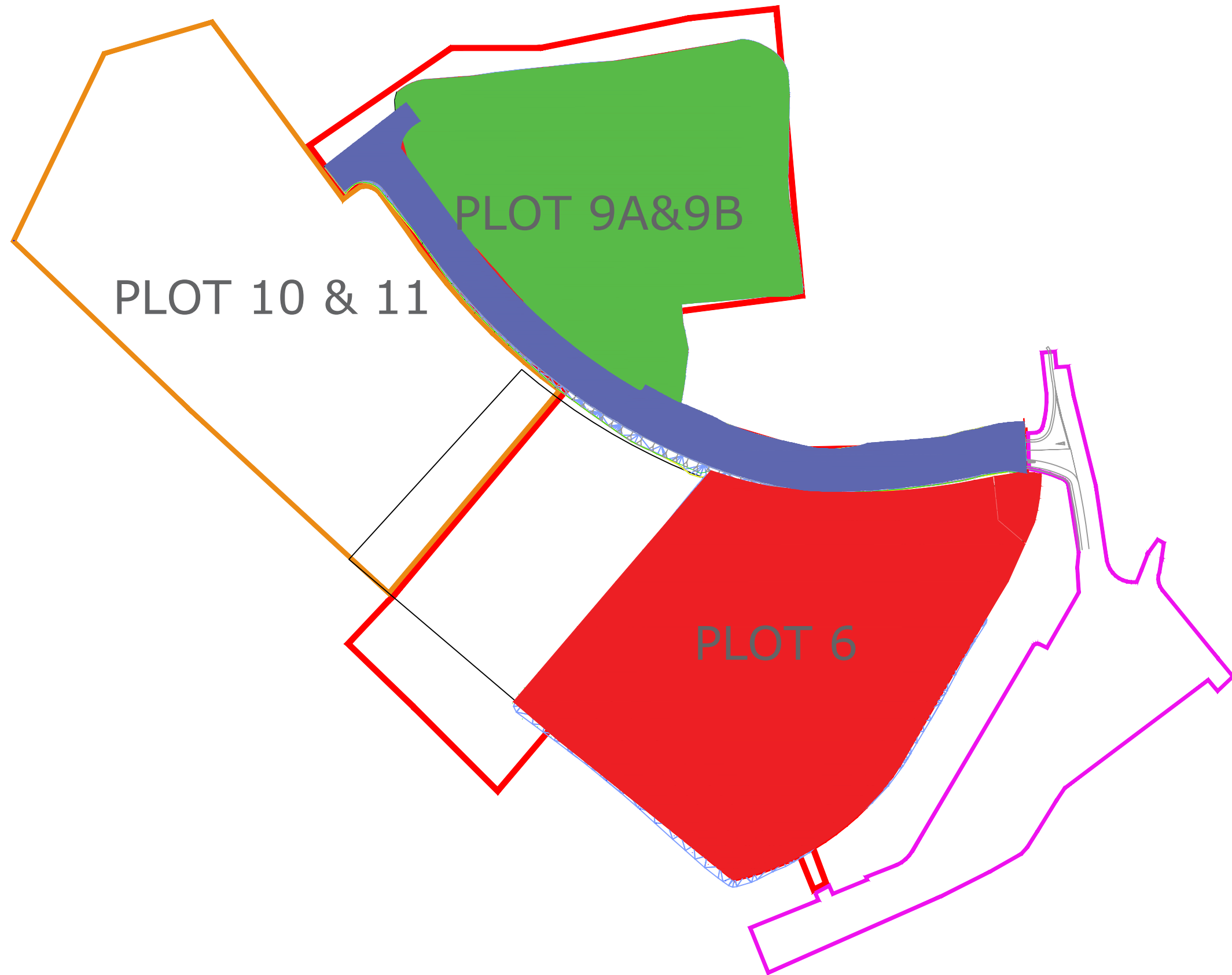




Key:

- Plot 9a &9b Cut: 4080m3
- Lindley Avenue Cut: 2325m3
- Plot 6 Cut: 6721m3

Rev.	Description	Drawn	Date
A	First Issue	VJ	06.05.24



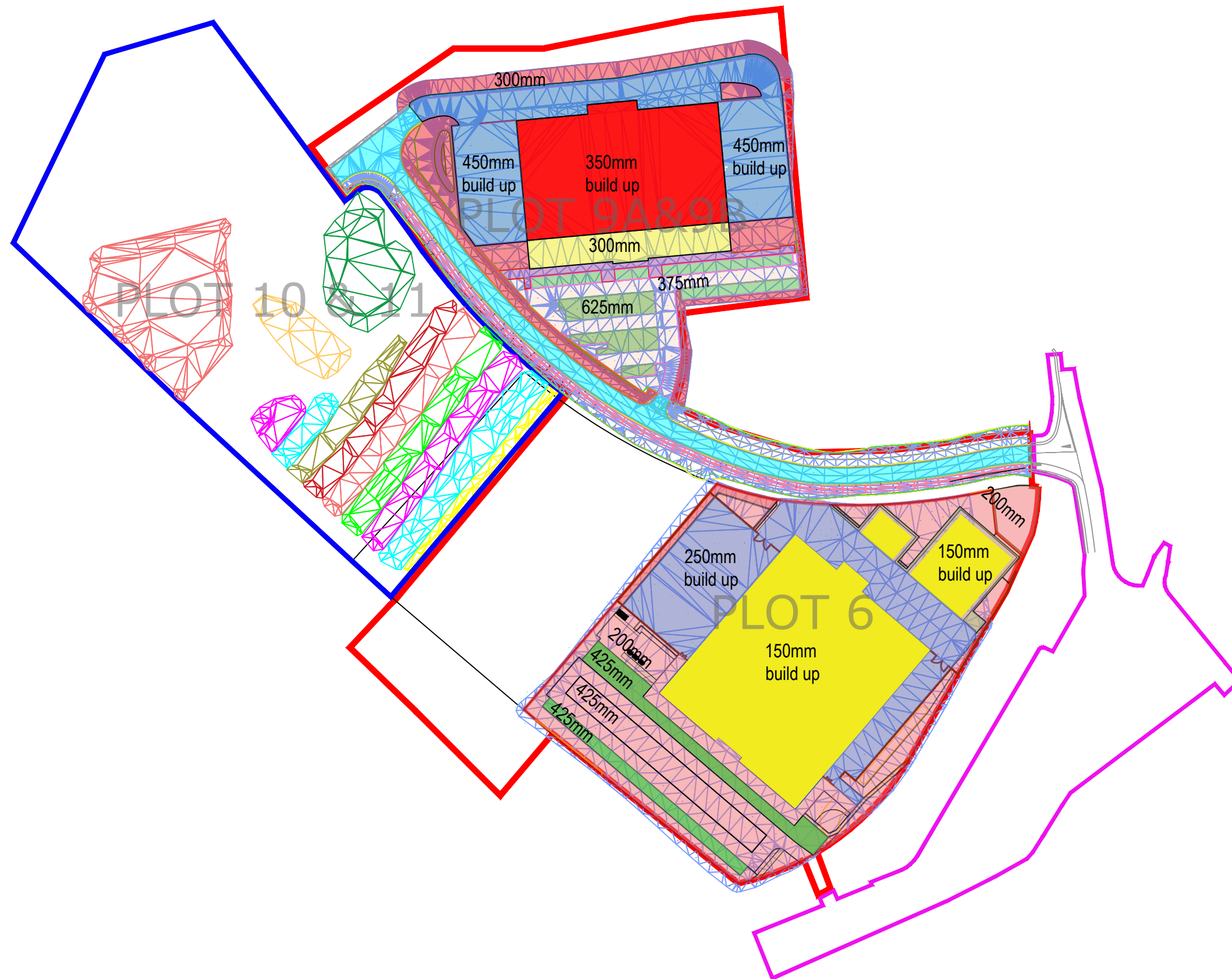
Client ERI MTP LTD

Project Mira Technology Park

Title Cut & Fill Part 1 of 2

DATE	06.05.24	CHECK STAGE	CONSTRUCTION
DRAWN	VJ	CHECK DATE	06.05.24
SCALE	1:1000 @ A3	CHECKED BY	SAH

L040-GMI-XX-ZZ.00-D-J-000001 A



Key:

- Service Yards: 450mm formation
- Workshop: 350mm formation
- Access Road: 375mm formation
- Permeable Car Park: 625mm formation
- Footpath to building: 380mm formation
- Plot 9a,9b Remaining areas: 300 formation
- Offices: 300mm formation
- Plot 6 building footprint: 150mm formation
- Plot 6 Service Yards: 250mm formation
- Plot 6 Car Parking: 425mm formation
- Plot 6 remaining areas: 200mm formation

LEGEND:

- Access required for soil placing
- Site Boundary GMI
- Site Boundary Fitzgerald
- Site Boundary Plot 10 & 11

Stockpiles:

- SP1 = 378.360 CUBIC METRE
- SP2 = 1057.603 CUBIC METRE
- SP3 = 668 CUBIC METRE
- SP4 = 897.868 CUBIC METRE
- SP5 = 499.421 CUBIC METRE
- SP6 = 498.030 CUBIC METRE
- SP7 = 472.131
- SP8 = 239.027 CUBIC METRE
- SP9 = 235.398
- SP11 = 5873.208
- MUCK = 355.703 CUBIC METRE
- SP10 = 816.175

Rev.	Description	Drawn	Date
A	Information from Harringtons Included	VJ	06.05.24



Client: ERI MTP LTD

Project: Mira Technology Park

Title: Cut & Fill Part 2 of 2

DATE	06.05.24	CHECK STAGE	CONSTRUCTION
DRAWN	VJ	CHECK DATE	06.05.24
SCALE	1:1000 @ A3	CHECKED BY	SAH

L040-GMI-XX-ZZ.00-D-J-000001 A



Soil Analysis Report



Factual Geotechnical Investigation Report

at

MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU

for

Horiba MIRA

Reference: 20188/FGIR Rev1.0

July 2022

Control Document

Project

MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU

Document Type

Factual Geotechnical Investigation Report

Document Reference

20188/FGIR Rev 1.0

Document Status

Final

Date

July 2022

Prepared by

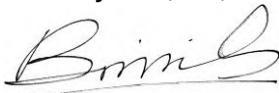
L P Wilkinson BEng (Hons), MSc, FGS

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First check by

R Biney BSc (Hons) MSc CEng MICE CEnv CSci MEnvSc MCMI MIET FGS RoGEP



Second check by

N J Lambert BSc (Hons), CEnv, FGS, MEnvSci.



This is not a valid document for use in the design of the project unless it is titled Final in the document status box.

Current regulations and good practice were used in the preparation of this report. The recommendations given in this report must be reviewed by an appropriately qualified person at the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.



Commission

Horiba MIRA commissioned Soils Limited to undertake an intrusive ground investigation and prepare a Factual Geotechnical Investigation Report on land at MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU. The scope of the investigation was outlined in the Soils Limited quotation reference Q26117 Rev2.0, dated 25th May 2022.

This document comprises the Factual Geotechnical Investigation Report (FR) and incorporates the results of the intrusive works.

Limitations and Disclaimers

This Factual Geotechnical Investigation Report relates to the site located at MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU and was prepared for the sole benefit of Horiba MIRA (The “Client”). The report was prepared solely for the brief described in Section 1.1 of this report.

The contents given in the report are subject to the Terms and Conditions given in Quotation Q26117 Rev2.0, dated 25th May 2022 accepted by the Client in their Purchase Order 308504.

Soils Limited disclaims any responsibility to the Client and others in respect of any matters outside the scope of the above.

This report has been prepared by Soils Limited, with all reasonable skill, care and diligence within the terms of the Contract with the Client, incorporation of our General Conditions of Contract of Business and taking into account the resources devoted to us by agreement with the Client.

The report is personal and confidential to the Client and Soils Limited accept no responsibility of whatever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report wholly at its own risk.

The Client may not assign the benefit of the report or any part to any third party without the written consent of Soils Limited.

The ground is a product of continuing natural and artificial processes. As a result, the ground will exhibit a variety of characteristics that vary from place to place across a site, and also with time. Whilst a ground investigation will mitigate to a greater or lesser degree against the resulting risk from variation, the risks cannot be eliminated.

The investigation given in this report was prepared for the sole benefit of the Client in accordance with their brief. As such these do not necessarily address all aspects of ground behaviour at the site.

Current regulations and good practice were used in the preparation of this report. An appropriately qualified person must review the recommendations given in this report at

the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.

Within the report reference to ground level relates to the site level at the time of the investigation, unless otherwise stated.

Exploratory hole is a generic term used to describe a method of direct investigation. The term trial pit, borehole or window sample borehole implies the specific technique used to produce an exploratory hole.

The depth to roots and/or of desiccation may vary from that found during the investigation.

The geotechnical laboratory testing was performed by GEO Site & Testing Services Ltd (GSTL) in accordance with the methods given in BS 1377:1990 Parts 1 to 8 and their UKAS accredited test methods.

For the preparation of this report, the relevant BS code of practice were adopted for the geotechnical laboratory testing technical specifications, in the absence of the relevant Eurocode specifications (ref: ISO TS 17892).

Deleterious materials may be present in any Made Ground that pose a potential risk to site workers, end users and adjacent vulnerable receptors. These could include a range of contaminants, including asbestos, especially if the material includes large fractions of demolition derived materials.

Ownership of copyright of all printed material including reports, laboratory test results, trial pit and borehole log sheets, including drillers log sheets remains with Soils Limited. License is for the sole use of the Client and may not be assigned, transferred or given to a third party.

Contents

Commission	ii
Limitations and Disclaimers.....	ii
Section I Introduction.....	6
1.1 Objective of Investigation.....	6
1.2 Site Location and Description	6
1.3 Proposed Development	6
1.4 Anticipated Geology.....	6
Section 2 Site Works.....	7
2.1 Proposed Project Works	7
2.1.1 Actual Project Works	7
2.2 Ground Conditions	8
2.3 Groundwater	9
2.4 Vacuum Excavation – Gas Main	10
Section 3 Discussion of Geotechnical In-Situ and Laboratory Testing	11
3.1 Dynamic Probe Tests.....	11
3.2 Road Cores and TRL-DCP Testing.....	11
3.3 Infiltration Testing	11
3.4 Moisture Content Tests.....	12
3.5 Atterberg Limit Tests.....	12
3.6 Particle Size Distribution Testing	12

List of Figures

Figure 1 – Site Location Map	14
Figure 2 – Aerial Photograph	15
Figure 3 – Exploratory Hole Plan	16

List of Tables

Table 2.1 Exploratory Hole Coordinates (As-Completed).....	8
Table 2.2 Final Depth of Exploratory Holes.....	9
Table 2.3 Depth to Gas Main	10
Table 3.1 Equivalent SPT N60 Values	11

List of Appendices

Appendix A Standards and Resources

Appendix B Field Work

- Appendix B.1 WS Borehole Logs
- Appendix B.2 DPSH Logs
- Appendix B.3 Trial Pit Logs
- Appendix B.4 Photographic Logs – WS
- Appendix B.5 Photographic Logs – TP
- Appendix B.6 Photographic Logs – RC
- Appendix B.7 Site Location Plan

Appendix C Geotechnical In-situ and Laboratory Testing

- Appendix C.1 DCP Testing
- Appendix C.2 Infiltration Testing
- Appendix C.3 Geotechnical Laboratory Results

Section I Introduction

I.1 Objective of Investigation

Horiba MIRA commissioned Soils Limited to undertake an intrusive ground investigation and to prepare a Factual Geotechnical Investigation Report to supply the Client and their designers with information regarding ground conditions, to assist in preparing a scheme for development that was appropriate to the settings present on the site.

The investigation was to be undertaken to provide geological and geotechnical information. The investigation was to be made by means of in-situ testing and geotechnical laboratory testing undertaken on soil samples taken from the exploratory holes.

I.2 Site Location and Description

The site was north of Nuneaton, Leicestershire located on the northern side of the A5 carriageway within the MIRA Technology Park. The ground investigation works were encompassed within National Grid References SP 36253 95537 and SP 36773 95451.

The investigation area comprised an open area of grassland on the western side, a cluster of buildings along the eastern side. Access to the site was via MIRA Drive.

The site location plan is given in Figure 1 and aerial photograph of the site and its close environs in Figure 2

I.3 Proposed Development

The proposal comprised an infrastructure and development project. No further details were known to Soils Limited.

I.4 Anticipated Geology

The 1:50,000 BGS map showed the site to be located upon the bedrock Mercia Mudstone Group, locally indicating the outcropping of the Gunthorpe Member in waving strips across the site. A pocket of overlying superficial deposits of Anker Sand and Gravel was noted across the western boundary.

The Mercia Mudstone Group typically comprises red, less commonly green and grey mudstone, and siltstone. Ranging in age from the Mid Triassic to latest Triassic and formed by a sequence of formations. The Gunthorpe Member noted on the BGS map is part of the Sidmouth Mudstone Formation within the Mercia Mudstone Group, consisting of red-brown mudstone and siltstone with common grey-green patches.

Section 2 Site Works

2.1 Proposed Project Works

The proposed intrusive investigation was designed to provide information on the ground conditions, as set out in the Core Sample and CBR Test Locations drawing (20170/SK06 Rev A) undertaken by Milestone Transport Planning.

The intended investigation, as outlined within the Soils Limited quotation (Q26117 Rev2, dated 25th May 2022), was to comprise the following items:

- Service clearance via EMF/GPR,
- 6No (up to) 4m windowless sampler (WS) boreholes,
- 6No (up to) 6m deep dynamic probe super heavy (DPSH),
- 4No. road cores with follow on DCP/TRL probe,
- 11No. CBR locations via DCP/TRL probe,
- 4No. infiltration tests in general accordance with BRE 365,
- 3No. gas main locations via vacuum excavation,
- Geotechnical laboratory testing.

2.1.1 Actual Project Works

The actual project works were undertaken between the 23rd May 2022 and 8th June 2022, with subsequent sample logging, laboratory testing, and reporting. The actual works comprised:

- Service clearance via EMF/GPR,
- 6No up to 4.0m WS boreholes,
- 6No up to 5.1m DPSH,
- 4No. road cores with follow on DCP/TRL probe,
- 11No. CBR locations via DCP/TRL probe,
- 4No. infiltration tests in general accordance with BRE 365,
- 3No. gas main locations via vacuum excavation,
- Geotechnical laboratory testing.

All the exploratory hole locations are presented in Figure 3, with the coordinates provided in Table 2.1.

Table 2.1 Exploratory Hole Coordinates (As-Completed)

Hole No.	Coordinates			Hole No.	Coordinates		
	Eastings	Northings	Elevation (m AOD)		Eastings	Northings	Elevation (m AOD)
WS1	436635.675	295425.620	95.969	DCP9	436364.297	295557.087	92.289
WS2	436664.278	295451.516	96.731	DCP10	436485.392	295638.694	94.062
WS3	436522.955	295495.526	95.759	DCP11	436553.191	295567.047	95.837
WS4	436556.974	295536.739	96.460	RC1	436702.632	295339.756	96.391
WS5	436553.318	295654.720	93.753	RC2	436744.760	295396.415	97.080
WS6	436580.858	295680.839	93.147	RC3	436769.953	295405.683	97.188
DCP1	436714.307	295388.629	96.688	RC4	436643.316	295525.746	96.372
DCP2	436737.852	295431.683	96.772	TP1	436473.387	295434.195	92.772
DCP3	436764.747	295474.178	96.392	TP2	436348.901	295534.995	91.177
DCP4	436769.447	295505.422	96.292	TP3A	436285.999	295586.092	91.704
DCP5	436745.089	295532.139	95.638	SA1	436584.531	295401.981	95.278
DCP6	436467.493	295425.741	92.394	SA2	436495.680	295469.828	94.432
DCP7	436483.720	295445.827	93.437	SA4	436574.788	295597.740	95.408
DCP8	436386.338	295485.200	90.683	SA6A	436319.909	295654.294	92.011

TP3 and SA6 were moved to TP3A and SA6A, respectively, as the former locations were within an active agricultural field, as agreed by the Client.

Following completion of site works, soil cores were logged, and sub sampled so that samples could be sent to the laboratory for both contamination and geotechnical testing.

2.2 Ground Conditions

The ground investigation works were undertaken between the 23rd May and 25th May 2022, followed by a single day of works on the 8th June 2022 and included:

- Six WS boreholes (WS1 to WS6) drilled using a Premier 110 rig. The boreholes were drilled to depths between 2.50m and 4.00m below ground level (bgl). WS1 to WS5 were terminated prior to 4m bgl due to sampler refusal.
- Six DPSH probes (DP1 and DP6) were driven prior and adjacent to their respective WS boreholes, to depths between 3.10m to 5.10m bgl. Each probe being terminated due to reaching the equipment safety refusal limit.
- Four 150mm diameter road cores (RC1 to RC4), cut-out with a diamond core cutter, with follow on DCP testing.
- Eleven DCP probes (DCP1 to DCP11) to obtain CBR values.
- Four machine excavated trial pits (SA1, SA2, SA4 and SA6A) excavated to 1.50m bgl, prior to undertaking infiltration testing in general accordance with BRE 365.
- Three trial pits (TP1 to TP3) excavated using vacuum excavation to expose and log an existing gas main.

Engineers' logs for the WS boreholes, DPSHs and machine excavated trial pits are presented in Appendix B.1 to Appendix B.3. Photographic logs for the WS boreholes, trial pits and road cores are presented in Appendix B.4 to Appendix B.6.

All exploratory hole locations were undertaken at locations provided by the Client, unless otherwise agreed prior to completion.

Table 2.2 Final Depth of Exploratory Holes

Hole No.	Final Depth (m BGL)	Hole No.	Final Depth (m BGL)
WS1/DP1	2.50/4.60	DCP9	0.87
WS2/DP2	3.50/4.00	DCP10	0.87
WS3/DP3	3.00/3.80	DCP11	0.87
WS4/DP4	2.90/5.10	RC1	0.37 (0.93) ¹
WS5/DP5	2.90/3.10	RC2	0.13 (0.93) ¹
WS6/DP6	4.00/5.10	RC3	0.14 (0.93) ¹
DCP1	0.87	RC4	0.16 (0.93) ¹
DCP2	0.87	TPI	1.34
DCP3	0.87	TP2	1.70
DCP4	0.87	TP3A	1.45
DCP5	0.87	SA1	1.50
DCP6	0.87	SA2	1.50
DCP7	0.87	SA4	1.50
DCP8	0.87	SA6A	1.50

Note(s): ¹Depth of TRL-DCP follow on.

All exploratory holes were fully cleared for underground services ahead of excavation / drilling to ensure the health and safety of the site operatives.

The exploratory hole locations are shown on Figure 3.

The soil conditions encountered were recorded and soil sampling commensurate with the purposes of the investigation was carried out. The depths given on the exploratory hole logs and quoted in this report were measured from ground level.

The soils encountered from immediately below ground surface have been described in the following manner. Where the soil incorporated an organic content such as either decomposing leaf litter or roots, or has been identified as part of the in-situ weathering profile, it has been described as Topsoil both on the logs and within this report. Where man has clearly either placed the soil, or the composition altered, with say greater than an estimated 5% of a non-natural constituent, it has been referred to as Made Ground both on the log and within this report.

For complete information on the ground conditions encountered see the engineer logs presented in Appendix B.

2.3 Groundwater

Groundwater was only encountered within one exploratory hole (WS4) and was struck at

a depth of 3.20m bgl. The groundwater level remained at 3.20m bgl following monitoring for 20 minutes.

No groundwater monitoring wells were installed as part of the commissioned works.

2.4 Vacuum Excavation – Gas Main

Exploratory holes TP1, TP2, and TP3A were positioned to prove the depth of the underlying gas main. Each location was excavated using vacuum excavation.

The depth to the top of the gas main is recorded in Table 2.3, with location and depth details recorded on the site location plan presented in Appendix B.7.

Table 2.3 Depth to Gas Main

Hole No.	Depth to top of Gas Main	
	m BGL	m AOD
TP1	1.34	91.43
TP2	1.70	89.48
TP3A	1.45	90.25

Section 3 Discussion of Geotechnical In-Situ and Laboratory Testing

3.1 Dynamic Probe Tests

Dynamic probing (DPSH) was undertaken at six locations (DP1 to DP6) adjacent and prior to the drilling of their respective WS borehole. The results were converted to equivalent SPT “N60” values based on dynamic energy, and averaged over 0.50m sections, and results present in Table 3.1.

Table 3.1 Equivalent SPT N60 Values

Depth (m bgl)	Equivalent SPT N60 Values Averaged over 0.5m					
	DP1	DP2	DP3	DP4	DP5	DP6
0.50	13	16	15	24	11	11
1.00	16	18	6	5	13	16
1.50	17	22	10	8	14	13
2.00	13	12	24	14	19	23
2.50	47	19	29	47	16	19
3.00	47	22	41	44	42	59
3.50	60	59	66	61	-	100
4.00	44	54	-	43	-	35
4.50	100	-	-	100	-	69
5.00	-	-	-	52	-	67

The SPT “N60” values presented have been corrected in accordance with BS EN 22476 Part 3, to account for the rig's trip hammer efficiency, borehole depth, overburden factors etc. Further correction of the ‘N’ values should therefore not be necessary. The energy ratio of the drilling rig was 90.53%.

3.2 Road Cores and TRL-DCP Testing

Four road cores (RC1 to RC4) were undertaken at locations provided by the Client. The cores were drilled using a 150mm diameter diamond cutter. Following removal of the pavement cores a TRL dynamic cone penetrometer (DCP) was undertaken through the road subbase to obtain Californian Bearing Values (CBR). No testing was carried out on the road cores.

The road cores logs and DCP reports are presented in Appendix B.6 and Appendix C.1, respectively.

3.3 Infiltration Testing

Infiltration testing was undertaken in SA1, SA2, SA4 and SA6A following the principles of BRE Digest 365 Soakaway design: 1991. BRE 365 states that for an accurate infiltration rate to be obtained a soakage pit needs to be filled three times in quick succession. Each test can only be ended once 75% of the water present has drained away.

A single test was carried out at each location, with insufficient soakage recorded to allow calculation of an infiltration rate. The infiltration test data for each location is presented in Appendix C.2.

3.4 Moisture Content Tests

Moisture content testing was carried out on 11No. samples. Results of the moisture content testing are presented in Appendix C.3.

3.5 Atterberg Limit Tests

Atterberg Limit tests were carried out on 11No. samples. Results of the Atterberg Limit tests are presented in Appendix C.3.

3.6 Particle Size Distribution Testing

Particle size distribution (PSD) testing were scheduled on 1No. sample using the wet sieve method. Results of the PSD test are presented in Appendix C.3.

List of Figures

Figure 1 – Site Location Map	14
Figure 2 – Aerial Photograph	15
Figure 3 – Exploratory Hole Plan	16

List of Appendices

Appendix A Standards and Resources

Appendix B Field Work

Appendix B.1	WS Borehole Logs
Appendix B.2	DPSH Logs
Appendix B.3	Trial Pit Logs
Appendix B.4	Photographic Logs – WS
Appendix B.5	Photographic Logs – TP
Appendix B.6	Photographic Logs – RC
Appendix B.7	Site Location Plan

Appendix C Geotechnical In-situ and Laboratory Testing

Appendix C.1	DCP Testing
Appendix C.2	Infiltration Testing
Appendix C.3	Geotechnical Laboratory Results

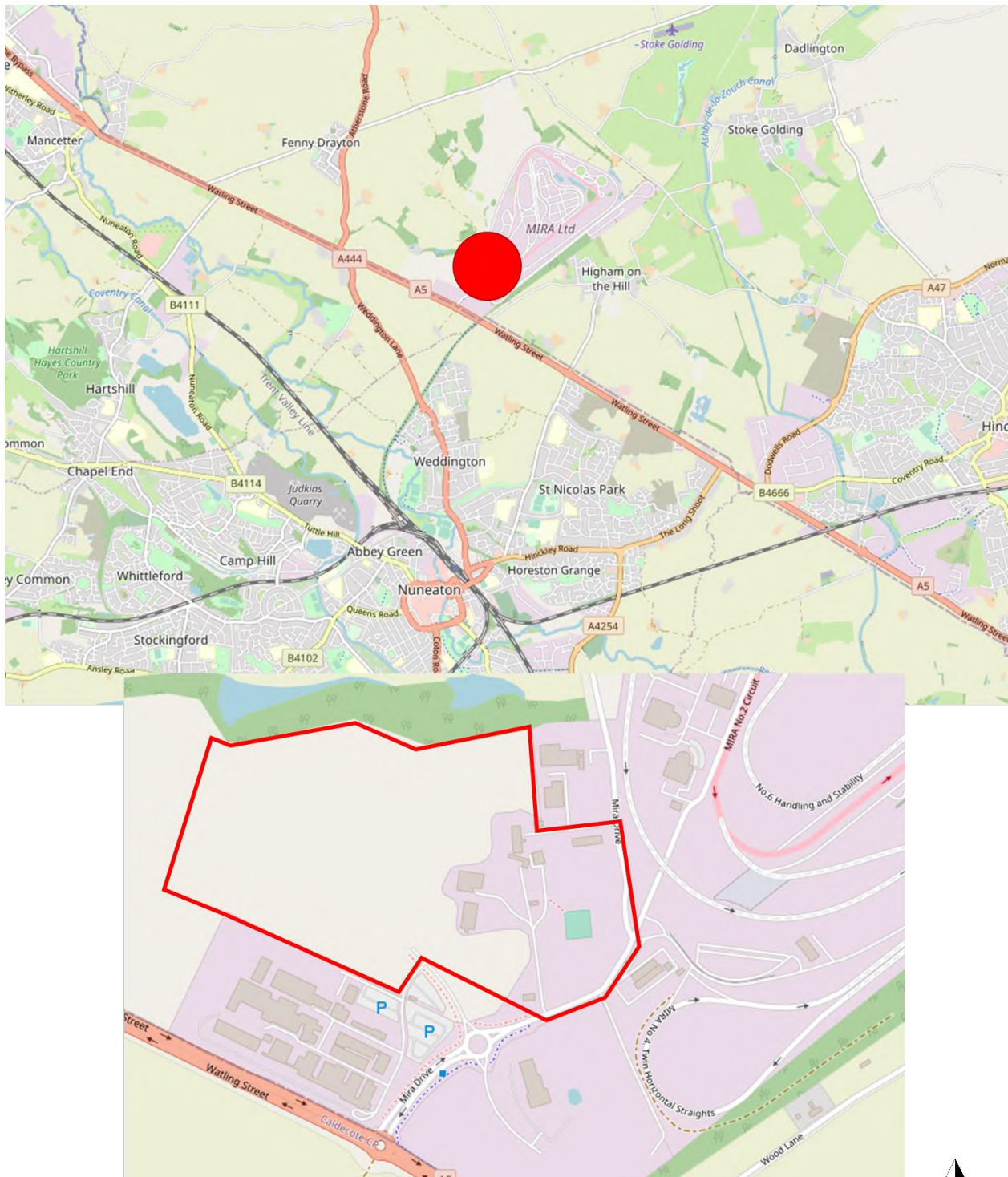


Figure 1 – Site Location Map

Job Number
20188

Client
Horiba MIRA

Project
MIRA, Watling Street, Nuneaton, Leicestershire
CV10 0TU

Date
July 2022



Figure 2 – Aerial Photograph

Project

MIRA, Watling Street, Nuneaton,
Leicestershire CV10 0TU

Client

Horiba MIRA

Date

July 2022

Job Number

20188



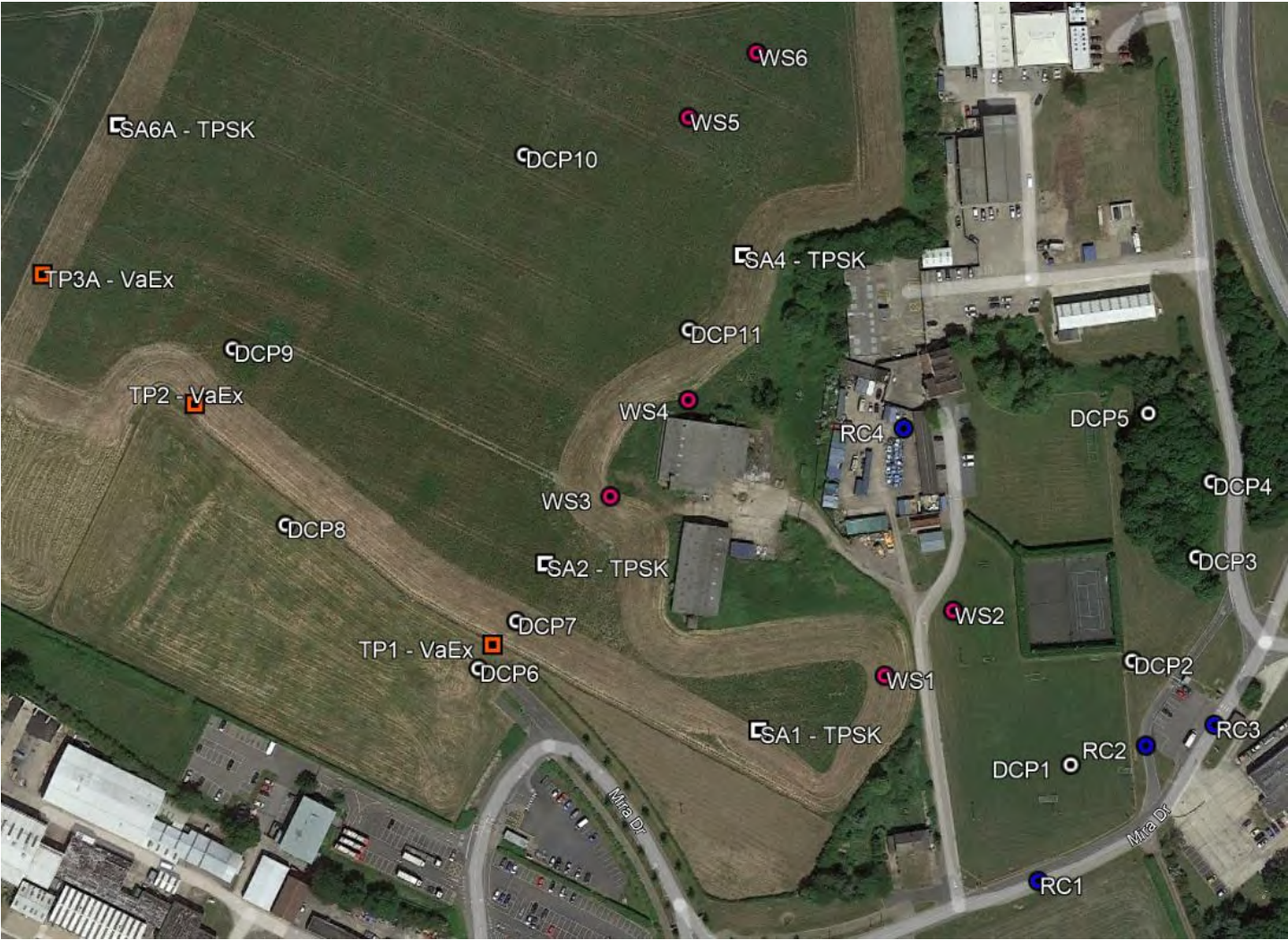


Figure 3 – Exploratory Hole Plan

Project
MIRA, Watling Street, Nuneaton,
Leicestershire CV10 0TU

Client
Horiba MIRA

Date
July 2022

Job Number
20188



Appendix A Standards and Resources

The site works, soil descriptions and geotechnical testing was undertaken in accordance with the following standards and resources were applicable:

- BS 5930:2015 and BS EN ISO 22476-2 2005+A1:2011
- BS 5930:2015 and BS EN ISO 22476-2&3:2005+A1:2011
- BS 5930:2015 and BS EN ISO 22476-3:2005+A1:2011
- BS EN ISO 14688-1:2018 - Geotechnical investigation and testing - Identification and description
- BS EN ISO 14688-2:2018 - Geotechnical investigation and testing - Principles for a classification
- BS 1377:1990 Parts 1 to 8
- Stroud, M. A. 1974, "The Standard Penetration Test – its application and interpretation", Proc. ICE Conf. on Penetration Testing in the UK, Birmingham. Thomas Telford, London.
- Google Earth
- British Geological Survey Website & iGeology App

Appendix B Field Work

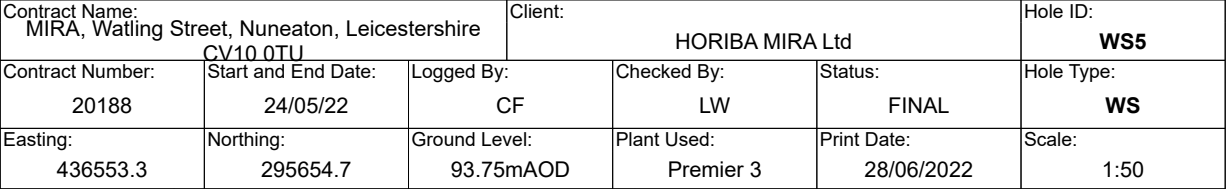
Appendix B.1 WS Borehole Logs

soils L I M I T E D				Contract Name: MIRA, Watling Street, Nuneaton, Leicestershire				Client: HORIBA MIRA Ltd				Hole ID: WS1			
				Contract Number: 20188		Start and End Date: 25/05/22		Logged By: CF		Checked By: LW		Status: FINAL		Hole Type: WS	
				Easting: 436635.7		Northing: 295425.6		Ground Level: 95.97mAOD		Plant Used: Premier 3		Print Date: 28/06/2022		Scale: 1:50	
Weather: Cloudy				Termination: Sampler refusal								Sheet 1 of 1			
Samples & In Situ Testing					Strata Details								Groundwater		
Depth	Type	Results	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description						Water Strike	Backfill/Installation		
0.20	D		95.67	(0.30)		Firm brown slightly gravelly sandy desiccated CLAY. Gravel is sub-rounded fine to coarse igneous. Frequent rootlets. TOPSOIL. Stiff becoming very stiff orangish brown, reddish brown and brown mottled slightly sandy silty CLAY. Sand is predominantly fine. Occasional black speckling. Occasional rootlets. Very stiff light grey mottled reddish brown slightly gravelly very sandy CLAY. Sand is predominantly fine. Gravel is angular fine siltstone. Frequent thin interlamimated fine light grey sand and silty clay. Rare band of siltstone/mudstone. Rare rootlets. <i>Band of light grey very weak siltstone.</i> Very stiff reddish brown mottled red, slightly gravelly slightly sandy CLAY. Gravel is angular fine to coarse very weak to weak mudstone and fine very weak siltstone. Occasional lens and thin to thick laminations of light grey fine sand. <i>Band of orangish brown strong siltstone/mudstone.</i>						1			
0.40	D			0.30											
0.60	D			0.55											
0.90	D			0.75											
1.40	D		93.67	(1.55)		Very stiff orangish brown mottled red slightly sandy gravelly CLAY. Gravel is angular to sub-angular fine to coarse very weak mudstone. <i>Band of orangish brown and red mudstone.</i>						2			
1.90	D			2.30											
2.40	D		93.47	2.50		End of Borehole at 2.50m						3			
												4			
												5			
												6			
												7			
												8			
												9			
												10			
Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks:						
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	No groundwater encountered						
Chiselling					Installation				Water Strikes						
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks	
												0	0.00	No groundwater encountered.	
Hand vane (HV), Hand penetrometer (HP) reported in kPa. PID reported in ppm.															

	Contract Name: MIRA, Watling Street, Nuneaton, Leicestershire				Client: HORIBA MIRA Ltd				Hole ID: WS2					
	Contract Number: 20188		Start and End Date: 24/05/22		Logged By: CF		Checked By: LW		Status: FINAL		Hole Type: WS			
	Easting: 436664.3		Northing: 295451.5		Ground Level: 96.73mAOD		Plant Used: Premier 3		Print Date: 28/06/2022		Scale: 1:50			
Weather: Cloudy				Termination: Sampler refusal								Sheet 1 of 1		
Samples & In Situ Testing					Strata Details							Groundwater		
Depth	Type	Results	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description						Water Strike	Backfill/Installation	
0.20	D		96.38	(0.35)		Firm becoming stiff brown slightly gravelly sandy desiccated CLAY. Gravel is sub-rounded to well-rounded fine to coarse flint and igneous. Frequent rootlets. TOPSOIL.						1		
0.50	D			0.35		Very stiff reddish brown mottled red, slightly sandy slightly gravelly CLAY. Gravel is angular fine to medium extremely weak to very weak mudstone. Occasional rootlets becoming rare. Rare light grey fine sand inclusions.								
1.00	D			(1.53)										
1.50	D													
1.90	D		94.85	1.88		Light grey mottled red extremely weak to weak SILTSTONE. Occasional interbedded silty clay and gravelly sand. Gravel is angular fine to medium extremely weak siltstone.						2		
2.10	D		94.77	1.98		Very stiff reddish brown mottled red, slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse extremely weak to very weak mudstone. Occasional very weak to weak siltstone band. Rare light grey mottling and fine sand inclusions.								
2.60	D			(1.54)		Interbedded light grey very weak siltstone with red silty clay.						3		
3.10	D				Band of light grey mottling. Fine gravel-sized fine sand inclusions.									
3.50	D				Band of light grey very weak siltstone.									
						End of Borehole at 3.50m						4		
												5		
												6		
												7		
												8		
												9		
												10		
Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks:					
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	No groundwater encountered					
Chiselling					Installation				Water Strikes					
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
												0	0.00	No groundwater encountered.
Hand vane (HV), Hand penetrometer (HP) reported in kPa. PID reported in ppm.														

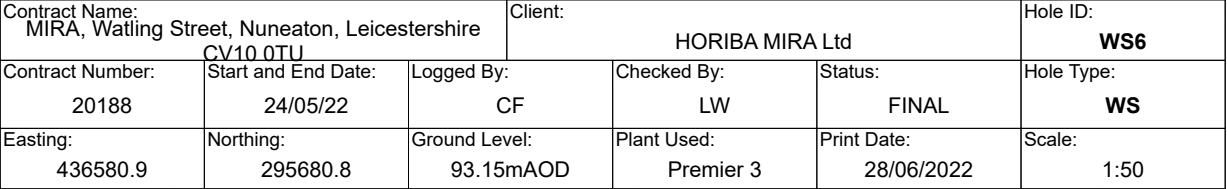
	Contract Name: MIRA, Watling Street, Nuneaton, Leicestershire				Client: HORIBA MIRA Ltd				Hole ID: WS3					
	Contract Number: 20188		Start and End Date: 24/05/22		Logged By: CF		Checked By: LW		Status: FINAL		Hole Type: WS			
	Easting: 436523.0		Northing: 295495.5		Ground Level: 95.76mAOD		Plant Used: Premier 3		Print Date: 28/06/2022		Scale: 1:50			
Weather: Cloudy				Termination: Sampler refusal								Sheet 1 of 1		
Samples & In Situ Testing					Strata Details							Groundwater		
Depth	Type	Results	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description						Water Strike	Backfill/Installation	
0.10	D		95.61	0.15		Firm becoming stiff brown slightly gravelly sandy desiccated CLAY. Gravel is sub-rounded to well-rounded fine to coarse flint and igneous. Frequent rootlets. Rare coarse sand-sized red brick (<5%). TOPSOIL. Very stiff orangish brown mottled red, slightly gravelly sandy CLAY. Gravel is sub-angular to well-rounded fine to medium extremely weak mudstone and flint. Occasional rootlets. Rare black speckling. Very stiff reddish brown mottled red, slightly sandy slightly gravelly CLAY. Gravel is angular fine to medium extremely weak mudstone. Occasional rootlets. Rare light grey fine sand inclusions. Stiff dark brown mottled reddish brown slightly sandy silty CLAY. Sand is predominantly fine. Occasional black speckling. Occasional rootlets. Very stiff reddish brown mottled red, slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse extremely weak to very weak mudstone. Occasional very weak to weak siltstone band. Rare black speckling in upper boundary. Rare light grey mottling and fine sand inclusions. Rare rootlets. Rare desiccated rootlets with black mottling. <i>Occasional dark reddish brown mottling.</i> <i>Band of light grey mottling. Fine gravel-sized fine sand inclusions.</i> <i>Band of orangish brown and red mudstone.</i>						1		
0.30	D	(0.35)												
0.60	D	0.50												
0.80	D	0.75												
1.00	D	0.90												
1.50	D		94.86	(2.10)		End of Borehole at 3.00m						3		
2.00	D													
2.30	D													
2.50	D													
3.00	D		92.76	3.00								4		
												5		
												6		
												7		
												8		
												9		
												10		
Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks:					
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	No groundwater encountered					
Chiselling					Installation				Water Strikes					
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
												0	0.00	No groundwater encountered.
									Hand vane (HV), Hand penetrometer (HP) reported in kPa. PID reported in ppm.					

	Contract Name: MIRA, Watling Street, Nuneaton, Leicestershire				Client: HORIBA MIRA Ltd				Hole ID: WS4					
	Contract Number: 20188		Start and End Date: 24/05/22		Logged By: CF		Checked By: LW		Status: FINAL		Hole Type: WS			
	Easting: 436557.0		Northing: 295536.7		Ground Level: 96.46mAOD		Plant Used: Premier 3		Print Date: 28/06/2022		Scale: 1:50			
Weather: Cloudy				Termination: Sampler refusal								Sheet 1 of 1		
Samples & In Situ Testing				Strata Details								Groundwater		
Depth	Type	Results	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description						Water Strike	Backfill/Installation	
0.20	D		96.26	0.20 (0.40)		Dark brown clayey very gravelly SAND. Gravel is angular fine to medium igneous, flint, fine red brick, sandstone and clinker. Frequent rootlets. MADE GROUND. Brown clayey very gravelly SAND. Gravel is angular to well-rounded fine to coarse flint, concrete, red brick, clinker and igneous. Occasional flint and concrete cobbles. Occasional glass and plastic fragments. Occasional rootlets. MADE GROUND. Stiff becoming very stiff brown mottled reddish brown, slightly sandy slightly gravelly CLAY. Gravel is angular to well-rounded fine to coarse flint, concrete, red brick, clinker and igneous. Occasional plastic fragments. Occasional rootlets. MADE GROUND. <i>Band of odourless black mottling.</i> Very stiff reddish brown mottled red, slightly sandy slightly gravelly CLAY. Gravel is angular fine to medium extremely weak mudstone. Occasional rootlets becoming rare. Rare light grey fine sand inclusions.						1		
0.30	ES/D													
0.40	D		95.96	0.50										
0.60	ES/D			(0.35)										
0.70	D		95.61	0.85										
1.00	D					Light grey mottled red very weak to medium strong SILTSTONE. Occasional interbedded silty clay and gravelly sand. Gravel is angular fine to medium very weak siltstone. Very stiff reddish brown mottled red, slightly sandy slightly gravelly becoming gravelly CLAY. Gravel is angular fine to coarse extremely weak to very weak mudstone and weak siltstone. Rare light grey mottling and fine sand inclusions.						3		
1.50	D			(1.65)										
2.00	D													
2.40	D		93.96	2.50										
2.55	D		93.86	2.60		End of Borehole at 2.90m						4		
2.80	D		93.46	3.00										
												5		
												6		
												7		
												8		
												9		
												10		
Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks:					
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	No groundwater encountered					
Chiselling					Installation				Water Strikes					
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
												0	0.00	No groundwater encountered.
Hand vane (HV), Hand penetrometer (HP) reported in kPa. PID reported in ppm.														



Weather: Cloudy	Termination: Sampler refusal	Sheet 1 of 1
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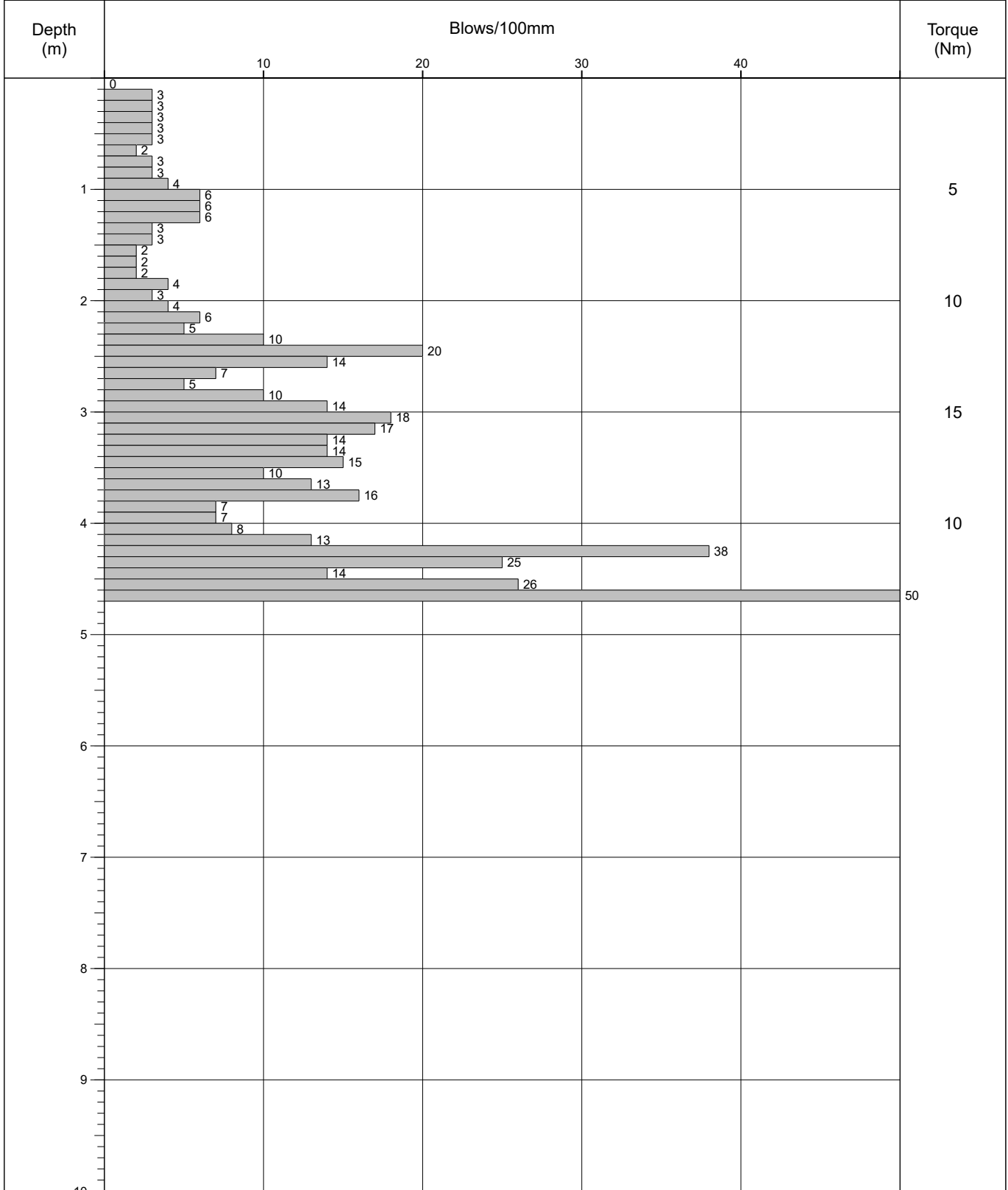
Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks:					
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	No groundwater encountered					
Chiselling					Installation				Water Strikes					
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
												0	0.00	No groundwater encountered.
									Hand vane (HV), Hand penetrometer (HP) reported in kPa. PID reported in ppm.					



Weather: Cloudy	Termination: Sampler refusal	Sheet 1 of 1
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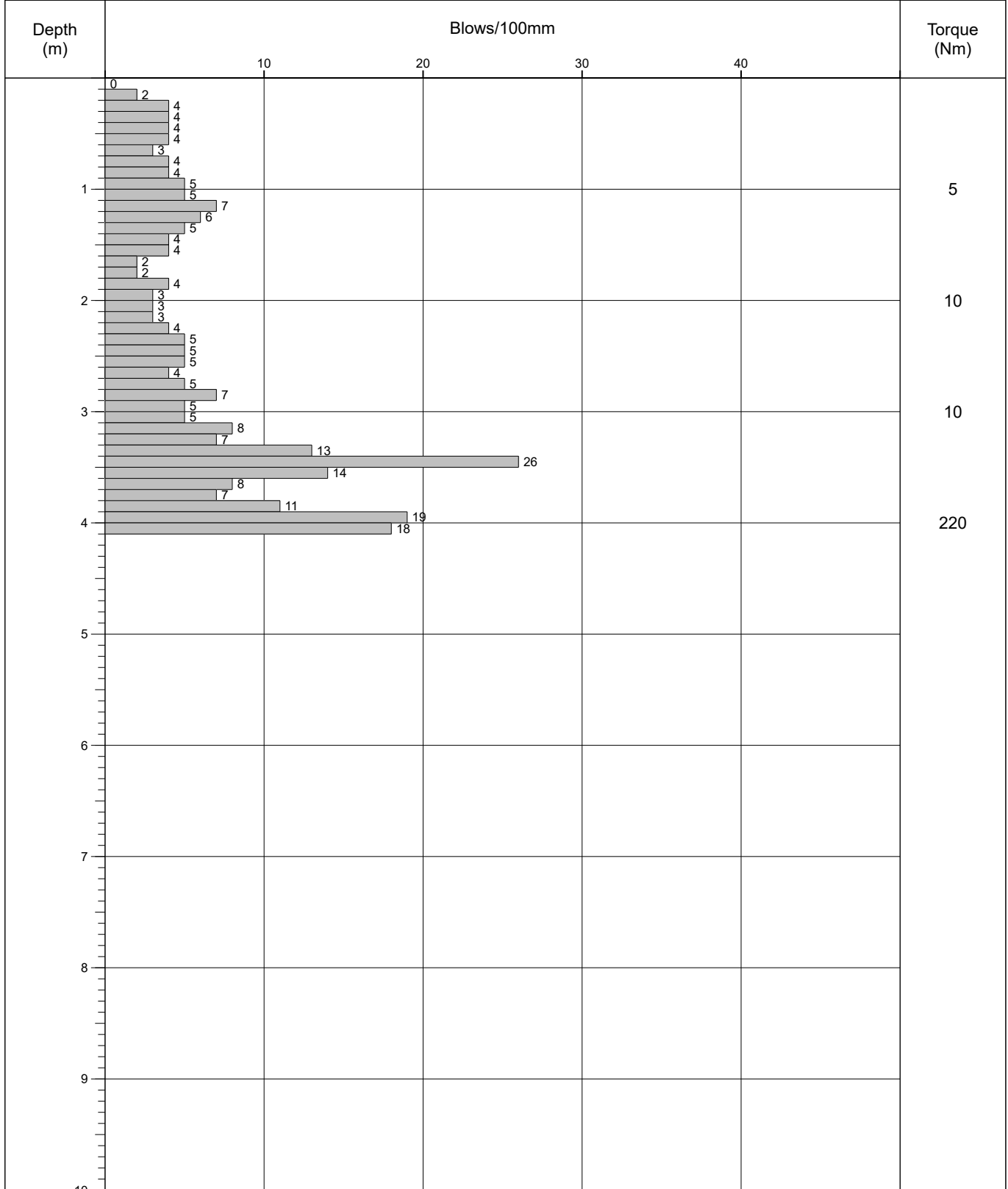
Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks:
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	
Chiselling					Installation				Water Strikes
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike (m) 3.20 Casing (m) Sealed (m) Time (mins) 20 Rose to (m) 3.20 Remarks Groundwater struck at 3.20m bgl.
									Hand vane (HV), Hand penetrometer (HP) reported in kPa. PID reported in ppm.

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436635.68E - 295425.62N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	95.969m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	25/05/2022				



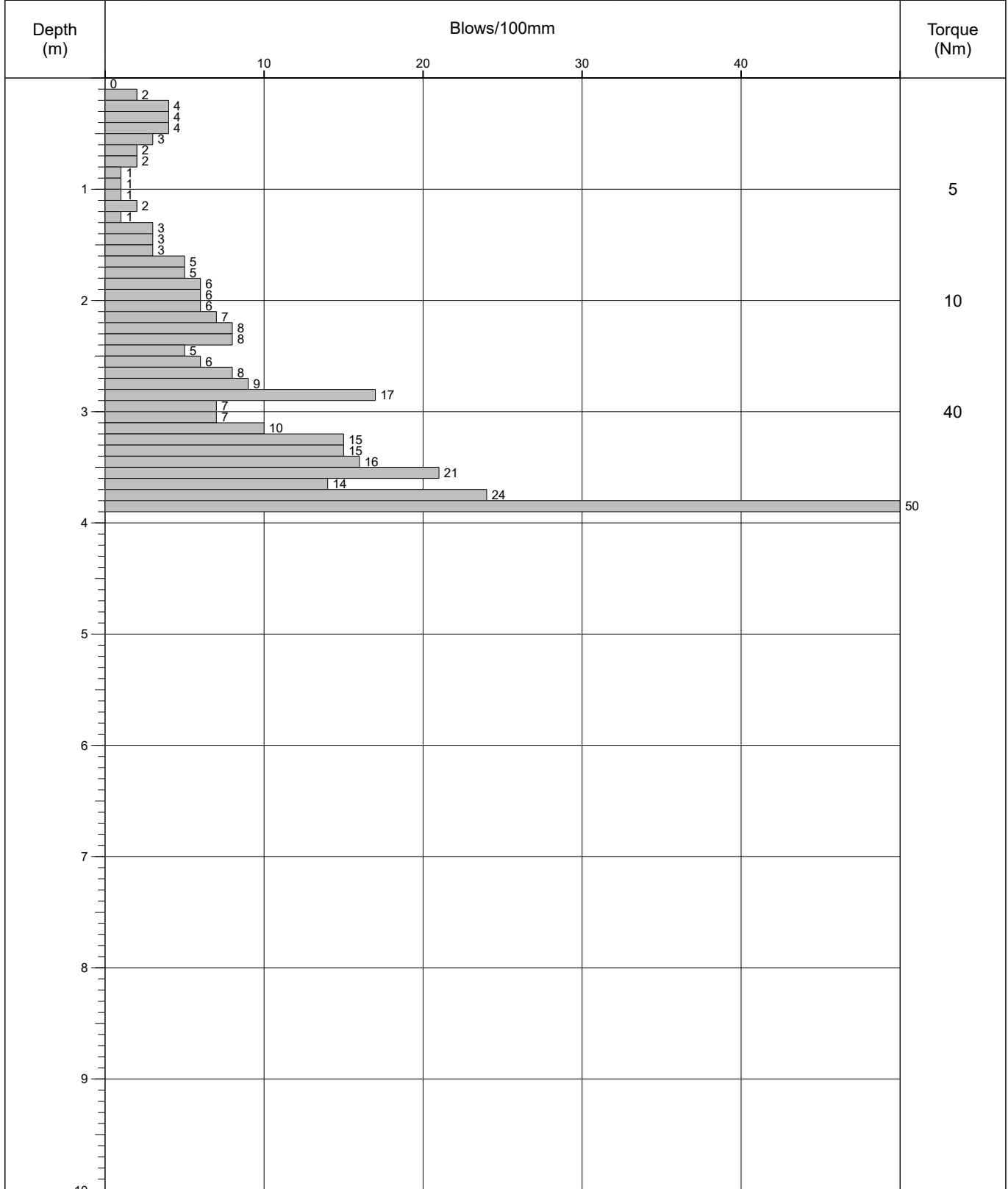
Remarks Refusal - 50 blows for 95mm	Fall Height	760mm	Cone Base Diameter	52mm
	Hammer Weight	63.5kg	Final Depth	4.6m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436664.28E - 295451.52N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	96.731m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



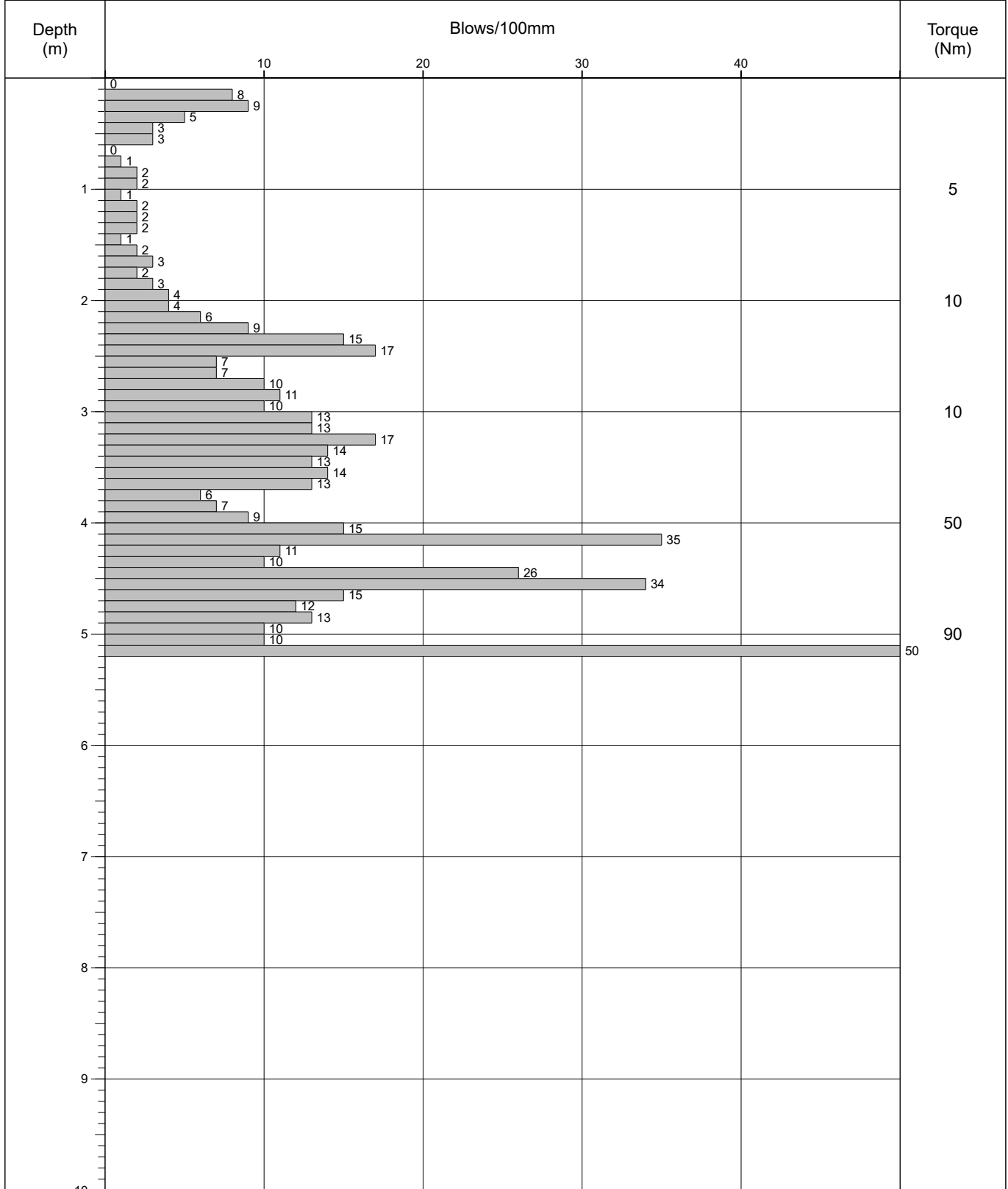
Remarks Torque refusal	Fall Height	760mm	Cone Base Diameter	52mm
	Hammer Weight	63.5kg	Final Depth	4m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436522.96E - 295495.53N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	95.759m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



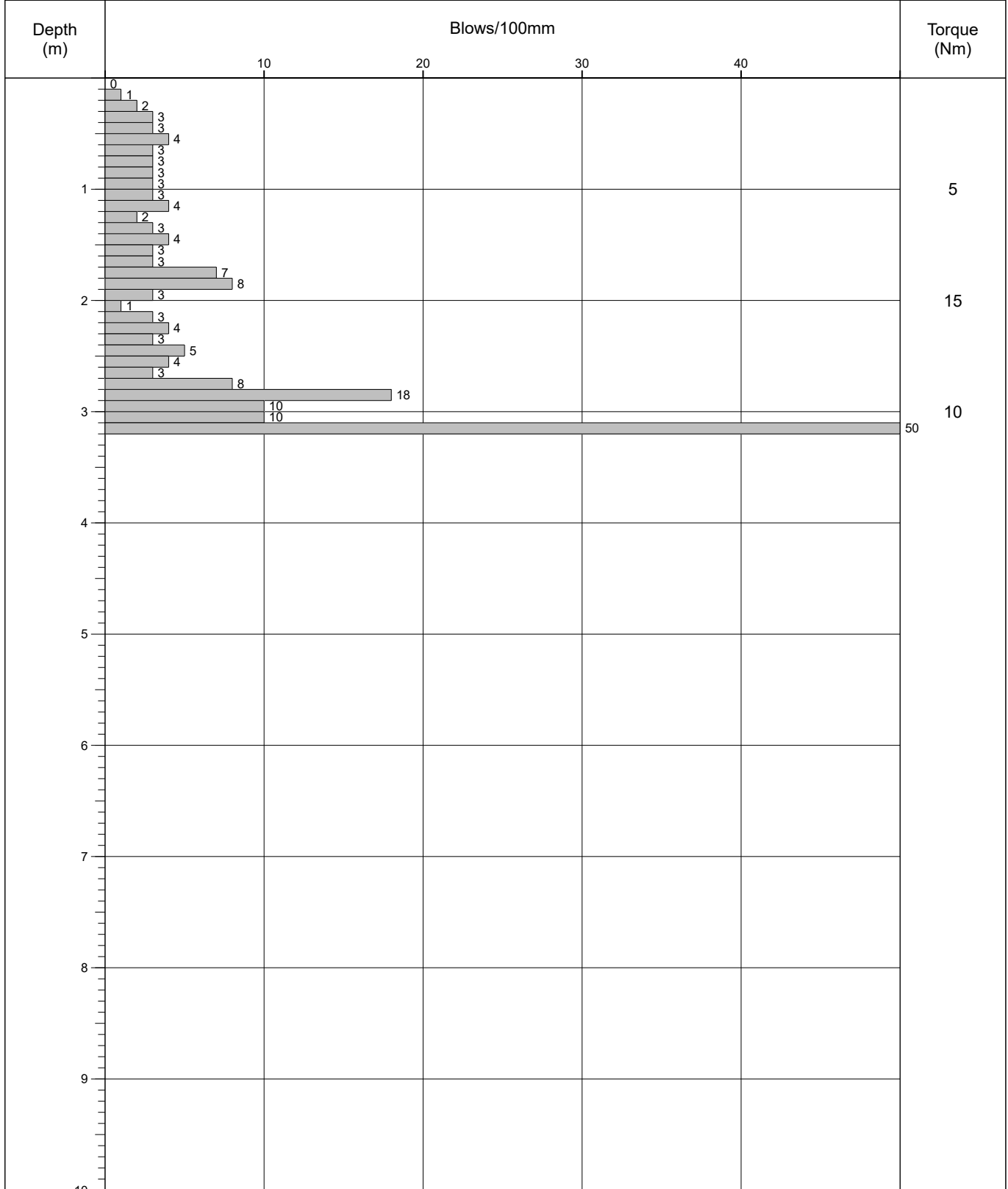
Remarks Refusal - 50 blows for 55mm	Fall Height	760mm	Cone Base Diameter	52mm
	Hammer Weight	63.5kg	Final Depth	3.8m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436556.97E - 295536.74N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	96.46m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



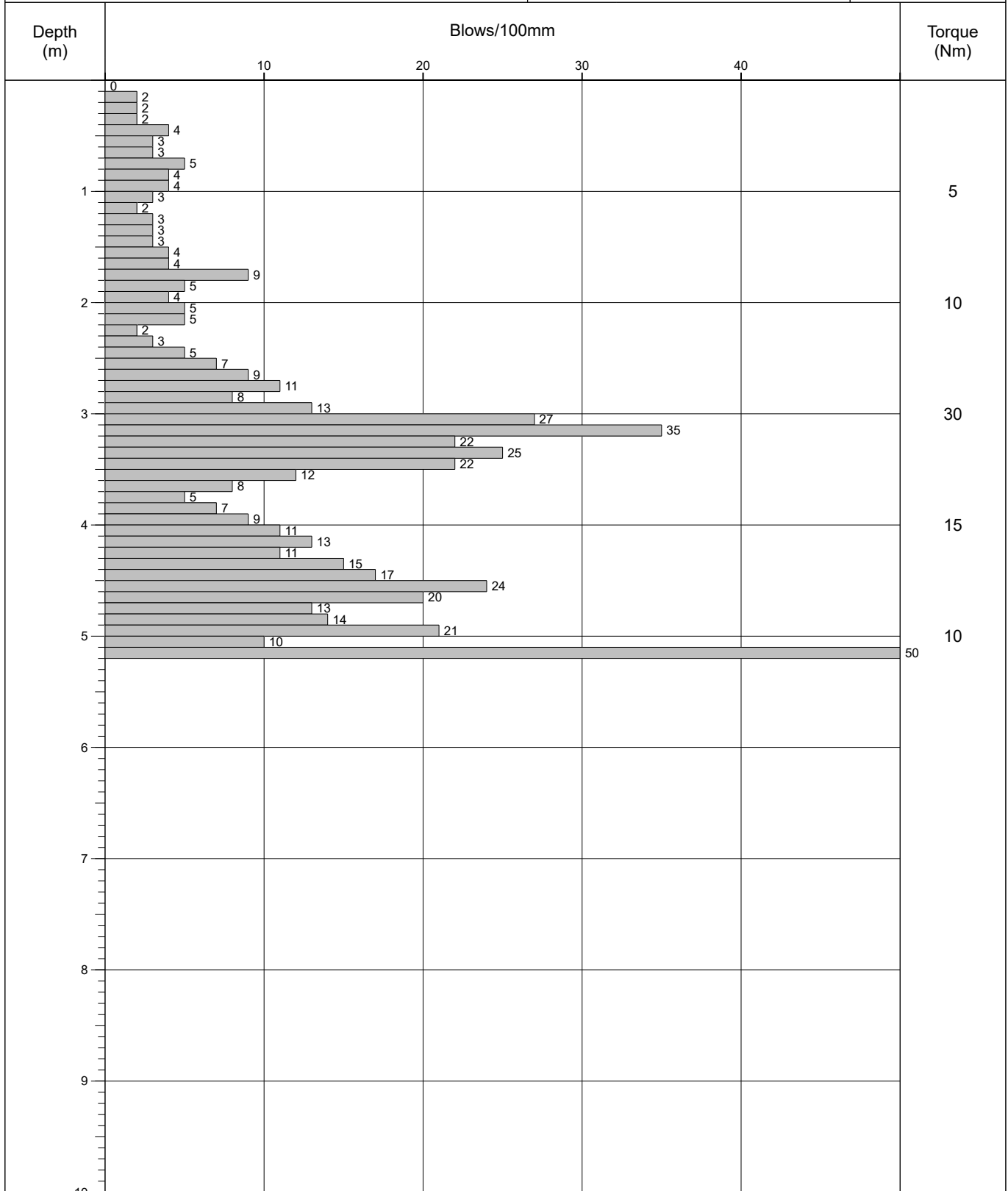
Remarks	Fall Height	760mm	Cone Base Diameter	52mm
Refusal - 50 blows for 65mm	Hammer Weight	63.5kg	Final Depth	5.1m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436553.32E - 295654.72N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	93.753m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



Remarks Refusal - 50 blows for 50mm	Fall Height	760mm	Cone Base Diameter	52mm
	Hammer Weight	63.5kg	Final Depth	3.1m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436580.86E - 295680.84N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	93.147m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



Remarks	Fall Height	760mm	Cone Base Diameter	52mm
Refusal - 50 blows for 90mm	Hammer Weight	63.5kg	Final Depth	5.1m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR Tel: 01737 814221 Email: admin@soilslimited.co.uk			Trial Pit Log		Trial Pit No. SA1 Sheet 1 of 1		
Project Name: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Project No.: 20188		Method:		Hole Type	
Location: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Plant: Colden Plant Hire		Support:		TP	
Client: HORIBA MIRA Ltd				Trial Pit Length: m		Trial Pit Width: m		Scale 1:25	
Dates: 24/05/2022				Level: 95.28m AOD		Co-ords: E436584.53 N295401.98		Logged By JC	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	D ES		0.30	94.98		Grass over brown, slightly sandy, slightly gravelly SILT. Gravel is well rounded fine to coarse flint. Roots and rootlets. TOPSOIL		
	0.50	D ES		0.70	94.58		Brown, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets		
	1.00	D ES					Reddish brown and grey mottled, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets.		
	1.50	D ES		1.50	93.78		End of Pit at 1.500m		
General Remarks: Roots encountered to depth. No groundwater encountered							Sample Type D: Disturbed B: Bulk J: Jar W: Water		
Groundwater Remarks:									

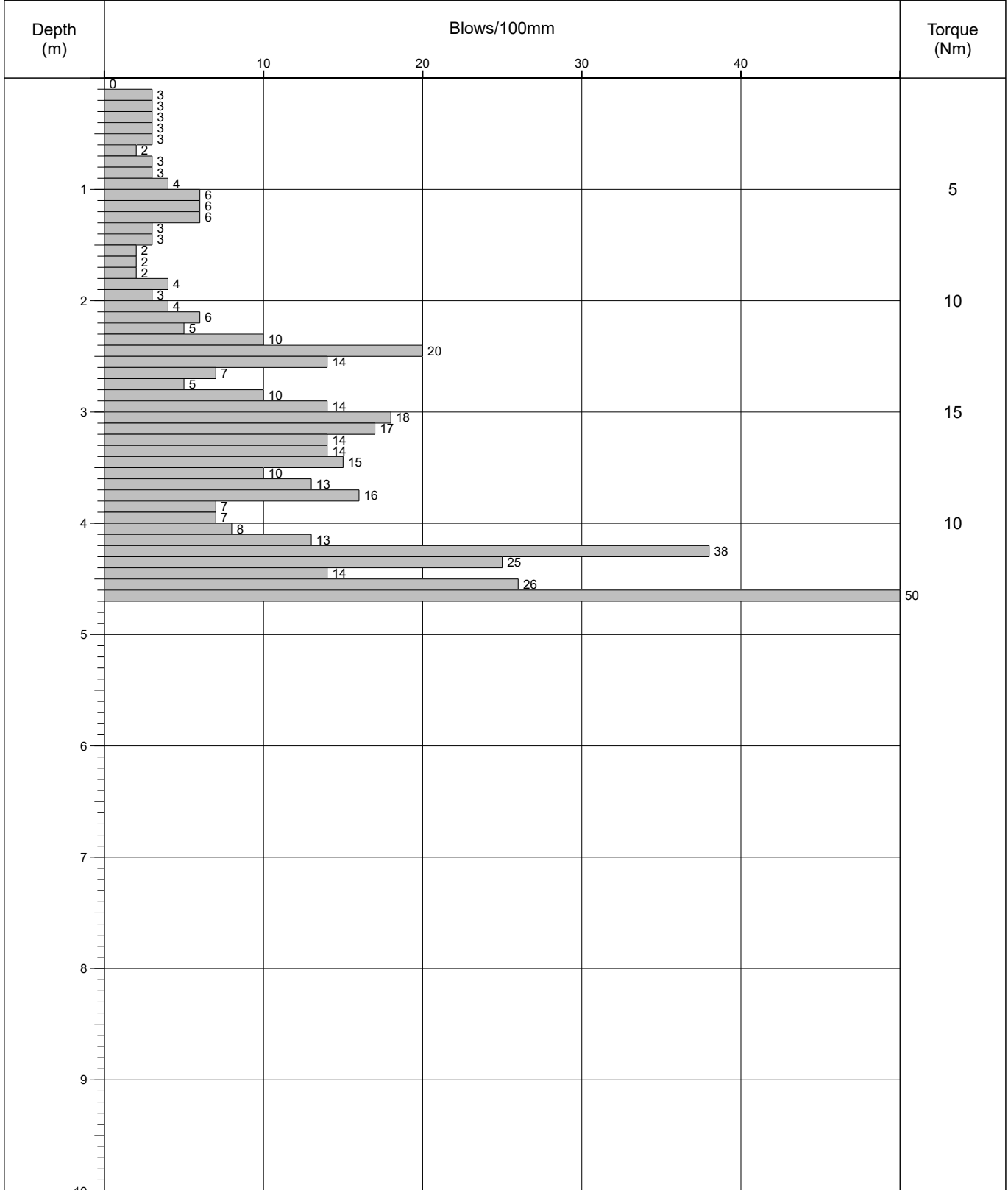
		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR Tel: 01737 814221 Email: admin@soilslimited.co.uk			Trial Pit Log		Trial Pit No. SA2 Sheet 1 of 1		
Project Name: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Project No.: 20188		Method:		Hole Type	
Location: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Support:		Colden Plant Hire		TP	
Client: HORIBA MIRA Ltd				Trial Pit Length: m		Trial Pit Width: m		Scale 1:25	
Dates: 24/05/2022				Level: 94.43m AOD		Co-ords: E436495.68 N295469.83		Logged By JC	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	D ES		0.30	94.13		Grass over brown, slightly sandy, slightly gravelly SILT. Gravel is well rounded fine to coarse flint. Roots and rootlets. TOPSOIL		
	0.50	D ES		0.66	93.77		Brown, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets		
	1.00	D ES					Reddish brown and grey mottled, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets.		
	1.50	D ES		1.50	92.93		End of Pit at 1.500m		
General Remarks: Roots encountered to depth. No groundwater encountered							Sample Type D: Disturbed B: Bulk J: Jar W: Water		
Groundwater Remarks:									

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR Tel: 01737 814221 Email: admin@soilslimited.co.uk			Trial Pit Log		Trial Pit No. SA4 Sheet 1 of 1		
Project Name: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Project No.: 20188		Method:		Hole Type TP	
Location: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Support:		Scale 1:25		Logged By JC	
Client: HORIBA MIRA Ltd				Trial Pit Length: m		Trial Pit Width: m			
Dates: 24/05/2022			Level: 95.41m AOD		Co-ords: E436574.79 N295597.74				
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	D ES		0.30	95.11		Grass over brown, slightly sandy, slightly gravelly SILT. Gravel is well rounded fine to coarse flint. Roots and rootlets. TOPSOIL		
	0.50	D ES		0.70	94.71		Brown, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets		
	1.00	D ES		0.70	94.71		LAND DRAIN		
	1.50	D ES		1.50	93.91		Reddish brown and grey mottled, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets.		
							End of Pit at 1.500m		
General Remarks: Roots encountered to depth. No groundwater encountered								Sample Type D: Disturbed B: Bulk J: Jar W: Water	
Groundwater Remarks:									

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR Tel: 01737 814221 Email: admin@soilslimited.co.uk			Trial Pit Log		Trial Pit No. SA6 Sheet 1 of 1			
Project Name: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Project No.: 20188		Method:		Hole Type		
Location: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Support:		Colden Plant Hire		TP		
Client: HORIBA MIRA Ltd				Trial Pit Length: m		Trial Pit Width: m		Scale 1:25		
Dates: 25/05/2022				Level: 92.01m AOD		Co-ords: E436319.91 N295654.29		Logged By JC		
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description			
	Depth	Type	Results							
	0.20	D ES		0.35	91.66		Grass over brown, slightly sandy, slightly gravelly SILT. Gravel is well rounded fine to coarse flint. Roots and rootlets. TOPSOIL			
	0.50	D ES						Brown, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets		
	1.00	D ES							Reddish brown and grey mottled, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets.	
	1.50	D ES		1.50	90.51		End of Pit at 1.500m			
General Remarks: Roots encountered to depth. No groundwater encountered							Sample Type D: Disturbed B: Bulk J: Jar W: Water			
Groundwater Remarks:										

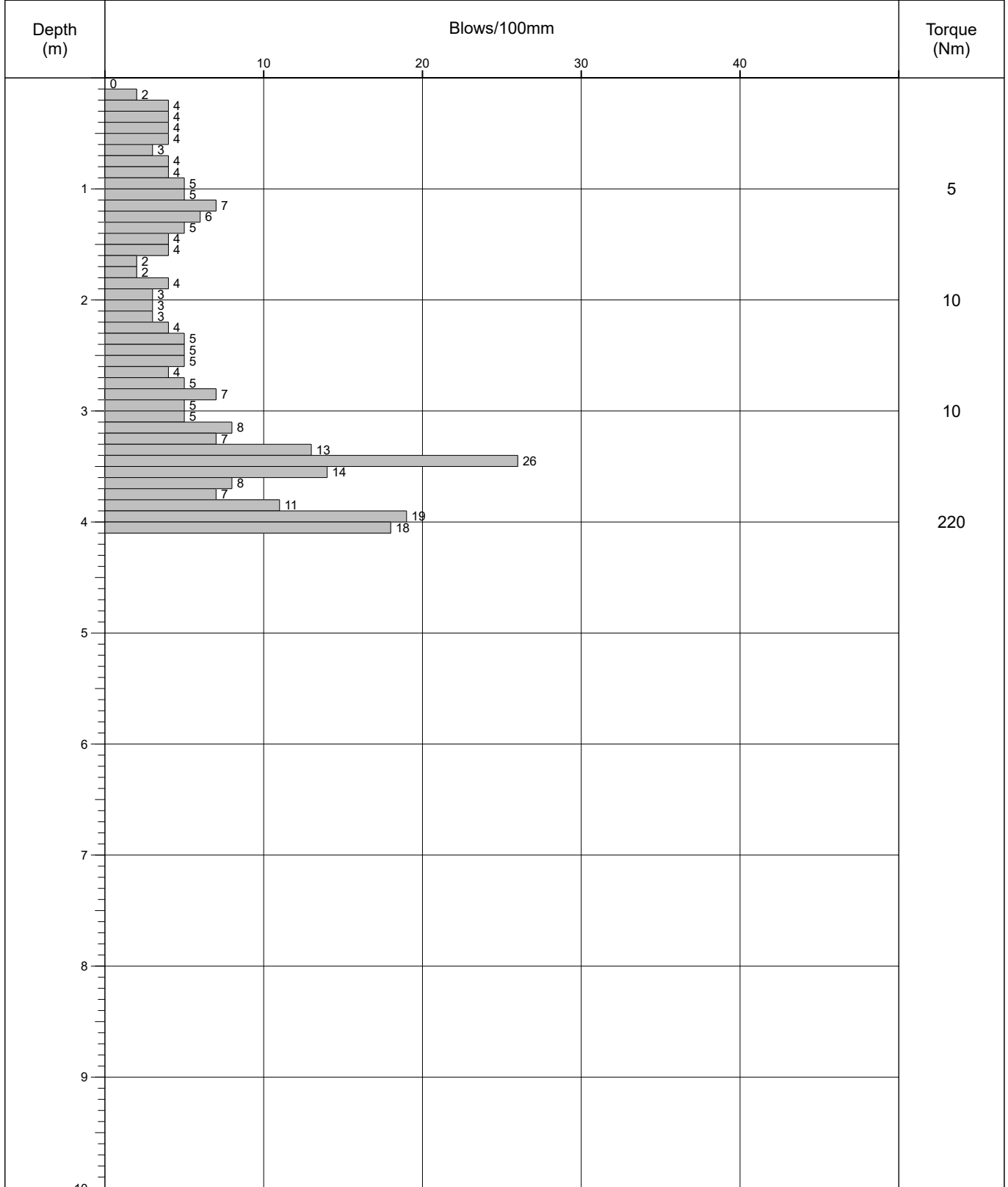
Appendix B.2 DPSH Logs

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436635.68E - 295425.62N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	95.969m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	25/05/2022				



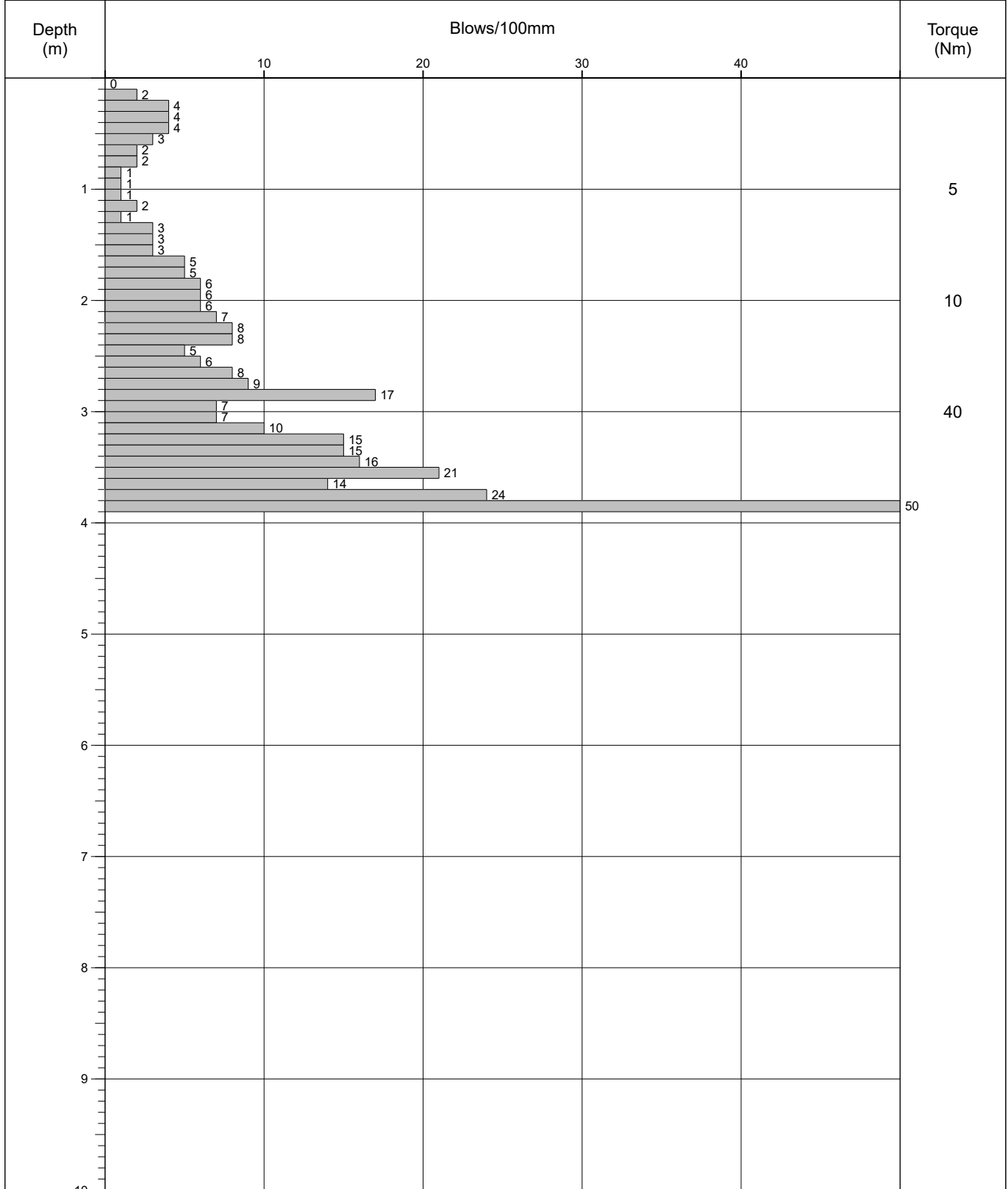
Remarks Refusal - 50 blows for 95mm	Fall Height	760mm	Cone Base Diameter	52mm
	Hammer Weight	63.5kg	Final Depth	4.6m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436664.28E - 295451.52N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	96.731m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



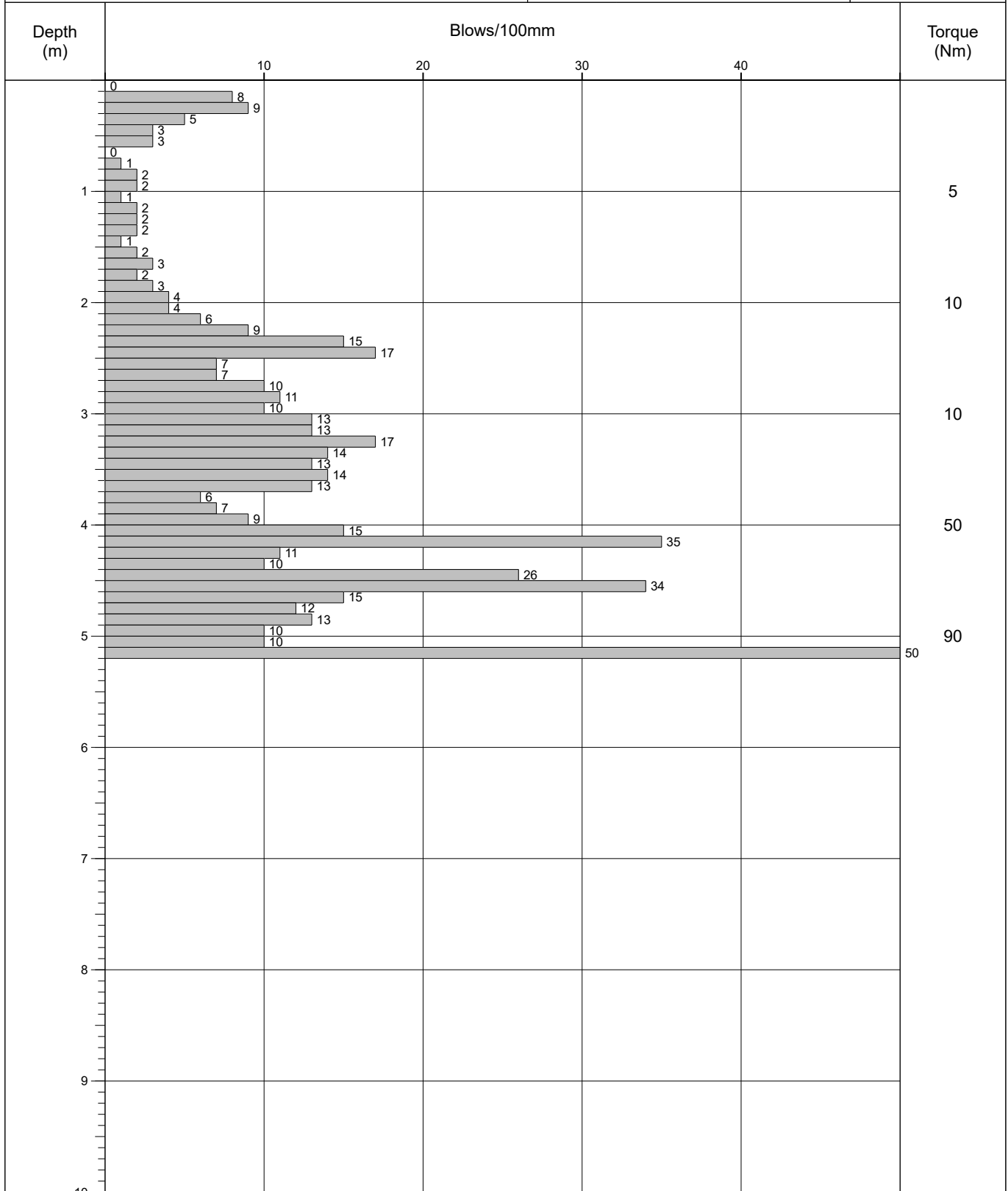
Remarks Torque refusal	Fall Height	760mm	Cone Base Diameter	52mm
	Hammer Weight	63.5kg	Final Depth	4m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436522.96E - 295495.53N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	95.759m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



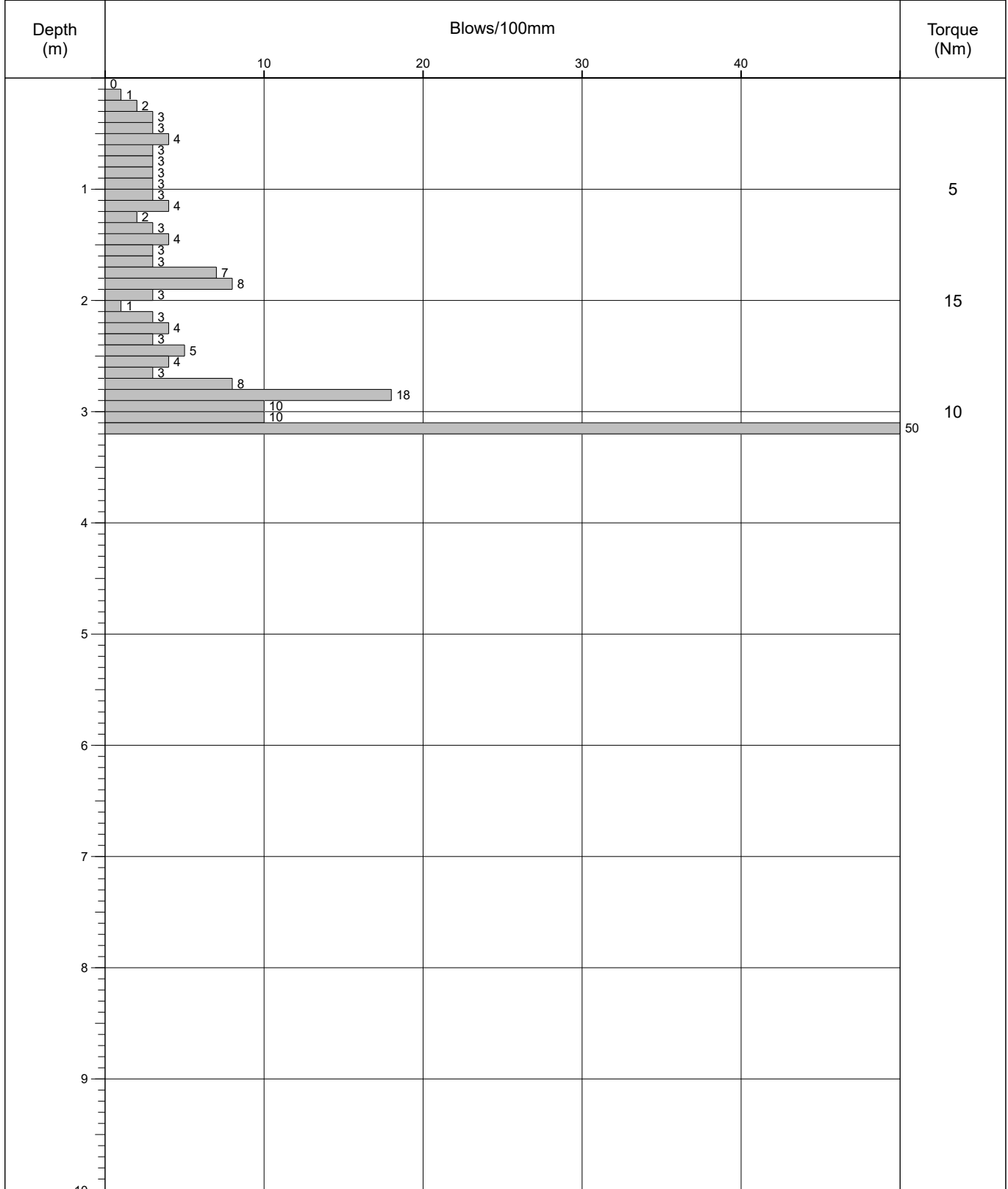
Remarks Refusal - 50 blows for 55mm	Fall Height	760mm	Cone Base Diameter	52mm
	Hammer Weight	63.5kg	Final Depth	3.8m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436556.97E - 295536.74N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	96.46m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



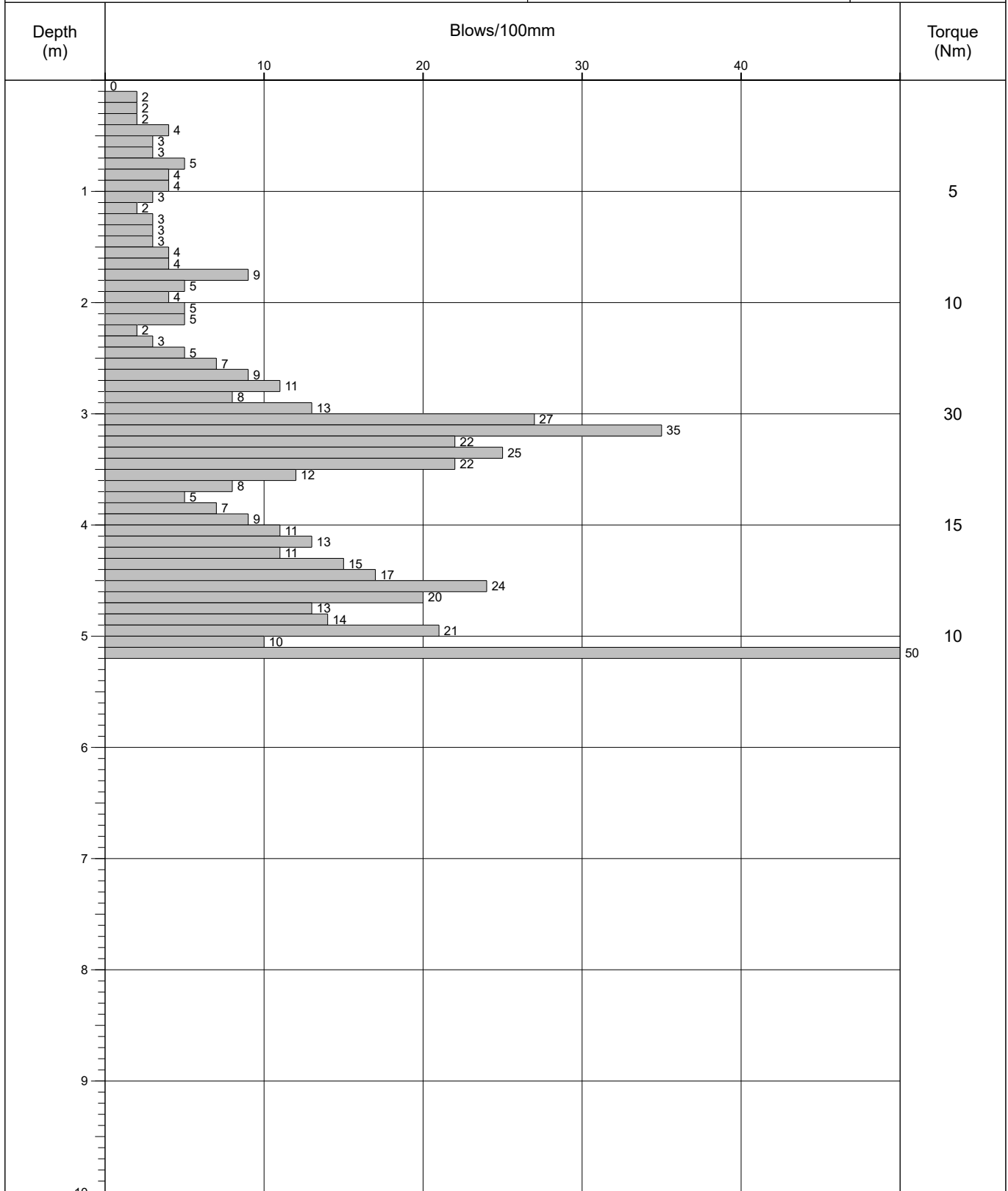
Remarks	Fall Height	760mm	Cone Base Diameter	52mm
Refusal - 50 blows for 65mm	Hammer Weight	63.5kg	Final Depth	5.1m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436553.32E - 295654.72N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	93.753m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



Remarks Refusal - 50 blows for 50mm	Fall Height	760mm	Cone Base Diameter	52mm
	Hammer Weight	63.5kg	Final Depth	3.1m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Project Name:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Project No.	20188	Co-ords:	436580.86E - 295680.84N	Hole Type	DP
Location:	MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU	Level:	93.147m AOD	Scale	1:50	Logged By	GJB
Client:	HORIBA MIRA Ltd	Dates:	24/05/2022				



Remarks	Fall Height	760mm	Cone Base Diameter	52mm
Refusal - 50 blows for 90mm	Hammer Weight	63.5kg	Final Depth	5.1m
	Probe Type	DPSH-B	Energy Ratio (Er)	90.53%

Appendix B.3 Trial Pit Logs

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR Tel: 01737 814221 Email: admin@soilslimited.co.uk			Trial Pit Log		Trial Pit No. SA1 Sheet 1 of 1		
Project Name: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Project No.: 20188		Method:		Hole Type	
Location: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Plant: Colden Plant Hire		Support:		TP	
Client: HORIBA MIRA Ltd				Trial Pit Length: m		Trial Pit Width: m		Scale 1:25	
Dates: 24/05/2022				Level: 95.28m AOD		Co-ords: E436584.53 N295401.98		Logged By JC	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	D ES		0.30	94.98		Grass over brown, slightly sandy, slightly gravelly SILT. Gravel is well rounded fine to coarse flint. Roots and rootlets. TOPSOIL		
	0.50	D ES		0.70	94.58		Brown, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets		
	1.00	D ES					Reddish brown and grey mottled, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets.		
	1.50	D ES		1.50	93.78		End of Pit at 1.500m		
General Remarks: Roots encountered to depth. No groundwater encountered							Sample Type D: Disturbed B: Bulk J: Jar W: Water		
Groundwater Remarks:									

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR Tel: 01737 814221 Email: admin@soilslimited.co.uk			Trial Pit Log		Trial Pit No. SA2 Sheet 1 of 1	
Project Name: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Project No.: 20188		Method:		Hole Type TP
Location: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Support:		Plant: Colden Plant Hire		
Client: HORIBA MIRA Ltd				Trial Pit Length: m		Trial Pit Width: m		Scale 1:25
Dates: 24/05/2022			Level: 94.43m AOD		Co-ords: E436495.68 N295469.83			Logged By JC
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	D ES		0.30	94.13		Grass over brown, slightly sandy, slightly gravelly SILT. Gravel is well rounded fine to coarse flint. Roots and rootlets. TOPSOIL	
	0.50	D ES		0.66	93.77		Brown, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets	
	1.00	D ES					Reddish brown and grey mottled, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets.	
	1.50	D ES		1.50	92.93		End of Pit at 1.500m	
General Remarks: Roots encountered to depth. No groundwater encountered								Sample Type D: Disturbed B: Bulk J: Jar W: Water
Groundwater Remarks:								

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR Tel: 01737 814221 Email: admin@soilslimited.co.uk			Trial Pit Log		Trial Pit No. SA4 Sheet 1 of 1		
Project Name: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Project No.: 20188		Method:		Hole Type TP	
Location: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Support:		Scale 1:25		Logged By JC	
Client: HORIBA MIRA Ltd				Trial Pit Length: m		Trial Pit Width: m			
Dates: 24/05/2022			Level: 95.41m AOD		Co-ords: E436574.79 N295597.74				
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	D ES		0.30	95.11		Grass over brown, slightly sandy, slightly gravelly SILT. Gravel is well rounded fine to coarse flint. Roots and rootlets. TOPSOIL		
	0.50	D ES		0.70	94.71		Brown, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets		
	1.00	D ES		0.70	94.71		LAND DRAIN		
	1.50	D ES		1.50	93.91		Reddish brown and grey mottled, slightly gravelly CLAY. Gravel is well rounded fine to coarse flint. roots and rootlets.		
							End of Pit at 1.500m		
General Remarks: Roots encountered to depth. No groundwater encountered							Sample Type D: Disturbed B: Bulk J: Jar W: Water		
Groundwater Remarks:									

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR Tel: 01737 814221 Email: admin@soilslimited.co.uk			Trial Pit Log		Trial Pit No. SA6 Sheet 1 of 1		
Project Name: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Project No.: 20188		Method:		Hole Type	
Location: MIRA, Watling Street, Nuneaton, Leicestershire CV10 0TU				Support:		Colden Plant Hire		TP	
Client: HORIBA MIRA Ltd				Trial Pit Length: m		Trial Pit Width: m		Scale 1:25	
Dates: 25/05/2022				Level: 92.01m AOD		Co-ords: E436319.91 N295654.29		Logged By JC	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	D ES		0.35	91.66		Grass over brown, slightly sandy, slightly gravelly SILT. Gravel is well rounded fine to coarse flint. Roots and rootlets. TOPSOIL		
	0.50	D ES							
	0.70	D ES							
	1.00	D ES		1.50	90.51		End of Pit at 1.500m		
	1.50	D ES							
							1		
							2		
							3		
							4		
							5		
General Remarks: Roots encountered to depth. No groundwater encountered								Sample Type D: Disturbed B: Bulk J: Jar W: Water	
Groundwater Remarks:									

Appendix B.4 Photographic Logs – WS

Exploratory Hole Photographic Log

Hole No: WS1

Project: MIRA, Nuneaton

Project No: 20188

Location Coordinates: 436635.675, 295425.620

Termination Depth: 2.50m

Method: Windowless sampler



Exploratory Hole Photographic Log

Hole No: WS2

Project: MIRA, Nuneaton

Project No: 20188

Location Coordinates: 436664.278, 295451.516

Termination Depth: 3.50m

Method: Windowless sampler



Exploratory Hole Photographic Log

Hole No: WS3

Project: MIRA, Nuneaton

Project No: 20188

Location Coordinates: 436522.955, 295495.526

Termination Depth: 3.0m

Method: Windowless sampler



Exploratory Hole Photographic Log

Hole No: WS4

Project: MIRA, Nuneaton

Project No: 20188

Location Coordinates: 436556.974, 295536.739

Termination Depth: 2.90m

Method: Windowless sampler



Exploratory Hole Photographic Log

Hole No: WS5

Project: MIRA, Nuneaton

Project No: 20188

Location Coordinates: 436553.318, 295654.720

Termination Depth: 2.90m

Method: Windowless sampler



Exploratory Hole Photographic Log

Hole No: WS6

Project: MIRA, Nuneaton

Project No: 20188

Location Coordinates: 436580.858, 295680.839

Termination Depth: 4.0m

Method: Windowless sampler



Appendix B.5 Photographic Logs – TP

Trial Pit Photographic Log

Hole No: SA1	Project: MIRA, Nuneaton Project No: 20188 Date of Excavation: 24/05/22 Location Coordinates: 436584.531, 295401.981 Termination Depth: 1.50m Method: Machine excavation
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Trial Pit Photographic Log

Hole No: SA2	Project: MIRA, Nuneaton Project No: 20188 Date of Excavation: 24/05/22 Location Coordinates: 436495.680, 295469.828 Termination Depth: 1.50m Method: Machine excavation
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Trial Pit Photographic Log

Hole No: SA4	Project: MIRA, Nuneaton Project No: 20188 Date of Excavation: 24/05/22 Location Coordinates: 436574.788, 295597.740 Termination Depth: 1.50m Method: Machine excavation
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Trial Pit Photographic Log

Hole No: SA6	Project: MIRA, Nuneaton Project No: 20188 Date of Excavation: 25/05/22 Location Coordinates: 436319.909, 295654.294 Termination Depth: 1.50m Method: Machine excavation
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Trial Pit Photographic Log

Hole No: TP1	Project: MIRA, Nuneaton Project No: 20188 Date of Excavation: 08/06/22 Location Coordinates: 436473.387, 295434.195 Termination Depth: 1.34m Method: Vacuum excavation
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Trial Pit Photographic Log

Hole No: TP2	Project: MIRA, Nuneaton Project No: 20188 Date of Excavation: 08/06/2022 Location Coordinates: 436348.901, 295534.995 Termination Depth: 1.70m Method: Vacuum excavation
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Trial Pit Photographic Log

Hole No: TP3A

Project: MIRA, Nuneaton

Project No: 20188

Date of Excavation: 08/06/22

Location Coordinates: 436285.999, 295586.092

Termination Depth: 1.45m

Method: Vacuum excavation



Appendix B.6 Photographic Logs – RC

Pavement Core Photographic Log

Pavement Core Number: RCI	Project: MIRA, Nuneaton Project No: 20188 Date of Coring: 25/05/22 Location Coordinates: 436702.632, 295339.756 Diameter: 150mm
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Layer No.	Depth (m)		Thickness (mm)	Material Description
	From	To		
1	0.000	0.110	110	Asphalt
2	0.110	0.370	150	Concrete



Pavement Core Photographic Log

Pavement Core Number: RC2	Project: MIRA, Nuneaton Project No: 20188 Date of Coring: 25/05/22 Location Coordinates: 436744.760, 295396.415 Diameter: 150mm
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Layer No.	Depth (m)		Thickness (mm)	Material Description
	From	To		
I	0.000	0.130	130	Asphalt



Pavement Core Photographic Log

Pavement Core Number: RC3	Project: MIRA, Nuneaton Project No: 20188 Date of Coring: 25/05/22 Location Coordinates: 436769.953, 295405.683 Diameter: 150mm
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Layer No.	Depth (m)		Thickness (mm)	Material Description
	From	To		
I	0.000	0.140	140	Asphalt



Pavement Core Photographic Log

Pavement Core Number: RC4	Project: MIRA, Nuneaton Project No: 20188 Date of Coring: 25/05/22 Location Coordinates: 436643.316, 295525.746 Diameter: 150mm
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Layer No.	Depth (m)		Thickness (mm)	Material Description
	From	To		
I	0.000	0.160	160	Concrete



Appendix B.7 Site Location Plan