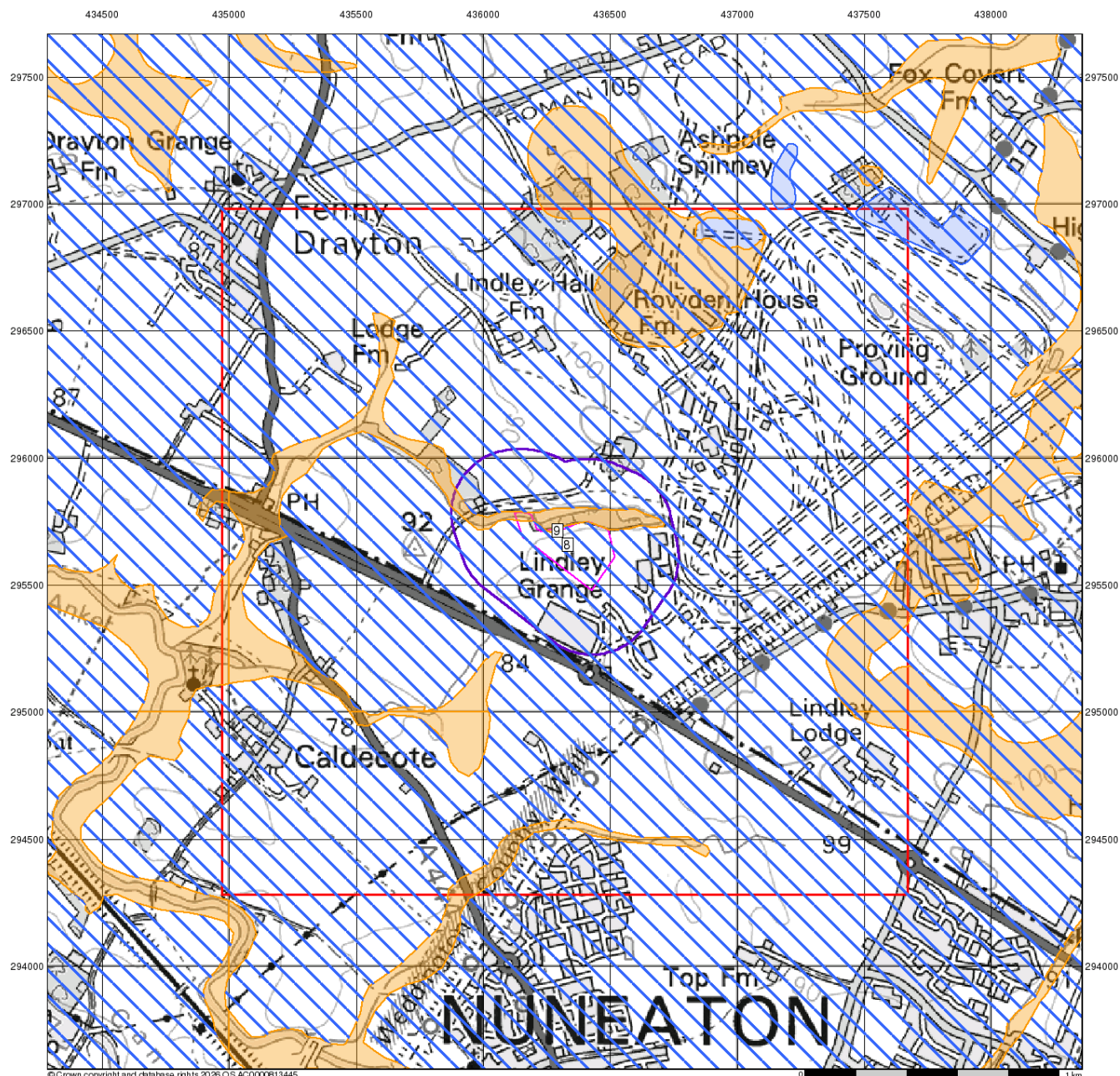




GeoDyne

Ground Stability Data (1:50,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Potential for Compressible Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Collapsible Ground Stability Hazards

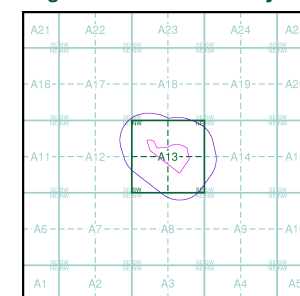
- High
- Low
- Moderate
- Very Low

Brine Pumping and Salt Mining

- Brine Pumping Related Feature
- Salt Mining Related Feature

- Point
- Polygon

Mining and Ground Stability - Slice A



Order Details

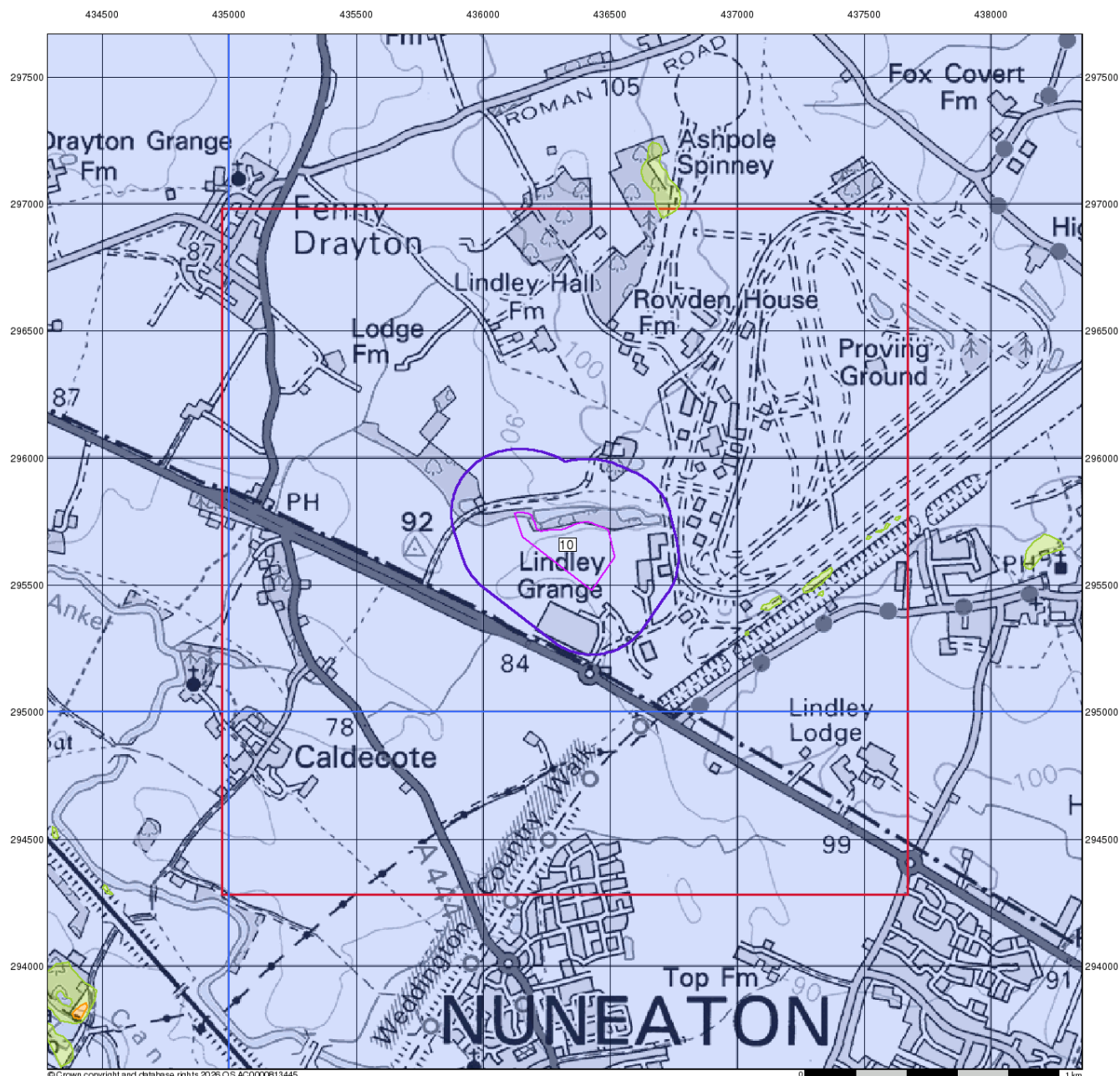
- Order Number: 395562251_1_1
- Customer Ref: 45296
- National Grid Reference: 436330, 295660
- Slice: A
- Site Area (Ha): 5.9
- Search Buffer (m): 250

Site Details

Mira North - Plot 8

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.ernirocheck.co.uk



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GeoDyne

Ground Stability Data (1:50,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

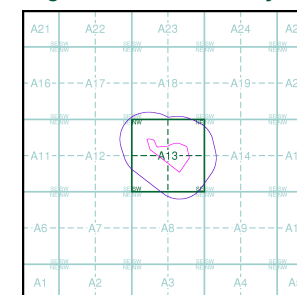
Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

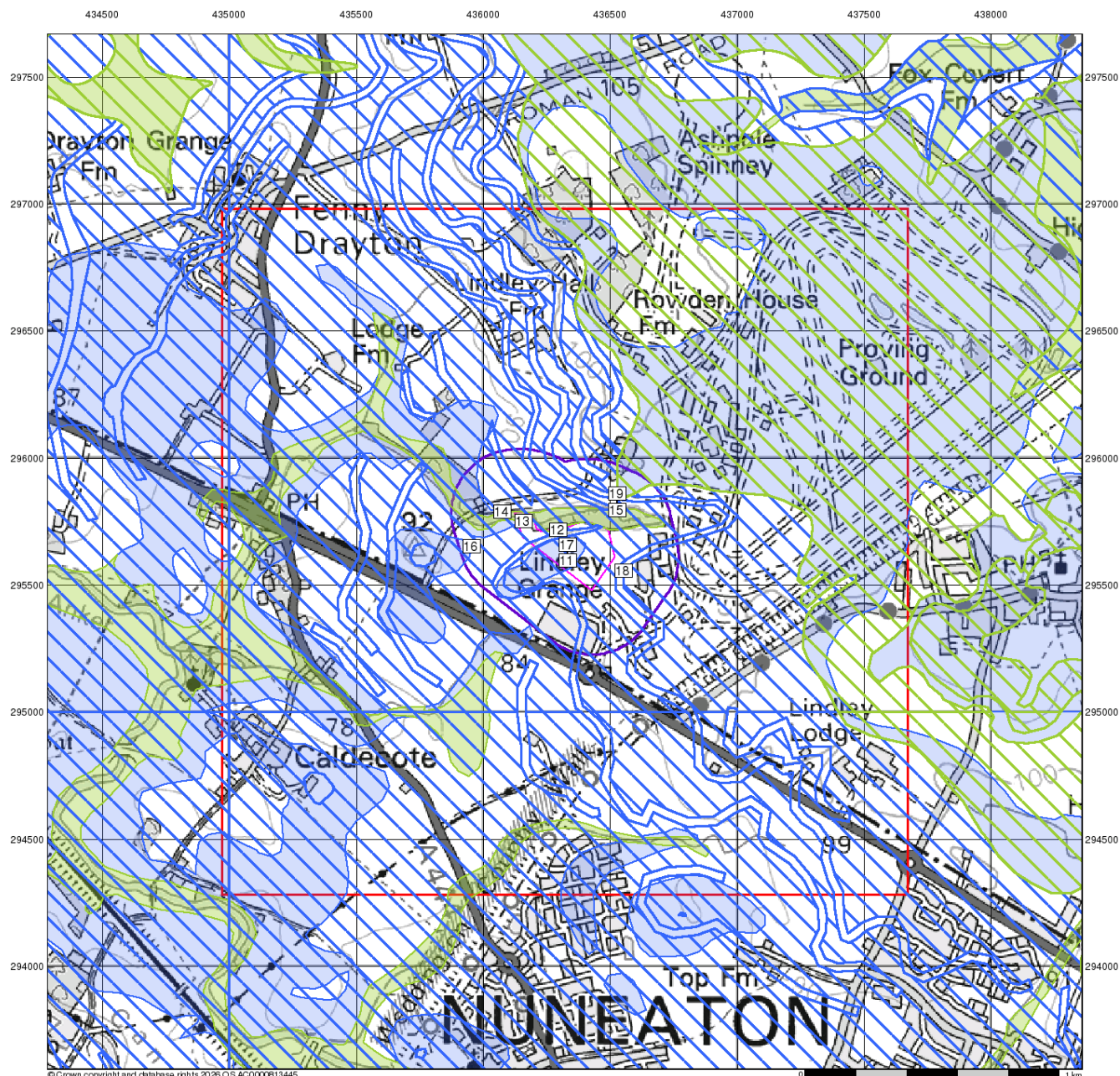
Order Number: 395562251_1_1
 Customer Ref: 45296
 National Grid Reference: 436330, 295660
 Slice: A
 Site Area (Ha): 5.9
 Search Buffer (m): 250

Site Details

Mira North - Plot 8

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.ernirocheck.co.uk



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GeoDyne

Ground Stability Data (1:50,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

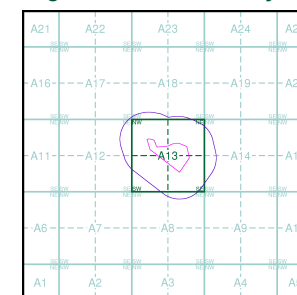
Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

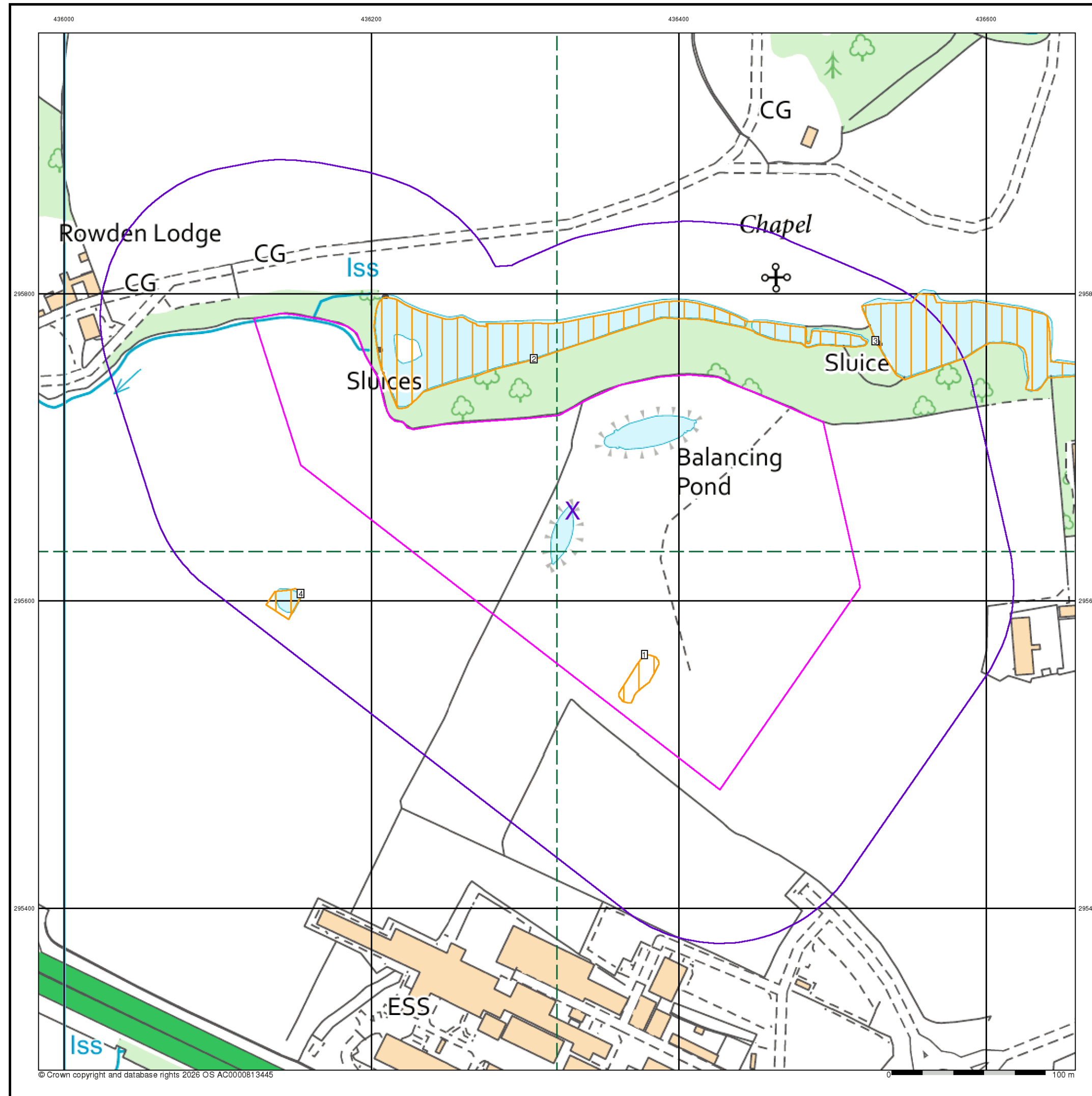
Order Number: 395562251_1_1
 Customer Ref: 45296
 National Grid Reference: 436330, 295660
 Slice: A
 Site Area (Ha): 5.9
 Search Buffer (m): 250

Site Details

Mira North - Plot 8

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.ernirocheck.co.uk



GeoDyne

Historical Land Use Information (1:2,500)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

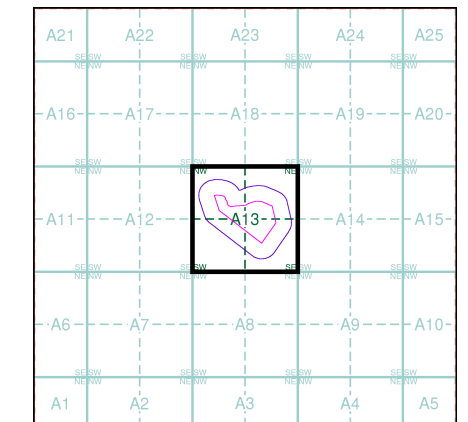
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A13



Order Details

Order Number: 395562251_1_1
Customer Ref: 45296
National Grid Reference: 436330, 295660
Slice: A
Site Area (Ha): 5.9
Plot Buffer (m): 100

Site Details

Mira North - Plot 8

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Appendix VIII

UXO Pre Desk Study Assessment

PA026468 — MIRA NORTH - PLOT 8

DOCUMENT DETAILS

Site name:	Mira North - Plot 8		
Reference:	PA026468	Client:	Geodyne
Date:	5 th March 2026	Contact:	Richard Spenser

RECOMMENDATION

A detailed desk study is recommended to assess, and potentially zone, the Unexploded Ordnance (UXO) hazard level on the Site.

SUMMARY OF FINDINGS

Military Activity	In 1943, Royal Air Force (RAF) Nuneaton was established in close proximity to the Site. It was a RAF Training Command airfield. 1No. miniature rifle range was located in the immediate vicinity of the Site. In 1946, RAF Nuneaton closed. Since 1948, the former airfield has been used by the Motor Industry Research Association (MIRA).
WWI Bombing	Potential targets within approximately 5km of the Site: ▪ Transport infrastructure and public utilities. ▪ Metal works. No readily available records have been found indicating that the Site was bombed.
WWII Bombing	The Site was located in Market Bosworth Rural District (RD), which officially recorded 161No. High Explosive (HE) bombs, with a density of 2.5 bombs per 405 hectares (ha). Potential targets within approximately 5km of the Site: ▪ Transport infrastructure and public utilities. ▪ Metal works. ▪ RAF Nuneaton. ▪ Military establishments. ▪ Anti-Aircraft (AA) and anti-invasion defences. No readily available records have been found indicating that the Site was bombed.
Bombing Decoys	1No. located approximately 4.8km northeast of the Site.

FURTHER INFORMATION

These findings are based on a cursory review of readily available records; caution is advised if you plan to action work based on this PDSA.

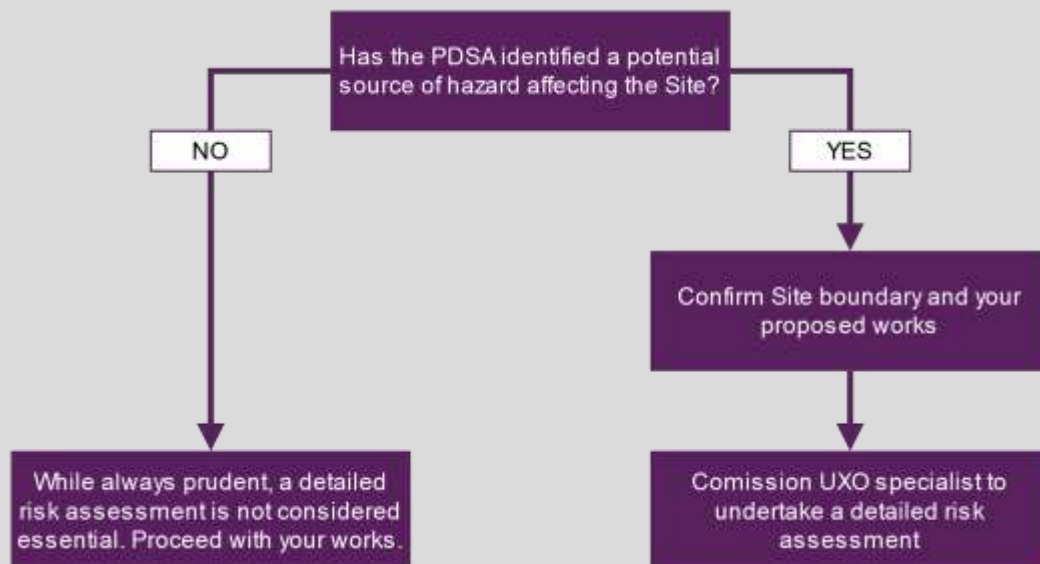
Where a potentially significant UXO hazard source has been identified on the Site, no further research has been undertaken. A detailed UXO desk study and risk assessment may identify other potential UXO hazard sources on the Site.

Visit www.zeticauxo.com to learn more about Zetica's detailed UXO desk studies and other UXO services. Click [here](#) for more information about the most common UXO hazard sources in the UK.

If you have any further queries, please don't hesitate to contact us at uxo@zetica.com or 01993 886 682.

NEXT STEPS

Follow the steps below to determine the appropriate course of action:



Potential UXO hazard identified? If the PDSA has identified a potential source of UXO hazard affecting your site, then a detailed UXO risk assessment is recommended.

No obvious source of UXO hazard? If the PDSA has not identified any obvious source of potential UXO, works can proceed.

It is good practice to raise awareness of the background UXO risk in the UK as part of a standard site induction. This will ensure that appropriate action is taken in the unlikely event that UXO is discovered.

Don't skip a stage: If you skip the detailed risk assessment stage, you could end up undertaking unnecessary work (e.g. trying to detect a UXO hazard that has already been removed).

Similarly, a detailed risk assessment might find that the UXO hazard is worse than expected and has a greater potential to cause harm, requiring a different mitigation approach than would otherwise be undertaken.

Appendix IX
Exploratory Hole Logs



Key to exploratory hole symbols and abbreviations

SAMPLE TYPES

ACM - Asbestos sample
BLK - Block sample
D - Disturbed sample
G - Gas sample
TW - Pushed thin wall sample
W - Water sample

AMAL - Amalgamated sample
C - Core sample
ES - Environmental sample
J - Jar sample
U - Undisturbed sample
T - Tub sample

B - Bulk disturbed sample
CBR - CBR test sample
EW - Environmental water sample
L - Liner sample
UT - Undisturbed thin wall sample
JT - Jar and Tub sample

IN-SITU TESTS

HV - Hand shear vane
PP - Hand penetrometer

HV(r) - Hand shear vane residual
SPT - Standard penetration test

PID - Photo ionisation detector
SPT(C) - SPT using cone

GROUNDWATER



Groundwater strike



Groundwater rest level

ROTARY CORE DETAILS

TCR - Total core recovery (%)
FI - Fracture index

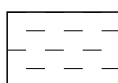
SCR - Solid core recovery (%)
NI - Non-intact core

RQD - Rock quality designation (%)
AZCL - Assumed zone of core loss

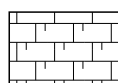
LEGEND



Topsoil



Clay



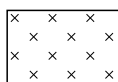
Chalk



Sand backfill



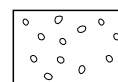
Peat



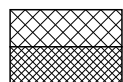
Silt



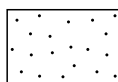
Breccia



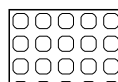
Gravel backfill



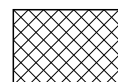
Made ground
[cohesive]



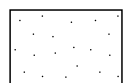
Sand



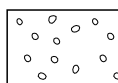
Conglomerate



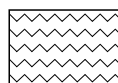
Arisings



Concrete



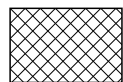
Gravel



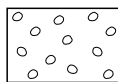
Metamorphic



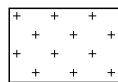
Bentonite



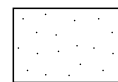
Wood



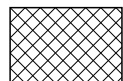
Cobbles



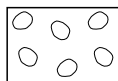
Igneous



Concrete



Brick



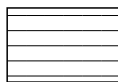
Boulders



Grout



Bituminous
material



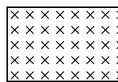
Mudstone



Plain pipe



Gypsum



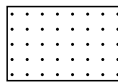
Siltstone



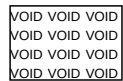
Slotted pipe



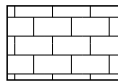
Coal



Sandstone



Void



Limestone

		Window Sampler WS1 Sheet 1 of 1						
		Hole Type WS	Easting 436367.76	Northing 295678.87	Ground Level (m) 92.44	Scale 1:50		
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30			
Client BCAL Consulting		Consultant		Contractor RP Drilling				
Inst/ Backfill	Water Levels	Samples and Tests		Level	Depth (thickness)	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description
					92.29	(0.15) 0.15	 Topsoil [TOPSOIL]	
		0.70-0.80	E1				 Firm to stiff red-brown gravelly CLAY. Gravel is predominantly angular to subangular fine to coarse mudstone and siltstone [MERCIA MUDSTONE]	0.5
		1.00 1.00	SPT(C) HV	N=18 (3,2/3,4,5,6) IN-SITU - 84kN/m2		(1.25)		1.0
		1.60-1.75	E2		91.04	1.40		1.5
						(0.60)	Highly weathered red-brown extremely weak MUDSTONE. Recovered as slightly clayey angular to subangular fine to coarse gravel [MERCIA MUDSTONE]	
		2.00	SPT(C)	N=50 for 290mm (6,10/12,13,13,12 for 65mm)	90.44	2.00		2.0
							End of Borehole at 2.00m	
								2.5
								3.0
								3.5
								4.0
								4.5
								5.0
								5.5
								6.0
								6.5
								7.0
								7.5
								8.0
								8.5
								9.0
								9.5
								10.0
Remarks 1.Sides of window sample stable. 2.No water encountered. 3.Window sample terminated at 2.00m due to SPT refusal. 4.Window sample backfilled with arisings upon completion. 5.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical						Method, Plant, Stability, Dimensions 0.00 - 2.00m Stable WS Competitor Rig		Logger DL25/01
Checked By: RS Approved By: RS								

		Window Sampler				WS2 Sheet 1 of 1				
		Hole Type WS	Easting 436389.39	Northing 295640.84	Ground Level (m) 94.05	Scale 1:50				
		Project Name Mira North Plot 8		Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant			Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata			
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description		
					93.98	(0.07) 0.07		Grass over dark brown silty slightly gravelly topsoil. Gravel is predominantly subangular to subrounded fine to medium sandstone, quartzite and rare mudstone [MADE GROUND]	0.5	
		0.80-0.90	E1		93.30	0.75		Stiff red-brown slightly gravelly clay. Gravel is predominantly subangular to subrounded fine to coarse mudstone and rare siltstone [POSSIBLE REWORKED NATURAL STRATA]	1.0	
		1.00	SPT(C)	N=15 (2,2/2,3,4,6)						
		1.00	HV	IN-SITU - 111kN/m2						
		1.40-1.60	E2		92.70	1.35		Stiff red-brown mottled green-grey gravelly CLAY. Gravel is predominantly angular to subangular fine to coarse mudstone and sandstone [MERCIA MUDSTONE]	1.5	
						(0.65)		...grading into mudstone (at 1.20m)	2.0	
		2.00	SPT(C)	N=50 for 275mm (6, 7/10,13,17,10 for 50mm)	92.05	2.00		Highly weathered red-brown extremely weak MUDSTONE. Recovered as angular to subangular medium to coarse gravel [MERCIA MUDSTONE]	2.5	
								End of Borehole at 2.00m		
									3.0	
									3.5	
									4.0	
									4.5	
									5.0	
									5.5	
									6.0	
									6.5	
									7.0	
									7.5	
									8.0	
									8.5	
									9.0	
									9.5	
									10.0	
Remarks 1.Sides of window sample stable. 2.No water encountered. 3.Window sample terminated at 2.00m due to SPT refusal. 4.Window sample backfilled with arisings upon completion. 5.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 2.00m Stable WS Competitor Rig		Logger DL25/01	
Checked By: RS Approved By: RS										

GeoDyne		Window Sampler				WS3				
		Sheet 1 of 1								
		Hole Type WS	Easting 436336.45	Northing 295632.33	Ground Level (m) 92.11	Scale 1:50				
Project Name Mira North Plot 8		Project No. 45296		Start Date 2026-03-30		End Date 2026-03-30				
Client BCAL Consulting				Consultant		Contractor RP Drilling				
Inst/ Backfill	Water Levels	Samples and Tests		Level (m)	Depth (m)	Strata				
		Depth (m)	Type/ Ref			Results	Legend	Description		
		0.30-0.40	E1	N=50 for 285mm (5,6/7,10,15,18 for 60mm)	92.03	(0.08) 0.08		Grass over dark brown slightly gravelly clayey TOPSOIL. Gravel is predominantly subangular to subrounded medium to coarse quartzite and rare mudstone [TOPSOIL]	0.5	
		0.90-1.00 1.00	E2 SPT(C)		91.38	0.73 (0.27)		Stiff to very stiff red-brown slightly gravelly CLAY. Gravel is predominantly subangular to angular fine to medium mudstone and rare siltstone [MERCIA MUDSTONE]	1.0	
					91.11	1.00		...becoming gravelly (with depth)	1.5	
								Extremely to highly weathered red-brown extremely weak MUDSTONE. Recovered as very clayey angular to subangular fine to coarse gravel [MERCIA MUDSTONE]	2.0	
								End of Borehole at 1.00m	2.5	
									3.0	
									3.5	
									4.0	
									4.5	
									5.0	
									5.5	
									6.0	
									6.5	
									7.0	
									7.5	
									8.0	
									8.5	
									9.0	
									9.5	
									10.0	
Remarks 1.Sides of window sample stable. 2.No water encountered. 3.Window sample terminated at 1.00m due to SPT refusal. 4.Window sample backfilled with arisings upon completion. 5.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical						Method, Plant, Stability, Dimensions 0.00 - 1.00m Stable		WS Competitor Rig		Logger DL25/01
						Checked By: RS Approved By: RS				

		Window Sampler				WS4 Sheet 1 of 1			
		Hole Type WS	Easting 436405.16	Northing 295578.84	Ground Level (m) 94.24	Scale 1:50			
		Project Name Mira North Plot 8		Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30			
Client BCAL Consulting		Consultant			Contractor RP Drilling				
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
		0.80-0.90	E1			(1.00)		Moss over firm to stiff red-brown mottled grey-green slightly gravelly clay. Gravel is predominantly subangular to angular fine to coarse mudstone and siltstone and very rare organic material [MADE GROUND]	0.5
		1.00	SPT(C)	N=24 (2,3/5,6,6,7)	93.24	1.00		Stiff red-brown very gravelly CLAY. Gravel is predominantly subangular to angular fine to medium mudstone and siltstone [MERCIA MUDSTONE]	1.0
		1.00	HV	IN-SITU - 89kN/m2	92.99	(0.25)			1.5
			1.70-1.90	E2			(0.75)		Highly weathered red-brown extremely weak MUDSTONE. Recovered as angular to subangular medium to coarse gravel of mudstone and sandstone [MERCIA MUDSTONE]
		2.00	SPT(C)	N=50 for 225mm (10,11/14,17,19)	92.24	2.00			2.5
								End of Borehole at 2.00m	3.0
									3.5
									4.0
									4.5
									5.0
									5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0
Remarks 1.Sides of window sample stable. 2.No water encountered. 3.Window sample terminated at 2.00m due to SPT refusal. 4.Window sample backfilled with arisings upon completion. 5.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 2.00m Stable WS Competitor Rig		Logger DL25/01
Checked By: RS Approved By: RS									

GeoDyne		Window Sampler				WS5											
		Sheet 1 of 1															
		Hole Type WS	Easting 436407.02	Northing 295613.23	Ground Level (m) 94.10	Scale 1:50											
Project Name Mira North Plot 8		Project No. 45296		Start Date 2026-03-30		End Date 2026-03-30											
Client BCAL Consulting				Consultant		Contractor RP Drilling											
Inst/ Backfill	Water Levels	Samples and Tests		Level (m)	Depth (m)	Strata											
		Depth (m)	Type/ Ref			Results	Legend		Description								
		0.70-0.80	E1	N=11 (3,2/2,3,3,3) IN-SITU - 94kN/m2	93.90	0.20		Grass over dark brown slightly clayey slightly gravelly silty TOPSOIL. Gravel is predominantly subangular to subrounded fine to medium mudstone and siltstone [TOPSOIL]	0.5								
		1.00	SPT(C)		93.47	0.63		Stiff to very stiff red-brown mottled grey-green gravelly CLAY. Gravel is predominantly subangular to angular fine to medium mudstone and siltstone [MERCIA MUDSTONE]	1.0								
		1.00	HV		93.15	0.95		Highly weathered green-grey very weak SANDSTONE. Recovered as angular to subangular medium to coarse gravel [MERCIA MUDSTONE]	1.5								
		1.20-1.40	E2					Highly weathered red-brown extremely weak MUDSTONE. Recovered as slightly clayey angular to subangular medium to coarse gravel [MERCIA MUDSTONE]	2.0								
		2.00	SPT(C)	N=42 (8,10/12,11,10,9)	(2.05)			...becoming gravelly (with depth)	2.5								
2.50-2.80	E3						3.0										
3.00	SPT(C)	N=50 for 125mm (20,5/24,26 for 50mm)	91.10	3.00		End of Borehole at 3.00m	3.5										

Remarks

1.Sides of window sample stable.
2.No water encountered.
3.Window sample terminated at 3.00m due to SPT refusal.
4.Window sample backfilled with arisings upon completion.
5.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical

Method, Plant, Stability, Dimensions

0.00 - 3.00m WS Competitor Rig Stable

Logger

DL25/01

Checked By: RS Approved By: RS

Created using Pebble Geo

GeoDyne		Window Sampler				WS6			
		Sheet 1 of 1							
		Hole Type WS	Easting 436316.48	Northing 295700.14	Ground Level (m) 90.82	Scale 1:50			
Project Name Mira North Plot 8		Project No. 45296		Start Date 2026-03-30		End Date 2026-03-30			
Client BCAL Consulting				Consultant		Contractor RP Drilling			
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
					90.47	(0.35) 0.35		Grass over dark brown slightly gravelly slightly clayey TOPSOIL. Gravel is predominantly subangular to subrounded fine to medium mudstone, brick, chert and very rare charcoal [TOPSOIL]	0.5
	1.00 1.00	SPT(C) HV	N=10 (2,2/2,2,2,4) IN-SITU - 124kN/m2					Stiff becoming very stiff with depth red-brown slightly gravelly CLAY. Gravel is predominantly subangular to angular fine to medium mudstone and very rare siltstone [MERCIA MUDSTONE]	1.0
	1.50-1.70	E1				(2.15)			1.5
	2.00	SPT(C)	N=24 (3,6/6,6,6,6)						2.0
	2.70-3.00	E2			88.32	2.50		Highly weathered red-brown extremely weak MUDSTONE. Recovered as angular to subrounded medium to coarse gravel [MERCIA MUDSTONE]	2.5
	3.00	SPT(C)	N=50 for 275mm (6,9/11,14,15,10 for 50mm)		87.82	3.00		End of Borehole at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0
									5.5
									6.0
									6.5
									7.0
									7.5
									8.0
									8.5
									9.0
									9.5
									10.0
Remarks							Method, Plant, Stability, Dimensions		Logger
1.Sides of window sample stable.							0.00 - 3.00m		WS Competitor Rig DL25/01
2.No water encountered.							Stable		
3.Window sample terminated at 3.00m due to SPT refusal.									
4.Window sample backfilled with arisings upon completion.									
5.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical									
Checked By: RS Approved By: RS									

GeoDyne		Trial Pit TP1 Sheet 1 of 1							
		Hole Type TP	Easting 436407.42	Northing 295592.05	Ground Level (m) 95.10	Scale 1:25			
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
		0.40	J1T1			(0.70)		Firm brown mottled red-brown laterally containing topsoil gravelly clay. Gravel is predominantly angular to subrounded fine to coarse quartzite, brick, wood and limestone with occasional limestone cobbles [MADE GROUND]	0.5
		0.80	J2T2, SB1		94.40	0.70		Firm red-brown silty CLAY with bands of light grey silty gravel of siltstone and with frequent mudstone lithrelics [MERCIA MUDSTONE]	1.0
		0.80	SB1			(1.20)			1.5
		2.00	SB2		93.20	1.90		Extremely weak to very weak red-brown destructured MUDSTONE. Recovered as gravel in a silty clay matrix [MERCIA MUDSTONE]	2.0
								...with cobbles (below 2.20m)	
						(1.10)		...with bands of light grey weak destructured siltstone. Recovered as silty gravel and cobbles (between 2.50m to 2.75m)	2.5
								...becoming weak to moderately weak (below 2.75m)	
		3.00	T3		92.10	3.00		End of Trial Pit at 3.00m	3.0
									3.5
									4.0
									4.5
									5.0
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 3.00m Stable TP JCB 3CX		Logger TPA25/03
Checked By: RS Approved By: RS									



TP2
Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	436428.91	295651.85	93.46	1:25
Project Name		Project No.	Start Date	End Date
Mira North Plot 8		45296	2026-03-30	2026-03-30

Client
BCAL Consulting

Consultant

Contractor
RP Drilling

Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical	Method, Plant, Stability, Dimensions 0.00 - 3.00m TP JCB 3CX Stable	Logger TPA25/03
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Checked By: RS Approved By: RS

GeoDyne		Trial Pit TP3 Sheet 1 of 1								
		Hole Type TP	Easting 436374.41	Northing 295552.48	Ground Level (m) 92.39	Scale 1:25				
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30					
Client BCAL Consulting		Consultant		Contractor RP Drilling						
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata			
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description		
		0.30	J1T1			(0.55)		Dark brown clayey topsoil with occasional roots and rare cobbles of brick and plastic fragments [MADE GROUND/TOPSOIL]		
		0.70	HV	IN-SITU - 104, 120, 108kN/m2	91.84	0.55		Firm red-brown silty clay with rare mudstone lithorelics and roots and quartzite gravel [POSSIBLE REWORKED NATURAL STRATA]	0.5	
		1.00	HV	IN-SITU - 88, 88, 108kN/m2					1.0	
		1.00	J2T2			(1.25)				
		1.40	HV	IN-SITU - 60, 60, 60kN/m2				...with pocket of water (below 1.40m)	1.5	
		1.70	HV	IN-SITU - 55, 66, 62kN/m2						
		2.00	J3T3, SB1		90.59	1.80		Stiff to very stiff red-brown and orange-brown silty CLAY with frequent mudstone lithorelics [MERCIA MUDSTONE]	2.0	
		2.00	SB1			(0.40)		...with slow water seepage (at 1.80m)		
					90.19	2.20		Extremely weak to very weak red-brown destructured MUDSTONE. Recovered as gravel in a silty clay matrix [MERCIA MUDSTONE]	2.5	
						(0.80)		...becoming weak to moderately weak and blocky (below 2.40m)		
					89.39	3.00		End of Trial Pit at 3.00m	3.0	
									3.5	
									4.0	
									4.5	
									5.0	
Remarks 1.Sides stable. 2.Water encountered as seepage at 1.40m and 1.80m. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical								Method, Plant, Stability, Dimensions 0.00 - 3.00m TP JCB 3CX Stable		Logger TPA25/03
Checked By: RS Approved By: RS										

GeoDyne		Trial Pit TP4 Sheet 1 of 1							
		Hole Type TP	Easting 436189.18	Northing 295715.94	Ground Level (m) 87.82	Scale 1:25			
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests		Level	Depth (thickness)	Strata			
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
		0.50	J1T1, SB1 SB1		87.62	(0.20) 0.20		Dark brown clayey slightly gravelly TOPSOIL [TOPSOIL]	
		0.50						Firm orange-brown mottled yellow-brown slightly sandy CLAY with rare gravel of quartzite and coal [ANKER SAND AND GRAVEL]	0.5
						(1.25)		...becoming slightly gravelly (below 0.70m)	1.0
		1.50	HV	IN-SITU - 94, 110, 86kN/m2	86.37 86.32	1.45 (0.05) 1.50		...with cobbles of limestone (at 1.40m)	1.5
								Firm red-brown mottled light grey silty CLAY with rare mudstone lithorelics [MERCIA MUDSTONE]	
								End of Trial Pit at 1.50m	2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit terminated at 1.50m to enable soakaway testing. 4.Trial pit backfilled with arisings upon completion. 5.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical						Method, Plant, Stability, Dimensions 0.00 - 1.50m TP JCB 3CX Stable		Logger TPA25/03	
Checked By: RS Approved By: RS									

GeoDyne		Trial Pit TP5 Sheet 1 of 1							
		Hole Type TP	Easting 436256.33	Northing 295674.79	Ground Level (m) 91.00	Scale 1:25			
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata		
		Depth (m)	Type/Ref	Results	(m)	(m)	Legend	Description	
		0.10	J1T1			(0.20)		Dark brown clayey slightly gravelly TOPSOIL [TOPSOIL]	
		0.40	J2T2			0.20		Firm orange-brown and yellow-brown slightly sandy slightly gravelly CLAY with clayey gravelly fine to coarse grained sand pockets [ANKER SAND AND GRAVEL]	
		0.50	SB1			(0.50)			0.5
						0.70 (0.10)		Stiff red-brown slightly silty CLAY with rare mudstone lithorelics [MERCIA MUDSTONE]	
						0.80		End of Trial Pit at 0.80m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit terminated at 0.80m to enable soakaway testing. 4.Trial pit backfilled with arisings upon completion. 5.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 0.80m TP JCB 3CX Stable		Logger TPA25/03
Checked By: RS Approved By: RS									

GeoDyne		Trial Pit TP6 Sheet 1 of 1									
		Hole Type TP	Easting 436283.88	Northing 295639.69	Ground Level (m) 91.79	Scale 1:25					
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30						
Client BCAL Consulting		Consultant		Contractor RP Drilling							
Inst/ Backfill	Water Levels	Samples and Tests Depth (m) Type/Ref Results		Level (m)	Depth (m) Legend Description						
		0.40	HV	IN-SITU - 104, 102, 114kN/m2	91.49	0.30	Dark brown clayey slightly gravelly TOPSOIL [TOPSOIL]				
		0.80	HV	IN-SITU - 110, 120, 102kN/m2		0.30	Stiff red-brown slightly silty CLAY [MERCIA MUDSTONE]	0.5			
		1.00	SB1	IN-SITU - 90, 102, 116kN/m2		(1.70)	...with band of light grey silty gravel of siltstone (below 1.20m)	1.0			
		1.20	HV							1.5	
		2.80	T1			(1.20)	Extremely weak to very weak red-brown destructured MUDSTONE. Recovered as gravel in a clay matrix, with occasional light grey gravel and cobbles of siltstone [MERCIA MUDSTONE]	2.0			
3.00	SB2								2.5		
					88.59	3.20	...becoming gravelly. Gravel is predominantly subangular to subrounded fine to coarse mudstone (below 1.50m)	3.0			
							...becoming weak to moderately weak and blocky (below 2.90m)	3.5			
							End of Trial Pit at 3.20m	4.0			
								4.5			
								5.0			
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical						Method, Plant, Stability, Dimensions 0.00 - 3.20m TP JCB 3CX Stable		Logger TPA25/03			
Checked By: RS Approved By: RS											

GeoDyne		Trial Pit				TP7		
						Sheet 1 of 1		
		Hole Type TP	Easting 436384.65	Northing 295675.13	Ground Level (m) 92.96	Scale 1:25		
Project Name Mira North Plot 8		Project No. 45296		Start Date 2026-03-30		End Date 2026-03-30		
Client BCAL Consulting			Consultant			Contractor RP Drilling		
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth	Strata	
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description
		0.50	SB1	IN-SITU - 124+, 120, 116kN/m2		(0.15)		Dark brown very clayey slightly gravelly TOPSOIL. Gravel is predominantly subrounded to rounded fine to coarse quartzite [TOPSOIL]
						92.81		
						0.15		
						(0.15)		
						92.66		
						0.30		
						Firm to stiff grey-brown slightly sandy slightly gravelly CLAY. Gravel is predominantly subrounded to rounded fine to coarse quartzite [ANKER SAND AND GRAVEL]		
						Firm to stiff red-brown slightly silty CLAY with rare mudstone lithorelics [MERCIA MUDSTONE]		
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		Trial Pit				CBR1 Sheet 1 of 1			
		Hole Type TP	Easting 436445.94	Northing 295689.56	Ground Level (m) 92.34	Scale 1:25			
		Project Name Mira North Plot 8		Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30			
Client BCAL Consulting		Consultant			Contractor RP Drilling				
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
						(0.20)		Dark brown clayey slightly gravelly TOPSOIL. Gravel is predominantly subrounded to rounded fine to coarse quartzite [TOPSOIL]	
						0.20			
						(0.30)		Firm to stiff red-brown and light grey silty gravelly CLAY. Gravel is predominantly subangular to angular fine to coarse siltstone [MERCIA MUDSTONE]	
		0.50	HV	IN-SITU - 70, 104, 100kN/m2	91.84	0.50			
		0.50	LB1					End of Trial Pit at 0.50m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 0.50m TP JCB 3CX Stable		Logger TPA25/03
Checked By: RS Approved By: RS									

GeoDyne		Trial Pit CBR3 Sheet 1 of 1							
		Hole Type TP	Easting 436420.03	Northing 295693.98	Ground Level (m) 92.20	Scale 1:25			
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
								Dark brown clayey slightly gravelly TOPSOIL. Gravel is predominantly subrounded to rounded fine to coarse quartzite [TOPSOIL]	
								Firm to stiff red-brown mottled light grey slightly silty CLAY with occasional siltstone gravel [MERCIA MUDSTONE]	
		0.50	HV	IN-SITU - 120, 84, 94kN/m2	91.95	0.25			0.5
		0.50	LB1		91.70	0.50		End of Trial Pit at 0.50m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 0.50m TP JCB 3CX Stable		Logger TPA25/03
Checked By: RS Approved By: RS									



Trial Pit

MOUND1

Sheet 1 of 1

Hole Type TP	Easting 436373.35	Northing 295609.06	Ground Level (m) 95.57	Scale 1:25
Project Name Mira North Plot 8		Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30

Client
BCAL Consulting

Consultant

Contractor
RP Drilling

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
								Dark brown clayey slightly gravelly TOPSOIL with roots. Gravel is predominantly subrounded to rounded fine to coarse quartzite [MADE GROUND TOPSOIL]	
					94.57	1.00		End of Trial Pit at 1.00m	

Remarks

- | | |
|---------|--|
| Remarks | <ol style="list-style-type: none"> 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical |
|---------|--|

Method, Plant, Stability, Dimensions

0.00 - 1.00m TP JCB 3CX
Stable

Logger

TPA25/03

Checked By: RS Approved By: RS

GeoDyne		Trial Pit MOUND2 Sheet 1 of 1							
		Hole Type TP	Easting 436375.38	Northing 295599.15	Ground Level (m) 95.69	Scale 1:25			
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
		0.00-1.00	J1T1			(1.00)		Dark brown clayey slightly gravelly topsoil with roots. Gravel is predominantly subrounded to rounded fine to coarse quartzite and with brick and wood fragments [MADE GROUND/TOPSOIL]	0.5
					94.69	1.00		End of Trial Pit at 1.00m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 1.00m TP JCB 3CX Stable		Logger TPA25/03
Checked By: RS Approved By: RS									

GeoDyne		Trial Pit MOUND3 Sheet 1 of 1							
		Hole Type TP	Easting 436356.91	Northing 295621.16	Ground Level (m) 94.24	Scale 1:25			
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests			Level	Depth (thickness)	Strata		
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
		0.00-1.00	J1T1					Dark brown clayey slightly gravelly topsoil with roots. Gravel is predominantly subrounded to rounded fine to coarse quartzite and with rare brick fragments [MADE GROUND/TOPSOIL]	0.5
					93.24	1.00		End of Trial Pit at 1.00m	1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 1.00m TP JCB 3CX Stable		Logger TPA25/03
Checked By: RS Approved By: RS									



Sheet 1 of 1

Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical	<table border="1"> <tr> <th data-bbox="983 1944 1225 1948">Method, Plant, Stability, Dimensions</th> <th data-bbox="1225 1944 1498 1948">Logger</th> </tr> <tr> <td data-bbox="983 1948 1225 1980"> 0.00 - 1.00m TP JCB 3CX Stable </td> <td data-bbox="1225 1948 1498 1980"> TPA25/03 </td> </tr> </table>	Method, Plant, Stability, Dimensions	Logger	0.00 - 1.00m TP JCB 3CX Stable	TPA25/03
Method, Plant, Stability, Dimensions	Logger				
0.00 - 1.00m TP JCB 3CX Stable	TPA25/03				
Checked By: RS Approved By: RS					

GeoDyne		Trial Pit MOUND5 Sheet 1 of 1							
		Hole Type TP	Easting 436385.46	Northing 295566.21	Ground Level (m) 95.69	Scale 1:25			
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests Depth (m) Type/Ref Results			Level (m)	Depth (m) (1.50)	Strata Legend Description		
					94.19	1.50	Dark brown clayey gravelly topsoil with roots locally mixed with red-brown and brown clay. Gravel is predominantly angular to subrounded fine to coarse quartzite, brick, concrete, plastic, wood, glass and with limestone cobbles fragments [MADE GROUND]	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	
End of Trial Pit at 1.50m									
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical							Method, Plant, Stability, Dimensions 0.00 - 1.50m Stable TP JCB 3CX		Logger TPA25/03
Checked By: RS Approved By: RS									



Sheet 1 of 1

GeoDyne		Trial Pit MOUND7 Sheet 1 of 1							
		Hole Type TP	Easting 436428.97	Northing 295579.70	Ground Level (m) 96.29	Scale 1:25			
		Project Name Mira North Plot 8	Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30				
Client BCAL Consulting		Consultant		Contractor RP Drilling					
Inst/ Backfill	Water Levels	Samples and Tests		Level	Depth (thickness)	Strata			
		Depth (m)	Type/ Ref	Results	(m)	(m)	Legend	Description	
		0.00-1.50	J1T1					Dark brown and red-brown gravelly clay. Gravel is predominantly angular to subrounded fine to coarse quartzite, concrete, brick and plastic with cobbles of brick and concrete with rare boulders of concrete [MADE GROUND]	
						(1.50)			0.5
									1.0
					94.79	1.50		End of Trial Pit at 1.50m	1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0
Remarks 1.Sides stable. 2.No water encountered. 3.Trial pit backfilled with arisings upon completion. 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical						Method, Plant, Stability, Dimensions 0.00 - 1.50m Stable TP JCB 3CX		Logger TPA25/03	
Checked By: RS Approved By: RS									



Sheet 1 of 1

Hole Type TP	Easting 436445.61	Northing 295617.44	Ground Level (m) 97.29	Scale 1:25
Project Name Mira North Plot 8		Project No. 45296	Start Date 2026-03-30	End Date 2026-03-30

Client BCAL Consulting	Consultant	Contractor RP Drilling
----------------------------------	-------------------	----------------------------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.00-2.80	J1T1					Red-brown gravelly clay. Gravel is predominantly subangular to subrounded fine to coarse mudstone, siltstone, quartzite, concrete, plastic, glass and tile [MADE GROUND]
						(2.80)		
					94.49	2.80		...becoming damp (below 2.50m) ...with lumps of potentially lime treated clay (below 2.60m) ...locally mixed with brown slightly organic clay (with depth) End of Trial Pit at 2.80m

Remarks

- 1.Sides collapsed below 1.50m.
- 2.No water encountered.
- 3.Trial pit backfilled to 2.20m with arisings upon completion.
- 4.GPS coordinates from Trimble manufacturer claimed accuracy +/- 0.3m horizontal, +/- 0.6m vertical

Method, Plant, Stability, Dimensions

0.00 - 2.80m TP JCB 3CX
unstable

Logger

TPA25/03

Checked By: RS Approved By: RS

Appendix X

Plates



Project No.	45296	Drawn By	ACH	 Nottingham 0115 962 0101 Derby 01332 290 798 info@geodyne.co.uk www.geodyne.co.uk
Client	MTP3 Limited	Checked By	RS	
		Approved By	RS	
Project	Mira North Plot 8	Scale	NTS	
		Date Drawn	01/04/2026	
Title	Views of Arisings from Exploratory Holes WS1 and WS2	Revision		45296/P1
		Figure No.		



Project No.	45296	Drawn By	ACH	 Nottingham 0115 962 0101 Derby 01332 290 798 info@geodyne.co.uk www.geodyne.co.uk
Client	MTP3 Limited	Checked By	RS	
		Approved By	RS	
Project	Mira North Plot 8	Scale	NTS	
		Date Drawn	01/04/2026	
Title	Views of Arisings from Exploratory Holes WS3 and WS4	Revision		
		Figure No.	45296/P2	



Project No.	45296	Drawn By	ACH	 Nottingham 0115 962 0101 Derby 01332 290 798 info@geodyne.co.uk www.geodyne.co.uk
Client	MTP3 Limited	Checked By	RS	
		Approved By	RS	
Project	Mira North Plot 8	Scale	NTS	
		Date Drawn	01/04/2026	
Title	Views of Arisings from Exploratory Holes WS5 and WS6	Revision		45296/P3
		Figure No.		



Project No.	45296	Drawn By	ACH	 Nottingham 0115 962 0101 Derby 01332 290 798 info@geodyne.co.uk www.geodyne.co.uk
Client	MTP3 Limited	Checked By	RS	
		Approved By	RS	
Project	Mira North Plot 8	Scale	NTS	
		Date Drawn	01/04/2026	
Title	Views of Exploratory Hole TP1 and Arisings	Revision		45296/P4
		Figure No.		



Project No.	45296	Drawn By	ACH	 Nottingham 0115 962 0101 Derby 01332 290 798 info@geodyne.co.uk www.geodyne.co.uk
Client	MTP3 Limited	Checked By	RS	
		Approved By	RS	
Project	Mira North Plot 8	Scale	NTS	
		Date Drawn	01/04/2026	
Title	Views of Exploratory Hole TP2 and Arisings	Revision		45296/P5
		Figure No.		