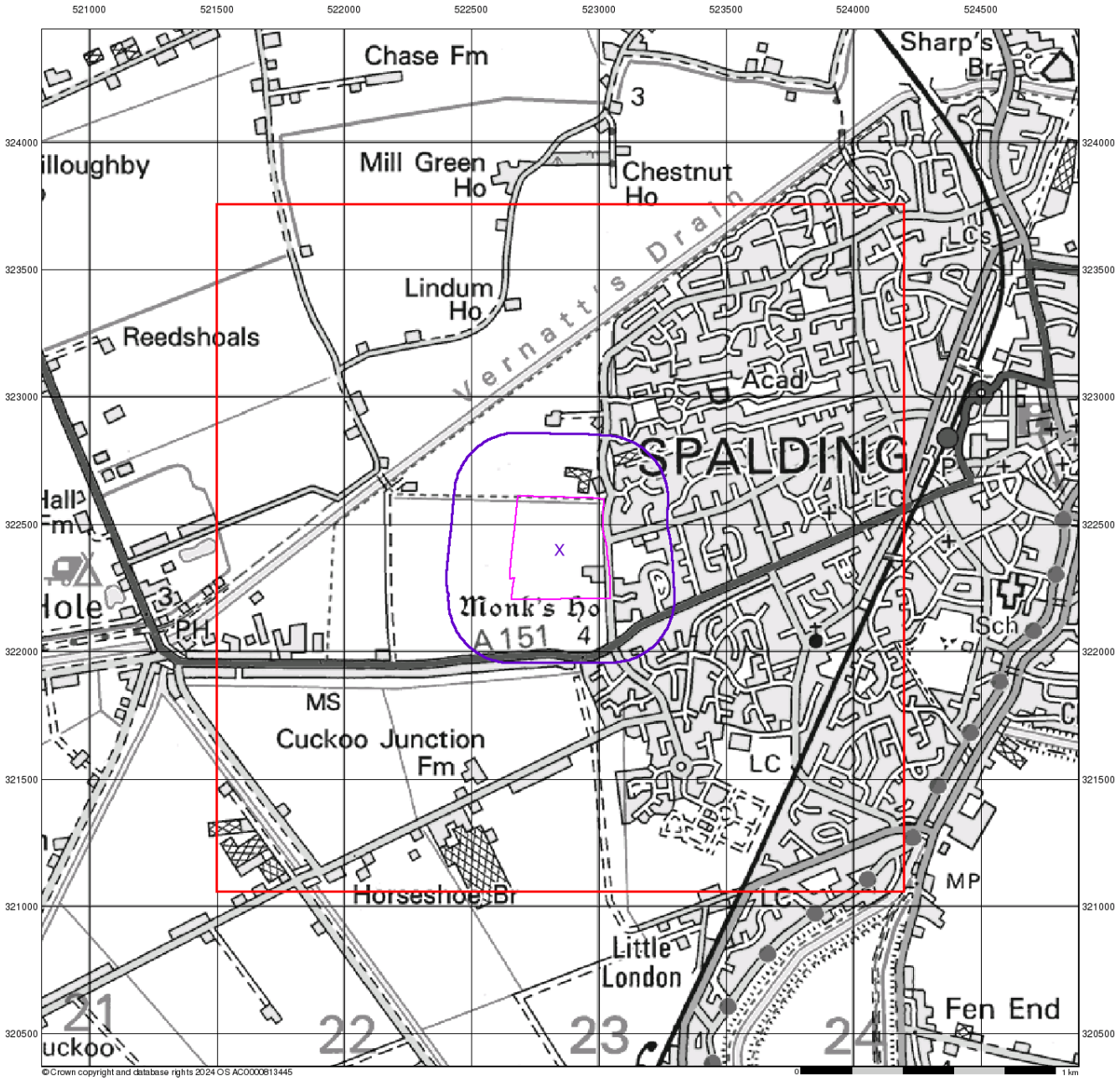


GeoDyne

Source Protection Zones

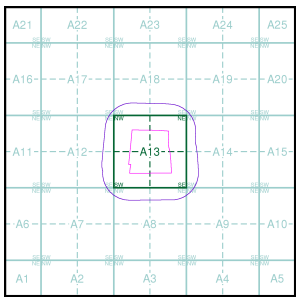
General

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

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



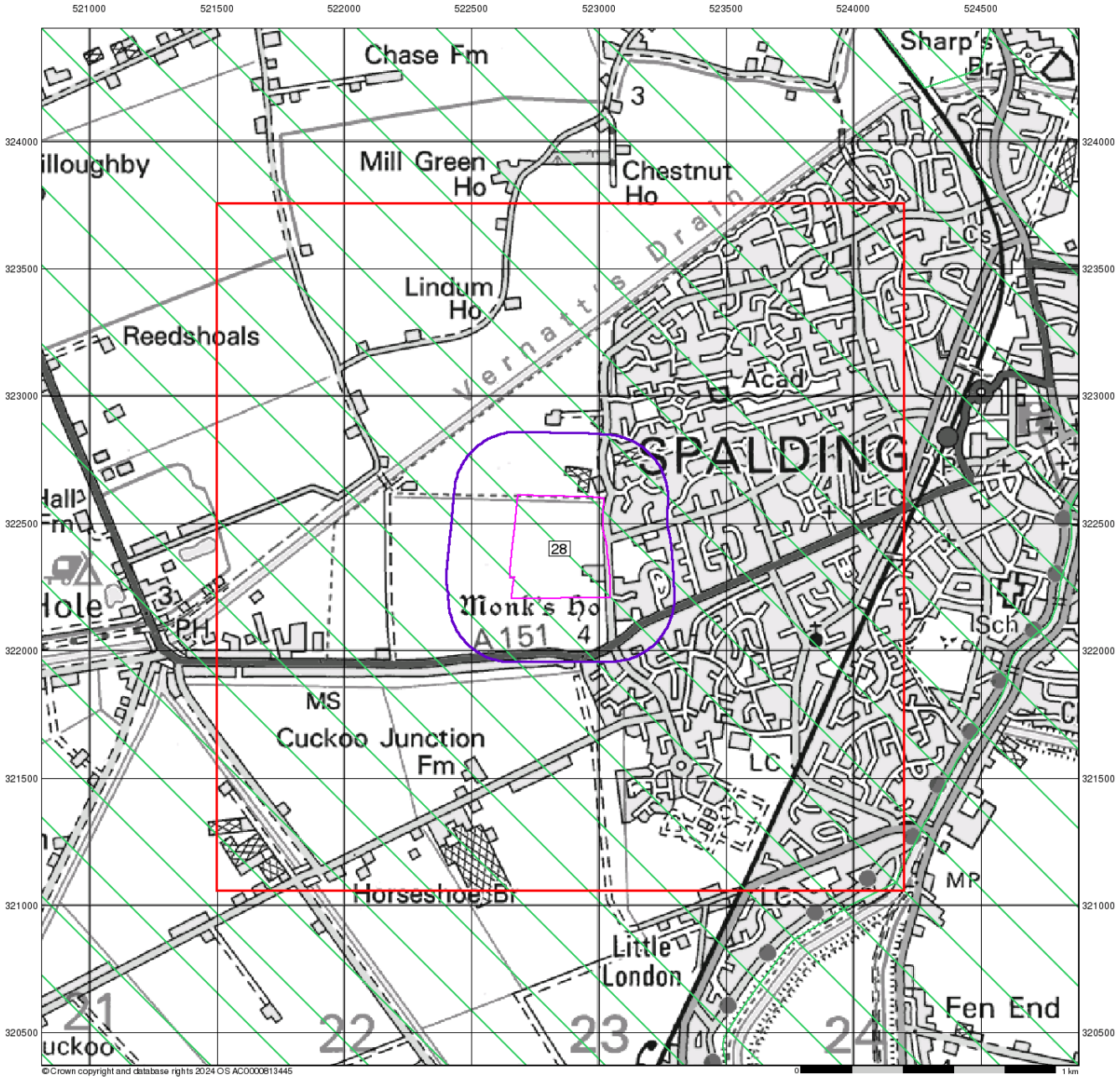
Order Details

Order Number:	365720650_1_1
Customer Ref:	D44118
National Grid Reference:	522850, 322400
Slice:	A
Site Area (Ha):	14.64
Search Buffer (m):	250

Site Details

Monks House Lane West, Spalding

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



GeoDyne

Sensitive Land Uses

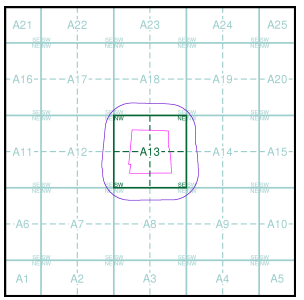
General

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

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	365720650_1_1
Customer Ref:	D44118
National Grid Reference:	522850, 322400
Slice:	A
Site Area (Ha):	14.64
Search Buffer (m):	250

Site Details

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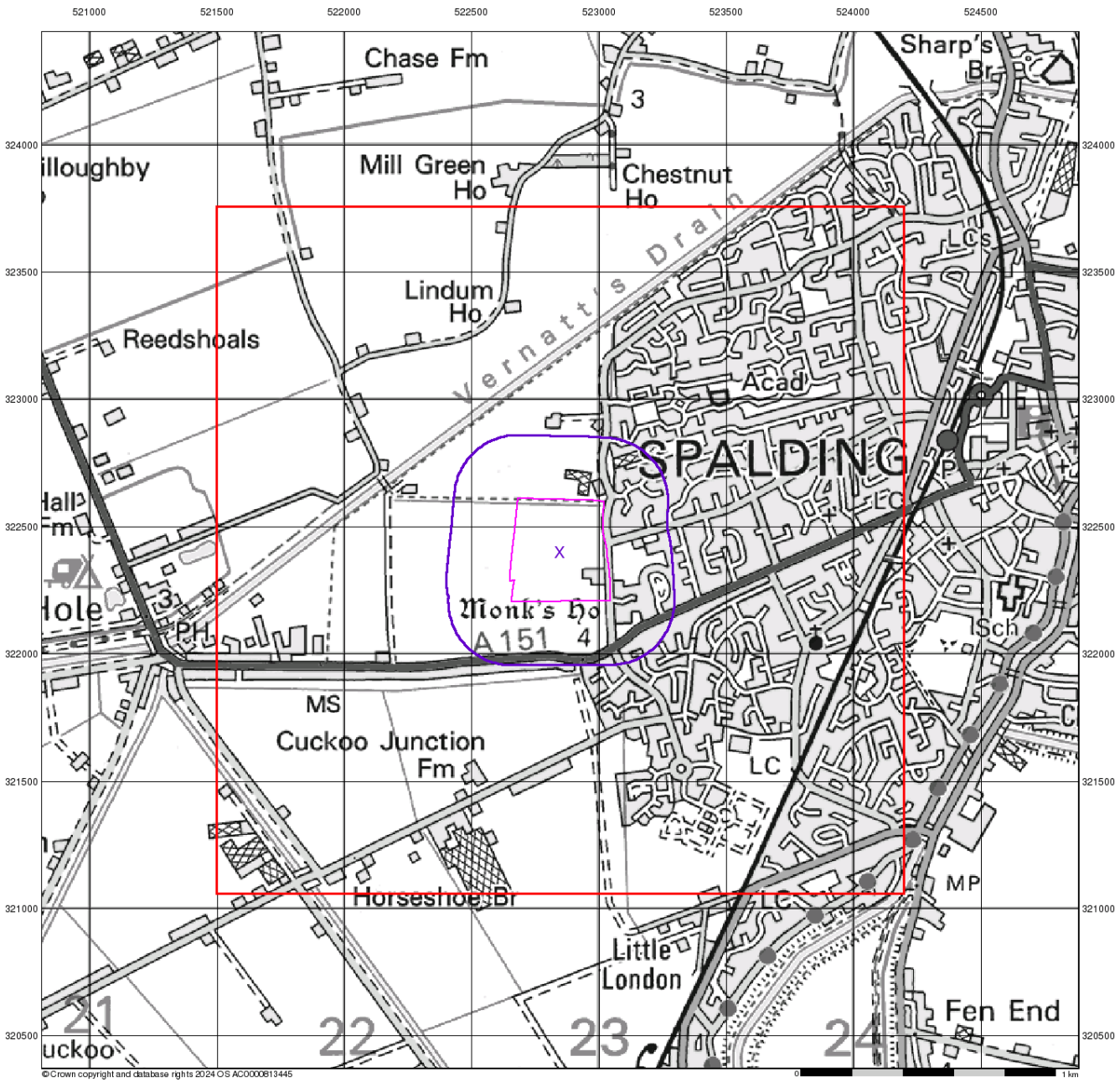


GeoDyne

BGS Flood GFS Data

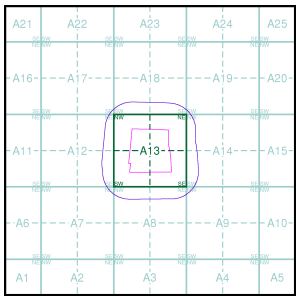
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	365720650_1_1
Customer Ref:	D44118
National Grid Reference:	522850, 322400
Slice:	A
Site Area (Ha):	14.64
Search Buffer (m):	250

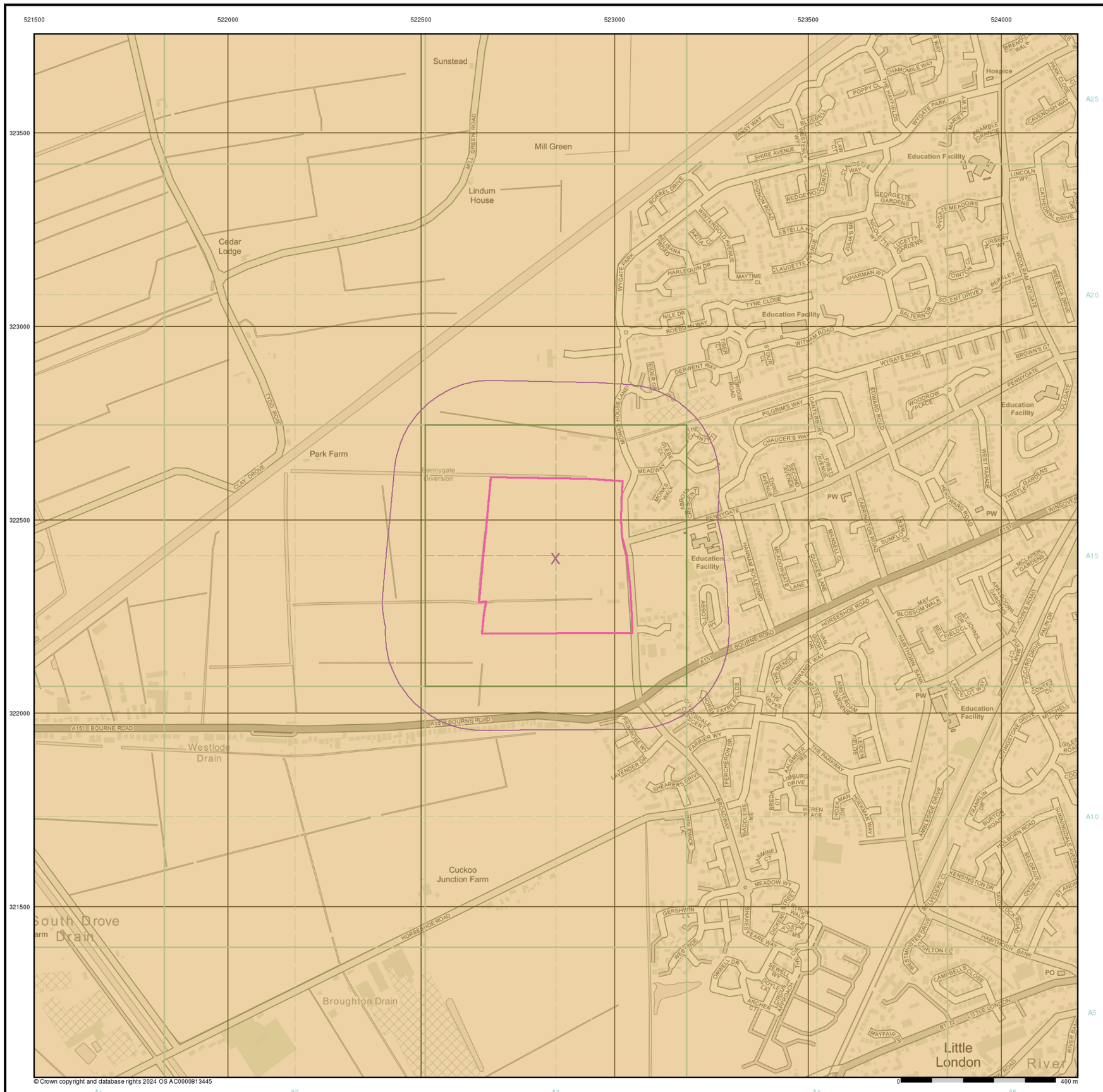
Site Details

Monks House Lane West, Spalding

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

Order Details:
Order Number: 365720650
Customer Ref: D44118
National Grid Reference: 522850, 322400
Slice: A
Site Area (Ha): 14.64
Search Buffer: 250
Site Details: Monks House Lane West, Spalding
A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.
BGS Boreholes

Map ID:	Easting:	Northing:	Distance:	Quadrant Reference:	Quadrant Reference:	Bearing Ref:	BGS Reference:	Drilled Length (m):	Borehole Name:	Link to Borehole Scan:
29	523040	322630	36	A13	NE	NE	Tf22sw215	1.5	Wygate Park Relief Road Spalding Tp4	http://scans.bgs.ac.uk/sobi_scans/boreholes/18112268
30	523010	322720	119	A13	NE	NE	Tf22sw214	1.6	Wygate Park Relief Road Spalding Tp3	http://scans.bgs.ac.uk/sobi_scans/boreholes/18112267
31	523000	322830	229	A18	SE	N	Tf22sw213	1.7	Wygate Park Relief Road Spalding Tp2	http://scans.bgs.ac.uk/sobi_scans/boreholes/18112266
32	523140	321990	238	A8	NE	SE	Tf22sw16	97.54	Horseshoe Road,Spalding	http://scans.bgs.ac.uk/sobi_scans/boreholes/502694



GeoDyne

General

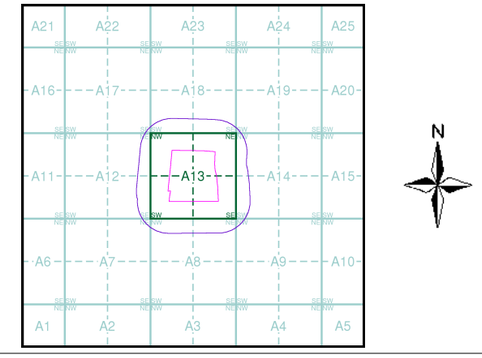
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



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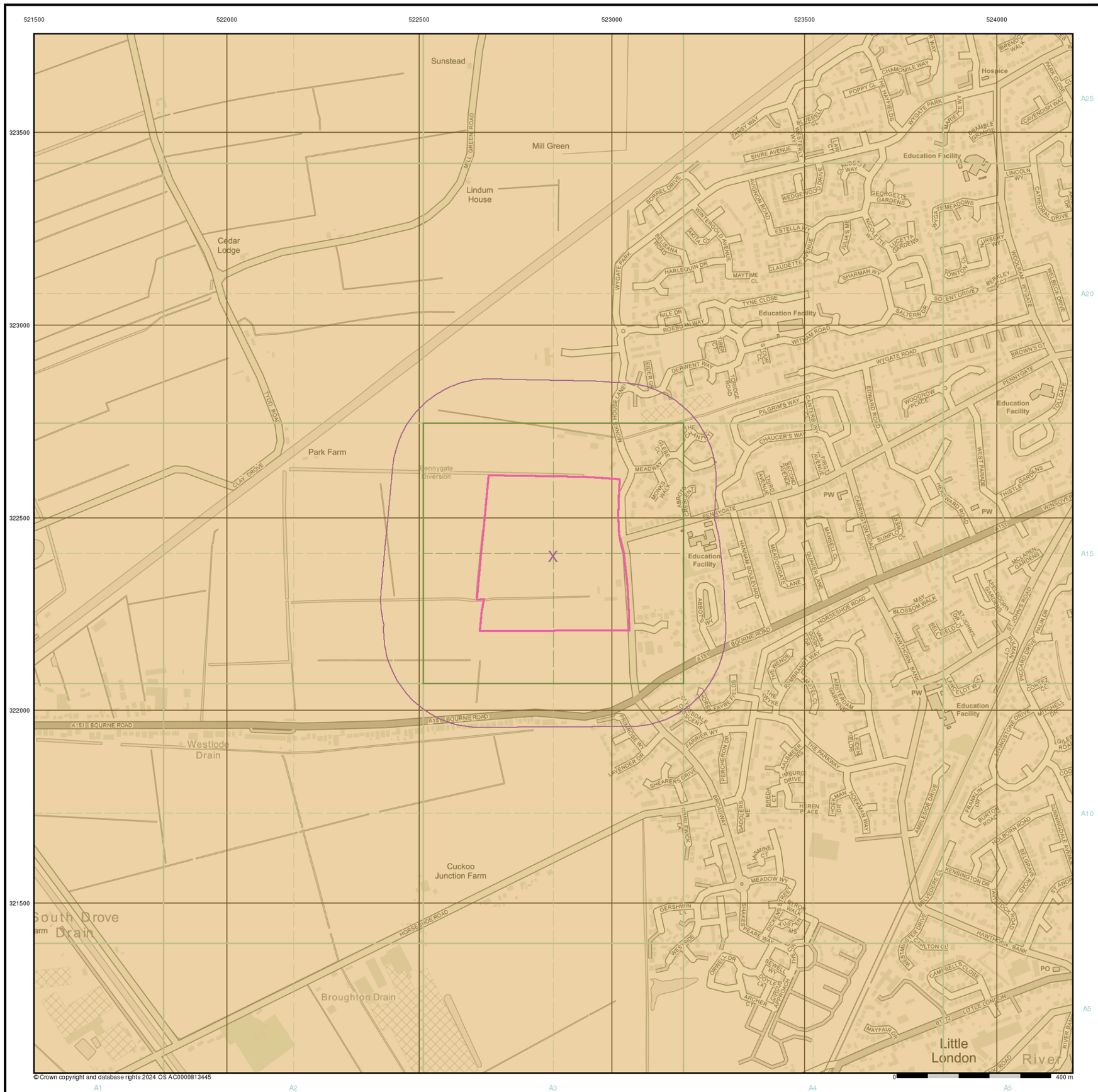


GeoDyne

General

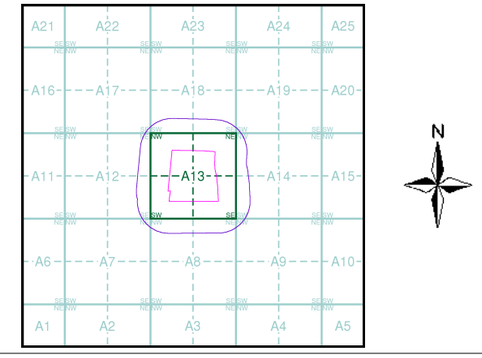
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



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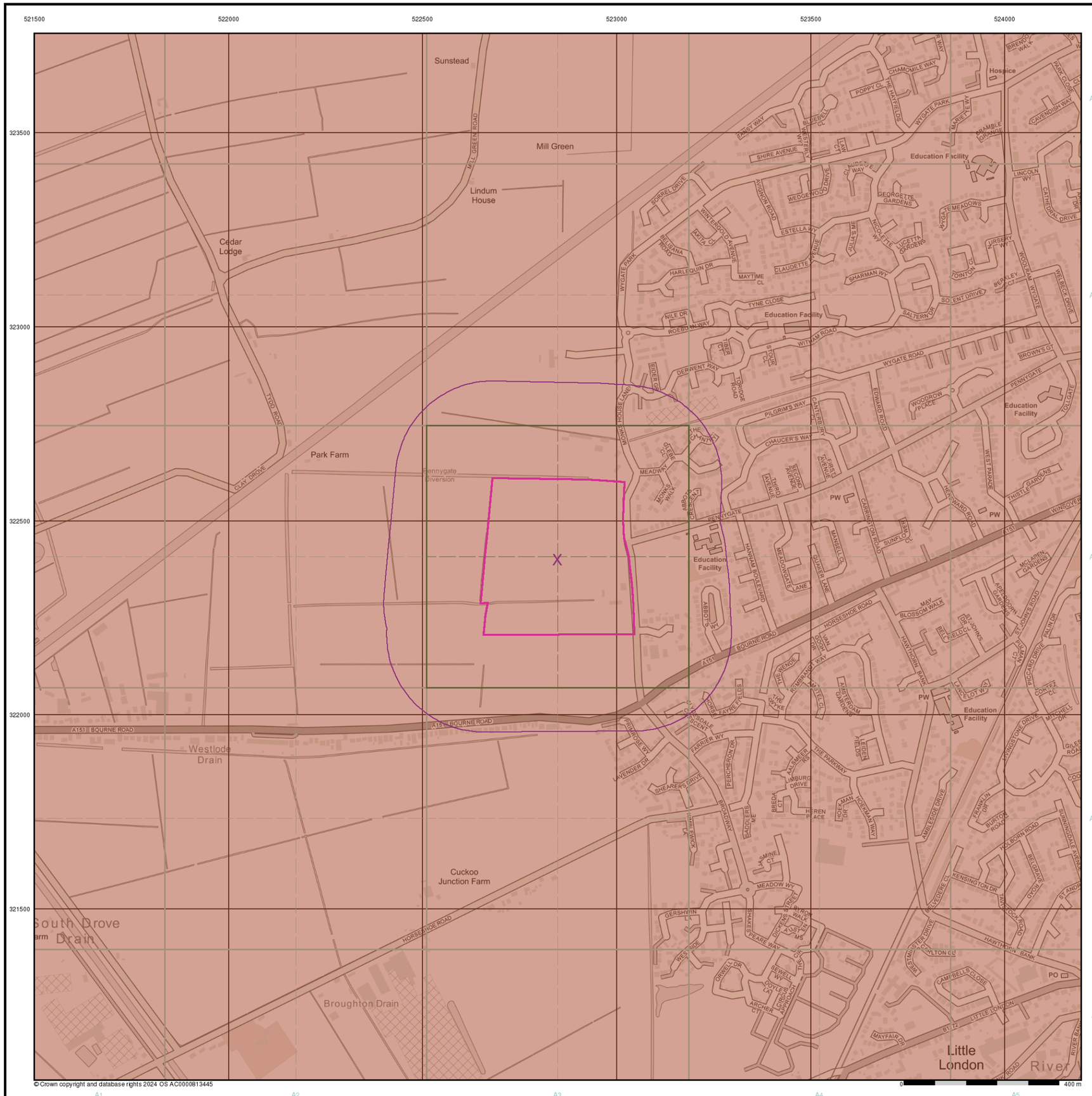


GeoDyne

General

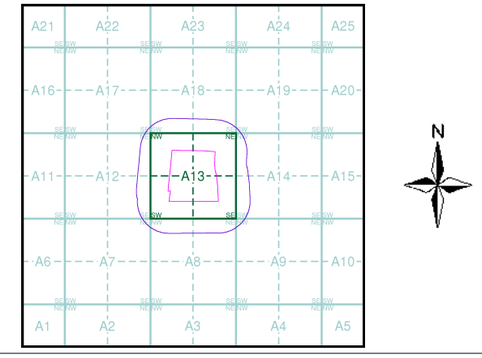
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



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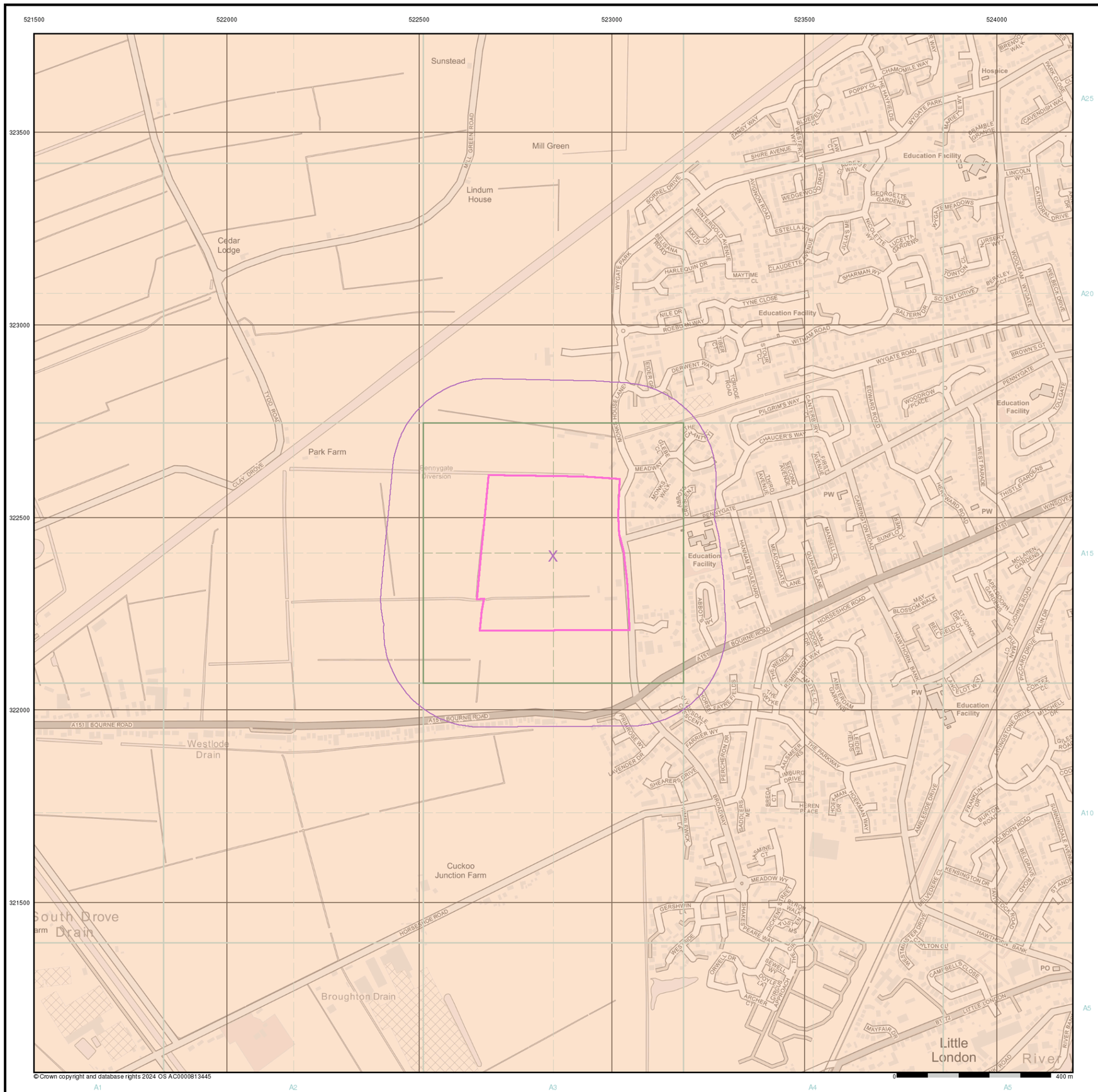


GeoDyne

General

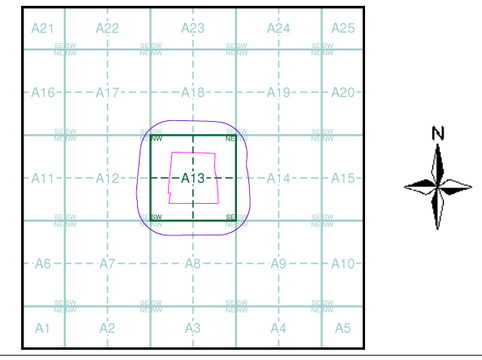
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



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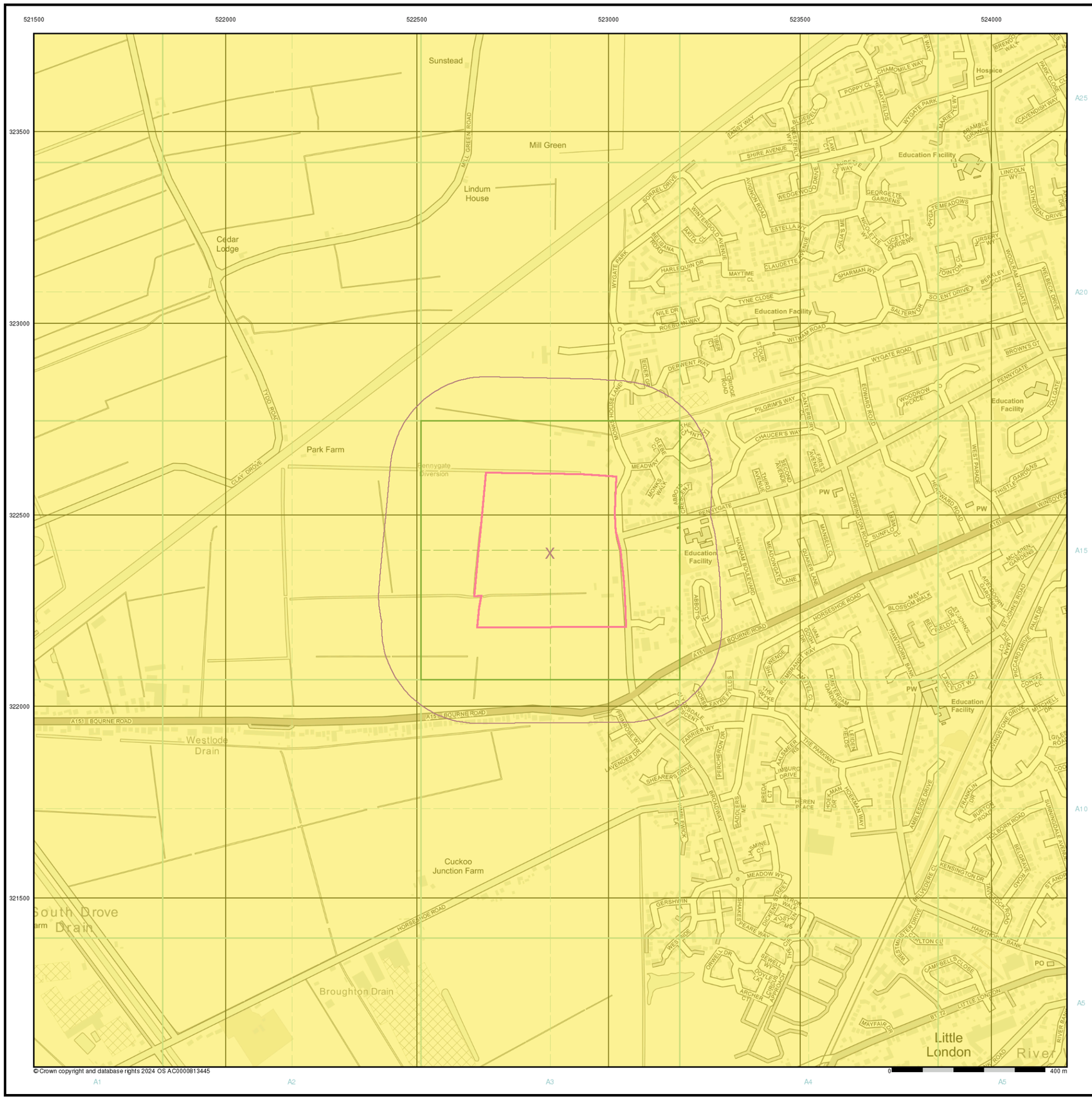


GeoDyne

General

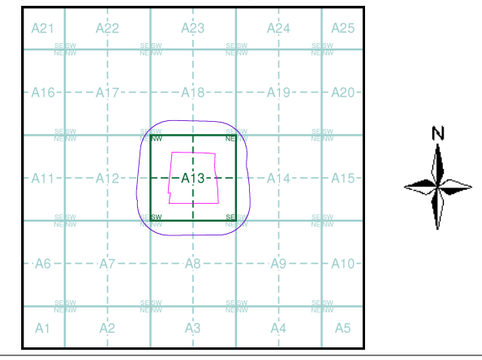
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



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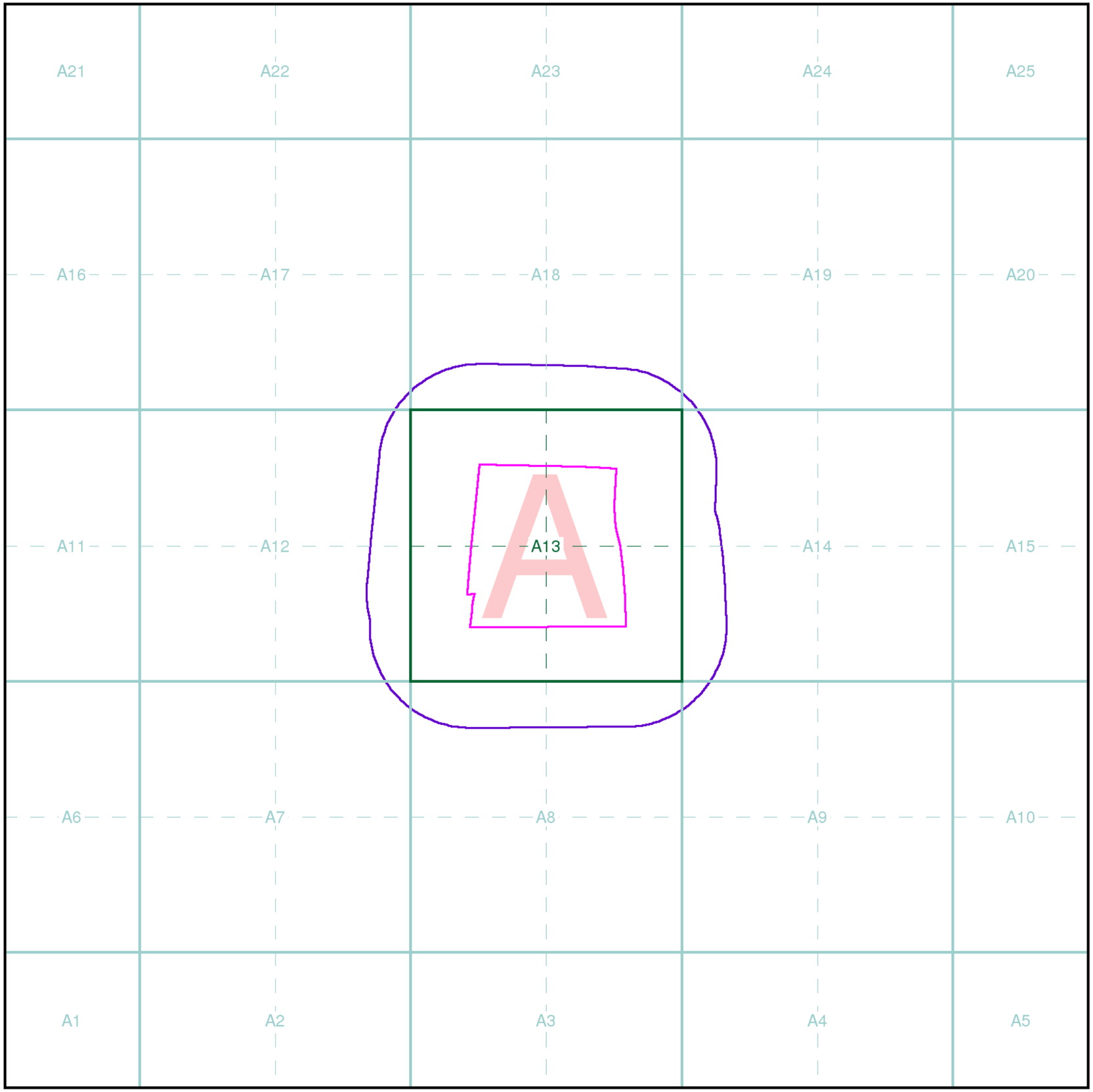

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Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:

Map data | British Geological Survey, Natural Environment Research Council | Environment Agency | Natural England

Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr Hollands, GeoDyne Ltd, Clarendon House, Clarendon Business Park, Clumber Avenue, Nottingham, NG5 1AH

Order Details

Order Number:	365720650_1_1
Customer Ref:	D44118
National Grid Reference:	522850, 322400
Site Area (Ha):	14.64
Search Buffer (m):	250

Site Details

Monks House Lane West, Spalding

Full Terms and Conditions can be found on the following link:
http://www.landmarkinfo.co.uk/Terms/Show/515

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

GeoDyne

Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
365720650_1_1

Customer Reference:
D44118

National Grid Reference:
522850, 322400

Slice:
A

Site Area (Ha):
14.64

Search Buffer (m):
250

Site Details:

Monks House Lane West
Spalding

Client Details:

Mr Hollands
GeoDyne Ltd
Clarendon House
Clarendon Business Park
Clumber Avenue
Nottingham
NG5 1AH

GeoDyne

Contents

Report Version v53.0

GeoDyne

Summary

Data Type	Page Number	On Site	0 to 250m
Mining and Natural Cavities Data			
BGS Recorded Mineral Sites			
Coal Mining Affected Areas			n/a
Man Made Mining Cavities			
Mining Instability			n/a
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential Mining Areas			
Historical Land Use Information (1:2,500)			
Extractive Industries or Potential Excavations from 1855-1909 (100m)			
Extractive Industries or Potential Excavations from 1893-1915 (100m)			
Extractive Industries or Potential Excavations from 1906-1937 (100m)			
Extractive Industries or Potential Excavations from 1924-1949 (100m)			
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1		1
Subterranean Features (100m)			
Historical Land Use Information (1:10,000)			
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining & quarrying general			
Mining of coal & lignite			
Quarrying of sand & clay, operation of sand & gravel pits			
Former Marshes			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)	pg 2		6
Ground Stability Data (1:50,000)			
CBSCB Compensation District			n/a
Brine Pumping Related Features			
Brine Subsidence Solution Area			
Potential for Collapsible Ground Stability Hazards	pg 3	Yes	
Potential for Compressible Ground Stability Hazards	pg 3	Yes	
Potential for Ground Dissolution Stability Hazards	pg 3	Yes	
Potential for Landslide Ground Stability Hazards	pg 3	Yes	
Potential for Running Sand Ground Stability Hazards	pg 3	Yes	
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes	
Salt Mining Related Features			

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Summary

Report Version v53.0

GeoDyne

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1968 Last Map Published Date: N/A	A13SE (SE)	82	-	523129 322215

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1906	A13NE (E)	7	-	523029 322452
3	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NE (NE)	15	-	523034 322570
4	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1906	A13NE (NE)	70	-	523085 322624
5	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1906	A13SE (E)	120	-	523163 322282
6	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1906	A13NE (E)	149	-	523175 322443
7	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1906	A14NW (E)	221	-	523251 322513

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	522847 322400
8	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	522847 322400
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	522847 322400
9	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	522847 322400
10	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	522847 322400
11	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	522847 322400

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF2222	1968
Ordnance Survey Plan	TF2322	1968

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	134_SW	1889
Lincolnshire	141_NE	1889
Lincolnshire	142_NW	1889
Lincolnshire	133_SE	1892
Lincolnshire	133_SE	1906
Lincolnshire	134_SW	1906
Lincolnshire	141_NE	1906
Lincolnshire	142_NW	1906
Lincolnshire	134_SW	1932
Lincolnshire	142_NW	1932
Lincolnshire	142_NW	1938
Lincolnshire	133_SE	1951
Lincolnshire	134_SW	1951
Lincolnshire	141_NE	1951
Ordnance Survey Plan	TF22SW	1959
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF22SW	1992

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

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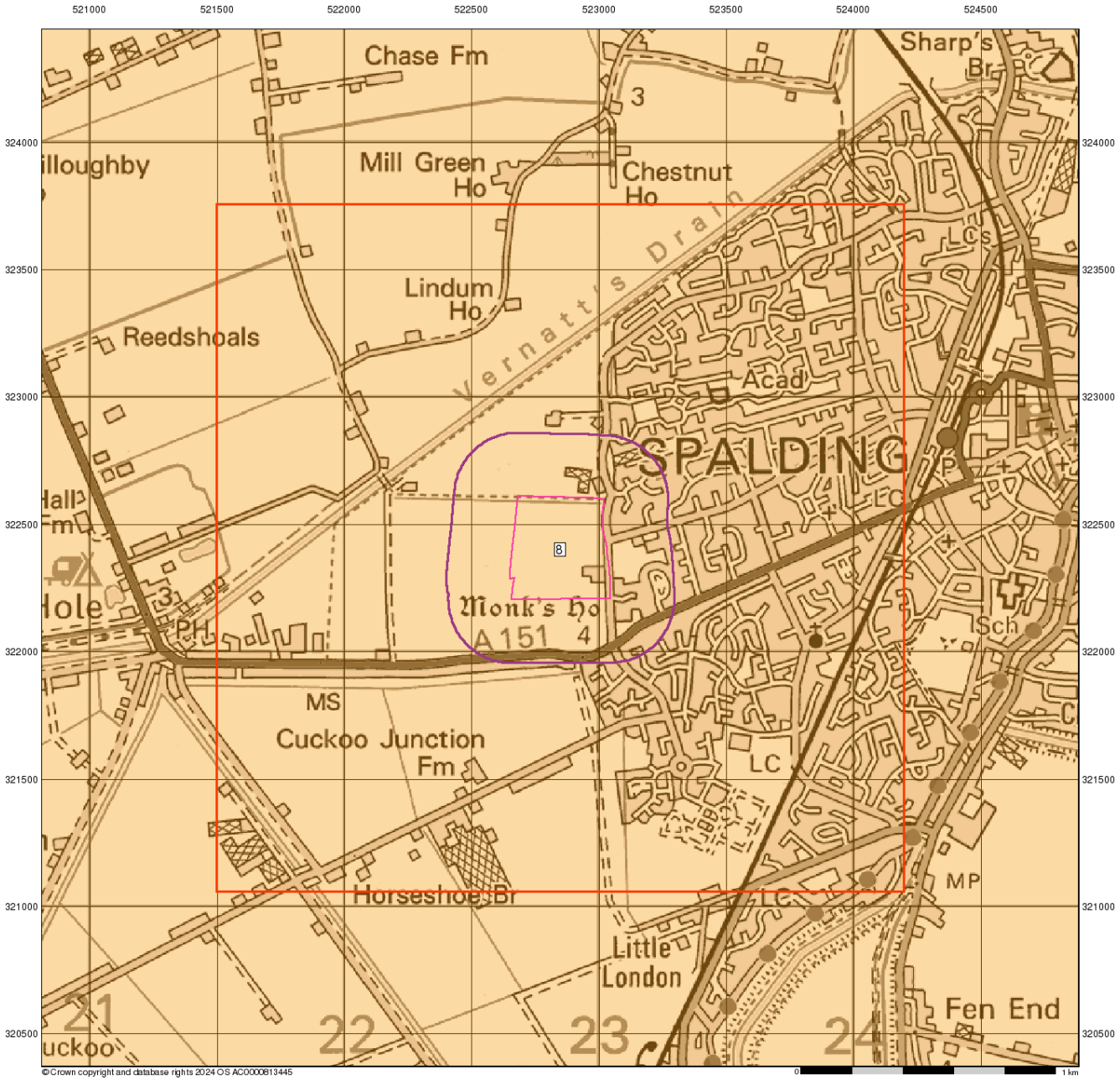
Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk



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

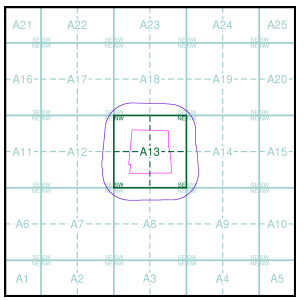
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice A



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Search Buffer (m):	250

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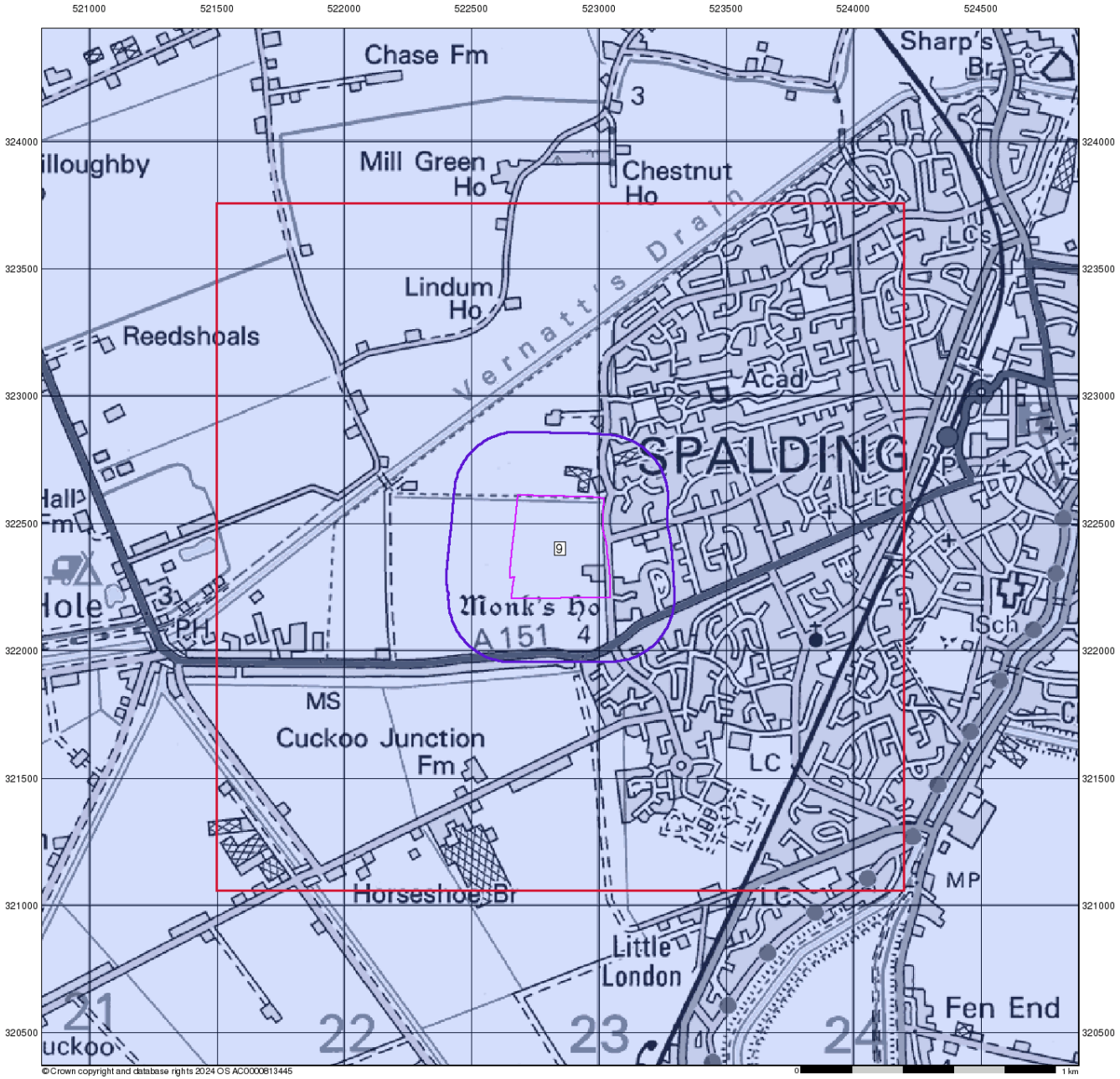
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



GeoDyne

Ground Stability Data (1:50,000)

General

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

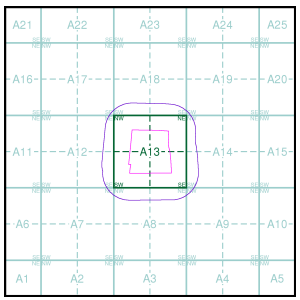
Potential for Landslide Ground Stability Hazards

High | Low
Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low
Moderate | Very Low

Mining and Ground Stability - Slice A



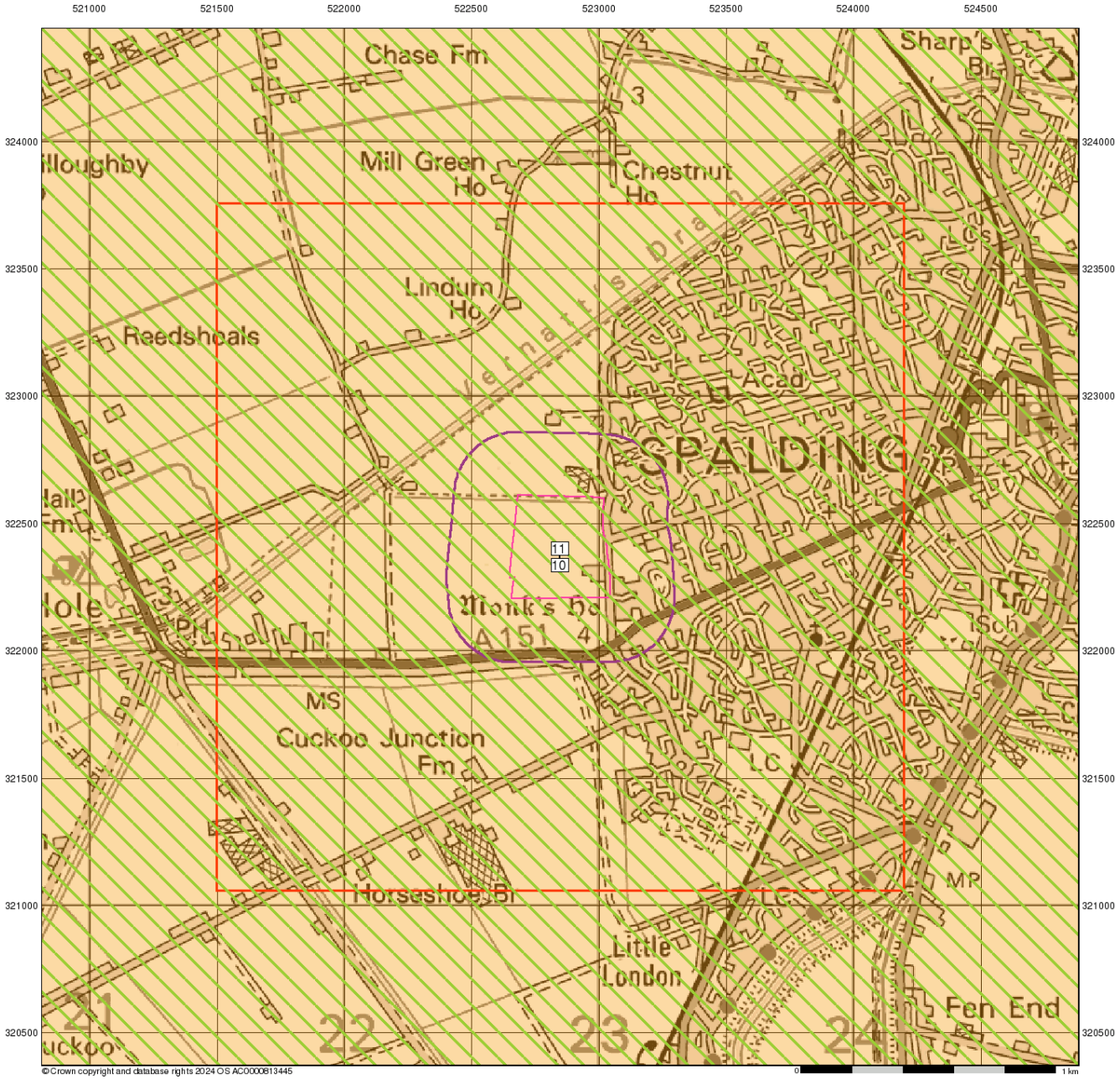
Order Details

Order Number:	365720650_1_1
Customer Ref:	D44118
National Grid Reference:	522850, 322400
Slice:	A
Site Area (Ha):	14.64
Search Buffer (m):	250

Site Details

Monks House Lane West, Spalding

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



GeoDyne

Ground Stability Data (1:50,000)

General

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

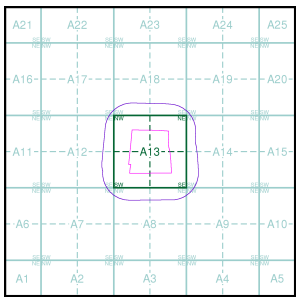
Potential for Running Sand Ground Stability Hazards

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



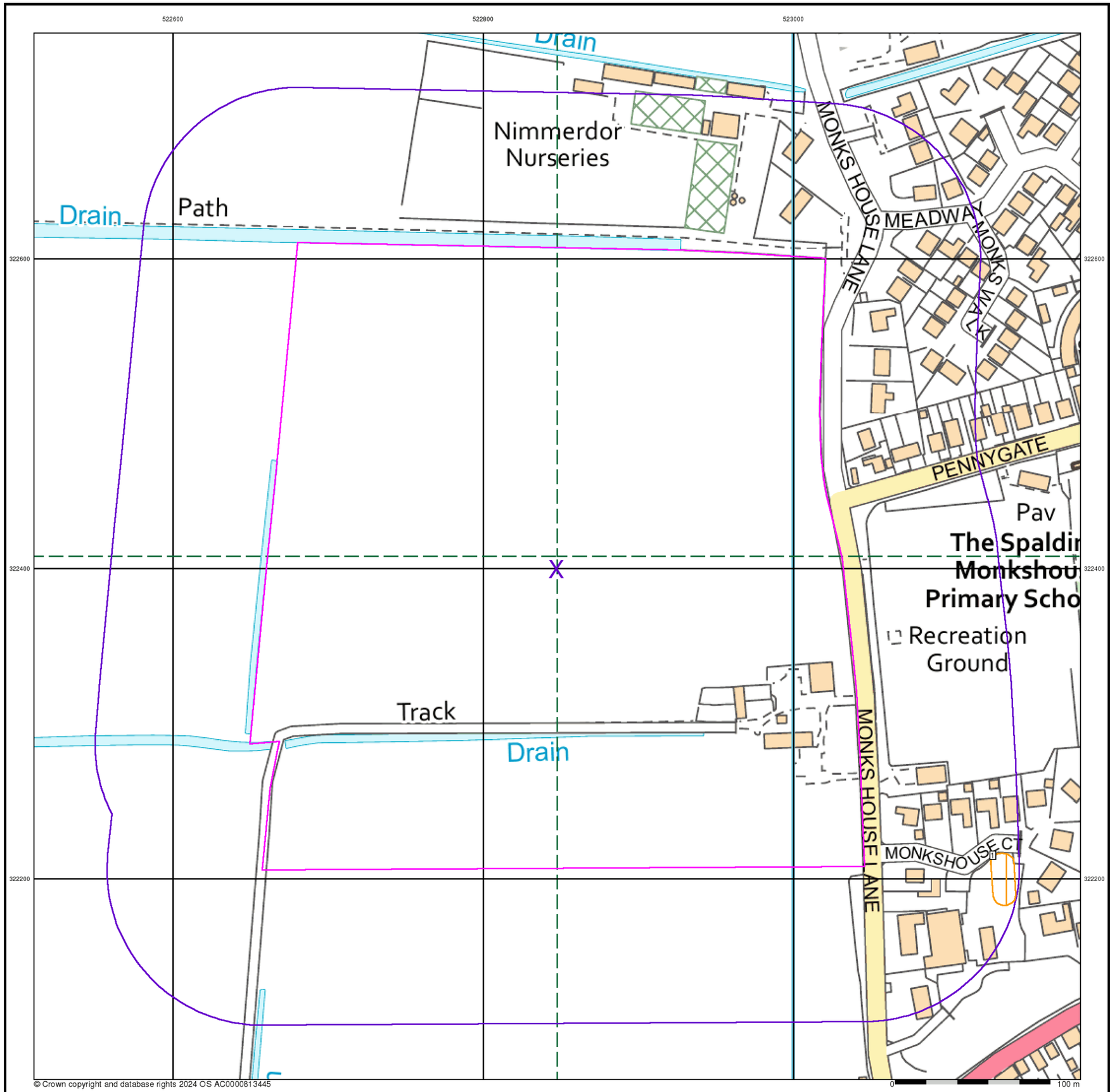
Order Details

Order Number:	365720650_1_1
Customer Ref:	D44118
National Grid Reference:	522850, 322400
Slice:	A
Site Area (Ha):	14.64
Search Buffer (m):	250

Site Details

Monks House Lane West, Spalding

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.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

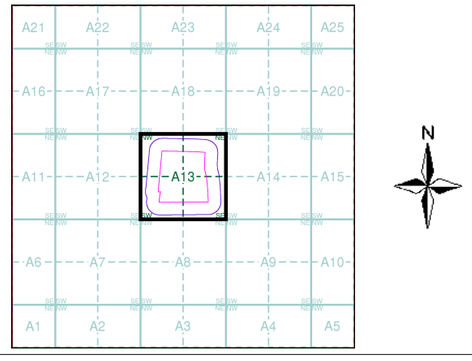
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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



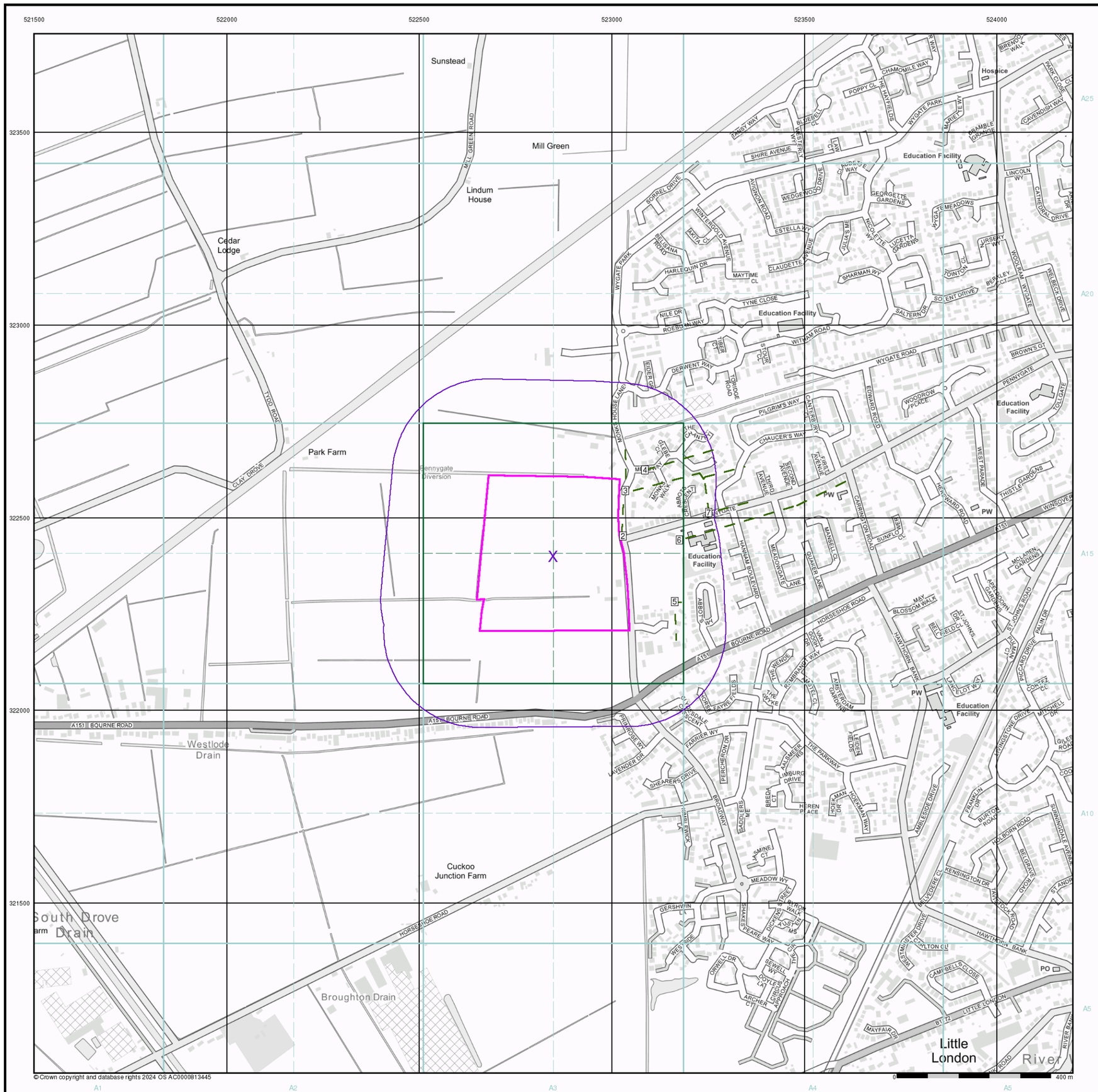
Order Details

Order Number:	365720650_1_1
Customer Ref:	D44118
National Grid Reference:	522850, 322400
Slice:	A
Site Area (Ha):	14.64
Plot Buffer (m):	100

Site Details

Monks House Lane West, Spalding

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



GeoDyne

Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

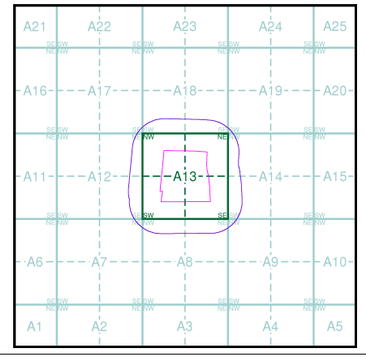
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

Order Number:	365720650_1_1
Customer Ref:	D44118
National Grid Reference:	522850, 322400
Slice:	A
Site Area (Ha):	14.64
Search Buffer (m):	250

Site Details

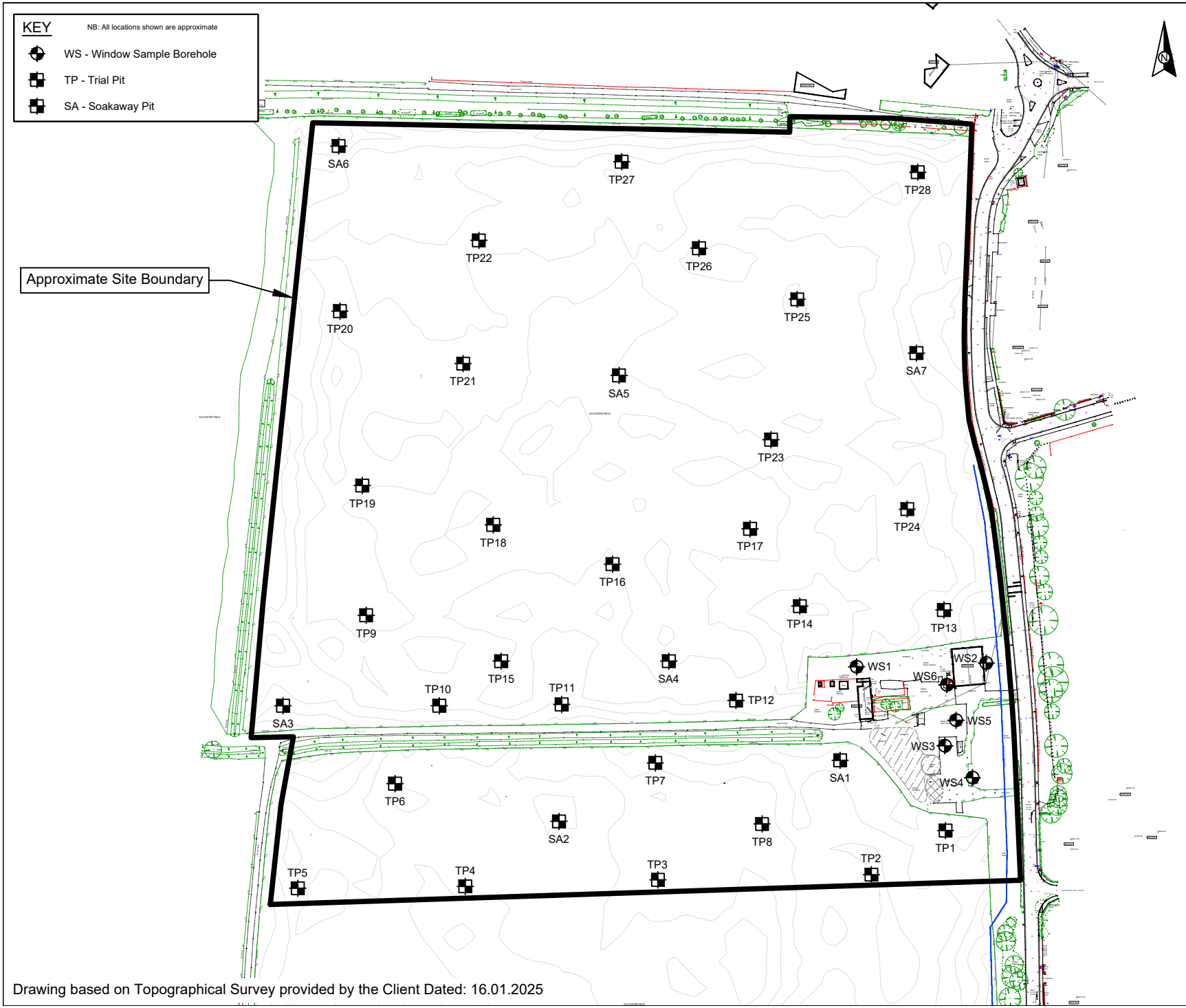
Monks House Lane West, Spalding

Landmark INFORMATION GROUP

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

APPENDIX IX

Exploratory Hole Location Plan
(Figure No. D44118/08)



Drawing based on Topographical Survey provided by the Client Dated: 16.01.2025

Project No.	D44118
Client	Seagate Homes
Project	Monks House Lane West, Spalding
Title	Exploratory Hole Location Plan
Drawn By	ACH
Checked By	RS
Approved By	PK
Scale	NTS
Date Drawn	30/01/2025
Revision	
Figure No.	D44118/08

GeoDyne

Nottingham 0115 962 0101
Derby 01332 290 798

info@geodyne.co.uk
www.geodyne.co.uk

APPENDIX X

Exploratory Hole Logs

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP1

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey slightly gravelly TOPSOIL (TOPSOIL)		0.20	T1/J1	D/J			
		0.35					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.50	SB1	B	In-Situ SV	80, 80, 90	
		0.60	T2/J2	D/J			
		0.70			In-Situ SV	80, 90, 84	
...becoming soft below 1.00m		1.00			In-Situ SV	45, 50, 52	
		1.30			In-Situ SV	30, 42, 28	
Loose to medium dense orange-brown mottled light grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)		1.50					
Loose to medium dense damp light grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.00m		1.90					▽
End of Trial Pit at 2.30m		2.30					

Remarks:

1.Trial pit sides collapsed from 2.30m to 1.20m.
2.Water encountered as slow seepage at 2.00m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP1
Date: 20/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP2

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey slightly gravelly TOPSOIL (TOPSOIL)							
		0.30					
Firm light brown mottled light grey, orange-brown and yellow-brown SILT (TIDAL FLAT DEPOSITS)		0.40			In-Situ SV	70, 70, 70	
		0.70			In-Situ SV	58, 64, 68	
		1.00					
Soft orange-brown very silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)		1.10	T1/J1	D/J	In-Situ SV	30, 32, 30	
		1.20	SB1	B			
		1.30			In-Situ SV	30, 30, 26	
		2.00					▽
Loose to medium dense wet light grey to grey very silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.00m		2.20	SB2	B			
End of Trial Pit at 2.30m		2.30					

Remarks:

1.Trial pit sides collapsed from 2.30m to 0.50m.
2.Water encountered as slow seepage at 2.00m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP2
Date: 20/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP3

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.35					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.50 - 1.00	LB1	B	In-Situ SV	80, 88, 94	
		0.50					
		0.80			In-Situ SV	54, 56, 54	
...becoming soft below 1.00m		1.10			In-Situ SV	19, 19, 24 20, 24, 30	
Loose to medium dense orange-brown silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)		1.50					
...with slow water seepage at 1.80m		1.70	T1/J1	D/J			▽
Loose to medium dense wet light grey to grey very silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)		2.20					
End of Trial Pit at 2.40m		2.40					

Remarks:

1.Trial pit sides collapsed from 2.40m to 0.50m.
2.Water encountered as slow seepage at 1.80m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP3
Date: 20/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP4

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown, light grey and yellow-brown SILT (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	60, 60, 64	
		0.75			In-Situ SV	56, 70, 64	
		0.95					
Loose to medium dense orange-brown mottled yellow-brown slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)							
		1.50					
Loose to medium dense pale yellow fine to medium grained SAND (TIDAL FLAT DEPOSITS)							
		2.00					
Loose to medium dense damp light grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)							▽
...with slow water seepage and running sand at 2.40m							
...becoming less silty below 2.50m		2.50	T1/J1	D/J			
End of Trial Pit at 2.80m		2.80					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.40m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project:			Client:	
Monks House Lane West, Spalding			**Seagate Homes**	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP4
Date: 20/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP5

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey slightly gravelly TOPSOIL (TOPSOIL)		0.20	T1/J1	D/J			
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.40 0.50			In-Situ SV	76, 60, 58	
		0.70			In-Situ SV	74, 74, 84	
		1.00			In-Situ SV	56, 60, 46	
Loose to medium dense orange-brown fine to medium grained SAND (TIDAL FLAT DEPOSITS)		1.30					
Loose to medium dense damp light grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.20m		2.10					▽
End of Trial Pit at 2.50m		2.50					

Remarks:

1.Trial pit sides collapsed from 2.50m to 1.00m.
2.Water encountered as slow seepage at 2.10m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP5
Date: 20/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP6

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey slightly gravelly TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown and light grey slightly sandy slightly clayey SILT (TIDAL FLAT DEPOSITS)		0.40			In-Situ SV	66, 66, 64	
		0.50	T1/J1	D/J			
		0.60	SB1	B			
		0.70			In-Situ SV	80, 70, 74	
		0.90			In-Situ SV	58, 40, 58	
		1.10			In-Situ SV	44, 38, 34	
...becoming soft below 1.50m		1.50			In-Situ SV	24, 26, 32	
		2.00					▽
Soft wet light grey sandy slightly silty CLAY with rare black organic staining and odour (TIDAL FLAT DEPOSITS)							
...with slow water seepage at 2.00m		2.20	SB2 T2/J2	B D/J			
End of Trial Pit at 2.40m		2.40					

Remarks:

1.Trial pit sides collapsed from 2.40m to 1.00m.
2.Water encountered as slow seepage at 2.00m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP6
Date: 20/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
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Tel: 0115 962 0001
email: info@geodyne.co.uk

TP7

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.40					
Firm light brown mottled orange-brown and light grey slightly sandy slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	84, 80, 90	
		0.70			In-Situ SV	66, 66, 76	
		0.90			In-Situ SV	54, 62, 68	
		1.00					
Loose to medium dense orange-brown mottled light grey and pale yellow slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)		1.10	T1/J1	D/J			
		2.20					
Loose to medium dense wet light grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)							▽
End of Trial Pit at 2.40m		2.40					

Remarks:

1.Trial pit sides collapsed from 2.40m to 1.40m.
2.Water encountered as slow seepage at 2.40m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP7
Date: 20/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP8

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown, brown and light grey slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.40			In-Situ SV	56, 52, 58	
		0.50	SB1 T1/J1	B D/J			
		0.65			In-Situ SV	54, 64, 72	
Firm orange-brown mottled light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.70					
		0.80			In-Situ SV	58, 48, 58	
		1.00			In-Situ SV	50, 40, 58	
		1.20			In-Situ SV	42, 42, 46	
Loose to medium dense damp light grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)		1.40					
...with slow water seepage at 2.00m							▽
End of Trial Pit at 2.40m		2.40					

Remarks:

1.Trial pit sides collapsed from 2.40m to 1.00m.
2.Water encountered as slow seepage at 2.00m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP8
Date: 20/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP9

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.20	T1/J1	D/J			
Firm orange-brown and light grey slightly silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)		0.40					
		0.50			In-Situ SV	60, 62, 64	
		0.70			In-Situ SV	68, 74, 86	
Firm to soft orange-brown mottled light brown and grey slightly clayey SILT with rare clay pockets (TIDAL FLAT DEPOSITS)		0.95					
		1.00	LB1	B	In-Situ SV	94, 70, 80	
...becoming firm below 1.20m		1.20			In-Situ SV	60, 64, 64	
		1.50			In-Situ SV	44, 46, 40	
...becoming soft below 1.70m		1.70			In-Situ SV	19, 24, 17	
Loose damp grey very silty fine grained SAND with rare clay pockets (TIDAL FLAT DEPOSITS)		2.00					
		2.20			In-Situ SV	10, 10, 10	
...with a very slight water ingress at 2.70m							▽
End of Trial Pit at 3.20m		3.20					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.70m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project:			**Client:**	
Monks House Lane West, Spalding			**Seagate Homes**	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP9
Date: 21/01/2025	**Approved:** PK		**Scale:** 1:20	

GeoDyne

Unit 2.2 Clarendon House
Clarendon Park, Clumber Avenue
Nottingham NG5 1AH
Tel: 0115 962 0001
email: info@geodyne.co.uk

TP10

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.30					
Firm orange-brown mottled light grey slightly clayey SILT (TIDAL FLAT DEPOSITS)		0.40			In-Situ SV	60, 60, 80	
		0.50	SB1 T1/J1	B D/J			
		0.65			In-Situ SV	70, 70, 70	
		0.90			In-Situ SV	96, 86, 82	
		1.10			In-Situ SV	80, 76, 74	
		1.20					
Loose to medium dense orange-brown and light grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...becoming light grey below 1.40m		1.50	T2/J2	D/J			
		2.00	SB2	B			
...with slow water seepage at 2.40m							▽
End of Trial Pit at 2.50m		2.50					

Remarks:

1.Trial pit sides collapsed from 2.50m to 1.00m.
2.Water encountered as slow seepage at 2.40m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP10
Date: 21/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP11

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop stubble over dark brown clayey silty TOPSOIL (TOPSOIL)							
		0.40					
Firm light brown slightly clayey slightly sandy SILT with occasional clayey pockets (TIDAL FLAT DEPOSITS)		0.55			In-Situ SV	70, 80, 88	
		0.70			In-Situ SV	60, 70, 90	
		0.90			In-Situ SV	80, 74, 68	
		1.10			In-Situ SV	56, 44, 60	
		1.20					
Loose orange-brown mottled light grey-brown silty fine grained SAND (TIDAL FLAT DEPOSITS) ...with a clay land drain (100mm diameter) at 1.30m							
		2.20					▽
Loose to medium dense grey damp very silty fine grained SAND (TIDAL FLAT DEPOSITS) ...with slight water seepage at 2.20m		2.40	T1/J1	D/J			
End of Trial Pit at 2.50m		2.50					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.20m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP11
Date: 21/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP12

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop stubble over dark brown clayey silty TOPSOIL (TOPSOIL)							
		0.35					
Firm orange-brown mottled light brown slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.40			In-Situ SV	68, 76, 70	
		0.60			In-Situ SV	60, 56, 56	
...becoming soft below 0.85m		0.85			In-Situ SV	34, 36, 46	
...with a red clay land drain (100mm diameter) at 1.10m		1.10			In-Situ SV	26, 30, 46	
...becoming sandy below 1.30m		1.30			In-Situ SV	21, 18, 25	
...becoming very soft below 1.50m		1.50			In-Situ SV	13, 9, 7, 14	
		1.80			In-Situ SV	15, 6, 13, 14	
Loose wet grey mottled orange-brown very silty fine grained SAND (TIDAL FLAT DEPOSITS) ...with slight water seepage at 2.10m		2.00					▽
End of Trial Pit at 2.40m		2.40					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.10m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP12
Date: 21/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP13

Project No: D44118

Sheet 1 of 1

Description of Strata	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)	0.40					
Stiff grey mottled yellow-brown and grey silty CLAY (TIDAL FLAT DEPOSITS)	0.50	T1/J1	D/J	In-Situ SV	140, 140, 140	
	0.60	SB1	B			
	0.70			In-Situ SV	100, 70, 84	
Firm light grey mottled orange-brown very silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)	0.75 0.80			In-Situ SV	56, 70, 90	
	1.00			In-Situ SV	40, 46, 52	
Soft yellow-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)	1.10 1.20			In-Situ SV	16, 22, 26	
	1.50	SB2	B	In-Situ SV	21, 19, 20	
Loose light grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 1.90m	1.70					▽
End of Trial Pit at 2.00m	2.00					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 1.90m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP13
Date: 22/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP14

Project No: D44118

Sheet 1 of 1

Description of Strata	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)						
	0.30					
Stiff brown mottled orange-brown silty CLAY (TIDAL FLAT DEPOSITS)	0.40	SB1	B	In-Situ SV	80, 76, 90	
	0.50					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS) ...with a clay land drain at 0.50m	0.60			In-Situ SV	46, 46, 40	
	0.80			In-Situ SV	38, 36, 44	
	1.00			In-Situ SV	30, 34, 26	
...becoming soft and sandy below 1.50m	1.80	SB2	B			
Loose to medium dense light grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.00m	1.90					▽
End of Trial Pit at 2.20m	2.20					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.00m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP14
Date: 22/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP15

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown and light grey slightly sandy SILT with occasional clay pockets (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	62, 48, 46	
		0.70			In-Situ SV	76, 72, 100	
		0.90			In-Situ SV	80, 70, 96	
...becoming sandy below 1.30m							
...progressing into a silty fine to medium grained SAND below 1.90m ...becoming light brown below 2.00m							
		2.20					
Loose to medium dense wet light grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.30m		2.40	T1/J1	D/J			▽
End of Trial Pit at 2.50m		2.50					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.30m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP15
Date: 22/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP16

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.40					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	44, 50, 60	
		0.70	T1/J1/V1	D/J/V	In-Situ SV	38, 30, 50	
...becoming sandy below 0.80m		0.90			In-Situ SV	48, 30, 42	
		1.20			In-Situ SV	21, 21, 16	
		1.50			In-Situ SV	20, 14, 12	
...progressing into a silty fine to medium grained sand below 1.60m							
...with slow water seepage at 1.80m		1.80			In-Situ SV	10, 10, 10	▽
Loose to medium dense damp very silty fine to medium grained SAND with occasional clay pockets and rare organic black staining and odour (TIDAL FLAT DEPOSITS)		1.90					
...becoming slightly silty below 2.30m		2.50	SB1	B			
End of Trial Pit at 2.70m		2.70					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 1.80m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP16
Date: 22/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP17

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop stubble over dark brown slightly clayey silty TOPSOIL (TOPSOIL)		0.40					
Firm light brown mottled orange-brown and light brown slightly clayey SILT (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	46, 56, 46	
		0.70			In-Situ SV	40, 50, 40	
		0.90			In-Situ SV	20, 32, 30	
...becoming soft below 1.00m		1.00	T1/J1	D/J			
		1.10			In-Situ SV	20, 24, 22, 18, 22, 23	
		1.40			In-Situ SV	20, 19, 24	
...becoming damp below 1.50m		1.70			In-Situ SV	15, 19, 17	
Loose to medium dense grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slight water seepage at 2.00m		1.90					▽
End of Trial Pit at 2.50m		2.50					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.00m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP17
Date: 22/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP18

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey silty TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	76, 64, 72	
		0.70			In-Situ SV	52, 48, 60	
		0.90			In-Situ SV	54, 64, 62	
		1.20			In-Situ SV	34, 28, 30	
...becoming soft below 1.50m		1.50			In-Situ SV	24, 19, 16	
		1.80			In-Situ SV	14, 18, 10	
...with slight water seepage at 1.90m ...becoming very soft below 2.00m		2.00			In-Situ SV	13, 12, 11	
		2.30					
Loose to medium dense wet grey very silty fine grained SAND (TIDAL FLAT DEPOSITS) ...with slight water seepage at 2.50m		2.50	T1/J1	D/J			▽
End of Trial Pit at 2.70m		2.70					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.50m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP18
Date: 22/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP19

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey slightly silty TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown clayey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	58, 68, 42	
		0.70			In-Situ SV	44, 50, 42	
		0.90			In-Situ SV	36, 38, 40	
		1.00	SB1	B			
		1.10			In-Situ SV	40, 40, 40	
...becoming soft below 1.40m		1.40			In-Situ SV	24, 12, 18	
...becoming damp at 1.60m							
		1.80			In-Situ SV	10, 5, 9	
		1.90					▽
Loose to medium dense grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.00m							
		2.50					
End of Trial Pit at 2.50m							

Remarks:

1.Trial pit sides collapsed below 1.40m.
2.Water encountered as slow seepage at 2.00m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP19
Date: 23/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP20

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.15	T1/J1	D/J			
		0.30					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.40			In-Situ SV	58, 80, 90	
		0.60			In-Situ SV	54, 58, 50	
		0.80			In-Situ SV	40, 42, 60	
		1.00			In-Situ SV	44, 36, 30	
...becoming soft below 1.20m		1.20			In-Situ SV	17, 26, 22	
		1.50	T2/J2	D/J			
		1.60			In-Situ SV	16, 12, 13	
Loose to medium dense grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.30m		2.10					▽
End of Trial Pit at 2.40m		2.40					

Remarks:

1.Trial pit sides collapsed below 1.50m.
2.Water encountered as slow seepage at 2.30m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP20
Date: 23/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP21

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown very clayey TOPSOIL (TOPSOIL)							
		0.30					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	75, 95, 70	
		0.70			In-Situ SV	42, 50, 50	
		1.10			In-Situ SV	30, 34, 30	
...becoming soft below 1.40m		1.40			In-Situ SV	24, 18, 15	
...becoming sandy below 1.50m							
		1.80			In-Situ SV	10, 10, 8	
		2.00					
Loose to medium dense grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)							
...with slow water seepage at 2.20m		2.20					▽
End of Trial Pit at 2.20m							

Remarks:

1.Trial pit sides collapsed below 1.90m.
2.Water encountered as slow seepage at 2.20m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP21
Date: 23/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP22

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown clayey SILT with rare silty clay pockets (TIDAL FLAT DEPOSITS)		0.50 - 1.00	LB1	B	In-Situ SV	52, 48, 40	
		0.50					
		0.70			In-Situ SV	70, 62, 76	
		0.80	T1/J1/V1	D/J/V			
		0.90			In-Situ SV	80, 76, 88	
		1.10			In-Situ SV	62, 58, 62	
...becoming soft below 1.40m		1.40			In-Situ SV	16, 19, 11	
...becoming sandy below 1.50m							
		1.90			In-Situ SV	12, 12, 8	
		2.10					▽
Loose to medium dense damp grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.20m		2.40	T2/J2	D/J			
End of Trial Pit at 2.60m		2.60					

Remarks:

1.Trial pit sides collapsed .
2.Water encountered as slow seepage at 2.20m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP22
Date: 23/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP23

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.10	T1/J1	D/J			
		0.30					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.40			In-Situ SV	74, 66, 60	
		0.60			In-Situ SV	70, 56, 64	
		0.80			In-Situ SV	44, 40, 38	
		1.00			In-Situ SV	30, 30, 30	
		1.30			In-Situ SV	26, 26, 26	
...becoming soft and sandy below 1.50m		1.50			In-Situ SV	22, 17, 20	
		1.80			In-Situ SV	12, 13, 12	
Loose to medium dense grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)		1.90					
...with slow water seepage at 2.20m							▽
End of Trial Pit at 2.40m		2.40					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.20m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP23
Date: 23/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP24

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.20	T1/J1	D/J			
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.35					
		0.50			In-Situ SV	68, 80, 84	
		0.70			In-Situ SV	52, 44, 62	
		0.90			In-Situ SV	34, 32, 36	
...becoming soft below 1.00m		1.10			In-Situ SV	20, 20, 18	
		1.30			In-Situ SV	19, 23, 26	
Loose to medium dense grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage at 2.20m		2.10					▽
End of Trial Pit at 2.40m		2.40					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.20m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP24
Date: 23/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP25

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.30					
Firm light brown mottled orange-brown and light grey slightly sandy SILT with rare silty clay pockets (TIDAL FLAT DEPOSITS)		0.40			In-Situ SV	50, 64, 70	
		0.50 - 1.00	LB1	B			
		0.60			In-Situ SV	38, 50, 56	
		0.80			In-Situ SV	44, 48, 44	
		1.00	T1/J1/V1	D/J/V	In-Situ SV	44, 30, 30	
		1.20			In-Situ SV	46, 48, 38	
...becoming soft below 1.40m		1.40			In-Situ SV	20, 22, 21	
		1.70			In-Situ SV	24, 22, 20	
		1.80					
Loose wet grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)							
...with slow water seepage at 2.00m							▽
		2.80	T2/J2	D/J			
		2.90					
End of Trial Pit at 2.90m							

Remarks:

1.Trial pit sides collapsed below 2.20m.
2.Water encountered as slow seepage at 2.00m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP25
Date: 24/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP26

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown and light grey slightly sandy SILT with rare silty clay pockets (TIDAL FLAT DEPOSITS)		0.50	SB1	B	In-Situ SV	84, 90, 86	
		0.70			In-Situ SV	62, 58, 70	
		0.90			In-Situ SV	48, 56, 74	
		1.10			In-Situ SV	50, 52, 50	
		1.30			In-Situ SV	30, 34, 32	
...becoming soft below 1.50m		1.50			In-Situ SV	24, 18, 20	
		1.70			In-Situ SV	21, 18, 25	
		1.80					
Loose grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)							
...becoming damp below 2.30m							
...with slow water seepage and running sand at 2.40m							▽
End of Trial Pit at 2.70m		2.70					

Remarks:

1.Trial pit sides collapsed.
2.Water encountered as slow seepage at 2.40m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP26
Date: 24/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP27

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.10	T1/J1	D/J			
		0.30					
Firm light brown mottled orange-brown and light grey slightly sandy SILT with occasional silty clay pockets (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	80, 50, 56	
		0.70			In-Situ SV	54, 50, 48	
		0.90			In-Situ SV	38, 30, 28	
		1.10			In-Situ SV	30, 30, 34	
...becoming soft below 1.40m		1.40			In-Situ SV	17, 17, 23	
		1.70			In-Situ SV	10, 11, 8	
		2.00			In-Situ SV	10, 9, 14	
Loose damp grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...with slow water seepage and running sand at 2.20m		2.10					▽
End of Trial Pit at 2.80m		2.80					

Remarks:

1.Trial pit sides collapsed below 1.70m.
2.Water encountered as slow seepage at 2.20m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP27
Date: 24/01/2025	**Approved:** PK		**Scale:** 1:20	

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TP28

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.20	T1/J1	D/J			
Firm light brown mottled orange-brown and light grey SILT with occasional clay pockets (TIDAL FLAT DEPOSITS)		0.40					
		0.60			In-Situ SV	37, 43, 59	
...with a clay land drain at 0.80m		0.80	T2/J2	D/J	In-Situ SV	50, 48, 42	
		1.00			In-Situ SV	64, 80, 70	
		1.20			In-Situ SV	55, 45, 56	
		1.60			In-Situ SV	22, 27, 27, 24	
...becoming soft below 1.80m		1.80			In-Situ SV	15, 16, 16	
Loose damp grey slightly silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)		2.00					
...with slow water seepage at 2.30m							▽
End of Trial Pit at 2.70m		2.70					

Remarks:

1.Trial pit sides collapsed below 2.30m.
2.Water encountered as slow seepage at 2.30m.
3.Trial pit backfilled with arisings upon completion.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** TP28
Date: 24/01/2025	**Approved:** PK		**Scale:** 1:20	

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SA1

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop stubble over dark brown clayey silty TOPSOIL (TOPSOIL)							
		0.40					
Firm orange-brown mottled light brown-grey slightly clayey SILT with rare clayey pockets (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	65, 80, 60	
		0.75			In-Situ SV	56, 70, 90	
		0.80	T1/J1/V1	D/J/V			
		1.00	LB1	B	In-Situ SV	40, 42, 38	
...becoming soft below 1.20m		1.20			In-Situ SV	20, 28, 24, 25	
End of Trial Pit at 1.40m		1.40			In-Situ SV	17, 15, 26	

Remarks:

1.Trial pit sides slightly unstable and partly collapsed.
2.No water encountered.
3.Trial pit backfilled with arisings upon completion of soakaway test.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** SA1
Date: 21/01/2025	**Approved:** PK		**Scale:** 1:15	

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SA2

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop stubble over dark brown clayey silty TOPSOIL (TOPSOIL)							
		0.40					
Firm orange0brown mottled grey slightly silty CLAY (TIDAL FLAT DEPOSITS)		0.50	SB1	B	In-Situ SV	100, 72, 80	
		0.70			In-Situ SV	60, 60, 86	
		0.80	T1/J1/V1	D/J/V			
		0.90					
Soft orange-brown mottled light brown-grey slightly clayey SILT with rare clayey pockets (TIDAL FLAT DEPOSITS)		1.00			In-Situ SV	20, 20, 26, 21, 20, 21	
End of Trial Pit at 1.00m							

Remarks:

1.Trial pit sides stable.
2.No water encountered.
3.Trial pit backfilled with arisings upon completion of soakaway test.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** SA2
Date: 21/01/2025	**Approved:** PK		**Scale:** 1:15	

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SA3

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.50					
Firm light brown mottled orange-brown and light grey slightly clayey SILT (TIDAL FLAT DEPOSITS)		0.60			In-Situ SV	60, 60, 58	
		0.80			In-Situ SV	56, 56, 66	
		1.00			In-Situ SV	68, 86, 92	
End of Trial Pit at 1.10m		1.10			In-Situ SV	74, 74, 72	

Remarks:

1.Trial pit sides stable.
2.No water encountered.
3.Trial pit backfilled with arisings upon completion of soakaway test.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample = Water Strike (m) = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** SA3
Date: 22/01/2025	**Approved:** PK		**Scale:** 1:15	

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SA4

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)		0.20	T1/J1	D/J			
Firm light brown mottled orange-brown slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.30					
		0.40			In-Situ SV	32, 43, 34	
...becoming soft below 0.60m		0.60			In-Situ SV	21, 29, 22	
		0.80			In-Situ SV	15, 28, 29	
...becoming sandy below 1.00m		1.00			In-Situ SV	18, 22, 11	
...with slow water seepage at 1.15m		1.15			In-Situ SV	11, 8, 10, 9, 9	▽
End of Trial Pit at 1.15m							

Remarks:

1.Trial pit sides stable.
2.Water encountered as slow seepage at 1.15m.
3.Trial pit backfilled with arisings upon completion of soakaway test.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** SA4
Date: 22/01/2025	**Approved:** PK		**Scale:** 1:15	

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SA5

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown clayey TOPSOIL (TOPSOIL)							
		0.35					
Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)							
		0.50			In-Situ SV	55, 56, 44	
...with rare light grey sandy silty clay pockets		0.60	T1/J1	D/J			
		0.70			In-Situ SV	57, 52, 42	
		0.90			In-Situ SV	30, 32, 31	
...becoming soft below 1.00m							
		1.10			In-Situ SV	16, 14, 13	
End of Trial Pit at 1.25m		1.25			In-Situ SV	23, 24, 26	

Remarks:

1.Trial pit sides stable.
2.No water encountered.
3.Trial pit backfilled with arisings upon completion of soakaway test.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project:			**Client:**	
Monks House Lane West, Spalding			**Seagate Homes**	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** SA5
Date: 23/01/2025	**Approved:** PK		**Scale:** 1:15	

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SA6

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Dark brown very clayey TOPSOIL (TOPSOIL)							
		0.40					
Firm orange-brown mottled light brown and light grey slightly clayey SILT with occasional clay pockets (TIDAL FLAT DEPOSITS)		0.50			In-Situ SV	54, 71, 46	
...with a thin band of dark grey clay with wood fragments and a slight odour at 0.60m		0.70			In-Situ SV	65, 68, 44	
		0.80	SB1	B			
		0.90			In-Situ SV	62, 60, 61	
End of Trial Pit at 1.10m		1.10			In-Situ SV	65, 69, 62	

Remarks:

1.Trial pit sides stable.
2.No water encountered.
3.Trial pit backfilled with arisings upon completion of soakaway test.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** SA6
Date: 23/01/2025	**Approved:** PK		**Scale:** 1:15	

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SA7

Project No: D44118

Sheet 1 of 1

Description of Strata	Legend	Depth (m)	Sample Ref	Sample Type	Field Test Type	Field Test Result	Ground-water
Crop stubble over dark brown clayey TOPSOIL (TOPSOIL)							
		0.40					
Firm orange-brown and light brown slightly sandy SILT (TIDAL FLAT DEPOSITS)							
		0.60			In-Situ SV	34, 42, 70, 54	
		0.80			In-Situ SV	40, 34, 50	
		1.00			In-Situ SV	40, 40, 58	
		1.20			In-Situ SV	48, 48, 34	
...becoming soft below 1.40m		1.40			In-Situ SV	22, 19, 21	
End of Trial Pit at 1.40m							

Remarks:

1.Trial pit sides stable.
2.No water encountered.
3.Trial pit backfilled with arisings upon completion of soakaway test.

Key: B = Bulk Sample D = Disturbed Sample W = Water Sample SV = Shear Vane (kN/m2) P = Penetrometer (kN/m2)
J = Jar Sample V = Vial Sample ▽ = Water Strike (m) ▼ = Steady Water Level (m)

Project: Monks House Lane West, Spalding			**Client:** Seagate Homes	
Logged: TPA	**Checked:** RS	**Field Book Ref:** TPA24/01	**Plant:** JCB 3CX	**Drawing No.** SA7
Date: 24/01/2025	**Approved:** PK		**Scale:** 1:15	

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WS1

Project No. D44118

Sheet 1 of 1

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
				Grass over dark brown clayey TOPSOIL (TOPSOIL)		(0.45)			
				Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)		0.45			
				...becoming damp below 0.70m					
				...becoming sandy below 0.90m					
				...with slow water seepage at 1.00m		(1.45)			
				...with thin sandy clay bands between 1.85m to 1.90m		1.90			
				Loose wet grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)					
				...becoming wet at 2.00m					
				...becoming slightly silty below 2.70m					
				...becoming fine to coarse grained sand below 3.00m		(2.10)	3.00		
				End of Borehole at 4.00m		4.00			

Remarks

1.Borehole cased to 3.00m.
2.Water encountered as slow seepage at 1.00m and at 2.00m.
3.Borehole terminated at 4.00m.
4.Borehole backfilled with arisings upon completion.

Key

D = Disturbed Sample
U = Undisturbed Sample
B = Bulk Sample
J = Jar Sample
V = Vial Sample
W = Water Sample
S = Standard Penetration Test (Split Spoon)
C = Standard Penetration Test (Cone)
▽ = Water Strike (m)
▼ = Steady Water Level (m)

Project:	Monks House Lane West, Spalding			**Client:**	Seagate Homes		
Logged:	TPA	**Checked:**	RS	**Field Book Ref:**	**Plant:**	Competitor Rig	**Drawing Ref:**
Date:	27/01/2025	**Approved:**	PK	TPA24/01	**Scale:**	1:25	WS1

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WS2

Project No. D44118

Sheet 1 of 1

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
				Grass over soft brown mottled dark grey, black and dark brown gravelly clay. Gravel is predominantly angular to subangular fine to coarse clinker, brick, concrete and coal (MADE GROUND)					
0.40	D/J/V	T1/J1/V1				(1.20)			
				...becoming grey below 0.80m					
						1.20			
				Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)					
1.50	D/J	T2/J2				(1.30)			
2.00	B	SB1		...becoming sandy below 2.00m ...becoming wet below 2.00m				▽	
						2.50			
				Loose wet grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)			3.00		
						(1.50)			
				...becoming slightly silty and fine to coarse grained sand below 3.50m					
						4.00			
				End of Borehole at 4.00m					

Remarks

1.Borehole cased to 3.00m.
2.Water encountered as slow seepage at 2.00m.
3.Borehole terminated at 4.00m.
4.Borehole backfilled with arisings upon completion.

Key

D = Disturbed Sample
U = Undisturbed Sample
B = Bulk Sample
J = Jar Sample
V = Vial Sample
W = Water Sample
S = Standard Penetration Test (Split Spoon)
C = Standard Penetration Test (Cone)
▽ = Water Strike (m)
▼ = Steady Water Level (m)

Project:	Monks House Lane West, Spalding			**Client:**	Seagate Homes		
Logged:	TPA	**Checked:**	RS	**Field Book Ref:**	**Plant:**	Competitor Rig	**Drawing Ref:**
Date:	27/01/2025	**Approved:**	PK	TPA24/01	**Scale:**	1:25	WS2

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WS3

Project No. D44118

Sheet 1 of 1

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
				Concrete (MADE GROUND)		0.14			
				Gravel and cobbles of concrete with dark brown gravelly clay and silty sand (MADE GROUND) ...no recovery between 0.40m to 2.00m due to concrete cobbles		(1.86)			
				...concrete cobbles being pushed down to 2.00m					
				End of Borehole at 2.00m		2.00			

Remarks

1.Borehole sides stable.
2.No water encountered.
3.Borehole terminated at 2.00m due to cobble obstruction.
4.Borehole backfilled with arisings upon completion.

Key

D = Disturbed Sample
U = Undisturbed Sample
B = Bulk Sample
J = Jar Sample
V = Vial Sample
W = Water Sample
S = Standard Penetration Test (Split Spoon)
C = Standard Penetration Test (Cone)
▽ = Water Strike (m)
▼ = Steady Water Level (m)

Project:	Monks House Lane West, Spalding			**Client:**	Seagate Homes		
Logged:	TPA	**Checked:**	RS	**Field Book Ref:**	**Plant:**	Competitor Rig	**Drawing Ref:**
Date:	27/01/2025	**Approved:**	PK	TPA24/01	**Scale:**	1:25	WS3

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WS4

Project No. D44118

Sheet 1 of 1

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
				Grass over dark brown clay (MADE GROUND)		0.10			
				Loose grey sandy angular to subangular fine to coarse gravel of concrete and brick with occasional cobble (MADE GROUND)		(0.30)			
						0.40			
0.50	D/J/V	T1/J1/V1		Soft dark brown mottled dark grey and black gravelly clay. Gravel is predominantly angular to subangular fine to coarse brick and clinker (MADE GROUND)		(0.40)			
						0.80			
				Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS)					
				...becoming sandy below 1.40m					
				...becoming wet below 1.70m		(1.70)			
2.00	B	SB1							
						2.50			
				Loose to medium dense light brown fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...becoming slightly silty between 2.50m to 2.70m		(1.00)	3.00		
						3.50			
				Very soft grey slightly silty slightly sandy CLAY (TIDAL FLAT DEPOSITS)		(0.50)			
4.00	D	T2		End of Borehole at 4.00m		4.00			

Remarks

1.Borehole cased to 3.00m.
2.Water encountered as slow seepage at 1.70m.
3.Borehole terminated at 4.00m.
4.Borehole backfilled with arisings upon completion.

Key

D = Disturbed Sample
U = Undisturbed Sample
B = Bulk Sample
J = Jar Sample
V = Vial Sample
W = Water Sample
S = Standard Penetration Test (Split Spoon)
C = Standard Penetration Test (Cone)
▽ = Water Strike (m)
▼ = Steady Water Level (m)

Project:	Monks House Lane West, Spalding			**Client:**	Seagate Homes		
Logged:	TPA	**Checked:**	RS	**Field Book Ref:**	**Plant:**	Competitor Rig	**Drawing Ref:**
Date:	27/01/2025	**Approved:**	PK	TPA24/01	**Scale:**	1:25	WS4

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WS5

Project No. D44118

Sheet 1 of 1

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
				Grass over dark brown clay (MADE GROUND)		0.20			
				Firm brown gravelly clay. Gravel is predominantly angular to subangular fine to coarse concrete, brick, coal and clinker (MADE GROUND)		(0.70)			
0.50	D/J/V	T1/J1/V1				0.90			
				Soft green-grey mottled black CLAY with a slight organic odour (TIDAL FLAT DEPOSITS)					
1.20	B	SB1				(0.80)			
1.50	D/J	T2/J2				1.70			
				Loose to medium dense grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS)					
				...becoming wet at 2.20m		(1.60)			
							3.00		
				Loose to medium dense wet light brown fine to coarse grained SAND (TIDAL FLAT DEPOSITS)		3.30			
						(0.70)			
				End of Borehole at 4.00m		4.00			

Remarks

1.Borehole cased to 3.00m.
2.Water encountered as slow seepage at 2.20m.
3.Borehole terminated at 4.00m.
4.Borehole backfilled with arisings upon completion.

Key

D = Disturbed Sample
U = Undisturbed Sample
B = Bulk Sample
J = Jar Sample
V = Vial Sample
W = Water Sample
S = Standard Penetration Test (Split Spoon)
C = Standard Penetration Test (Cone)
▽ = Water Strike (m)
▼ = Steady Water Level (m)

Project:	Monks House Lane West, Spalding			**Client:**	Seagate Homes		
Logged:	TPA	**Checked:**	RS	**Field Book Ref:**	**Plant:**	Competitor Rig	**Drawing Ref:**
Date:	27/01/2025	**Approved:**	PK	TPA25/01	**Scale:**	1:25	WS5

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WS6

Project No. D44118

Sheet 1 of 1

Samples and Tests				Description of Strata	Legend	Depth & (Thickness) (m)	Casing (m)	Ground-water	Installation
Depth (m)	Type	Sample Ref	SPT "N" Value						
				Concrete (MADE GROUND)		0.12			
0.25	D/J/V	T1/J1/V1		Firm dark brown gravelly sandy clay. Gravel is predominantly angular to subangular fine to coarse clinker and concrete (MADE GROUND)		0.40			
0.60	D/J	T2/J2		Firm light brown mottled orange-brown and light grey slightly sandy SILT (TIDAL FLAT DEPOSITS) ...becoming clayey between 0.40m to 0.90m ...becoming soft, sandy and wet below 1.50m		(2.10)		▽	
				Loose to medium dense grey silty fine to medium grained SAND (TIDAL FLAT DEPOSITS) ...becoming fine to coarse grained sand below 3.00m		2.50 (1.50)	3.00		
				End of Borehole at 4.00m		4.00			

Remarks

1.Borehole cased to 3.00m.
2.Water encountered as slow seepage at 1.50m.
3.Borehole terminated at 4.00m.
4.Borehole backfilled with arisings upon completion.

Key

D = Disturbed Sample
U = Undisturbed Sample
B = Bulk Sample
J = Jar Sample
V = Vial Sample
W = Water Sample
S = Standard Penetration Test (Split Spoon)
C = Standard Penetration Test (Cone)
▽ = Water Strike (m)
▼ = Steady Water Level (m)

Project:	Monks House Lane West, Spalding			**Client:**	Seagate Homes		
Logged:	TPA	**Checked:**	RS	**Field Book Ref:**	**Plant:**	Competitor Rig	**Drawing Ref:**
Date:	27/01/2025	**Approved:**	PK	TPA25/01	**Scale:**	1:25	WS6

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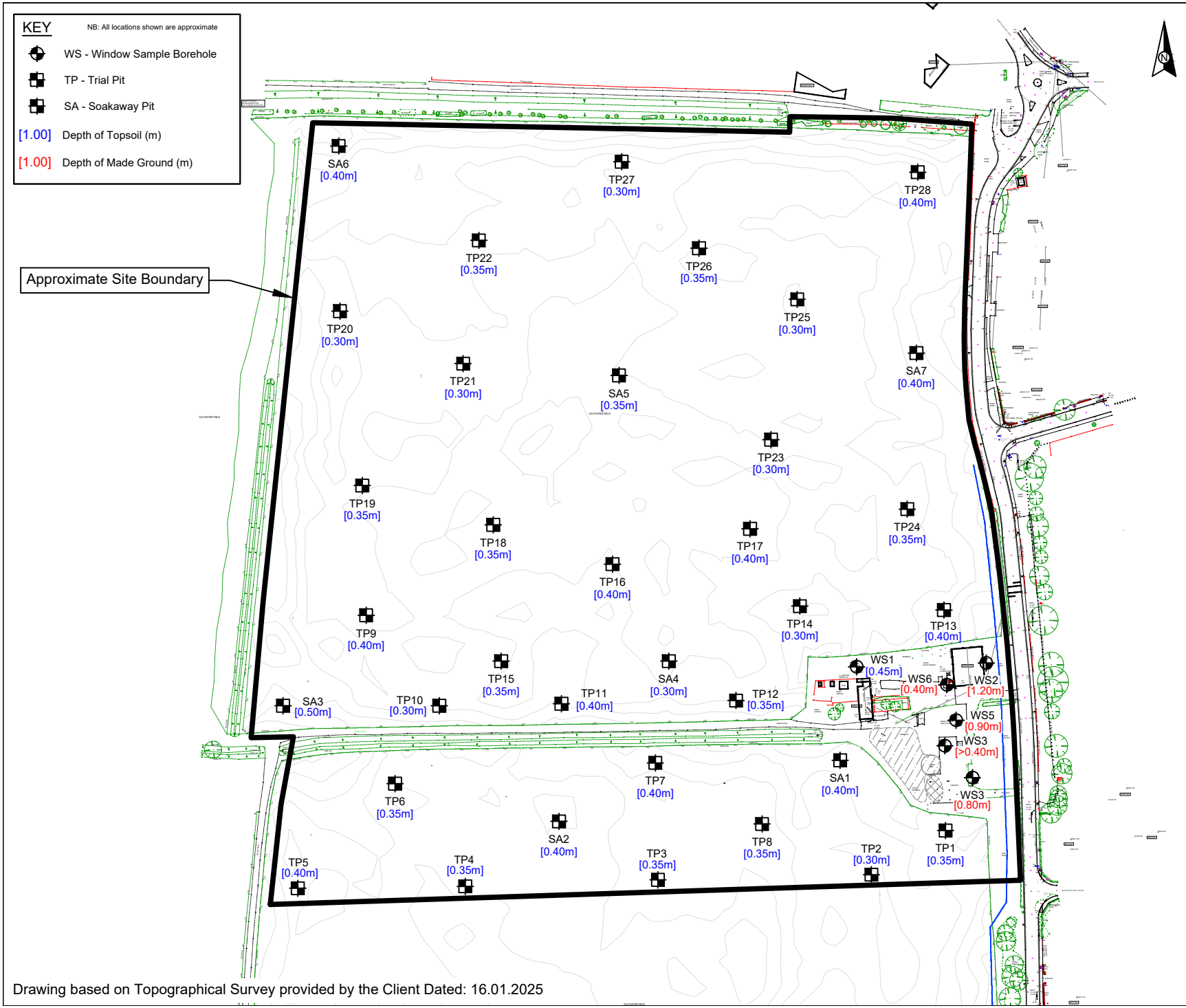
APPENDIX XI

Plan Showing Thickness of Topsoil and Depth to Base of Made Ground (Figure No. D44118/09)



Drawing based on Topographical Survey provided by the Client Dated: 16.01.2025

Project No.	D44118
Client	Seagate Homes
Project	Monks House Lane West, Spalding
Title	Exploratory Hole Location Plan Showing Depth of Topsoil or Made Ground
Drawn By	ACH
Checked By	RS
Approved By	PK
Scale	NTS
Date Drawn	30/01/2025
Revision	
Figure No.	D44118/09

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APPENDIX XII

Plates

Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Cottages, Warehouse and Stockpiles	Revision	
		Figure No.	D44118/P1

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Arisings from Exploratory Holes WS1 and WS2	Revision	
		Figure No.	D44118/P2

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Arisings from Exploratory Holes WS3 and WS4	Revision	
		Figure No.	D44118/P3

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Arisings from Exploratory Holes WS5 and WS6	Revision	
		Figure No.	D44118/P4

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP1 and Arisings	Revision	
		Figure No.	D44118/P5

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP2 and Arisings	Revision	
		Figure No.	D44118/P6

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP3 and Arisings	Revision	
		Figure No.	D44118/P7

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP4 and Arisings	Revision	
		Figure No.	D44118/P8

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP5 and Arisings	Revision	
		Figure No.	D44118/P9

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP6 and Arisings	Revision	
		Figure No.	D44118/P10

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP7 and Arisings	Revision	
		Figure No.	D44118/P11

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP8 and Arisings	Revision	
		Figure No.	D44118/P12

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Project No.	D44118	Drawn By	ACH
Client	Seagate Homes	Checked By	RS
		Approved By	PK
Project	Monks House Lane West, Spalding	Scale	NTS
		Date Drawn	30/01/2025
Title	Views of Exploratory Hole TP9 and Arisings	Revision	
		Figure No.	D44118/P13

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