	0.28			
					150	0.10		7.10	12.00	0.00	3.00	80.90	0.28			
					180	0.10		7.10	12.00	0.00	3.00	80.90	0.28			
BH105	11:35	998		Peak: 0	Initial	0.10		2.60	19.80	0.00	1.00	77.60	-0.12	3.85	7.26	
				Steady: 0	30	0.10		2.60	19.80	0.00	1.00	77.60	-0.12			
					60	0.10		2.60	19.80	0.00	1.00	77.60	-0.12			
					90	0.10		2.60	19.80	0.00	1.00	77.60	-0.12			
					120	0.10		2.60	19.80	0.00	1.00	77.60	-0.12			
					150	0.10		2.60	19.80	0.00	1.00	77.60	-0.12			
					180	0.10		2.60	19.80	0.00	1.00	77.60	-0.12			
BH106	12:02	1000		Peak: 0	Initial	0.10		1.80	19.30	0.00	3.00	78.80	-0.02	5.64	7.28	
				Steady: 0	30	0.10		1.80	19.30	0.00	3.00	78.80	-0.02			
					60	0.00		1.80	19.30	0.00	3.00	78.80	-0.02			
					90	0.00		1.80	19.30	0.00	3.00	78.80	-0.02			
					120	0.00		1.80	19.30	0.00	3.00	78.80	-0.02			
					150	0.00		1.80	19.30	0.00	3.00	78.80	-0.02			
					180	0.00		1.80	19.30	0.00	3.00	78.80	-0.02			

Notes:	No odours detected. All standpipe covers in good condition. Dry weather over previous days.	Ambient Concentration	
		CH4	0.0
		CO2	0.1
		O2	21.0
		H2S	0.0
		CO	0.0
		Previous weather conditions, Atmospheric pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, NAPL etc.	



Project:	Hill Top Farm		
Job Number:	10056074	Date:	17/08/2022

Weather:	cloudy, light rain. Heavy rain night before.
Engineer:	T. Lipscomb

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°c)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	BAL. (%)	Rel. Pressure (mbar)	Depth to Water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH101	09:14	1002	16	Peak: -18.2	Initial	0.00		0.10	21.40	0.00	0.00	78.50	0.00	0.53	2.40	Gas analyser showed a 'flow fail' error sign at 100 seconds
				30	0.00		1.00	20.30	0.00	0.00	78.80	0.00				
				60	0.00		1.00	20.20	0.00	0.00	78.80	0.00				
				90	0.00		1.00	20.20	0.00	0.00	78.80	0.00				
				100	0.00		1.00	20.20	0.00	0.00	78.80	0.00				
				Steady: 0												
BH102	09:33	1003	16	Peak: 0	Initial	0.00		0.10	21.70	0.00	0.00	78.30	6.25	1.06	2.52	Bung is too small for install - loose fit may casue inaccurate readings
				30	0.00		0.10	21.70	0.00	0.00	78.20	6.25				
				60	0.00		0.10	21.70	0.00	0.00	78.20	6.25				
				90	0.00		0.10	21.70	0.00	0.00	78.20	6.25				
				120	0.00		0.10	21.70	0.00	0.00	78.20	6.25				
				150	0.00		0.10	21.70	0.00	0.00	78.20	6.25				
				180	0.00		0.10	21.70	0.00	0.00	78.20	6.25				
BH103	08:57	1002	16	Peak: -0.1	Initial	0.00		0.10	21.10	0.00	0.00	78.80	0.07	2.71	4.71	
				30	0.00		3.90	18.30	0.00	0.00	77.80	0.07				
				60	0.00		3.90	18.20	0.00	0.00	77.90	0.07				
				90	0.00		3.90	18.20	0.00	0.00	77.90	0.07				
				120	0.00		3.90	18.20	0.00	0.00	77.90	0.07				
				150	0.00		3.90	18.20	0.00	0.00	77.90	0.07				
				180	0.00		3.90	18.20	0.00	0.00	77.90	0.07				
BH104	08:31	1001	16	Peak: 0.1	Initial	0.00		0.10	21.10	0.00	0.00	78.80	6.93	5.80	10.90	Equipment not set up properly so final reading not recorded
				30	0.00		1.50	19.50	0.00	0.00	79.00	6.93				
				60	0.00		1.60	19.20	0.00	0.00	79.10	6.93				
				90	0.00		1.40	19.60	0.00	0.00	79.00	6.93				
				120	0.00		2.50	18.30	0.00	0.00	79.20	6.93				
				150	0.00		2.50	18.30	0.00	0.00	79.20	6.93				
				180												
BH105	09:44	1002	16	Peak: -0.1	Initial	0.00		0.10	21.80	0.00	0.00	78.10	0.02	3.83	7.23	
				30	0.00		2.70	20.20	0.00	0.00	77.10	0.02				
				60	0.00		2.70	20.20	0.00	0.00	77.10	0.02				
				90	0.00		2.70	20.20	0.00	0.00	77.10	0.02				
				120	0.00		2.80	20.10	0.00	0.00	77.10	0.02				
				150	0.00		2.80	20.10	0.00	0.00	77.10	0.02				
				180	0.00		2.80	20.10	0.00	0.00	77.10	0.02				
BH106	09:55	1002	16	Peak: -0.1	Initial	0.00		0.10	21.80	0.00	0.00	78.20	7.43	5.59	7.28	
				30	0.00		1.80	20.60	0.00	0.00	77.60	7.43				
				60	0.00		1.80	20.60	0.00	0.00	77.70	7.43				
				90	0.00		1.80	20.50	0.00	0.00	77.70	7.43				
				120	0.00		1.80	20.50	0.00	0.00	77.70	7.43				
				150	0.00		1.80	20.50	0.00	0.00	77.70	7.43				
				180	0.00		1.90	20.50	0.00	0.00	77.60	7.43				

Notes:

No odours detected. Heavy rain night before visit.

Ambient Concentration

CH4	0.0
CO2	0.1
O2	21.0
H2S	0.0
CO	0.0

Previous weather conditions, Atmospheric pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open top, datum level, vegetation stress, odours, bubbles, NAPL etc.



Project:	Hilli Top Farm		
Job Number:	10056074	Date:	31/08/2022

Weather:	sunny, cloudy and dry
Engineer:	T. Lipscomb

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	BAL. (%)	Rel. Pressure (mbar)	Depth to Water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH101	09:47	1015	20	Peak: 0	Initial	0.00		0.10	21.40	0.00	0.00	78.50	9.12	0.50	2.36	Gas analyser showed a 'flow fail' error sign after 90 seconds - lack of gas in standpipe I assume
				30	0.00		2.50	19.70	0.00	1.00	77.70	9.12				
				60	0.00		2.60	19.70	0.00	1.00	77.70	9.12				
				90	0.00		2.60	19.60	0.00	1.00	77.80	9.12				
				Steady: 0												
BH102	10:09	1015	20	Peak: 0	Initial	0.00		0.10	21.50	0.00	0.00	78.40	7.89	1.09	2.53	Bung is too small for install - loose fit may casue inaccurate readings
				30	0.00		0.10	21.50	0.00	0.00	78.40	7.89				
				60	0.00		0.10	21.50	0.00	0.00	78.40	7.89				
				90	0.00		0.10	21.50	0.00	0.00	78.40	7.89				
				120	0.00		0.00	21.50	0.00	0.00	78.40	7.89				
				150	0.00		0.10	21.50	0.00	0.00	78.40	7.89				
BH103	09:31	1015	20	Peak: 0	Initial	0.00		0.10	21.20	0.00	0.00	78.70	5.37	2.75	4.70	install in good conditon.
				30	0.00		4.30	17.70	0.00	0.00	78.00	5.37				
				60	0.00		4.30	17.70	0.00	0.00	78.00	5.37				
				90	0.00		4.30	17.70	0.00	0.00	78.00	5.37				
				120	0.00		4.30	17.70	0.00	0.00	78.00	5.37				
				150	0.00		4.30	17.70	0.00	0.00	78.00	5.37				
BH104	08:47	1014	20	Peak: 0	Initial	0.00		0.10	21.10	0.00	0.00	78.80	3.02	5.82	11.00	install in good conditon.
				30	0.00		4.50	15.70	0.00	0.00	79.80	3.02				
				60	0.00		4.50	15.40	0.00	0.00	80.01	3.02				
				90	0.00		4.80	15.10	0.00	0.00	80.01	3.02				
				120	0.00		5.20	14.70	0.00	0.00	80.20	3.02				
				150	0.00		5.90	13.90	0.00	0.00	80.20	0.02				
BH105	09:18	1014	20	Peak: 0	Initial	0.00		0.10	21.20	0.00	0.00	78.70	5.84	3.86	7.24	install in good conditon.
				30	0.00		3.10	19.30	0.00	0.00	77.60	5.84				
				60	0.00		3.10	19.30	0.00	0.00	77.60	5.84				
				90	0.00		3.10	19.30	0.00	0.00	77.60	5.84				
				120	0.00		3.10	19.30	0.00	0.00	77.60	5.84				
				150	0.00		3.10	19.30	0.00	0.00	77.60	5.84				
BH106	09:05	1014	20	Peak: 0	Initial	0.00		0.10	21.10	0.00	0.00	78.80	7.59	5.65	7.30	install in good conditon.
				30	0.00		2.20	19.60	0.00	0.00	78.20	7.59				
				60	0.00		2.20	19.60	0.00	0.00	78.20	7.59				
				90	0.00		2.20	19.60	0.00	0.00	78.30	7.59				
				120	0.00		2.20	19.60	0.00	0.00	78.30	7.59				
				150	0.00		2.20	19.60	0.00	0.00	78.30	7.59				

Notes:	No odours detected. All standpipe covers in good condition. Dry weather over previous days.	Ambient Concentration	
		CH4	0.0
		CO2	0.1
		O2	21.0
		H2S	0.0
		CO	0.0
		Previous weather conditions, Atmospheric pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, NAPL etc.	



Project:	Hilli Top Farm		
Job Number:	10056074	Date:	14/09/2022

Weather:	sunny, cloudy and dry
Engineer:	D. Russon

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°c)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	BAL (%)	Rel. Pressure (mbar)	Depth to Water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH101	12:33	997	----	Peak: 0	Initial	0.00		1.90	20.60	2.00	0.00	77.50	-2.87	0.42	2.37	Gas analyser showed a 'flow fail' error sign after approx 120 seconds - presumed vacuum in pipe
				30	0.00		1.90	19.80	1.00	0.00	78.30	-2.87				
				60	0.00		1.90	19.70	1.00	0.00	78.30	-2.87				
				90	0.00		1.90	19.70	1.00	0.00	77.80	-2.87				
				120	0.00		2.00	19.40	2.00	0.00	78.60	-2.87				
				150	0.00											
				180	0.00											
BH102	12:18	997	----	Peak: 0	Initial	0.00		0.10	21.00	0.00	0.00	78.90	-0.07	0.99	2.52	Bung is too small for install - loose fit may casue inaccurate readings; duct tape appears to be better but not sealed
				30	0.00		0.00	21.00	0.00	0.00	79.00	-0.07				
				60	0.00		0.00	21.00	0.00	0.00	78.90	-0.07				
				90	0.00		0.00	21.10	0.00	0.00	78.90	-0.07				
				120	0.00		0.00	21.10	0.00	0.00	78.90	-0.07				
				150	0.00		0.00	21.10	1.00	0.00	78.90	-0.07				
				180	0.00		0.00	21.10	1.00	0.00	78.90	-0.07				
BH103	11:46	996	----	Peak: 0	Initial	0.00		0.10	21.40	0.00	0.00	78.50	0.09	2.74	4.67	install in good conditon.
				30	0.00		4.70	17.20	0.00	0.00	78.10	0.09				
				60	0.00		4.70	17.10	0.00	0.00	78.10	0.09				
				90	0.00		4.70	17.10	0.00	0.00	78.20	0.09				
				120	0.00		4.70	17.10	0.00	0.00	78.20	0.09				
				150	0.00		4.70	17.10	0.00	0.00	78.20	0.09				
				180	0.00		4.70	17.10	0.00	0.00	78.20	0.09				
BH104	10:51	996	----	Peak: 0	Initial	0.00		0.10	21.10	0.00	0.00	78.90	-0.03	5.85	10.91	install in good conditon.
				30	0.00		7.90	11.70	0.00	0.00	80.40	-0.03				
				60	0.00		8.00	11.50	0.00	0.00	80.50	-0.03				
				90	0.00		8.30	11.10	0.00	0.00	80.60	-0.03				
				120	0.00		8.60	10.70	0.00	0.00	80.60	-0.03				
				150	0.00		8.90	10.40	0.00	0.00	80.70	-0.03				
				180	0.00		9.10	10.10	0.00	0.00	80.70	-0.03				
BH105	12:59	996	----	Peak: 0	Initial	0.00		0.10	21.40	2.00	0.00	78.50	-0.03	3.88	7.20	install in good conditon. Top cover stiff
				30	0.00		2.70	19.50	1.00	0.00	77.80	-0.03				
				60	0.00		2.70	19.50	1.00	0.00	77.80	-0.03				
				90	0.00		2.70	19.50	1.00	0.00	77.80	-0.03				
				120	0.00		2.70	19.50	1.00	0.00	77.80	-0.03				
				150	0.00		2.70	19.50	1.00	0.00	77.80	-0.03				
				180	0.00		2.70	19.50	1.00	0.00	77.80	-0.03				
BH106	12:49	996	----	Peak: 0	Initial	0.00		0.10	21.10	2.00	0.00	78.80	-0.16	5.67	7.28	install in good conditon.
				30	0.00		2.10	19.40	1.00	0.00	78.50	-0.16				
				60	0.00		2.10	19.30	1.00	0.00	78.50	-0.16				
				90	0.00		2.10	19.30	1.00	0.00	78.50	-0.16				
				120	0.00		2.10	19.30	1.00	0.00	78.50	-0.16				
				150	0.00		2.10	19.30	1.00	0.00	78.50	-0.16				
				180	0.00		2.20	19.30	1.00	0.00	78.50	-0.16				

Notes:	No odours detected. All standpipe covers in good condition. Slightly wet weather over previous days. Approx 16-18 degrees ambient temp	Ambient Concentration	
		CH4	0.0
		CO2	0.1
		O2	21.0
		H2S	0.0
		CO	0.0
		Previous weather conditions, Atmospheric pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, NAPL etc.	

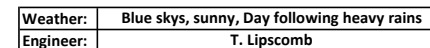


Project:	Hilli Top Farm		
Job Number:	10056074	Date:	14/09/2022

Weather:	sunny, cloudy and dry
Engineer:	D. Russon

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	BAL (%)	Rel. Pressure (mbar)	Depth to Water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH104	10:51	996	17	Peak: 0 Steady: 0	Initial	0.00		0.10	21.10	0.00	0.00	78.90	-0.03	5.85	10.91	install in good conditon.
					30	0.00		7.90	11.70	0.00	0.00	80.40	-0.03			
					60	0.00		8.00	11.50	0.00	0.00	80.50	-0.03			
					90	0.00		8.30	11.10	0.00	0.00	80.60	-0.03			
					120	0.00		8.60	10.70	0.00	0.00	80.60	-0.03			
					150	0.00		8.90	10.40	0.00	0.00	80.70	-0.03			
					180	0.00		9.10	10.10	0.00	0.00	80.70	-0.03			
BH104 - Purge	11:06	996	17	N/A	Initial	0.00		0.10	21.10	0.00	0.00	78.80	0.14			Slight delay at the 15 min point (900secs) as the cycle was restarted
					100	0.00		5.90	14.10	0.00	0.00	80.00	0.14			
					200	0.00		8.70	10.70	0.00	0.00	80.70	0.14			
					300	0.00		9.80	9.30	0.00	0.00	80.90	0.14			
					400	0.00		10.20	8.90	0.00	0.00	80.90	0.14			
					500	0.00		10.40	8.80	0.00	0.00	80.80	0.14			
					600	0.00		10.50	8.90	0.00	0.00	80.60	0.14			
					700	0.00		10.30	9.30	0.00	0.00	80.40	0.14			
					800	0.00		10.20	9.40	0.00	0.00	80.40	0.14			
					900	0.00		10.10	9.60	0.00	0.00	80.30	0.14			
					1000	0.00		10.00	9.80	0.00	0.00	80.30	0.03			
					1100	0.00		9.90	9.80	0.00	0.00	80.30	0.03			
					1200	0.00		9.80	9.90	0.00	0.00	80.30	0.03			
					1300	0.00		9.80	9.90	0.00	0.00	80.30	0.03			
					1400	0.00		9.60	10.00	0.00	0.00	80.30	0.03			
					1500	0.00		9.80	9.80	0.00	0.00	80.30	0.03			
					1600	0.00		9.80	9.90	0.00	0.00	80.30	0.03			
					1700	0.00		9.80	9.80	0.00	0.00	80.30	0.03			
					1800	0.00		9.70	10.00	0.00	0.00	80.30	0.03			
BH104 Re-test 1	12:05	996	17	Peak: 0 Steady: 0	Initial	0.00		0.30	20.90	1.00	0.00	78.80	0.09			
					30	0.00		8.70	10.80	1.00	0.00	80.40	0.09			
					60	0.00		9.00	10.50	1.00	0.00	80.50	0.09			
					90	0.00		9.10	10.30	1.00	0.00	80.60	0.09			
					120	0.00		9.20	10.20	1.00	0.00	80.60	0.09			
					150	0.00		9.20	10.20	1.00	0.00	80.60	0.09			
					180	0.00		9.20	10.20	1.00	0.00	80.60	0.09			
BH104 Re-test 2	13:28	995	17	Peak: 0 Steady: 0	Initial	0.00		8.10	21.50	4.00	0.00	70.40	0.02			
					30	0.00		7.70	12.40	2.00	0.00	79.90	0.02			
					60	0.00		8.30	11.70	1.00	0.00	80.00	0.02			
					90	0.00		8.70	11.20	1.00	0.00	80.10	0.02			
					120	0.00		8.90	10.90	1.00	0.00	80.10	0.02			
					150	0.00		9.20	10.60	1.00	0.00	80.20	0.02			
					180	0.00		9.20	10.50	1.00	0.00	80.20	0.02			

Notes:	No odours detected. All standpipe covers in good condition. Dry weather over previous days.	Ambient Concentration	
		CH4	0.0
		CO2	0.1
		O2	21.0
		H2S	0.0
		CO	0.0
		Previous weather conditions, Atmospheric pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, NAPL etc.	



Notes: No odours detected. All standpipe covers in good condition. Slightly wet weather over previous days. Approx 16-18 degrees ambient temp	Ambient Concentration	
	CH4	0.0
	CO2	0.1
	O2	21.3
	H2S	0.0
	CO	0.0



Project:	Hill Top Farm		
Job Number:	10056074	Date:	18/09/2022

Weather:	Blue skys, sunny, Day fololowing heavy rains
Engineer:	T. Lipscomb

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	BAL. (%)	Rel. Pressure (mbar)	Depth to Water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH104	08:13	988	----	Peak:0.2 Steady: 0	Initial	0.00		0.10	21.30	0.00	0.00	78.60	1.37			
					30	0.00		9.10	11.90	0.00	0.00	79.00	1.37			
					60	0.00		9.00	11.10	0.00	0.00	79.90	1.37			
					90	0.00		8.90	11.20	0.00	0.00	79.90	1.37			
					120	0.00		8.90	11.20	0.00	0.00	79.90	1.37			
					150	0.00		9.00	11.10	0.00	0.00	79.90	1.37			
					180	0.00		9.00	11.10	0.00	0.00	79.90	1.37			
BH104 - Purge	08:24	988	----	na	Initial	0.00		0.20	21.50	0.00	0.00	78.30	0.30			Slight delay at the 15 min point (900secs) as the cycle was restarted
					100	0.00		8.90	11.50	0.00	0.00	79.60	0.30			
					200	0.00		9.60	10.60	0.00	0.00	79.80	0.30			
					300	0.00		10.20	9.90	0.00	0.00	79.90	0.30			
					400	0.00		10.40	9.80	0.00	0.00	79.80	0.30			
					500	0.00		10.40	9.90	0.00	0.00	79.60	0.30			
					600	0.00		10.30	10.20	0.00	0.00	79.50	0.30			
					700	0.00		10.30	10.40	0.00	0.00	79.30	0.30			
					800	0.00		10.20	10.70	0.00	0.00	79.20	0.30			
					900	0.00		10.00	10.90	0.00	0.00	79.10	0.30			
					1000	0.00		9.90	11.00	0.00	0.00	79.00	0.30			
					1100	0.00		9.90	11.00	0.00	0.00	79.10	0.30			
					1200	0.00		9.90	11.00	0.00	0.00	79.10	0.30			
					1300	0.00		9.70	11.20	0.00	0.00	79.10	0.30			
					1400	0.00		9.70	11.20	0.00	0.00	79.10	0.30			
					1500	0.00		9.90	11.00	0.00	0.00	79.10	0.30			
					1600	0.00		9.90	11.10	0.00	0.00	79.00	0.30			
					1700	0.00		9.80	11.20	0.00	0.00	79.10	0.30			
					1800	0.00		9.70	11.20	0.00	0.00	79.10	0.30			
BH104 Re-test 1				Peak:0 Steady: 0	Initial	0.00		0.10	21.70	0.00	0.00	78.20	5.92			
					30	0.00		5.00	16.30	0.00	0.00	78.80	5.92			
					60	0.00		5.00	16.10	0.00	0.00	78.90	5.92			
					90	0.00		5.20	15.90	0.00	0.00	78.90	5.92			
					120	0.00		5.70	15.40	0.00	0.00	78.90	5.92			
					150	0.00		6.60	14.50	0.00	0.00	78.90	5.92			
					180	0.00		7.40	13.60	0.00	0.00	79.00	5.92			
BH104 Re-test 2				Peak:0 Steady: 0	Initial	0.00		8.10	13.90	0.00	0.00	78.00	0.02			
					30	0.00		8.40	12.60	0.00	0.00	79.00	0.02			
					60	0.00		8.50	12.50	0.00	0.00	79.00	0.02			
					90	0.00		8.80	12.30	0.00	0.00	79.00	0.02			
					120	0.00		9.20	11.70	0.00	0.00	79.10	0.02			
					150	0.00		9.60	11.20	0.00	0.00	79.20	0.02			
					180	0.00		9.80	11.00	0.00	0.00	79.30	0.02			

Notes:

No odours detected. All standpipe covers in good condition. Dry weather over previous days.

Ambient Concentration

CH4	0.0
CO2	0.1
O2	21.0
H2S	0.0
CO	0.0

Previous weather conditions, Atmospheric pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, NAPL etc.