

A46 Newark Bypass

TR010065/APP/6.3

6.3 Environmental Statement

Appendix 9.1 A46 Newark Northern Bypass Preliminary Sources Study Report Part 3

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009

Volume 6

April 2024

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009**

A46 Newark Bypass

Development Consent Order 202[x]

ENVIRONMENTAL STATEMENT

**APPENDIX 9.1 A46 NEWARK NORTHERN BYPASS PRELIMINARY
SOURCES STUDY REPORT**

PART 3

Regulation Number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010065
Application Document Reference	TR010065/APP/6.3
Author:	A46 Newark Bypass Project Team, National Highways

Version	Date	Status of Version
Rev 1	April 2024	DCO Application

A46 Newark Northern Bypass Preliminary Sources Study Report HAGDMS No: 32224 09/02/21

Status: A1 APPROVED - PUBLISHED

Document Ref: HE551478-ATK-HGT-XX_A46-PC-CE-000001

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Document history

Job number: HE551478			Document ref: HE551478-ATK-HGT-XX_A46-PC-CE-000001				
Revision	Status	Purpose description	Originated	Checked	Reviewed	Authorised	Date
C03	A1	For Issue	JB	CT	JE	ADK	09/02/21
C02	A1	For Consultation	JB	CT	JE	ADK	08/02/21
C01	A1	For consultation	AD	EN	JE	ADK	27/11/20

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General

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

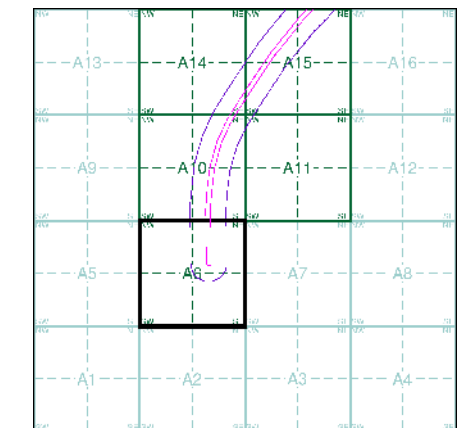
Historical Building Plans

- Area Cleared due to Enemy Action
- ▲ Asbestos
- ▲ Above Ground Fuel Tanks
- ▲ Benzene/Benzole/Naphtha, Naphthalene/Kerosene
- ▲ Electricity Generation
- ▲ Electricity Sub-Stations
- ▲ Gas Industry
- ▲ Gas Storage
- ▲ Gas Use
- ▲ Oil Industry
- ▲ Oil Storage
- ▲ Oil Use
- ▲ Paint based Oils
- ▲ Paraffin
- ▲ Petrol and Diesel Industry
- ▲ Petrol and Diesel Storage
- ▲ Petrol and Diesel Use
- ▲ Potential Fuel Gas
- ▲ Potential Fuel Oil
- ▲ Potential Fuel Use
- ▲ Potential Petrol and Diesel
- ▲ Potential Tanks
- ▲ Potentially Fuel-related Tanks
- ▲ Underground Fuel Tanks

Historical Tanks and Energy Facilities

- Ⓟ Electrical Sub Station Facility
- Ⓧ Electricity Industry Facility
- Ⓧ Gas Industry Facility
- Ⓧ Gas Monitoring Facility
- Ⓧ Miscellaneous Power Facility
- Ⓧ Oil Industry Facility
- Ⓧ Petroleum Storage Facility
- Ⓧ Potential Tank
- Ⓧ Tank

Historical Data Report - Segment A6

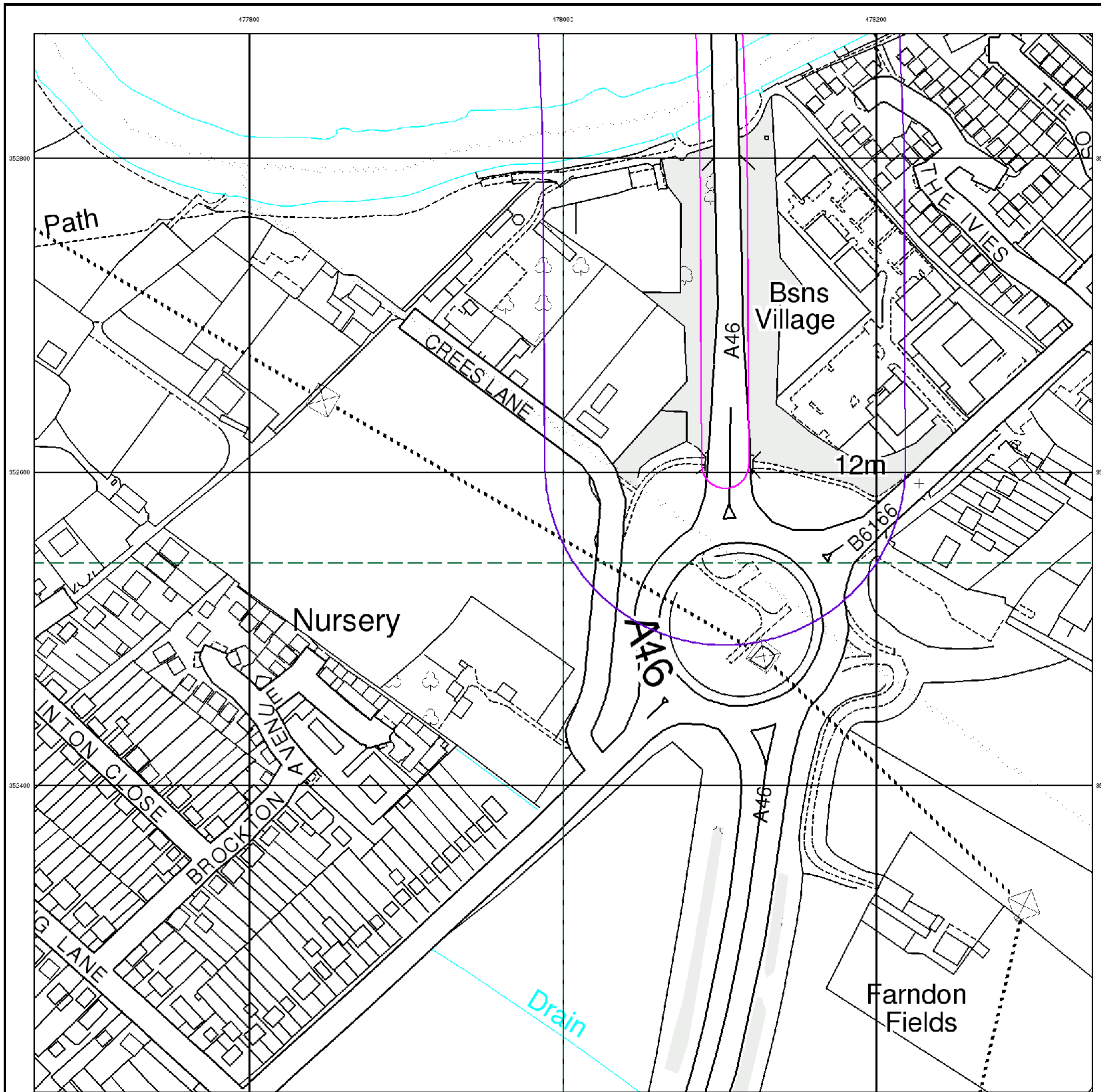


Order Details

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 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Plot Buffer (m): 100

Site Details

A46, Newark, NG24 2PG



General

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

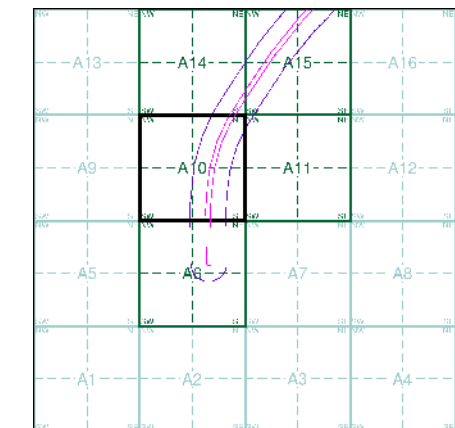
Historical Building Plans

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- ▲ Asbestos
- ▲ Above Ground Fuel Tanks
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- ▲ Paint based Oils
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- ▲ Petrol and Diesel Industry
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- ▲ Potential Fuel Oil
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- ▲ Potential Petrol and Diesel
- ▲ Potential Tanks
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- ▲ Underground Fuel Tanks

Historical Tanks and Energy Facilities

- Electrical Sub Station Facility
- Electricity Industry Facility
- Gas Industry Facility
- Gas Monitoring Facility
- Miscellaneous Power Facility
- Oil Industry Facility
- Petroleum Storage Facility
- Potential Tank
- Tank

Historical Data Report - Segment A10

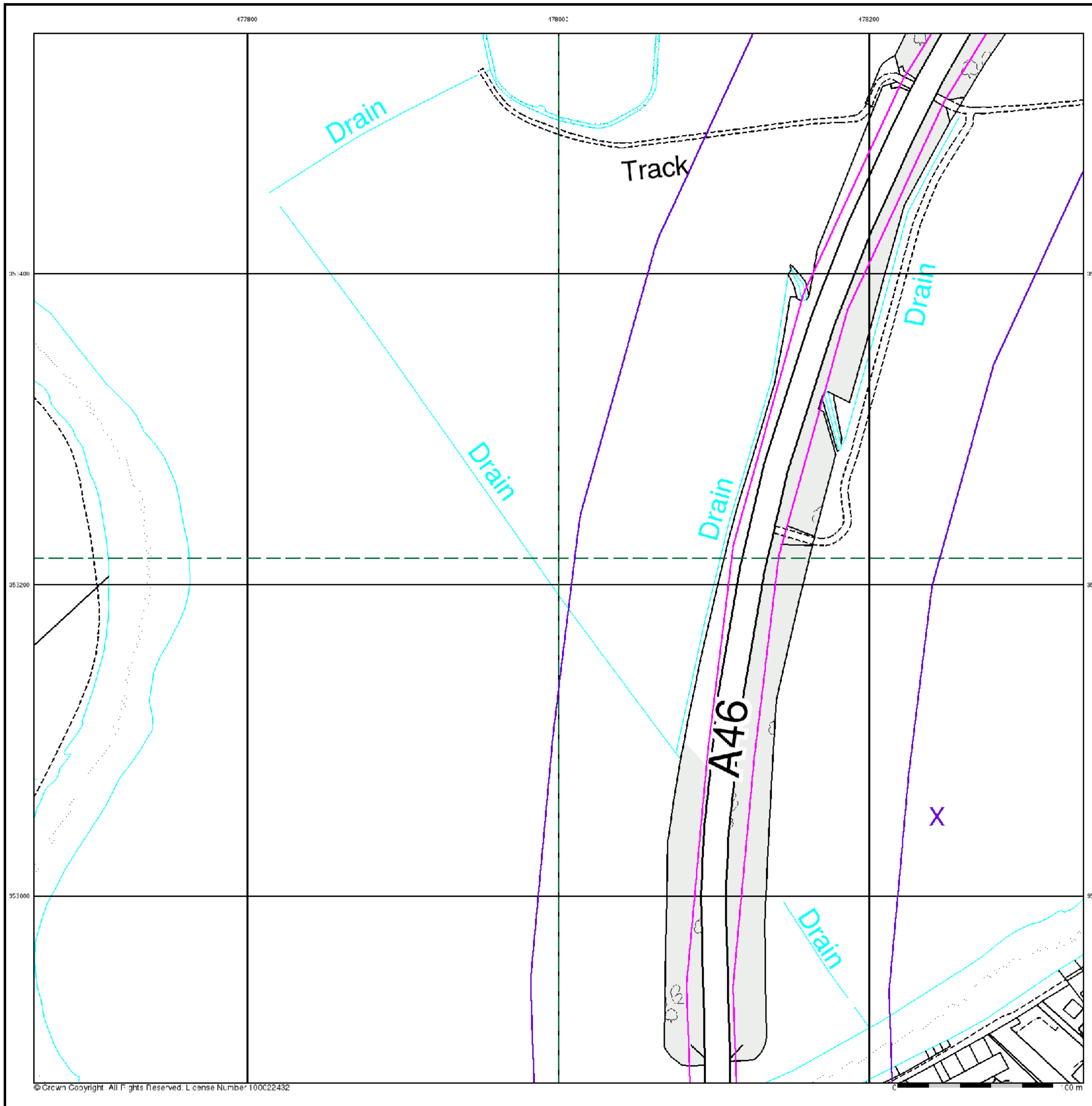


Order Details

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 Plot Buffer (m): 100

Site Details

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General

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

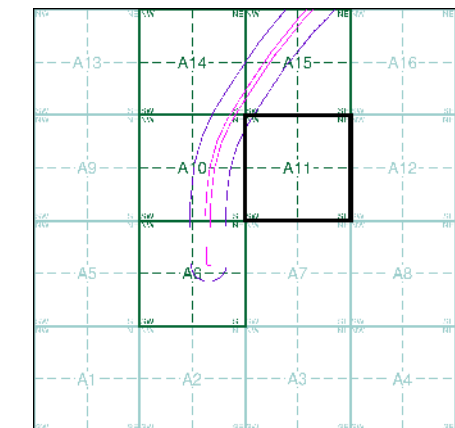
Historical Building Plans

- Area Cleared due to Enemy Action
- Asbestos
- Above Ground Fuel Tanks
- Benzene/Benzole/Naphtha, Naphthalene/Kerosene
- Electricity Generation
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Historical Tanks and Energy Facilities

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- Gas Industry Facility
- Gas Monitoring Facility
- Miscellaneous Power Facility
- Oil Industry Facility
- Petroleum Storage Facility
- Potential Tank
- Tank

Historical Data Report - Segment A11



Order Details

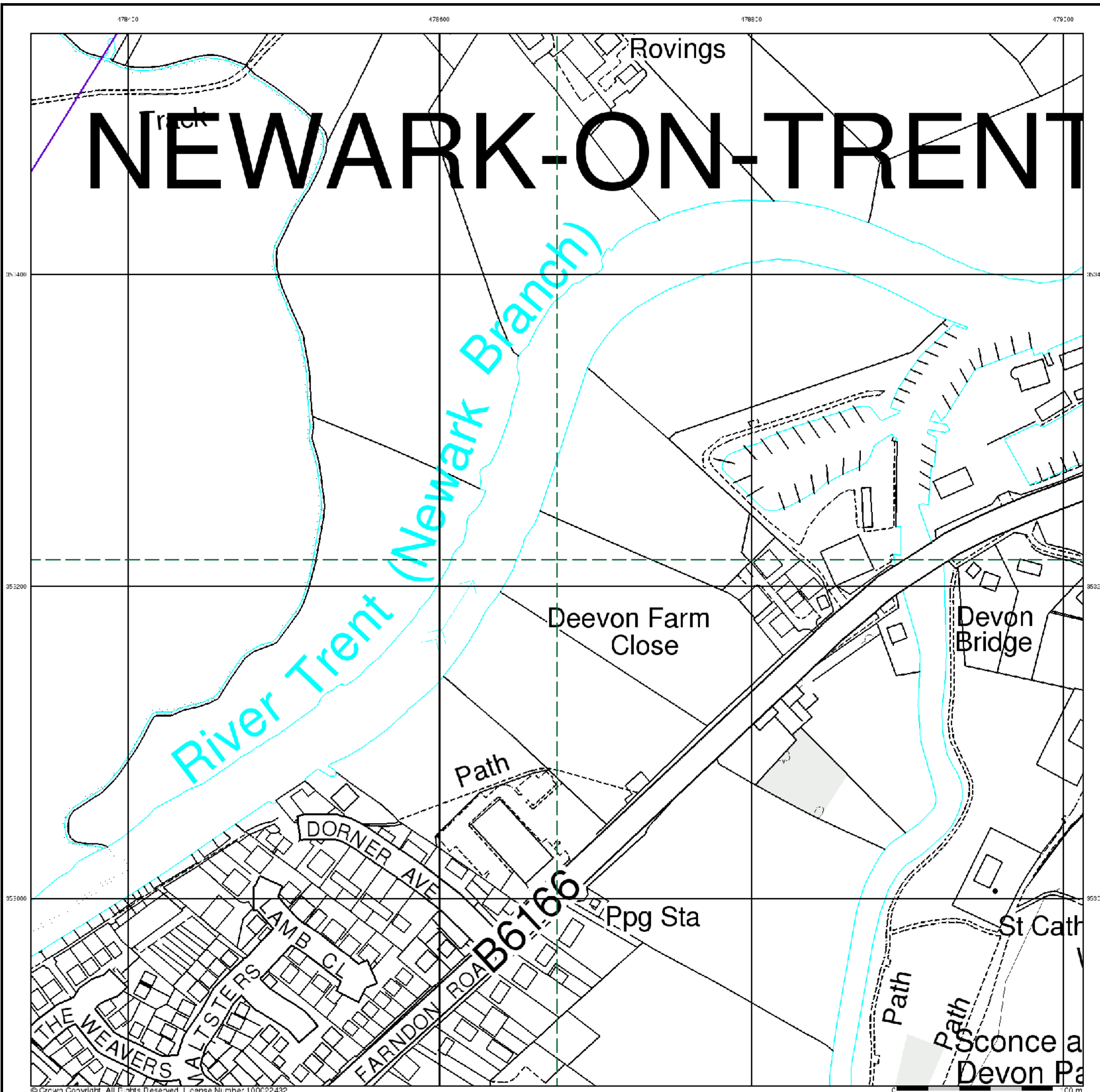
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 Plot Buffer (m): 100

Site Details

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General

- Specified Site
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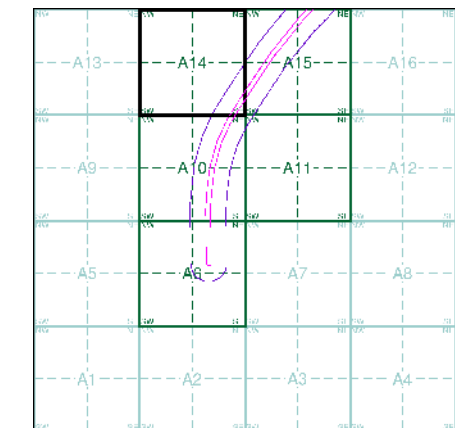
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Historical Tanks and Energy Facilities

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- Gas Industry Facility
- Gas Monitoring Facility
- Miscellaneous Power Facility
- Oil Industry Facility
- Petroleum Storage Facility
- Potential Tank
- Tank

Historical Data Report - Segment A14

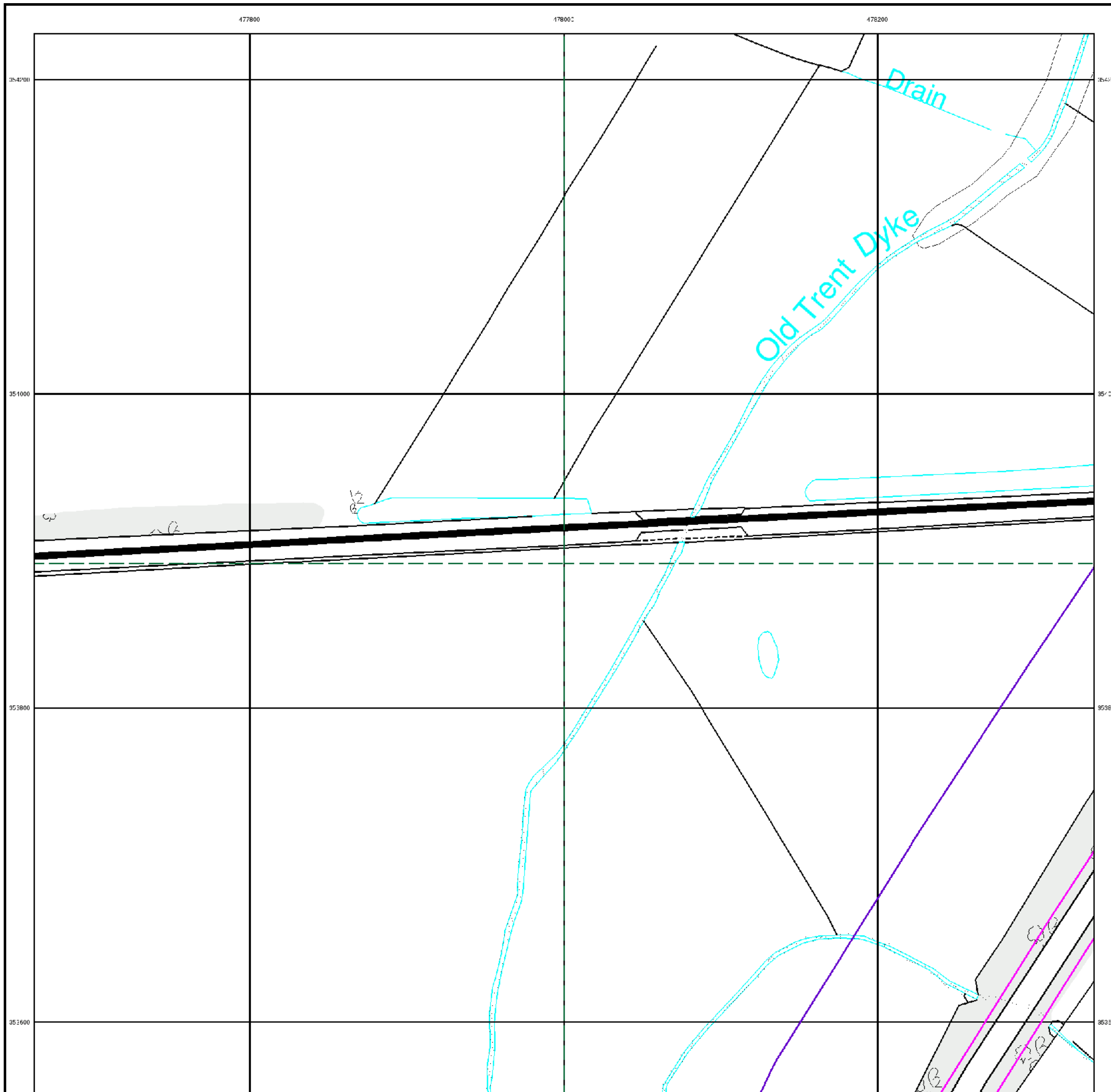


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Site Details

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General

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

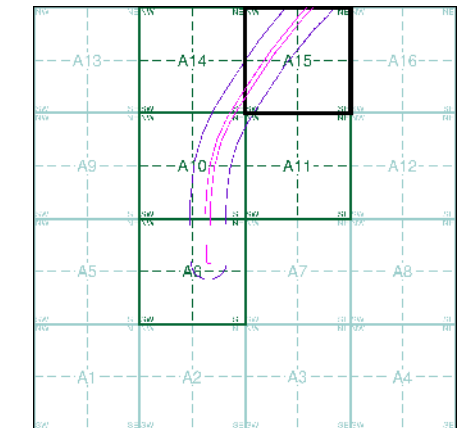
Historical Building Plans

- Area Cleared due to Enemy Action
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Historical Data Report - Segment A15

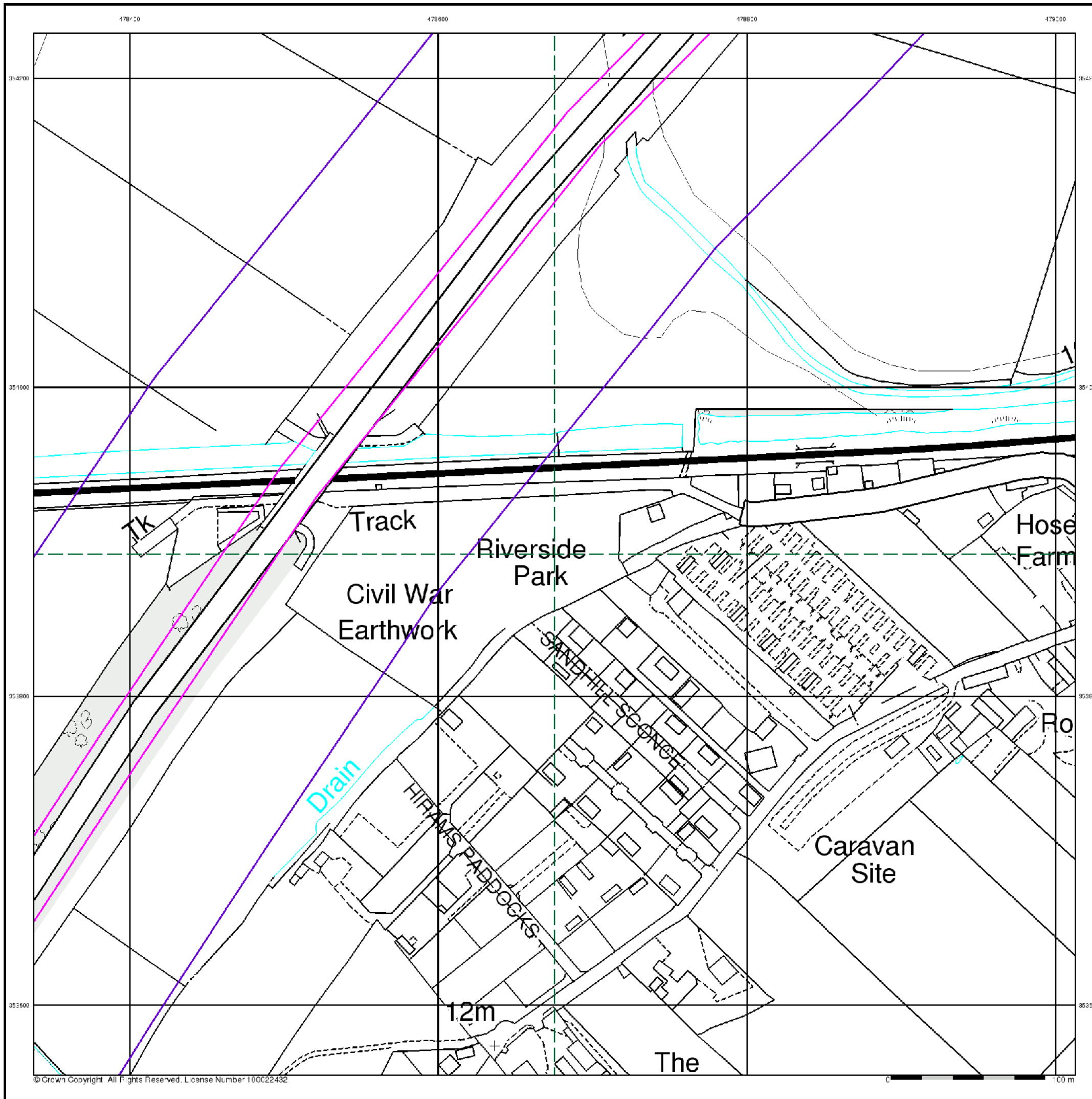


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Site Details

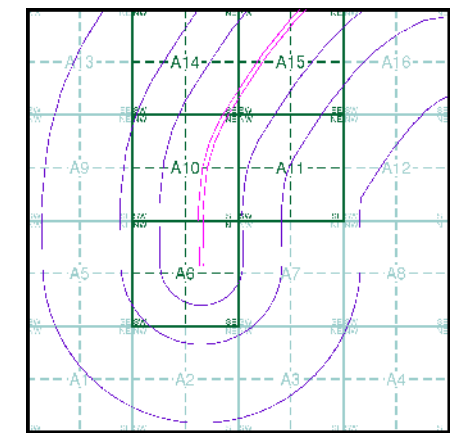
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Historical Building Plans**
- Area Cleared due to Enemy Action
- Historical Land Use**
- Former Marsh
 - Historical Flood Liability
 - Historical Flood Liability (Location)
 - Potentially Contaminative Industrial Use (Past Land Use)
 - Potentially Contaminative Industrial Use (Past Land Use) (Linear)
 - Potentially Contaminative Industrial Use (Past Land Use) (Location)
 - Potentially Infilled Land (Non-Water)
 - Potentially Infilled Land (Non-Water) (Linear)
 - Potentially Infilled Land (Non-Water) (Location)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water) (Linear)
 - Potentially Infilled Land (Water) (Location)

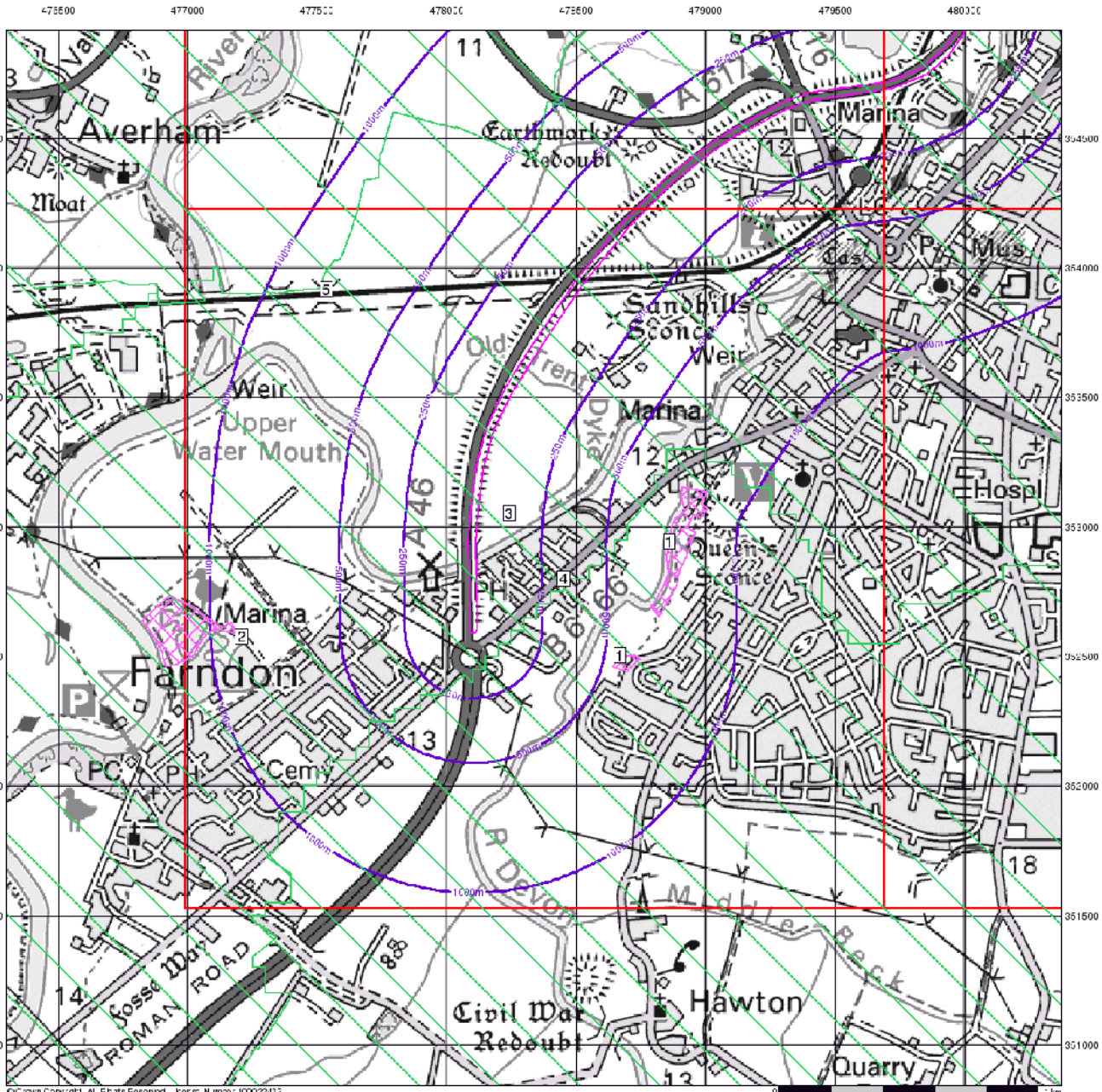
Historical Data Report - Slice Map A



Order Details

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Ecology

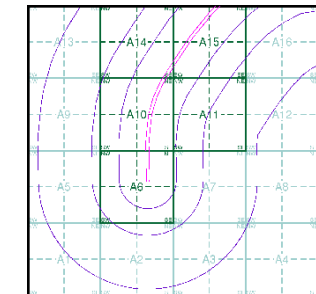
General

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

Ecology

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Outstanding Natural Beauty
- Area of Unadopted Green Belt
- Country Parks
- 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

Ecology - Slice A



Order Details

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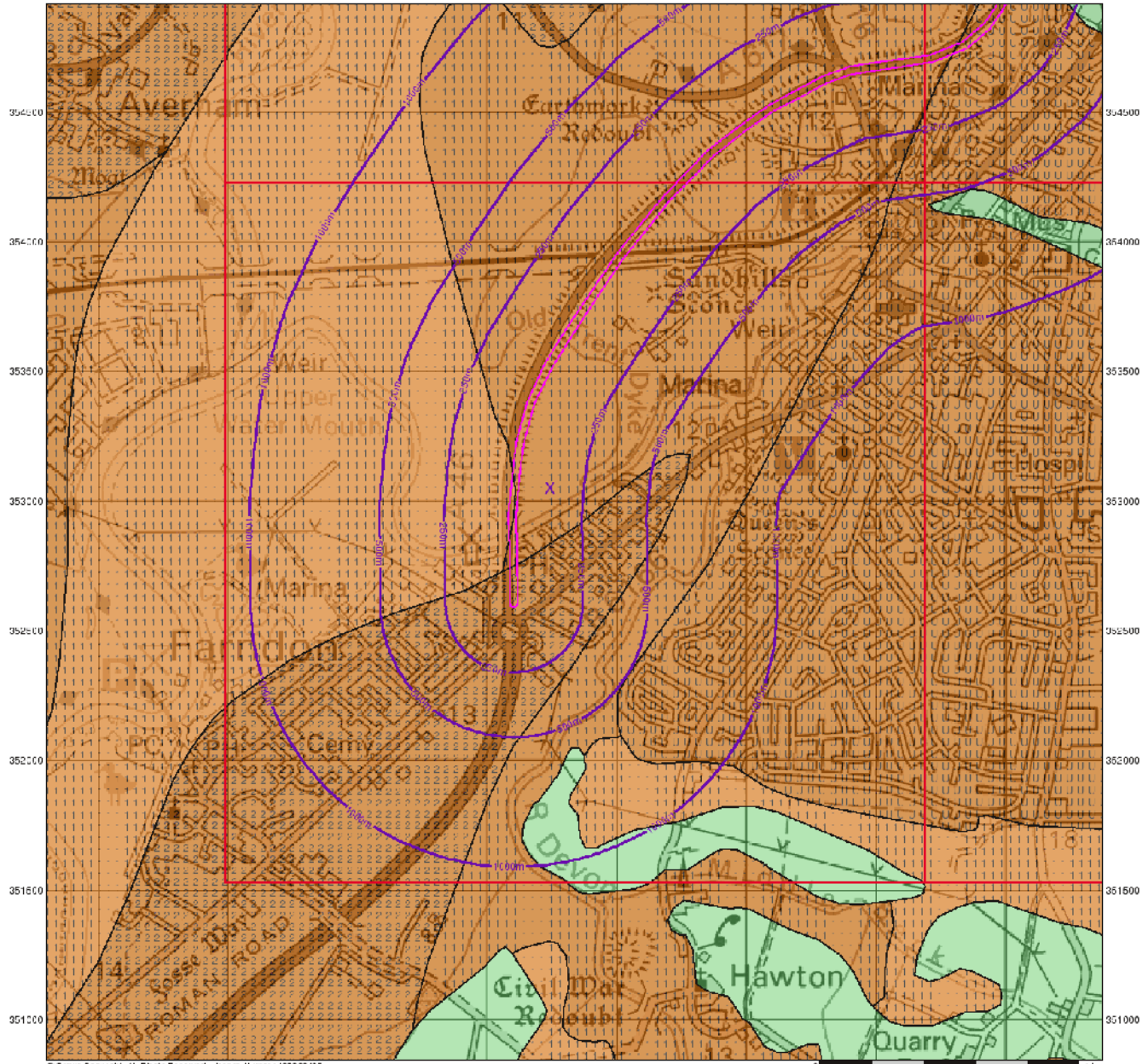
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Water and Hydrology

General

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

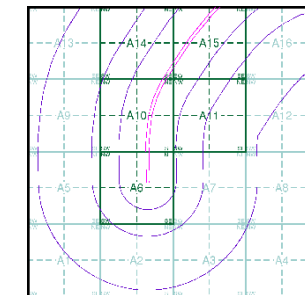
Groundwater Vulnerability

Geological Classes

- | | | |
|---|--|-----------------------|
| Major Aquifer
(Highly Permeable) | | High (H) 1, 2, 3, U |
| | | Intermediate (I) 1, 2 |
| | | Low |
| Minor Aquifer
(Variably Permeable) | | High (H) 1, 2, 3, U |
| | | Intermediate (I) 1, 2 |
| | | Low |
| Non Aquifer
(Negligibly Permeable) | | |
| Water or Sea | | |
| Drift Deposit | | |

Soil Classes

Groundwater Vulnerability - Slice A



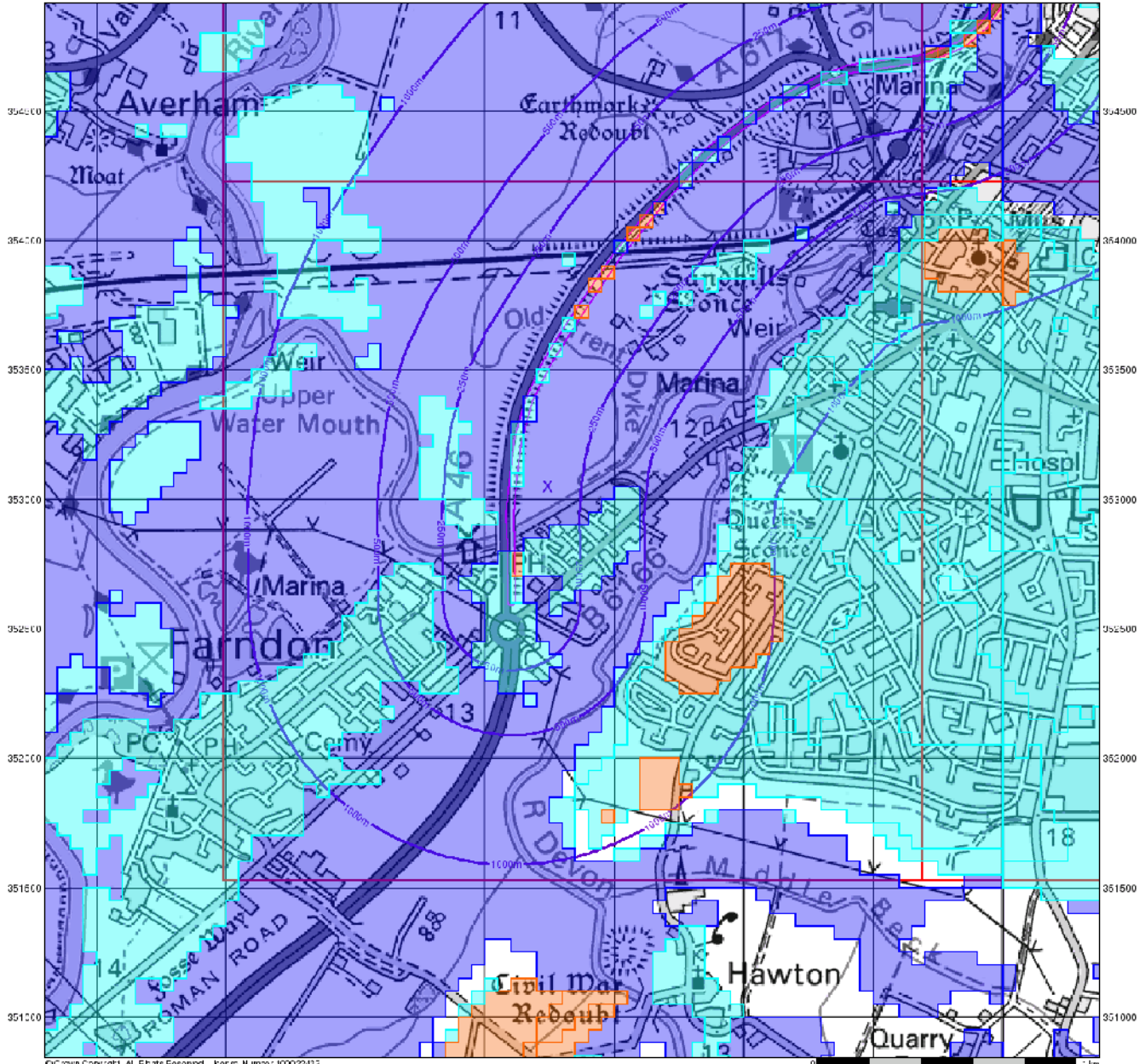
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Site Details

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Water and Hydrology

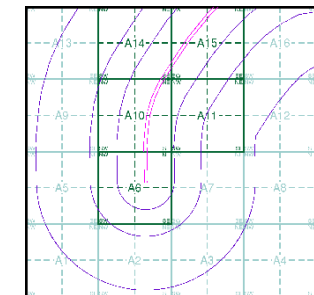
General

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

Groundwater Flooding Susceptibility

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

Groundwater Flooding Susceptibility - Slice A



Order Details

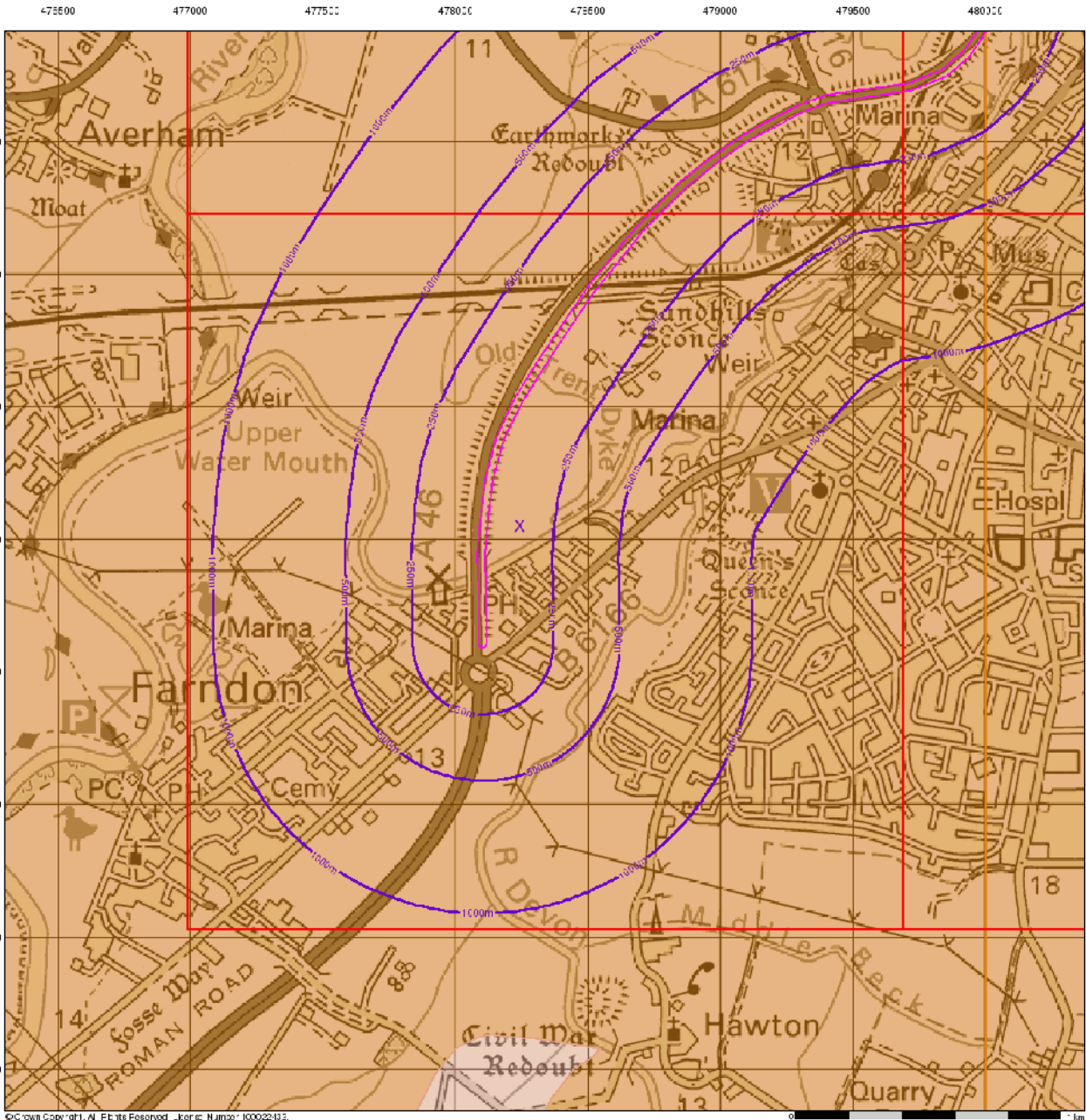
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 Search Buffer (m): 1000

Site Details

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Water and Hydrology

General

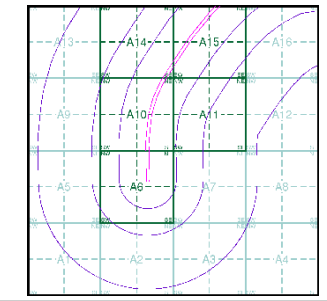
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Bedrock Aquifer Designations

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Bedrock Aquifer Designations - Slice A



Order Details

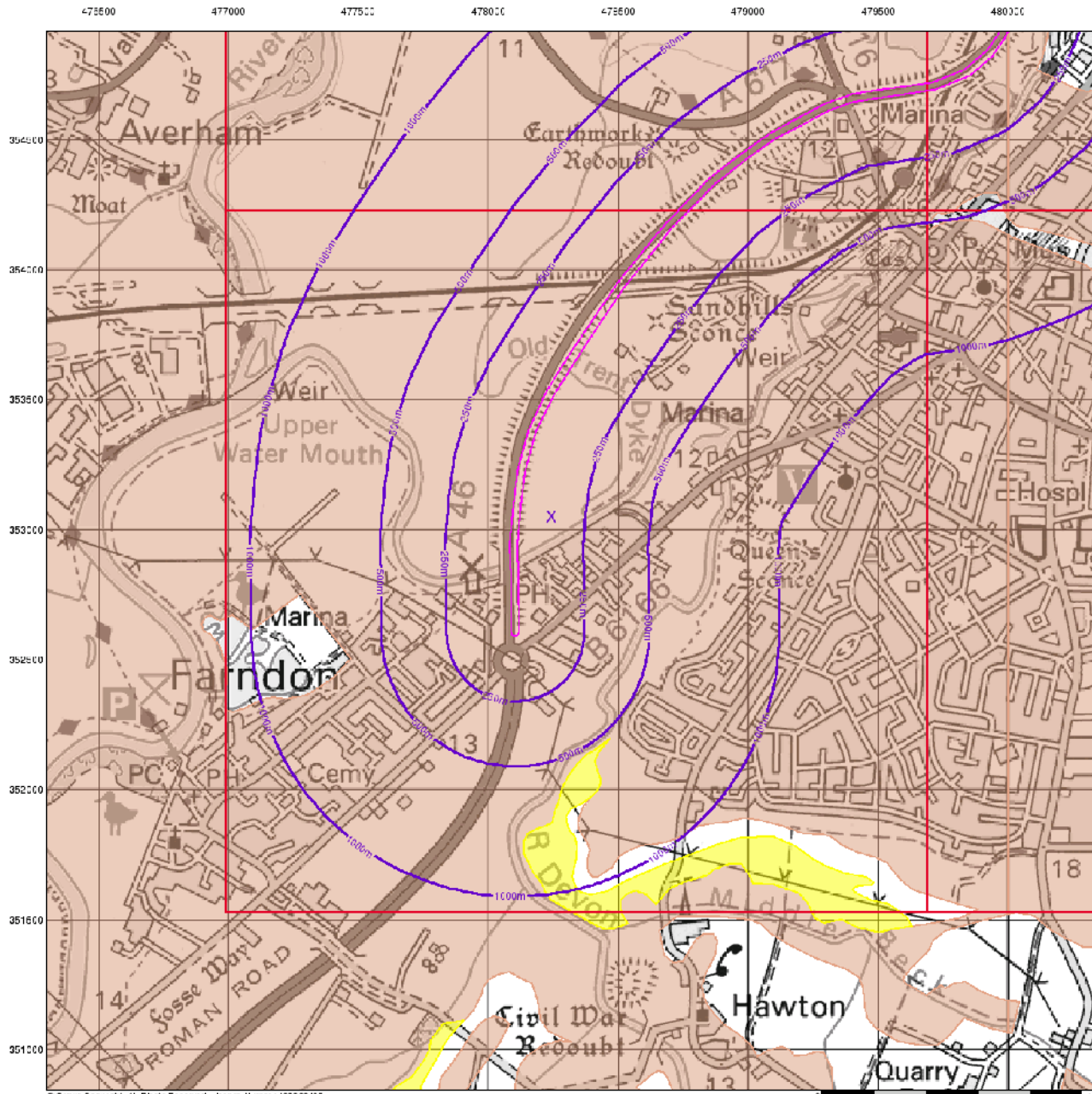
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 Search Buffer (m): 1000

Site Details

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Water and Hydrology

General

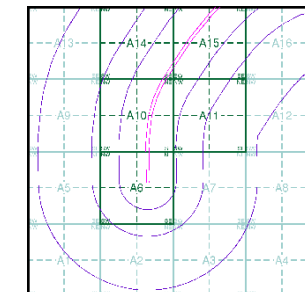
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Superficial Aquifer Designations

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Superficial Aquifer Designations - Slice A



Order Details

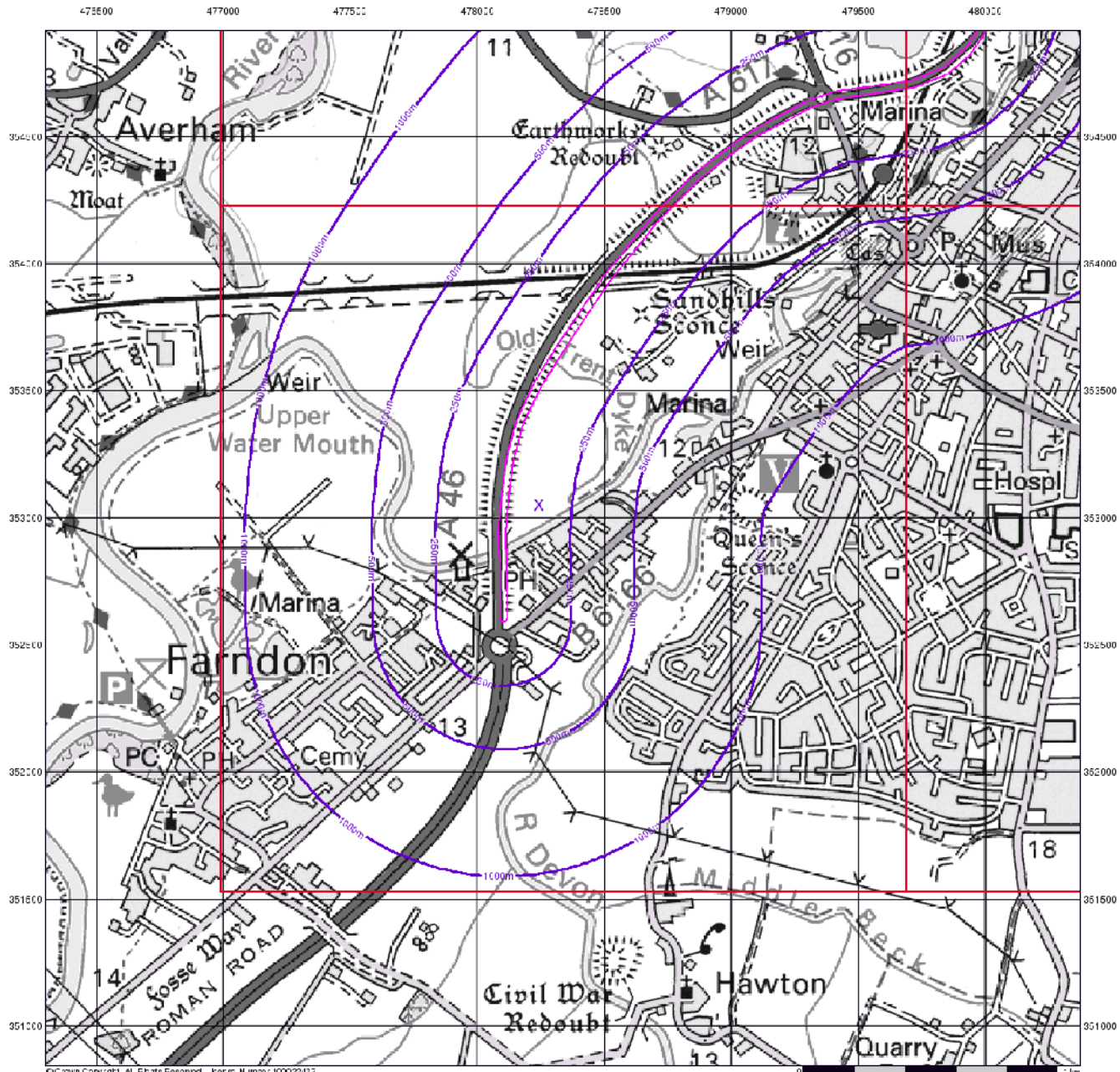
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Site Details

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Water and Hydrology

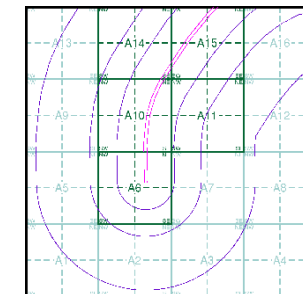
General

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

Source Protection Zones

- 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)

Source Protection Zones - Slice A



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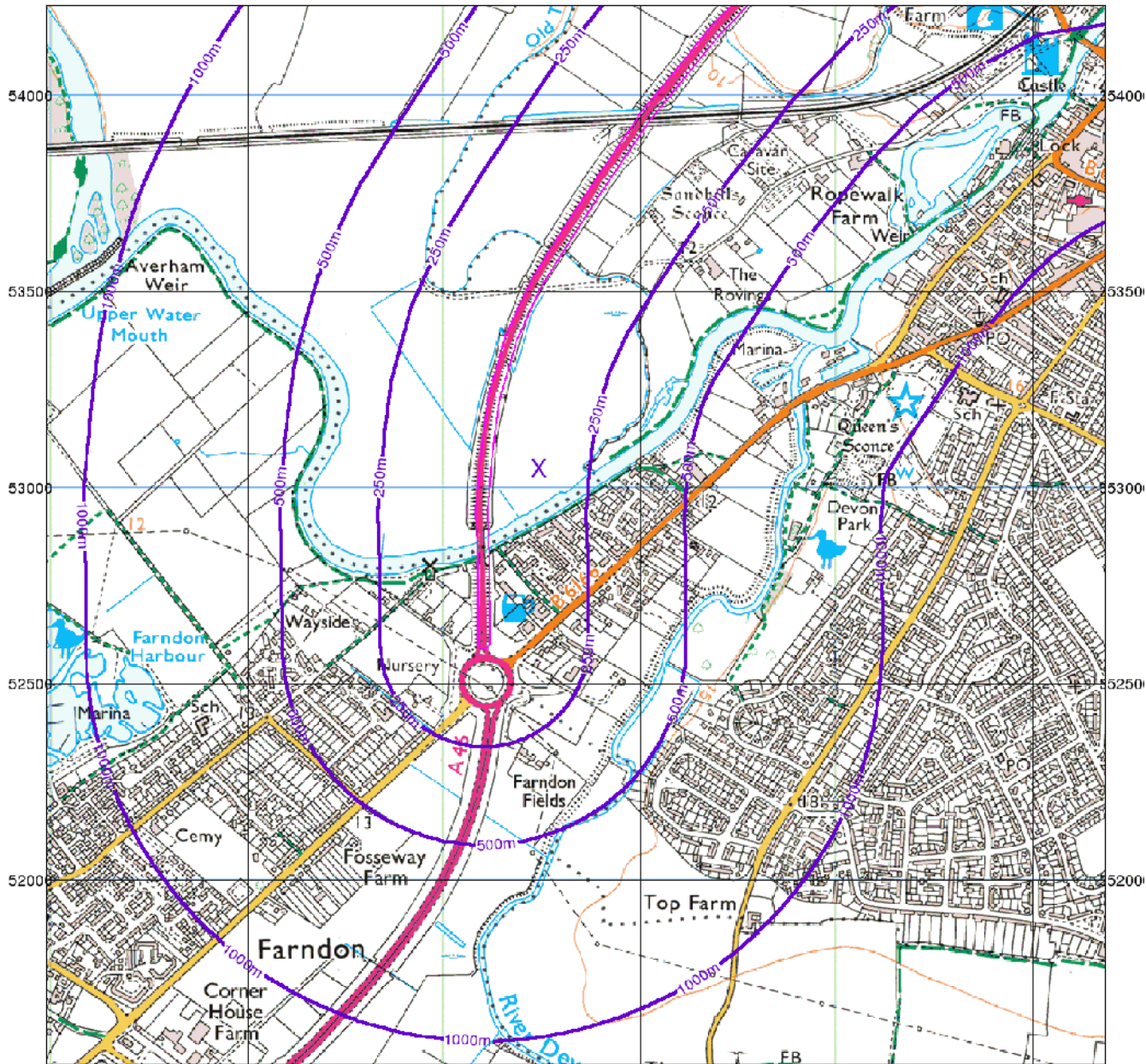
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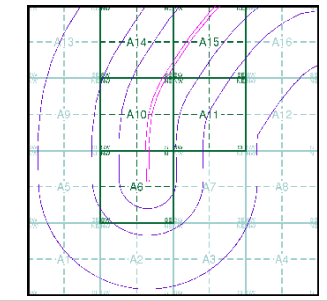
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Site Location

General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Site Location - Slice A



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Site Sensitivity

General

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


Ecology

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

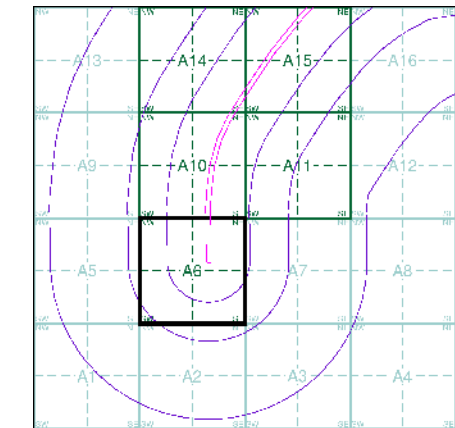
Heritage

-  Historic Battlefields
-  Listed Buildings
-  Scheduled Monuments
-  World Heritage Sites

Visual and Landscape

-  Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Segment A6

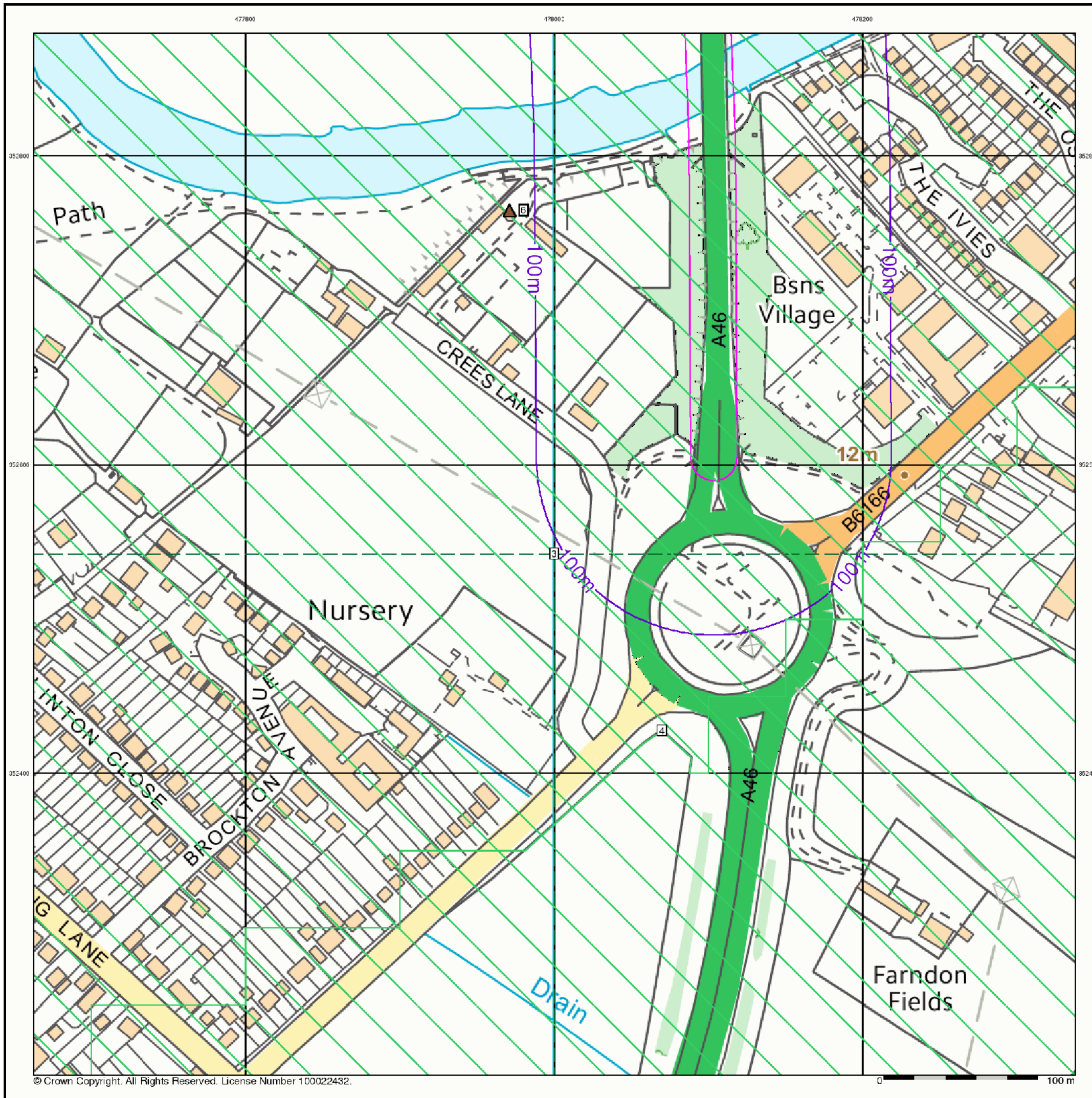


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-  National Nature Reserve
-  Area of Adopted Green Belt
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-  Special Area of Conservation
-  Local Nature Reserve
-  Special Protection Area
-  Marine Nature Reserve

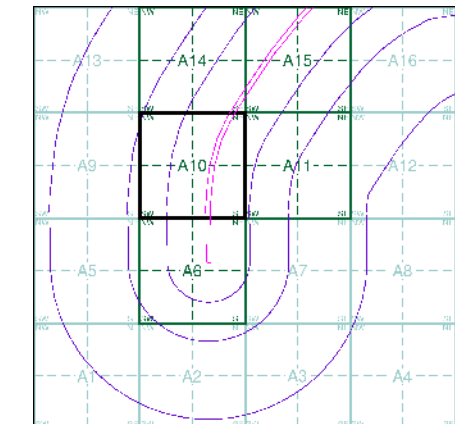
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Visual and Landscape

-  Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Segment A10

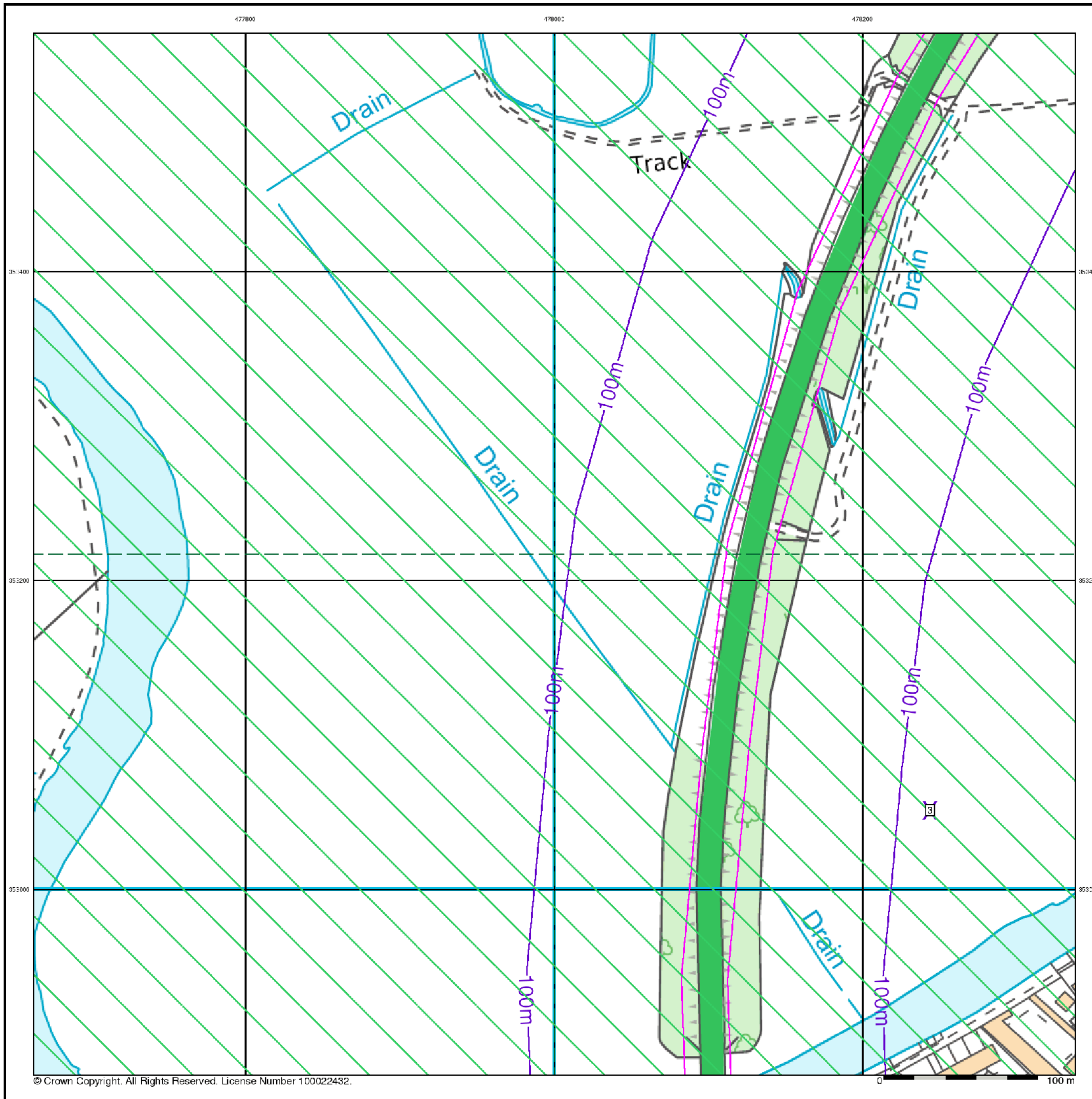


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45






Site Details

A46, Newark, NG24 2PG





Site Sensitivity


General

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


Ecology

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

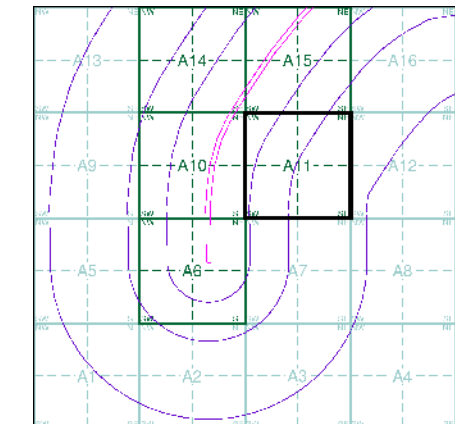
Heritage

-  Historic Battlefields
-  Listed Buildings
-  Scheduled Monuments
-  World Heritage Sites

Visual and Landscape

-  Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Segment A11

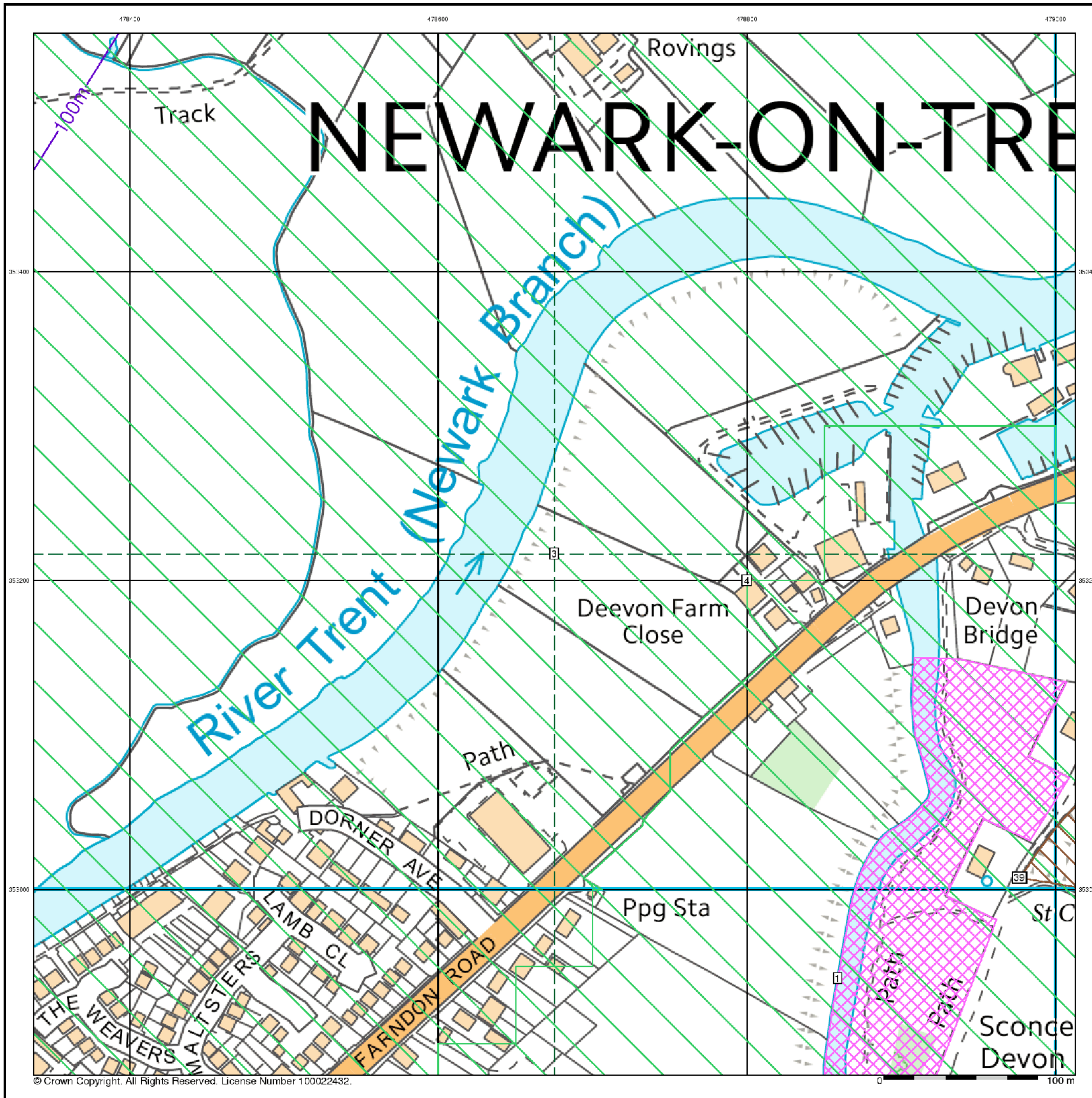


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45






Site Details

A46, Newark, NG24 2PG





Site Sensitivity




General

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


Ecology

-  Ancient Woodland
-  Area of Adopted Green Belt
-  Area of Unadopted Green Belt
-  Area of Outstanding Natural Beauty
-  Country Parks
-  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

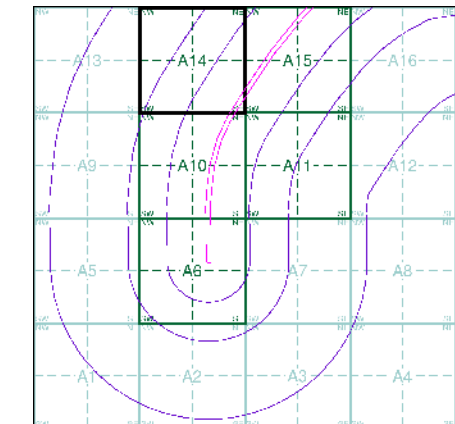
Heritage

-  Historic Battlefields
-  Scheduled Monuments
-  Listed Buildings
-  World Heritage Sites

Visual and Landscape

-  Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Segment A14



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45






Site Details

A46, Newark, NG24 2PG



Site Sensitivity

General

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


Ecology

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

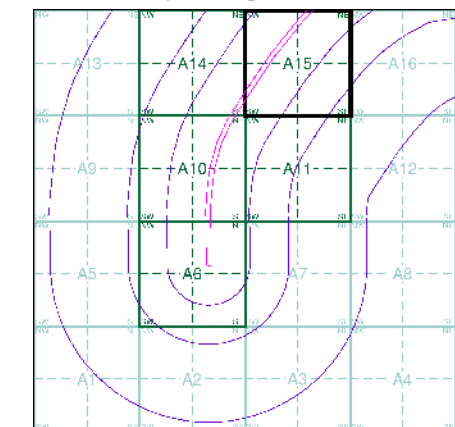
Heritage

-  Historic Battlefields
-  Listed Buildings
-  Scheduled Monuments
-  World Heritage Sites

Visual and Landscape

-  Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Segment A15

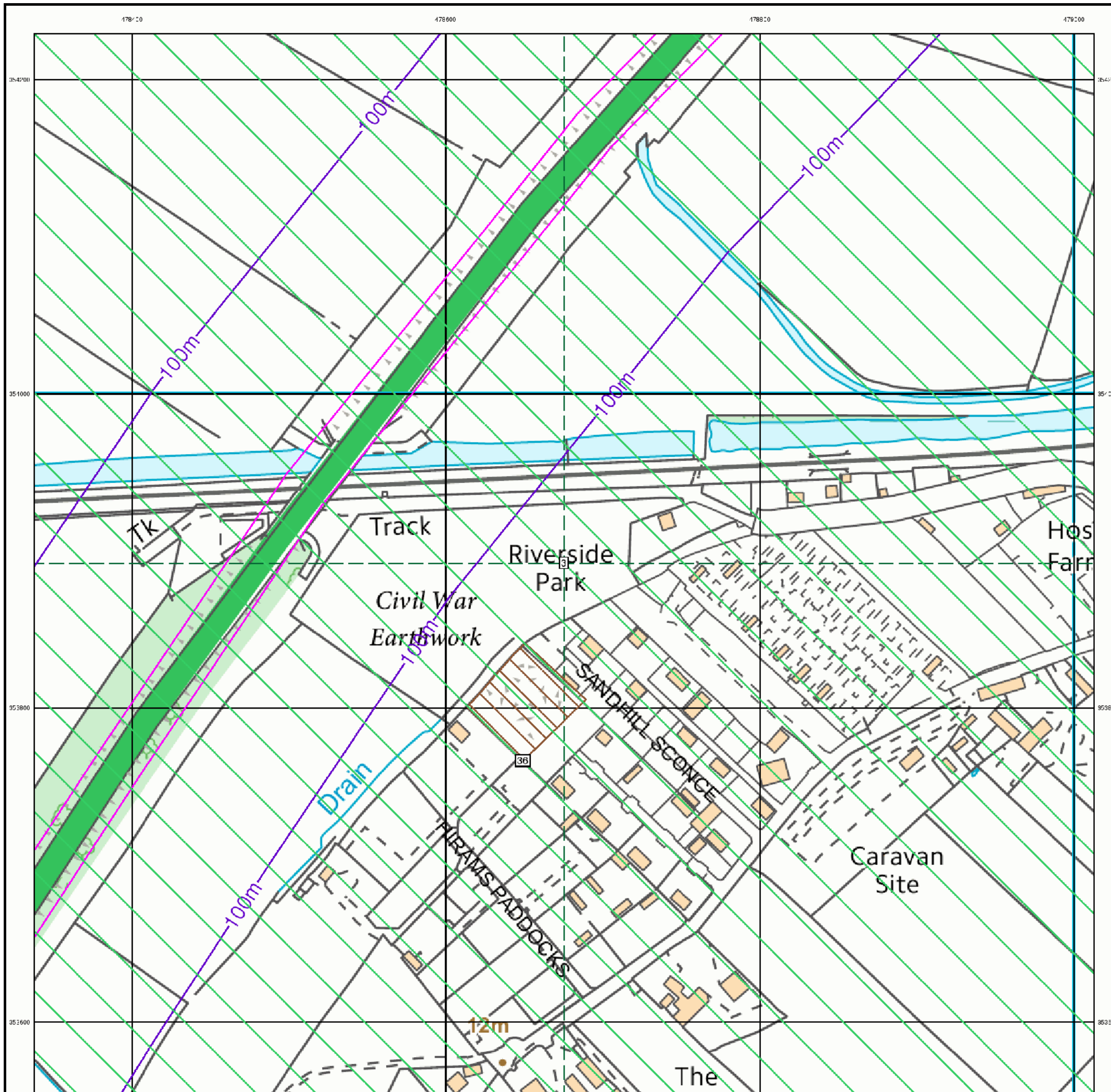


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45

Site Details

A46, Newark, NG24 2PG



477800

478000

478200

352800

352800

352600

352600

352400

352400



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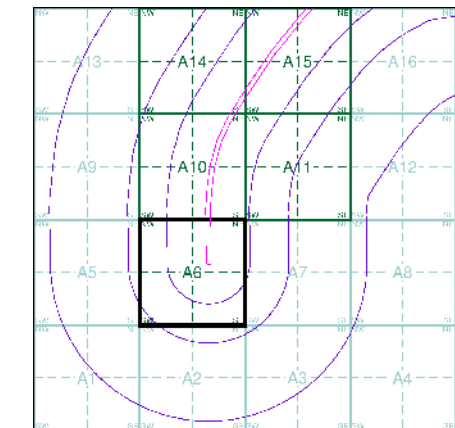
Aerial Photo

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Published Date(s):
2015

Aerial Photo - Segment A6



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45

Site Details

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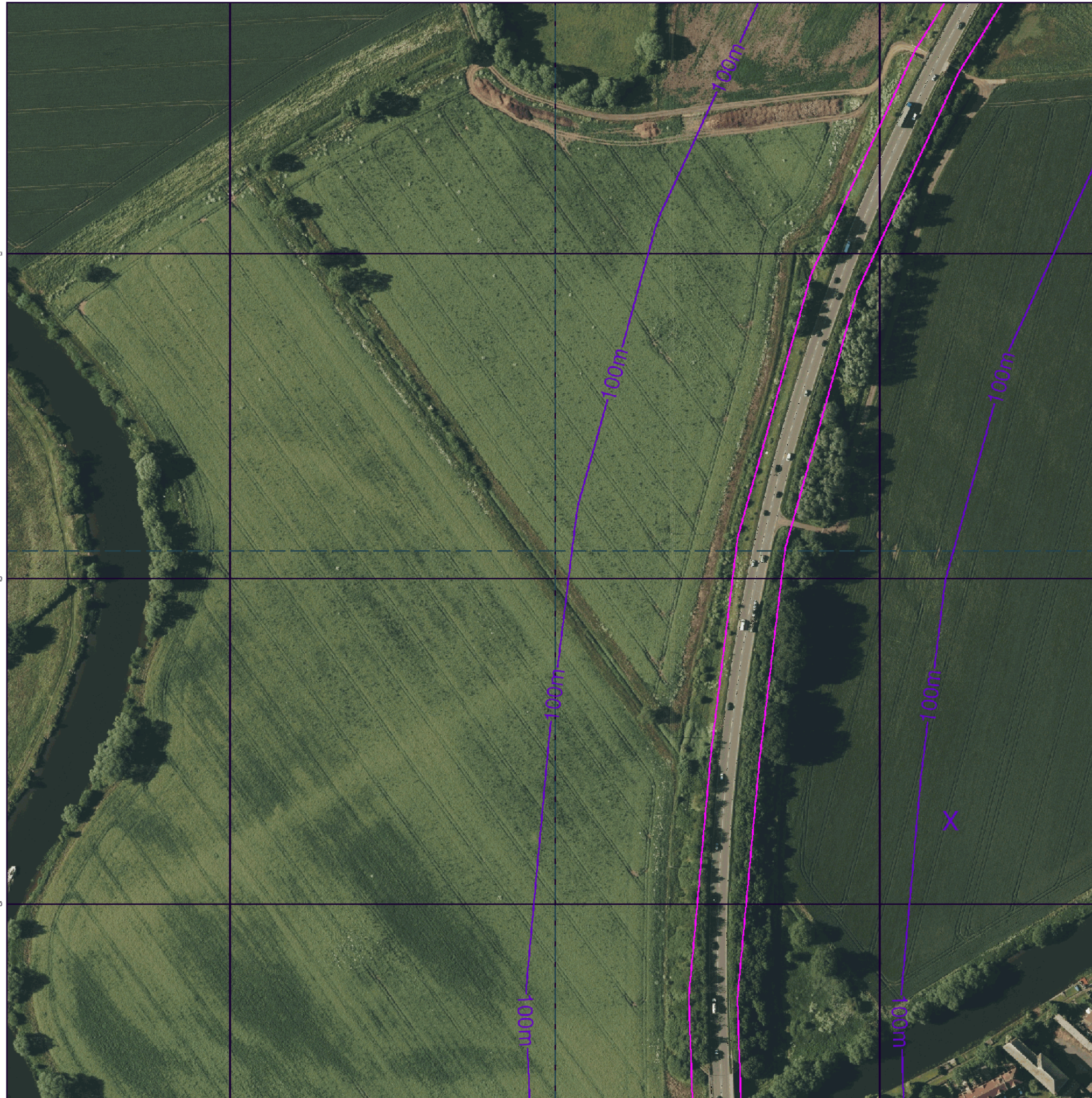
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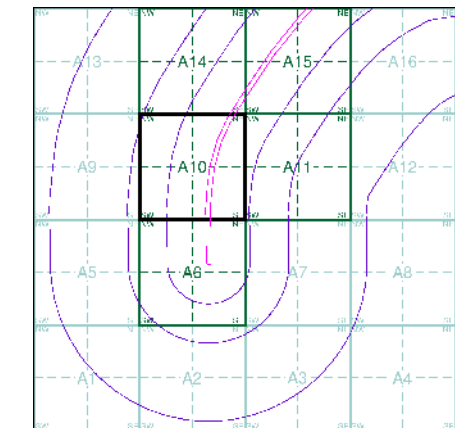
Aerial Photo

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Published Date(s):
2015

Aerial Photo - Segment A10



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45

Site Details

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Aerial Photo

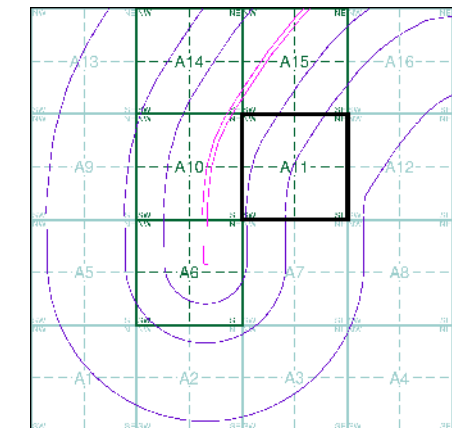
General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Published Date(s):
2015



Aerial Photo - Segment A11



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45

Site Details

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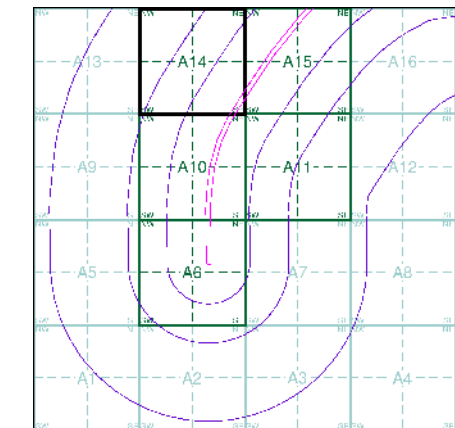
Aerial Photo

General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Published Date(s):
2015

Aerial Photo - Segment A14



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45

Site Details

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 Web: www.envirocheck.co.uk



178200

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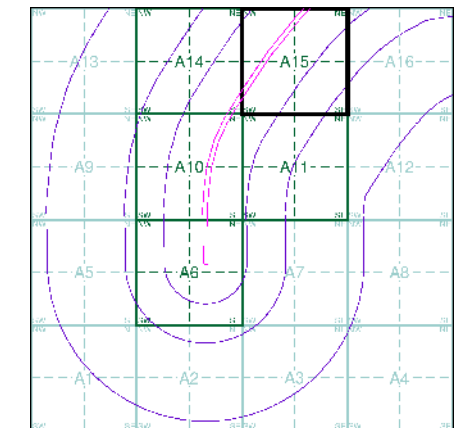
Aerial Photo

General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Published Date(s):
2015

Aerial Photo - Segment A15



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
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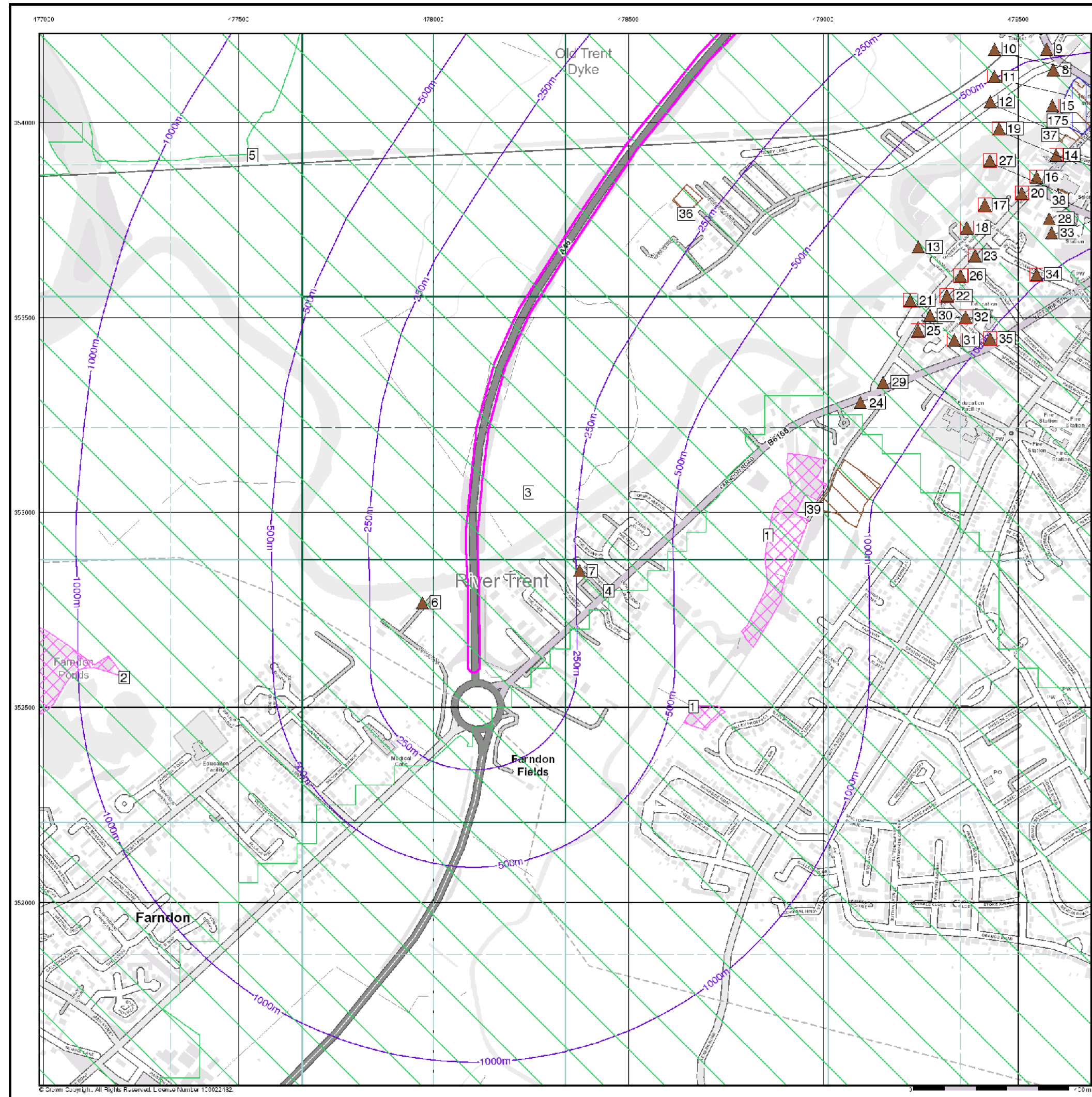
Site Details

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

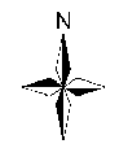
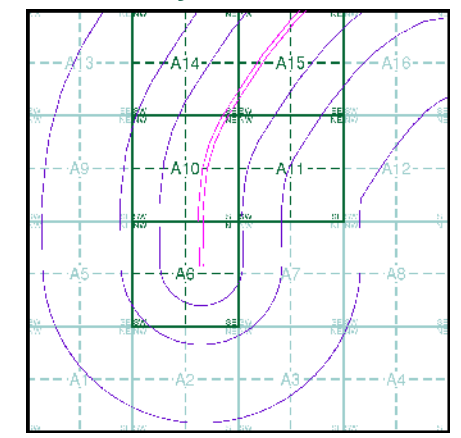




Site Sensitivity

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Ecology**
- Ancient Woodland
 - Area of Adopted Green Belt
 - Area of Unadopted Green Belt
 - Area of Outstanding Natural Beauty
 - Country Parks
 - 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
- Heritage**
- Historic Battlefields
 - Scheduled Monuments
 - Listed Buildings
 - World Heritage Sites
- Visual and Landscape**
- Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Slice A

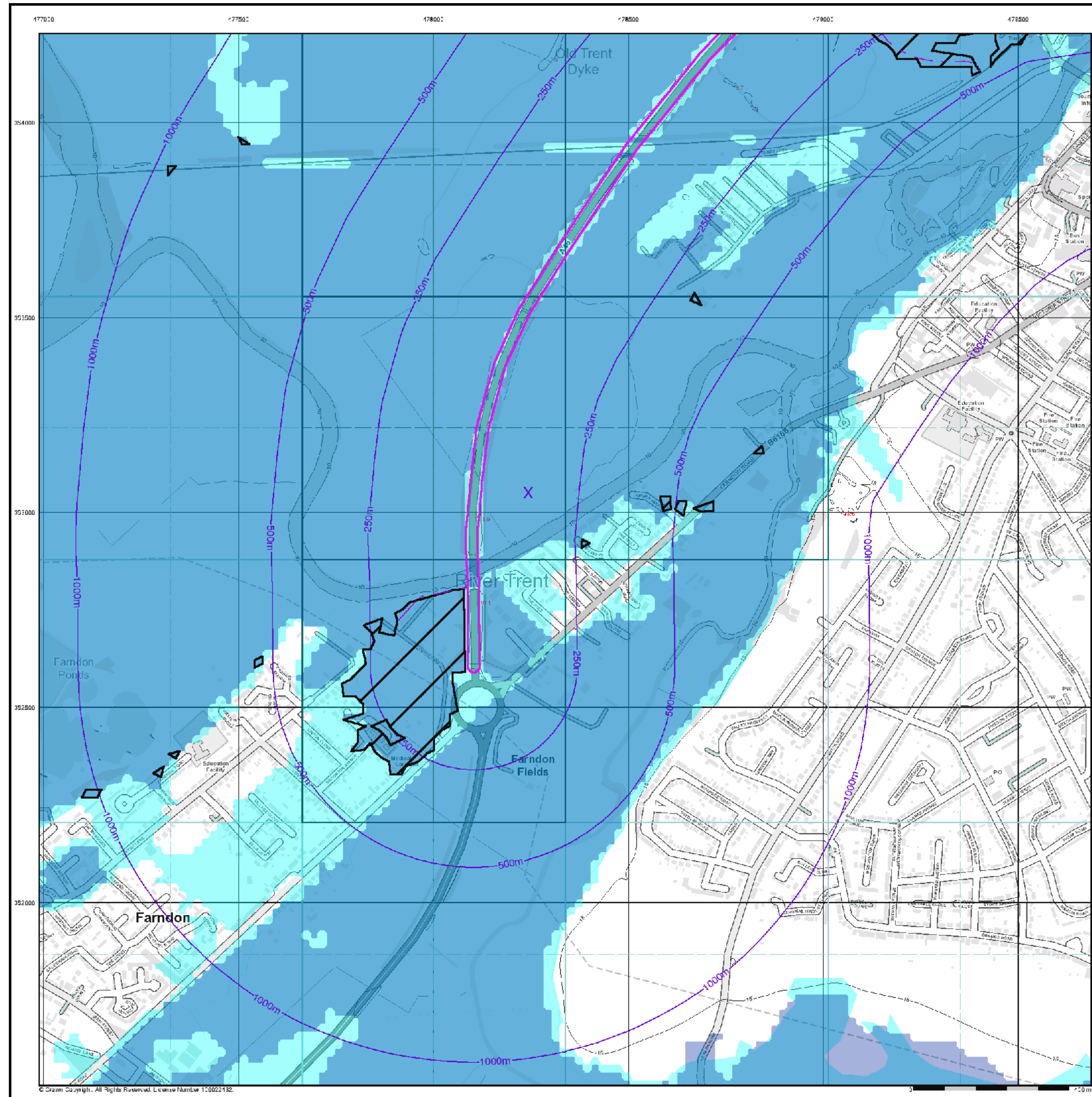


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG



Water and Hydrology

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

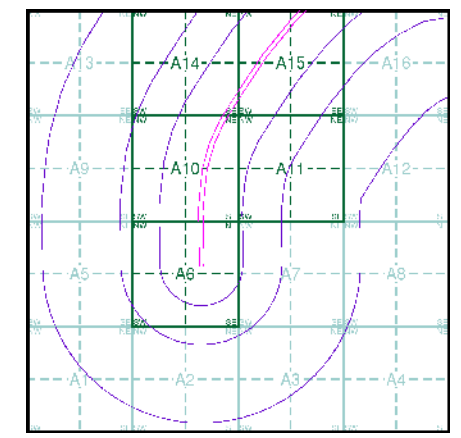
Flood

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Contours (height in meters)

- Standard Contour 105 MLW Mean Low Water
- Master Contour 100 MHW Mean High Water
- Spot Height 167.8

Flood - Slice A

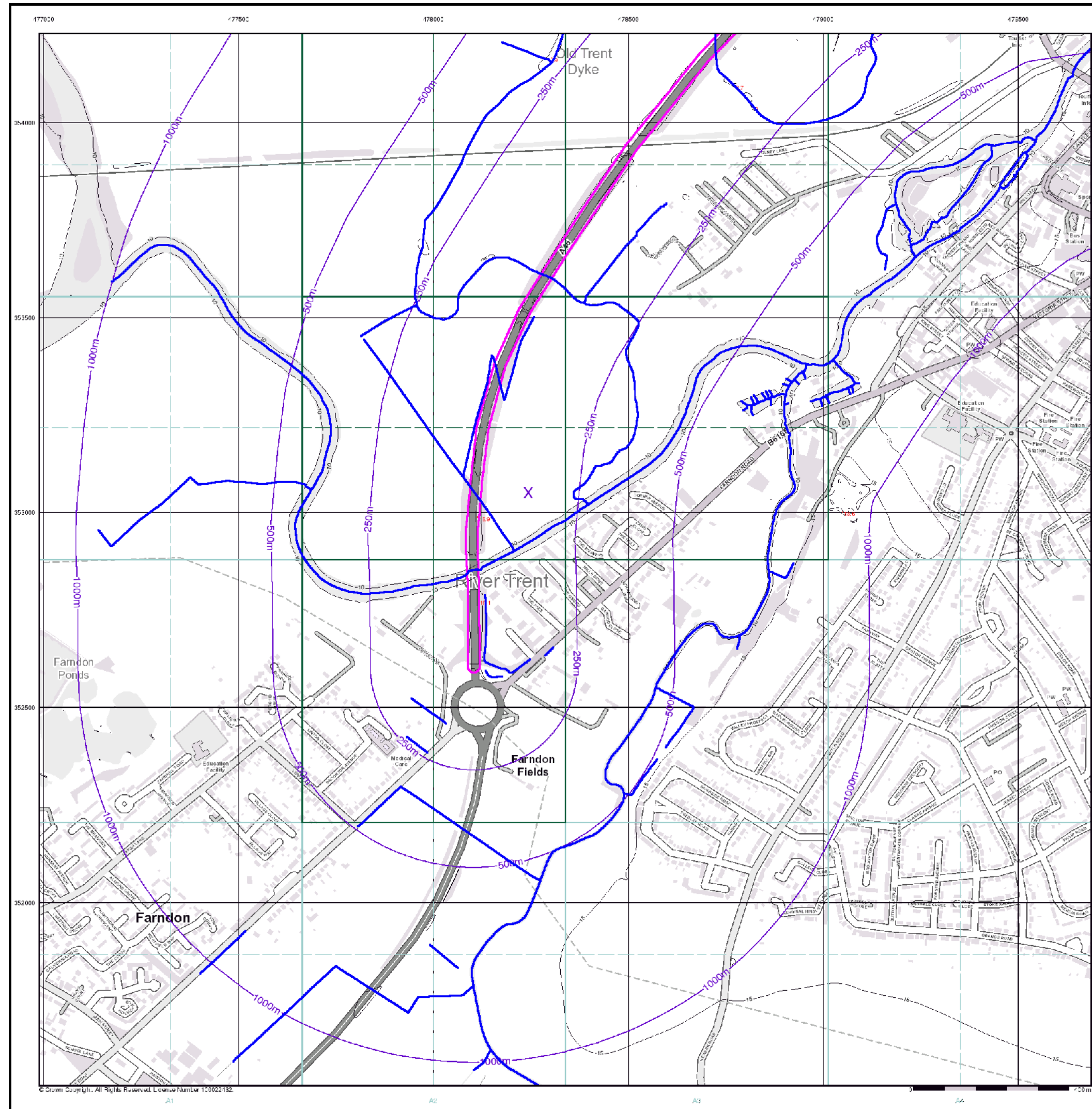


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG



Water And Hydrology

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

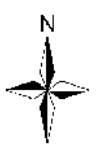
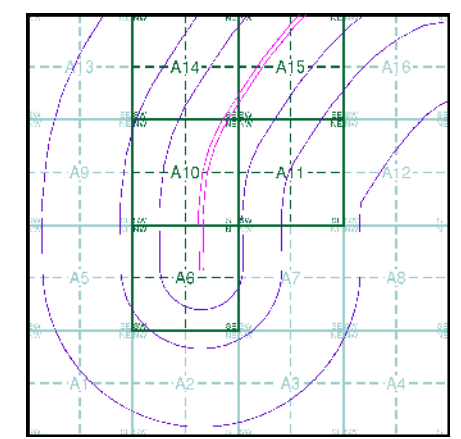
OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

Contours (height in meters)

- Standard Contour: 105, 100, 95
- Master Contour: 100, 95
- Spot Height: 167.3
- MLW - Mean Low Water
- MHW - Mean High Water

OS Water Network - Slice A

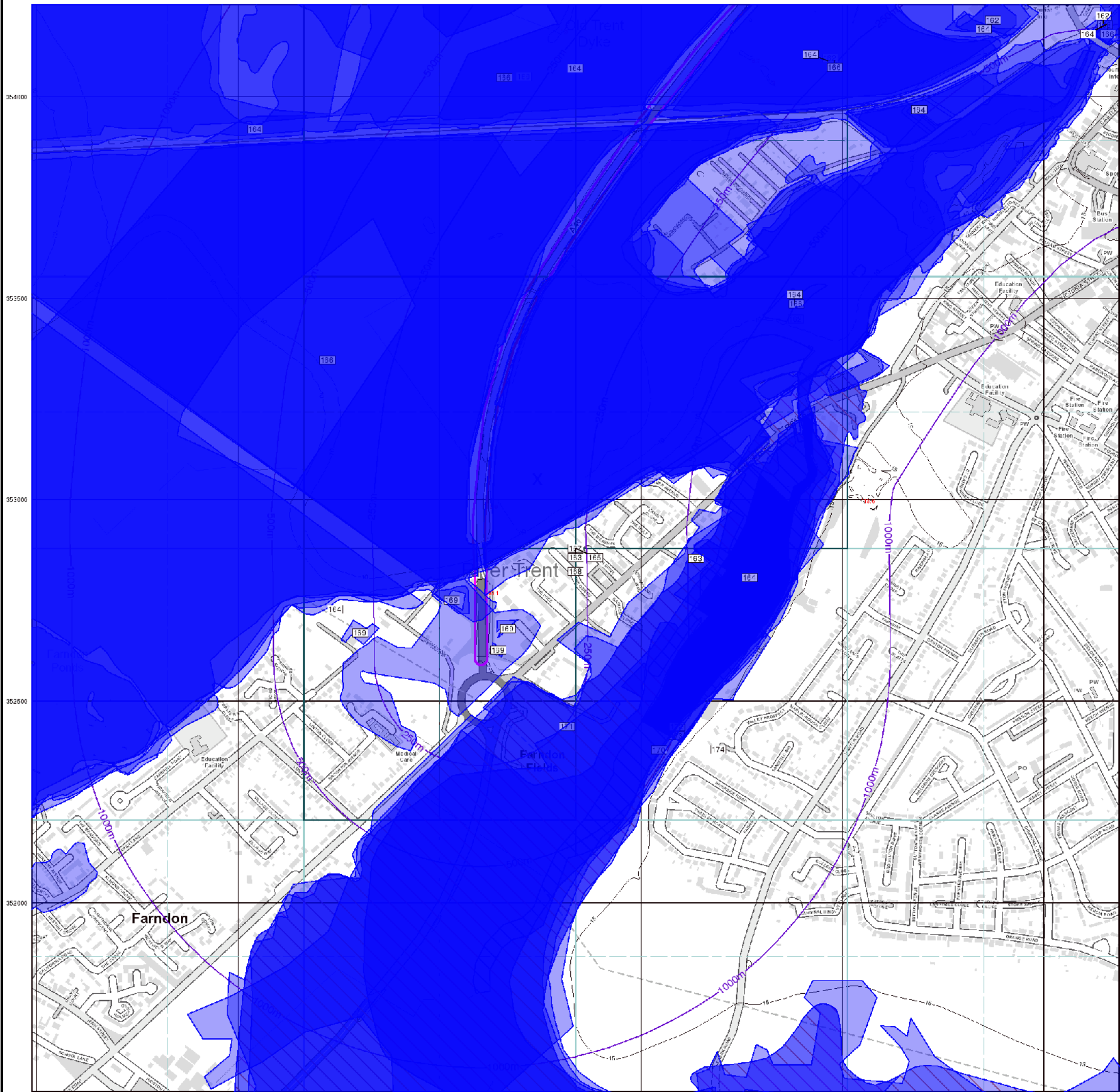


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG



Water and Hydrology

General

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

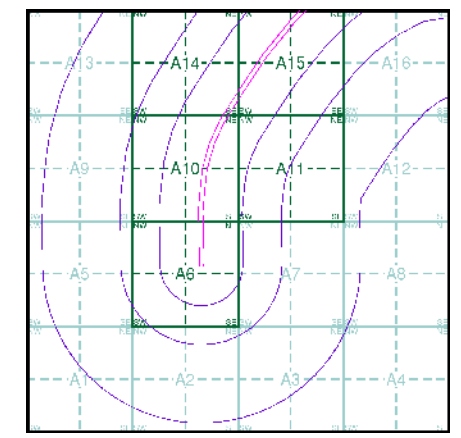
Historic Flood

- | | |
|--|---------------------------------------|
| Channel Capacity Exceeded (no raised defences) | Obstruction/Blockage - Culvert |
| Channel Capacity Exceeded /Surface Water | Obstruction/Blockage - Debris Screen |
| Groundwater/High Water Table | Operational Failure/Breach of Defence |
| Local Drainage/Surface Water | Other |
| Mechanical Failure | Overtopping of Defences |
| Obstruction/Blockage - Bridge | Surface Water |
| Obstruction/Blockage - Channel | Unknown |
| Historical Flood Liabilities | |

Contours (height in meters)

- Standard Contour MLW - Mean Low Water
- Master Contour MHW - Mean High Water
- Spot Height 167.8

Historic Flood - Slice A



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG



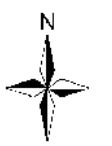
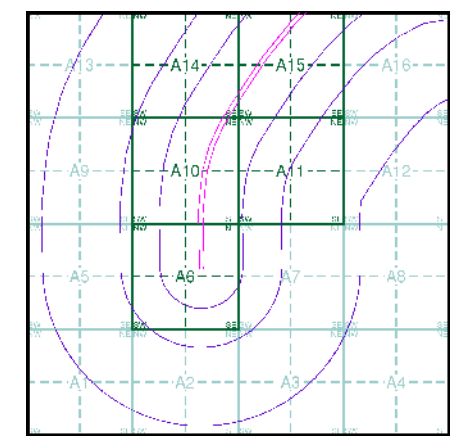
Aerial Photo

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Published Date(s):
2015

Aerial Photo - Slice A

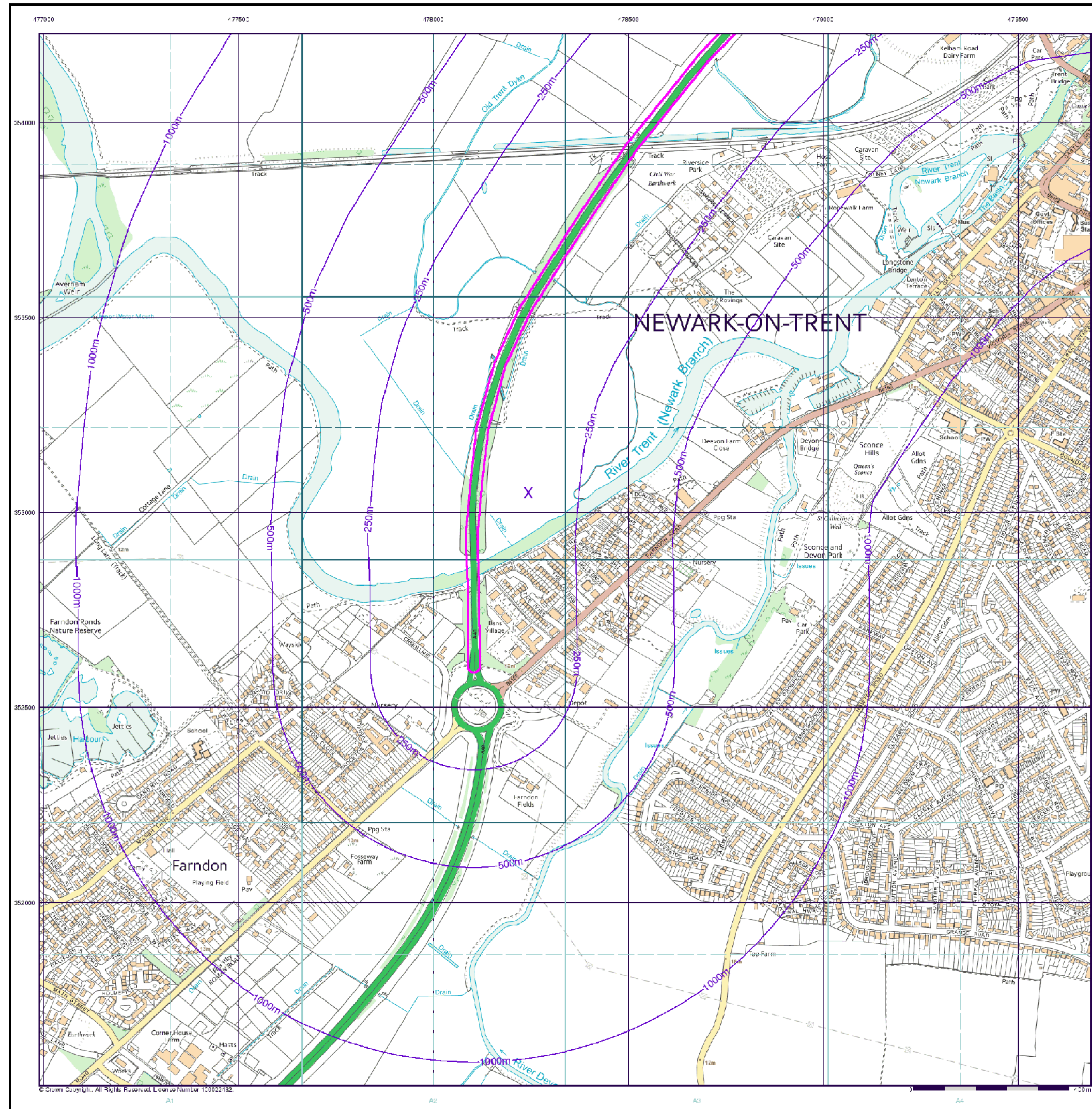


Order Details

Order Number: 172582399_1_1
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 Site Area (Ha): 21.45
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Site Details

A46, Newark, NG24 2PG

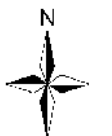
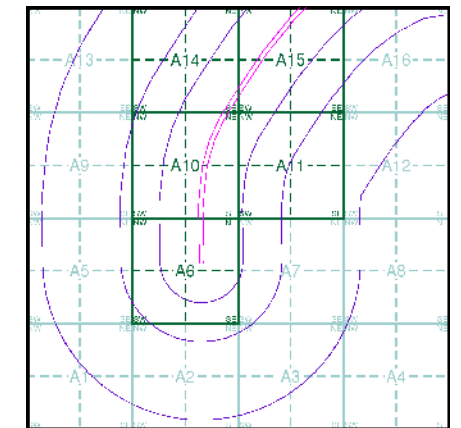


Site Location

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Site Location - Slice A



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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OS VectorMap[®] Local

Colour Raster version

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COMMUNICATIONS (TRANSPORT)

Depicted roads are not necessarily rights of way

	Motorway
	Primary road
	Main road ('A' road)
	Secondary road ('B' road)
	Minor road
	Local street
	Private road with public access
	Pedestrianised street
	Multiple track railway
	Single track railway or siding
	Narrow gauge railway
	Road or rail tunnel







SETTLEMENT

	Building		Important building
	Glasshouse		
	Overhead building line		

VEGETATION

	Broad-leaved woodland		Coniferous woodland
	Mixed woodland		Orchard
	Shrub		Unimproved grass
	Heathland		Marsh
	Reeds		

WATER FEATURES






	Water (surface or tidal)
	Water
	Mean high water
	Mean low water
	Direction of flow arrows
	Water point features (for example Wells, Springs)

HEIGHT









Surface heights are in metres above mean sea level

 57m Height

LANDFORMS

	Ornament		
	Inland rock		
	Boulders		
	Shingle		
	Cliff		Sand
	Large slopes		Sand pit
	Standard slopes		
	Mud		
	Gravel pit		
	Refuse tip or slag heap		

POINT & LINE FEATURES



	General line detail
	Overhead detail
	Telephone line
	Electricity transmission line
	Pylon
	Triangulation station
	Point features (for example Shafts, Posts)
	Site of antiquity

COMMON ABBREVIATIONS







CG.....	Cattle grid
Chy.....	Chimney
Coll.....	College
Ct.....	Court
El Sub Sta.....	Electricity sub station
FB.....	Footbridge
Fl Sk.....	Flare stack
Fn.....	Fountain
FS.....	Flagstaff
GP.....	Guide post
LC.....	Level crossing
Liby.....	Library
Meml.....	Memorial
MHW(s).....	Mean high water (springs)
MLW(s).....	Mean low water (springs)
Mon.....	Monument
MP, MS.....	Mile post or stone
NTL.....	Normal tidal water
P, Ps.....	Post(s) or pole(s)
PH.....	Public House
PO.....	Post office
Pol Sta.....	Police Station
PW.....	Place of worship
Sch.....	School
Spr.....	Spring
Sta.....	Station
Tk.....	Tank or track
W.....	Well

Geology 1:50,000 Maps Legends







Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	HPSG	Holme Pierrepont Sand and Gravel Member	Sand and Gravel	Not Supplied - Pleistocene
	BDTN	Balderton Sand and Gravel Member	Sand and Gravel	Not Supplied - Pleistocene
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	WHAT	Whatton Sand and Gravel	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BCMU	Branscombe Mudstone Formation	Mudstone	Not Supplied - Norian
	EDW	Edwalton Member	Mudstone	Not Supplied - Carnian
	AS	Arden Sandstone Formation	Sandstone	Not Supplied - Carnian
	GUN	Gunthorpe Member	Mudstone	Not Supplied - Anisian
	MMG	Mercia Mudstone Group	Mudstone	Not Supplied - Early Triassic
		Faults		

Geology 1:50,000 Maps

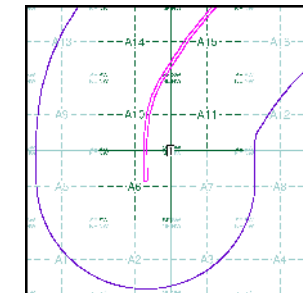
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	126
Map Name:	Nottingham
Map Date:	1996
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

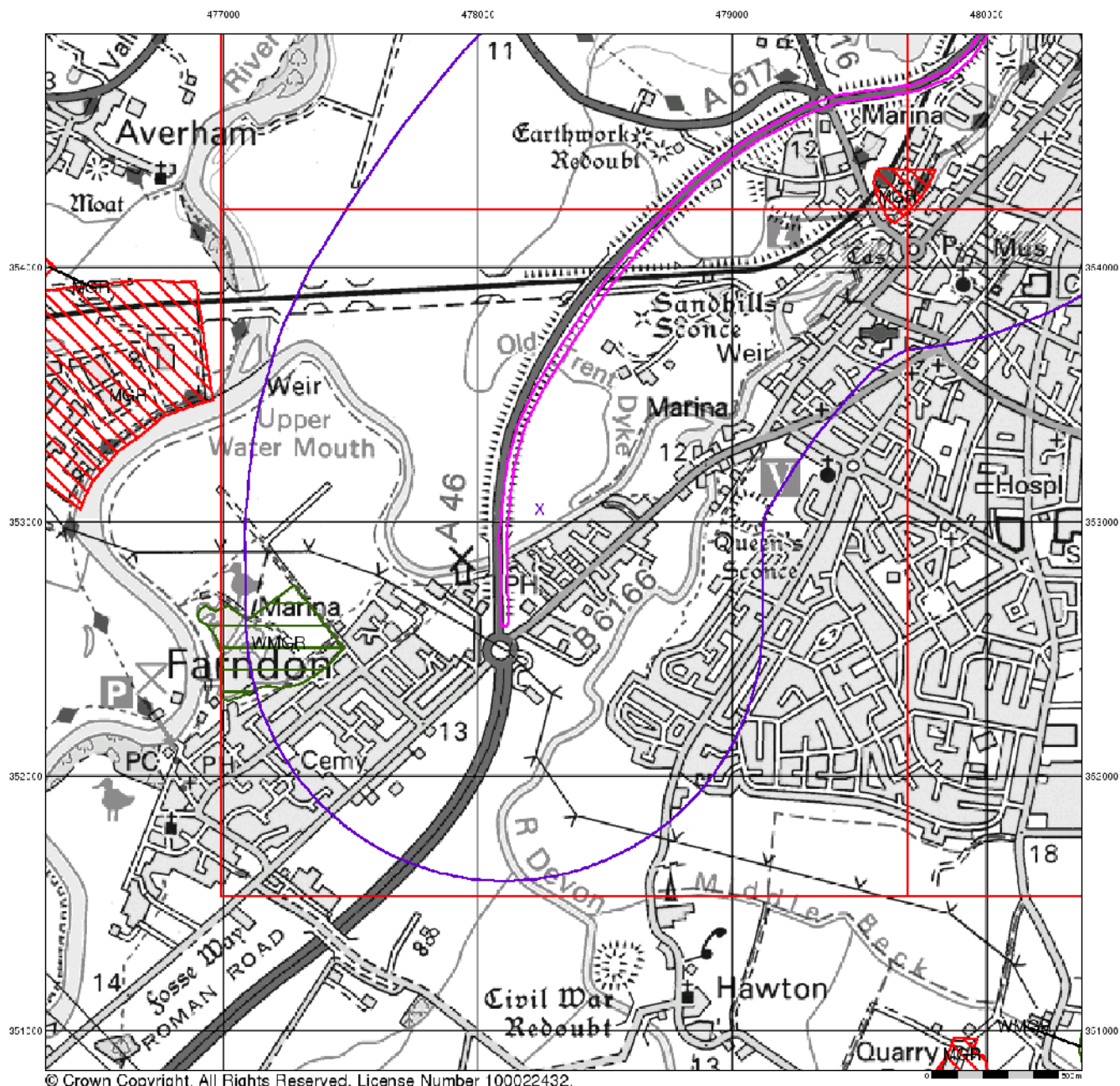


Order Details:

Order Number:	172582399_1_1
Customer Reference:	5162675 sub no 255
National Grid Reference:	478240, 353050
Slice:	A
Site Area (Ha):	21.45
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

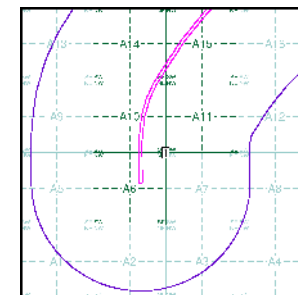
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



Order Details:

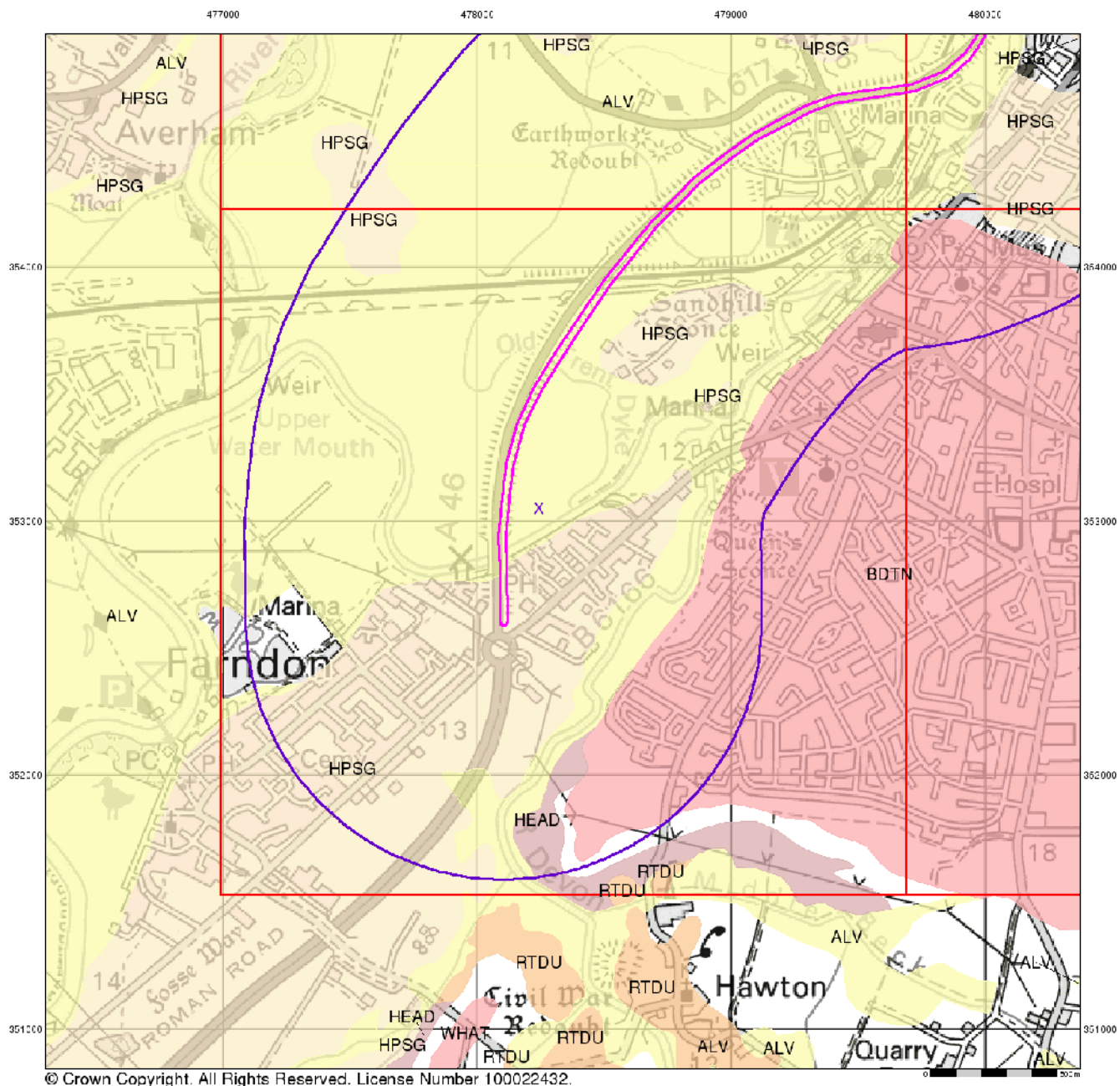
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 Customer Reference: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details:

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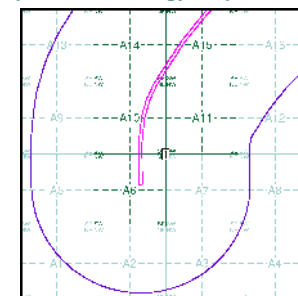
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



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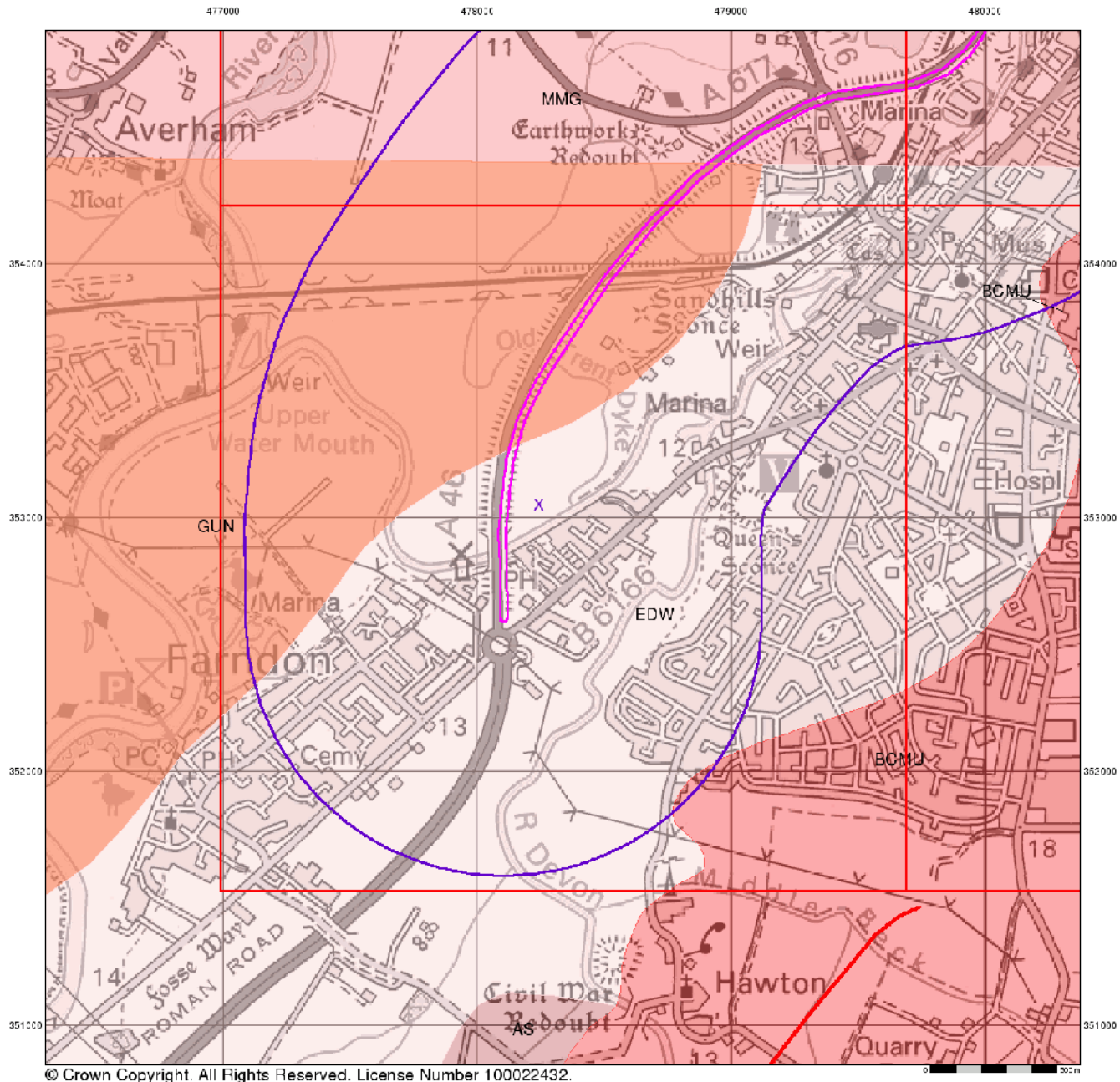
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 Customer Reference: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details:

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Bedrock and Faults

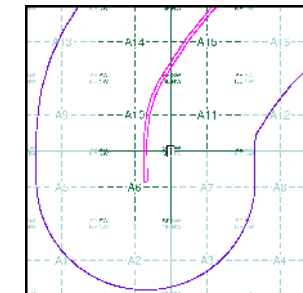
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



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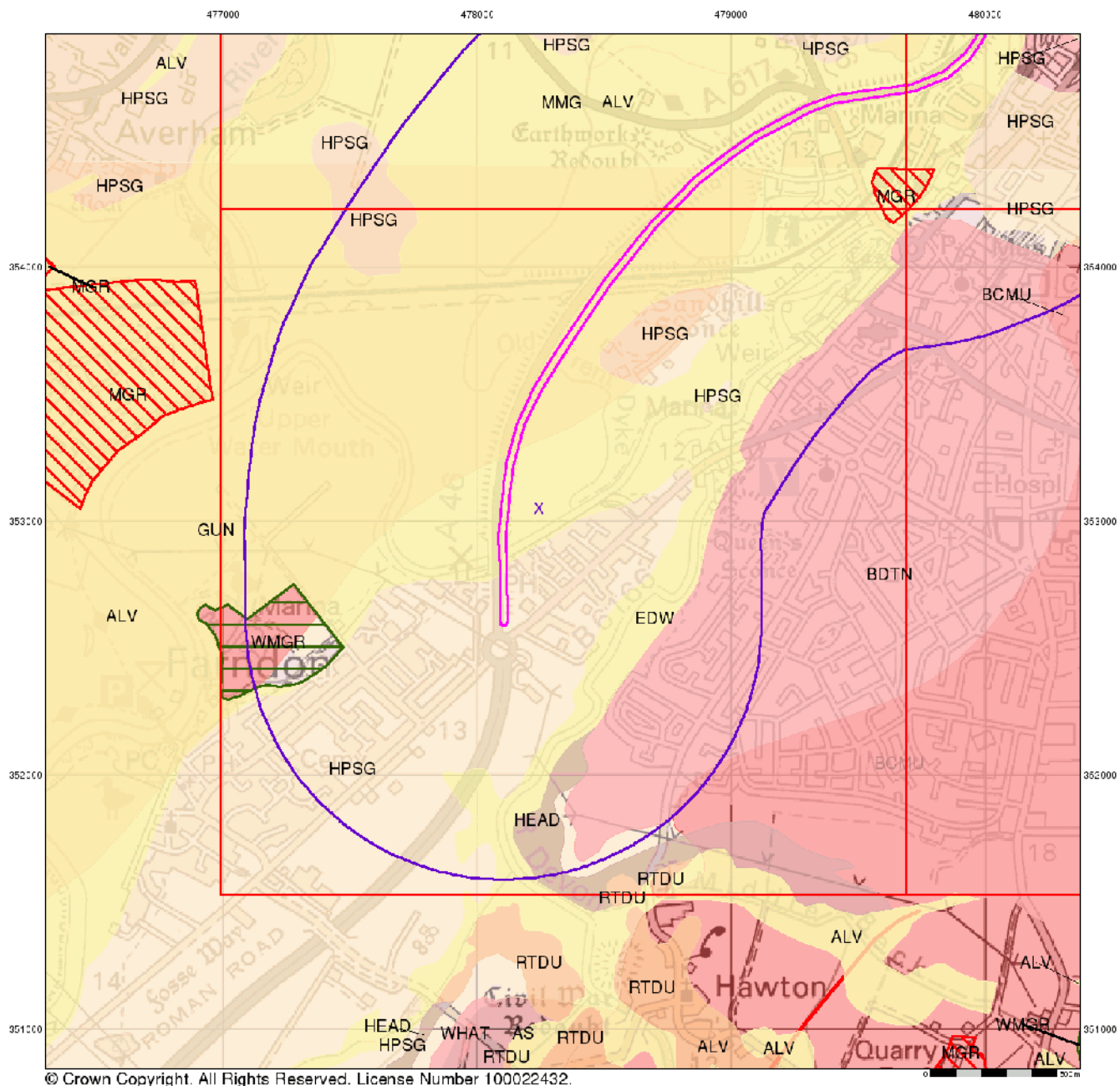
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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

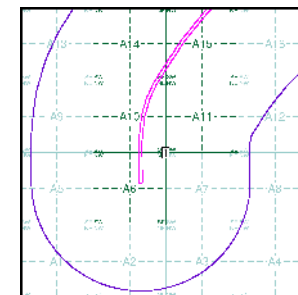
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

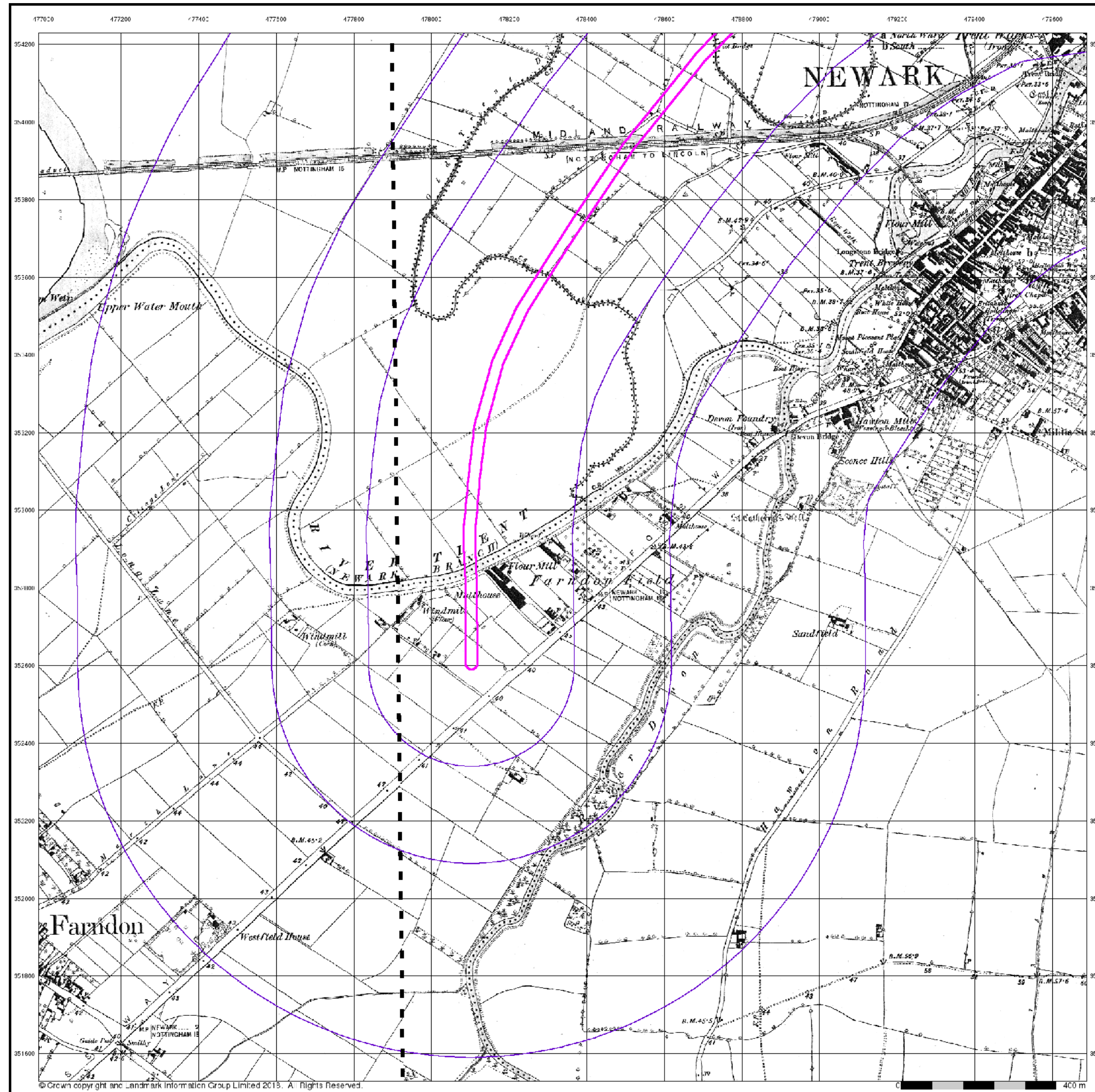
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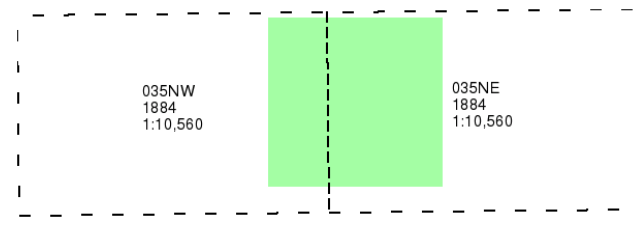
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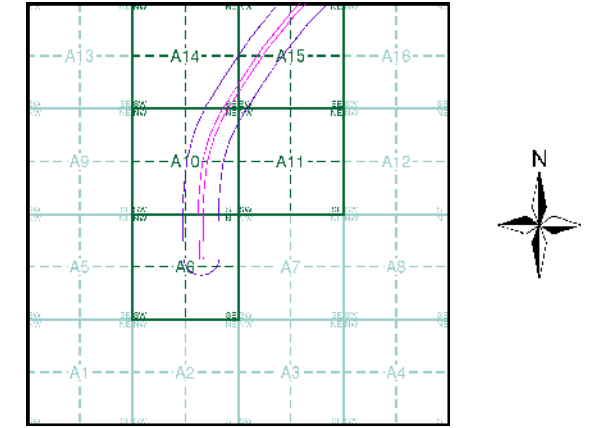
Nottinghamshire
Published 1884
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

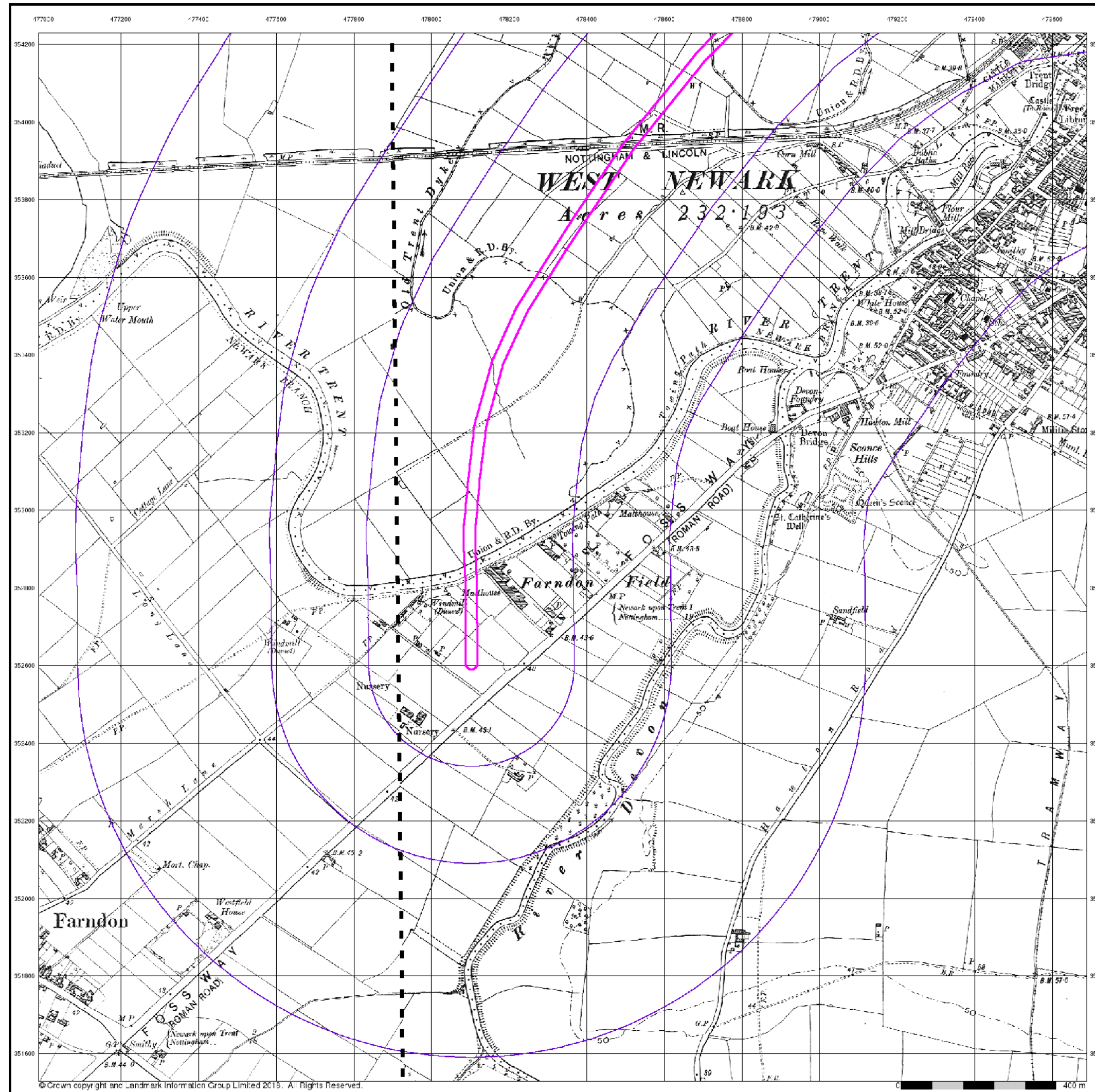


Historical Map - Slice A



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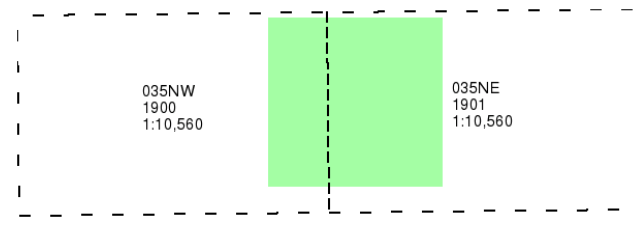
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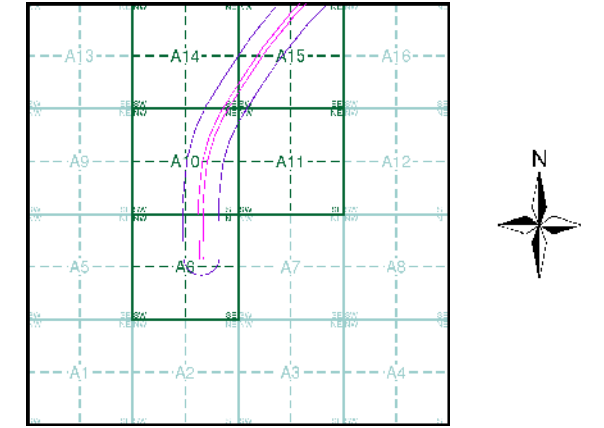
Nottinghamshire
Published 1900 - 1901
Source map scale - 1:10,560

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Map Name(s) and Date(s)

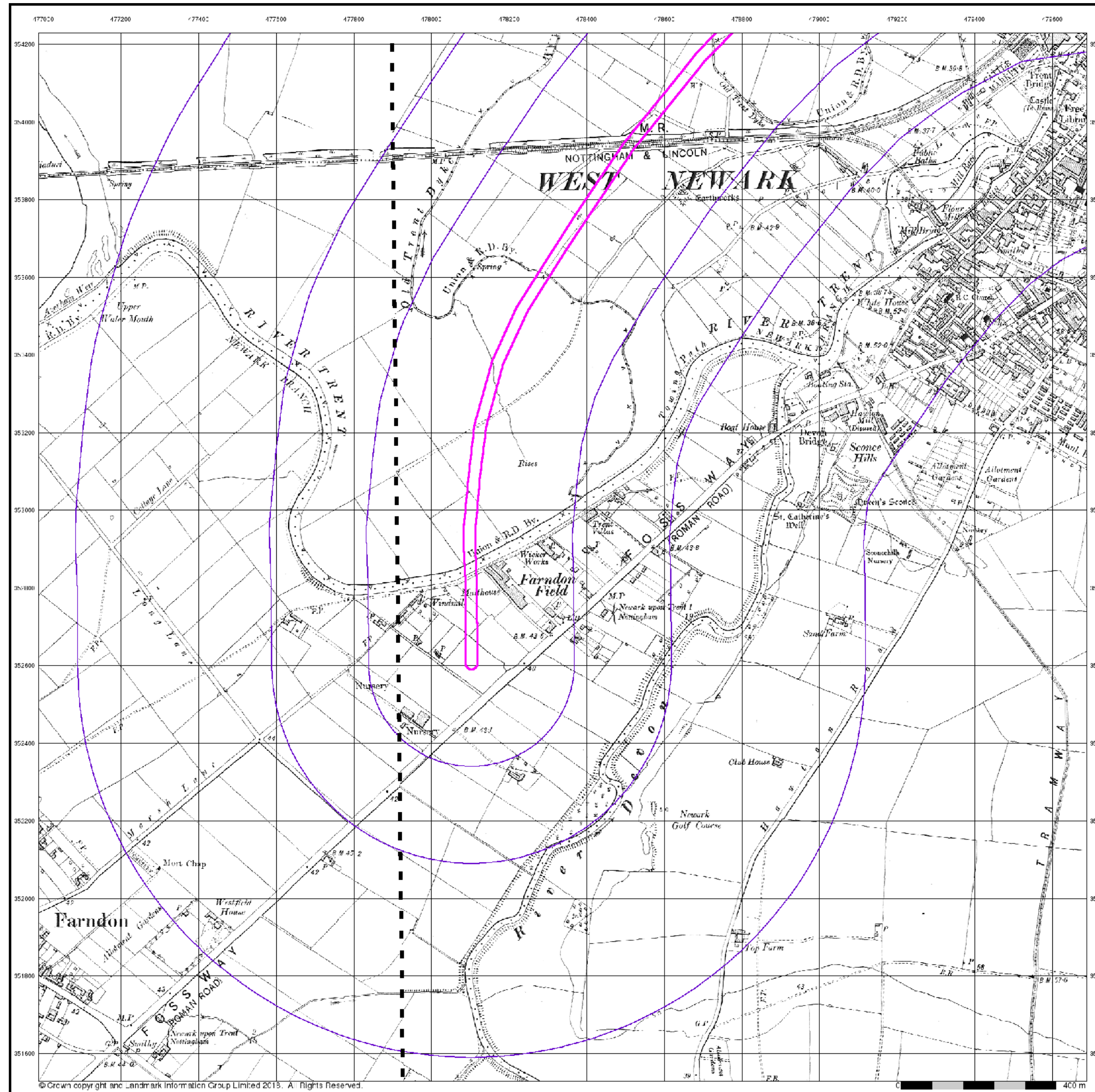


Historical Map - Slice A



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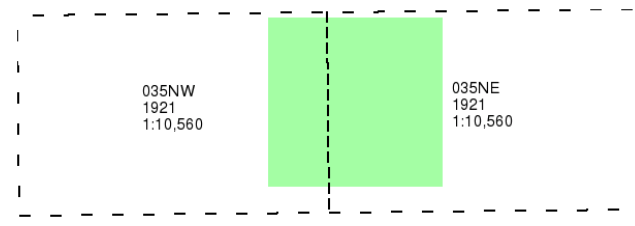
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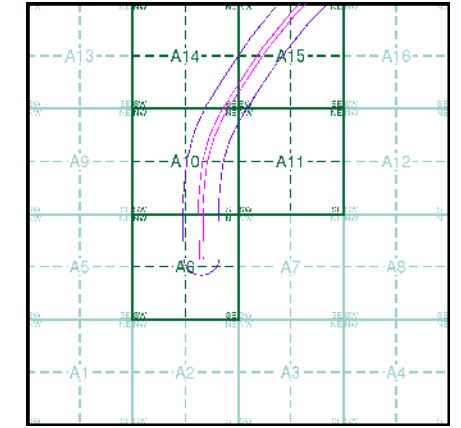
Nottinghamshire
Published 1921
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

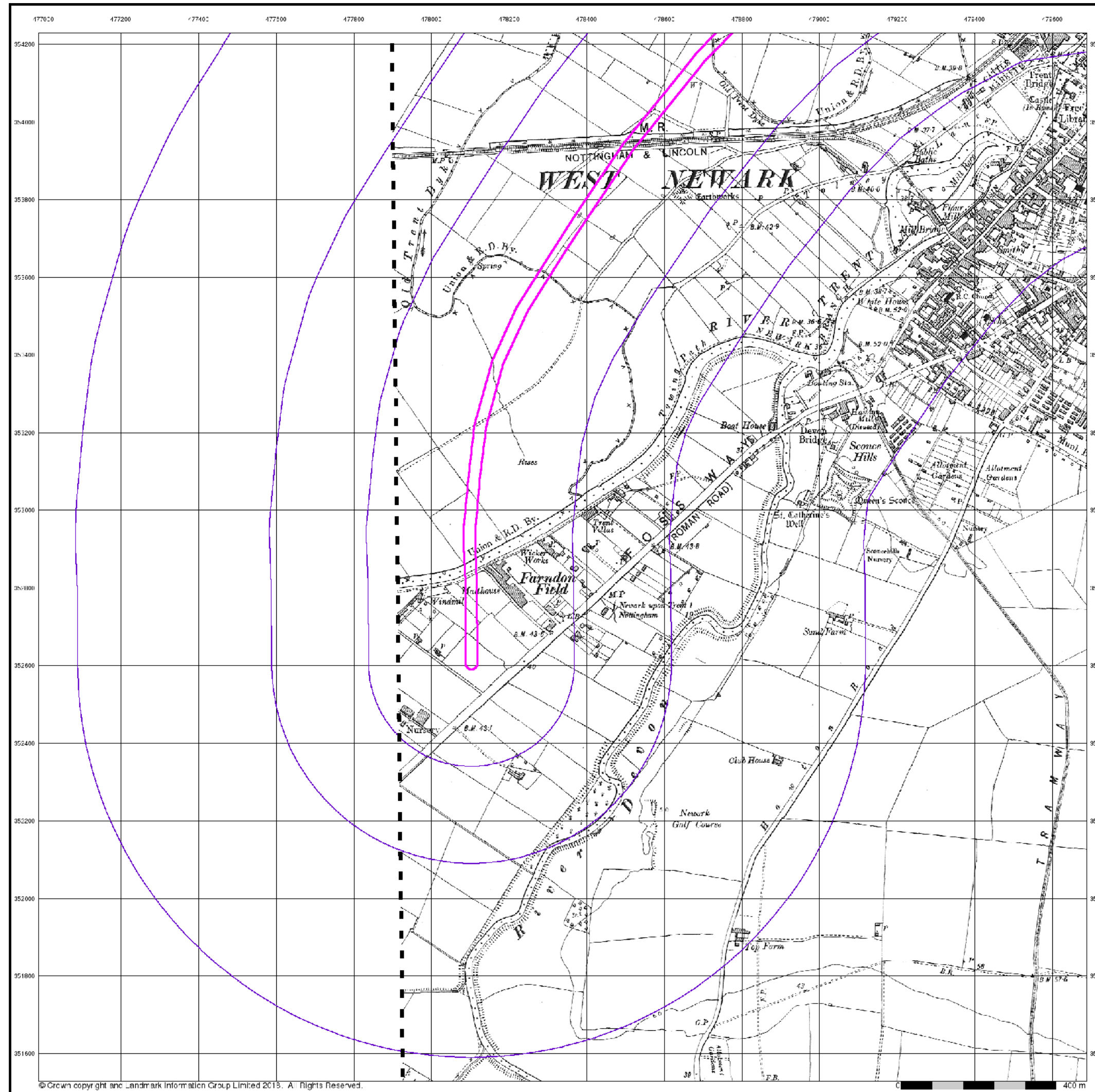


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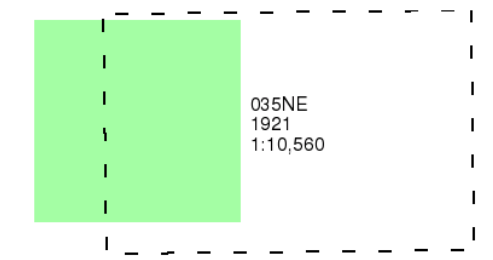


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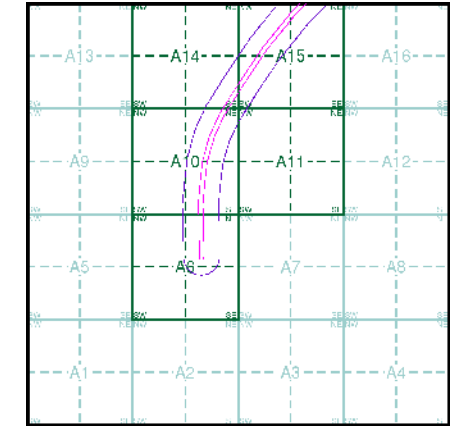
Nottinghamshire
Published 1921
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

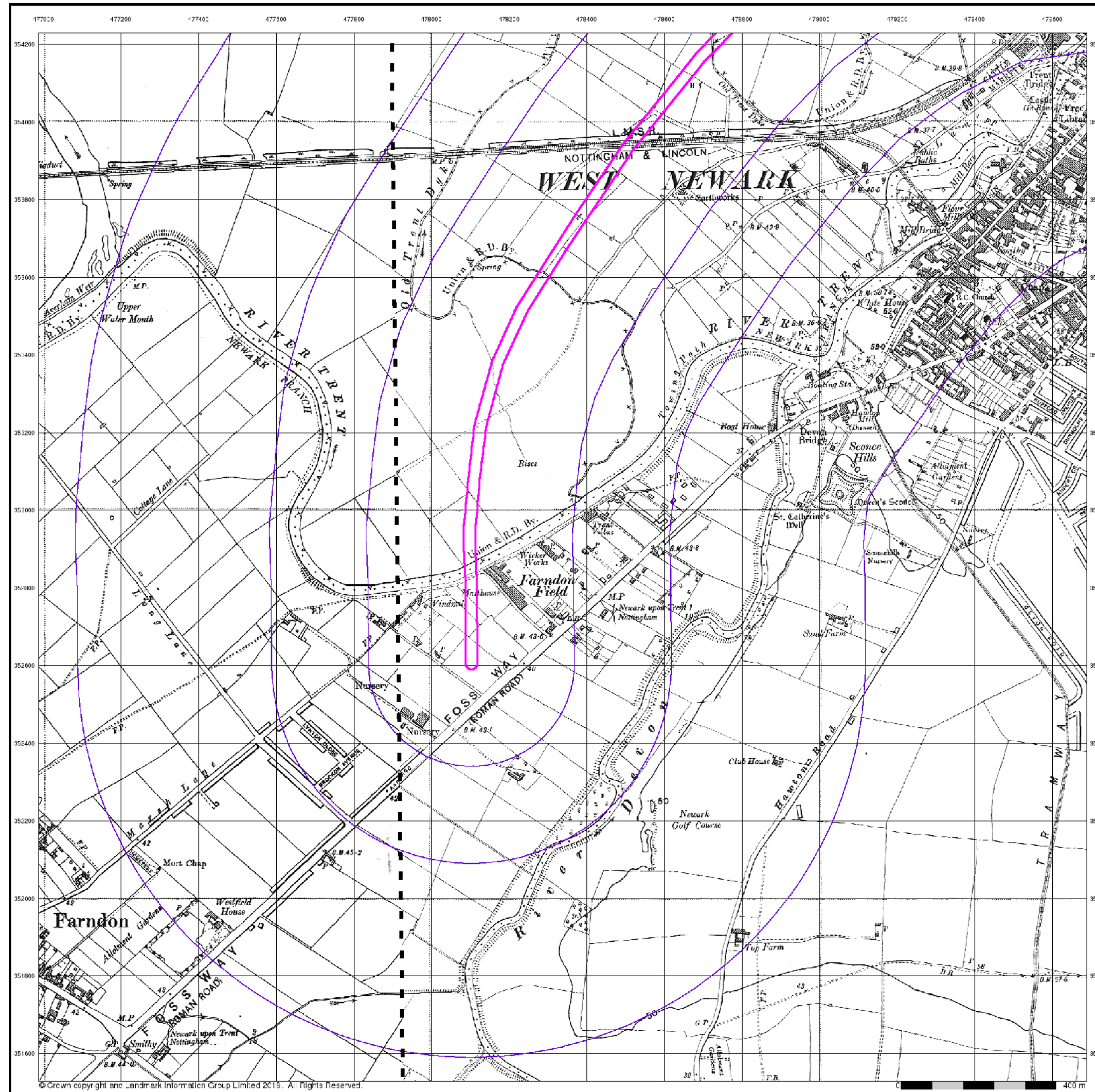


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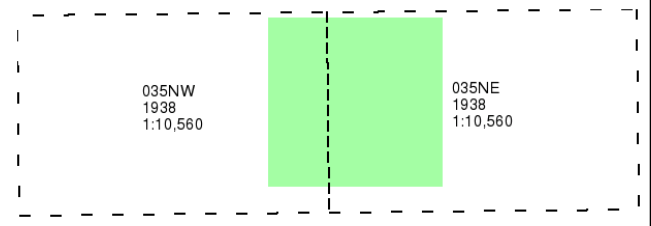
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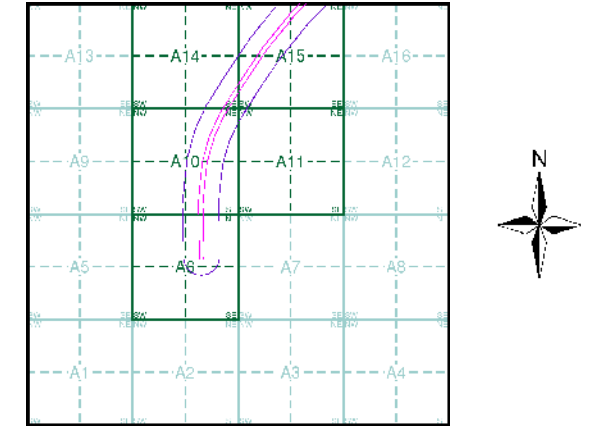
Nottinghamshire
Published 1938
Source map scale - 1:10,560

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Map Name(s) and Date(s)

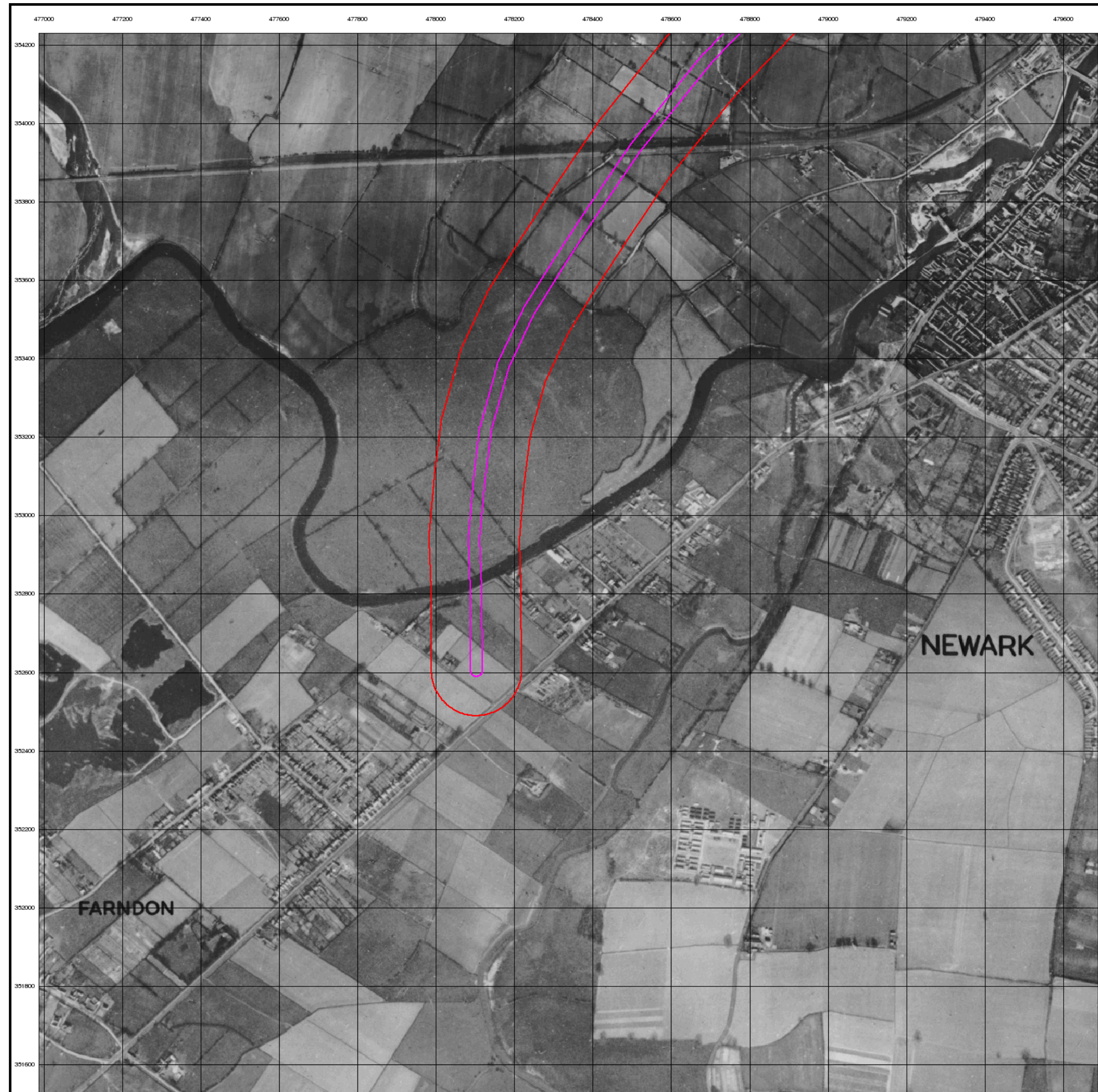


Historical Map - Slice A



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Historical Aerial Photography

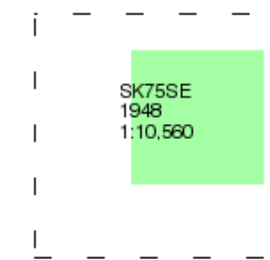
Published 1948

Source map scale - 1:10,560

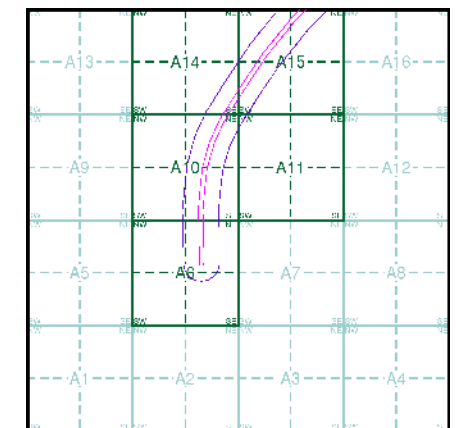
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A

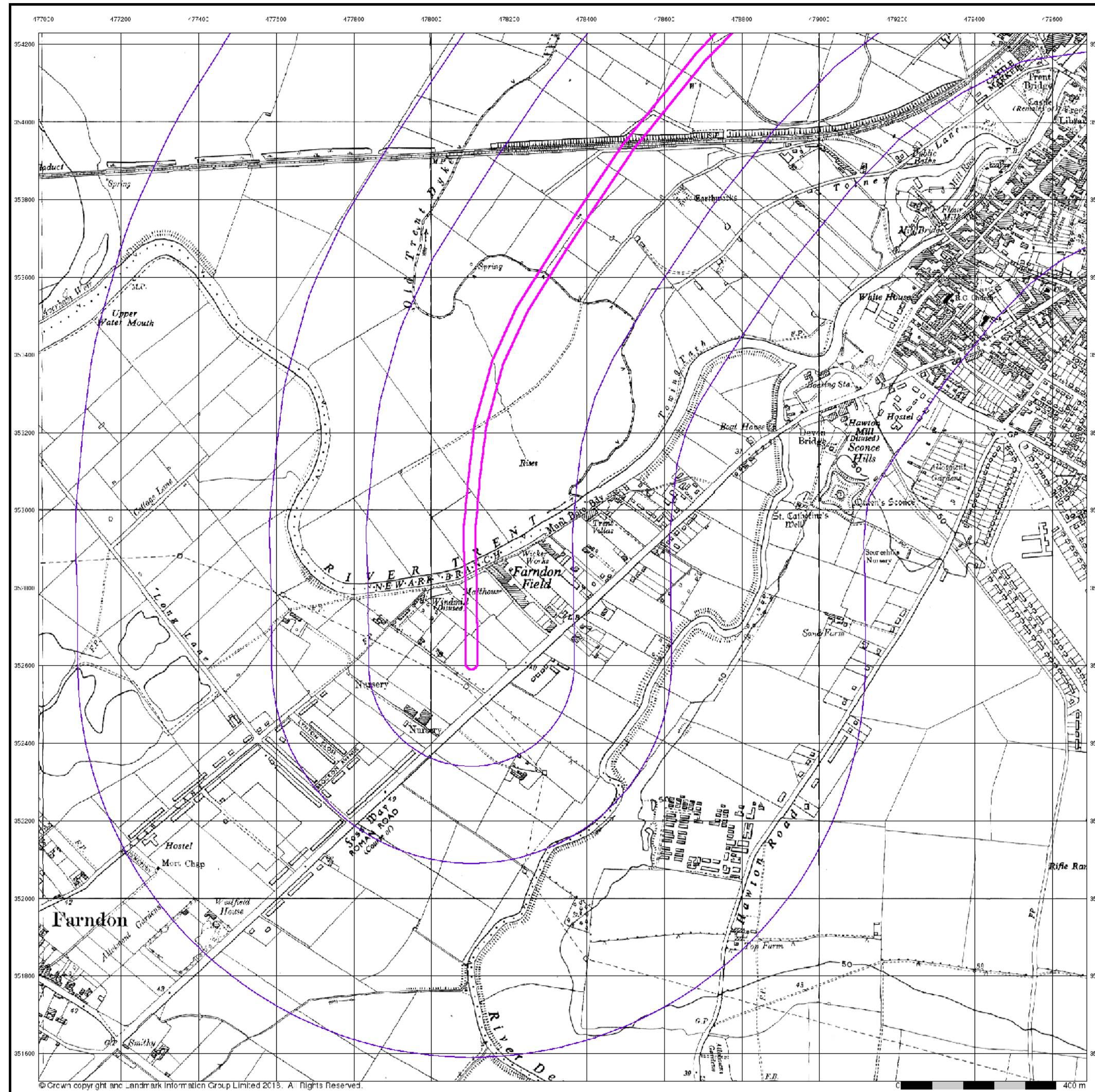


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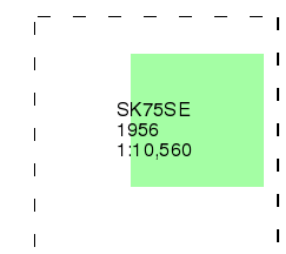
Ordnance Survey Plan

Published 1956

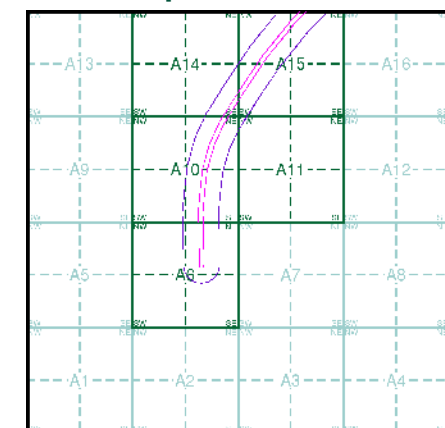
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Map Name(s) and Date(s)



Historical Map - Slice A

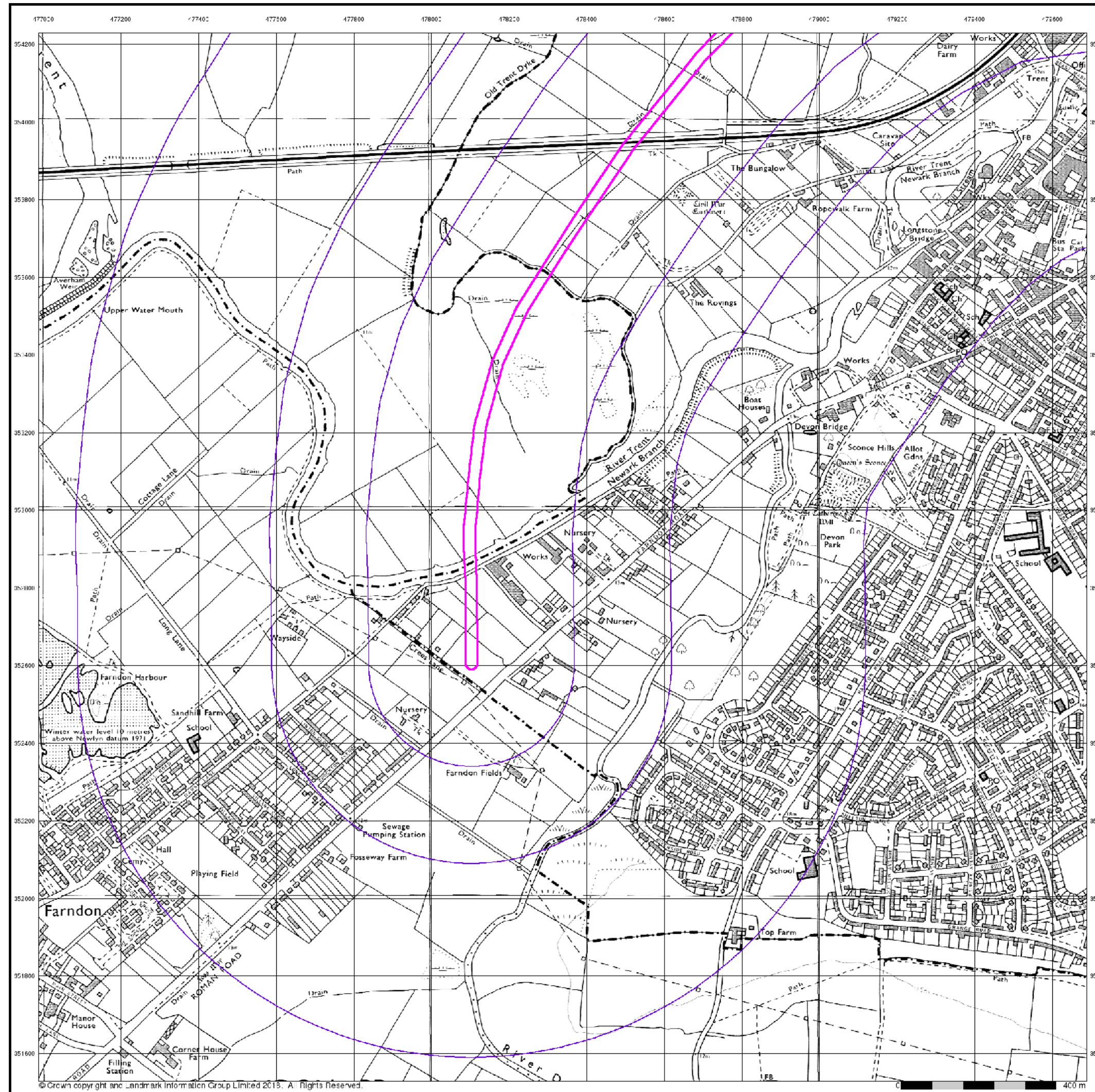


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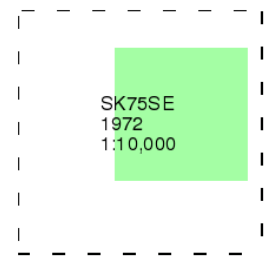


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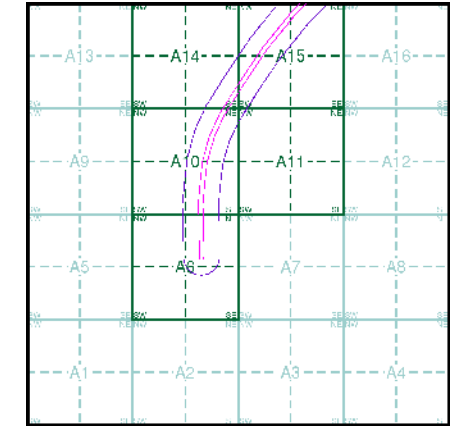
Ordnance Survey Plan Published 1972 Source map scale - 1:10,000

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Historical Map - Slice A

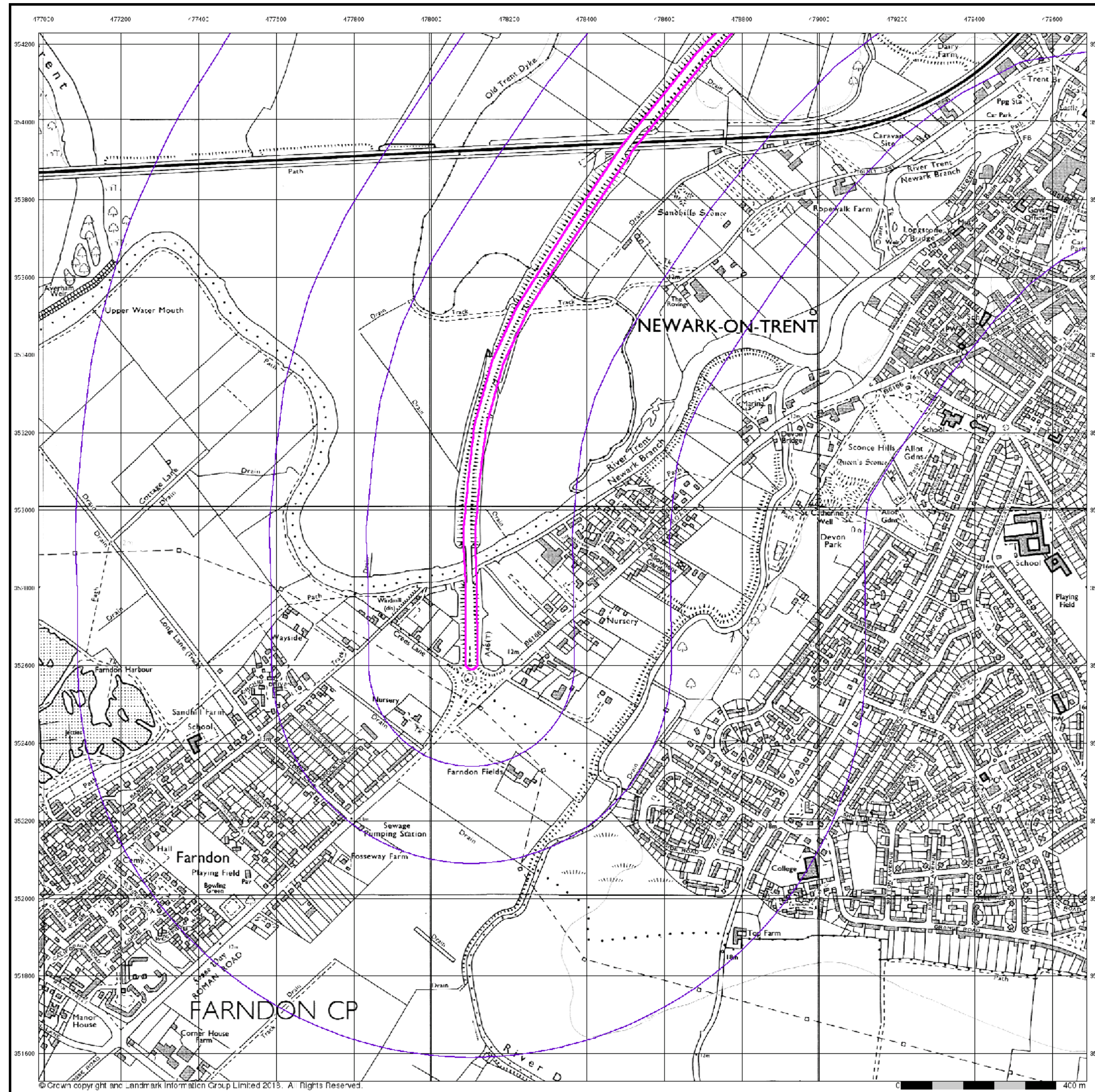


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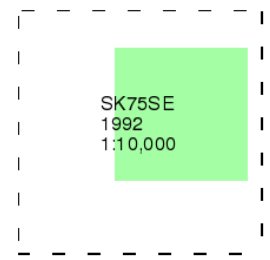
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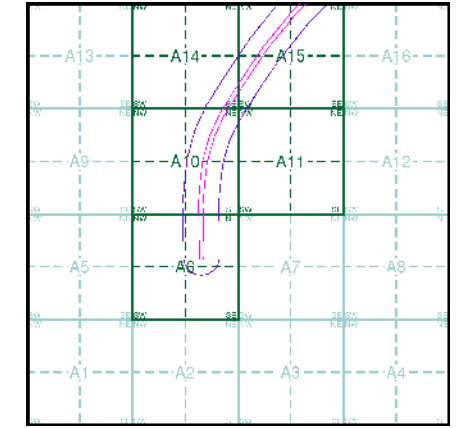
Ordnance Survey Plan
Published 1992
Source map scale - 1:10,000

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Historical Map - Slice A

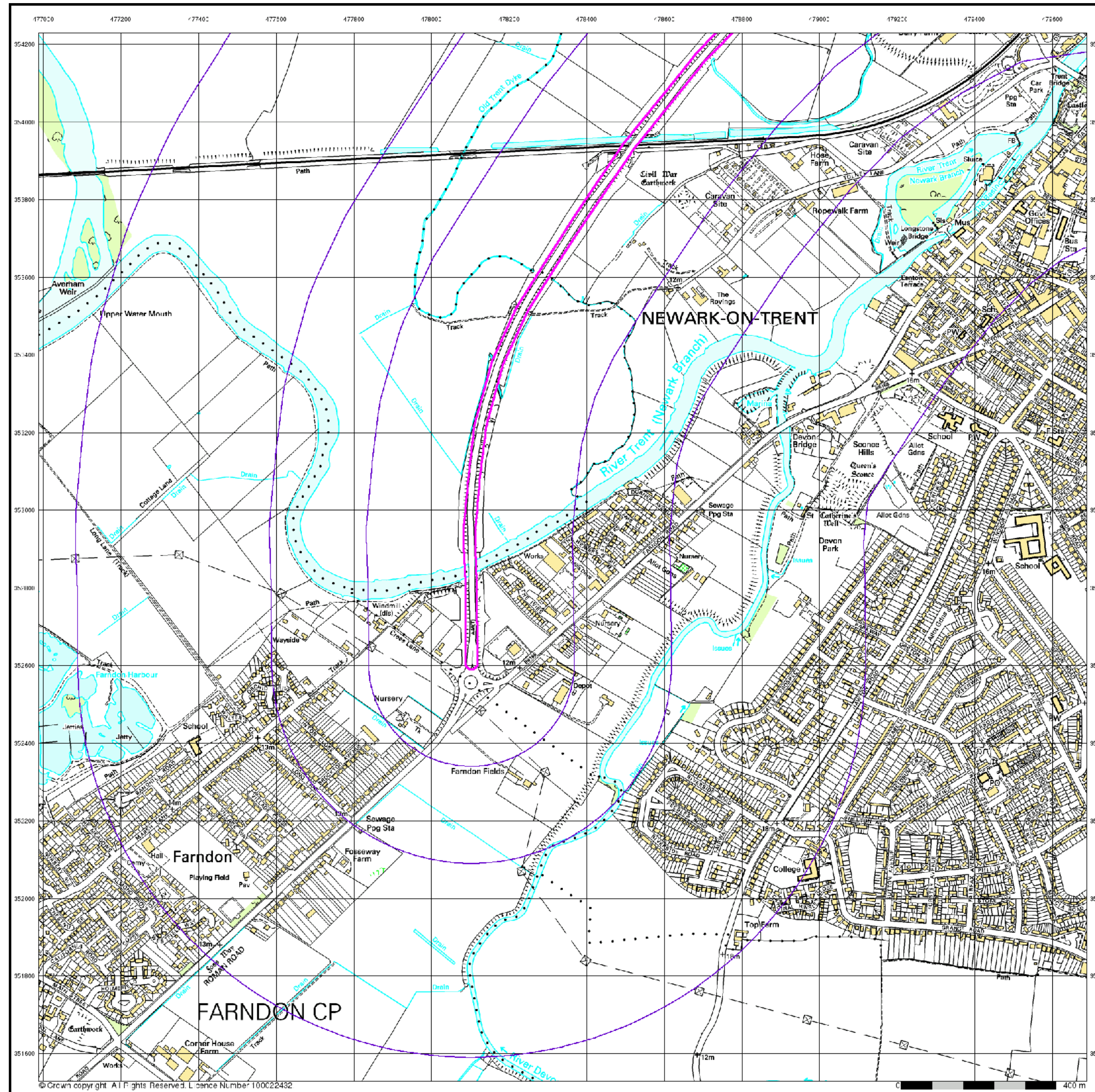


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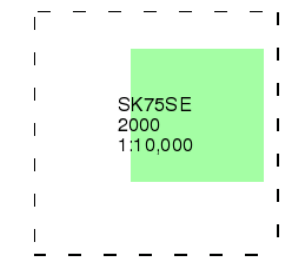
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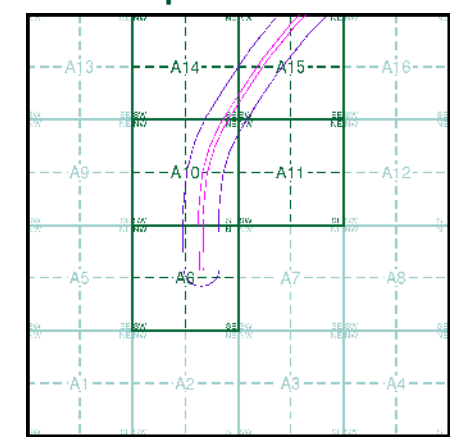
10k Raster Mapping
Published 2000
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

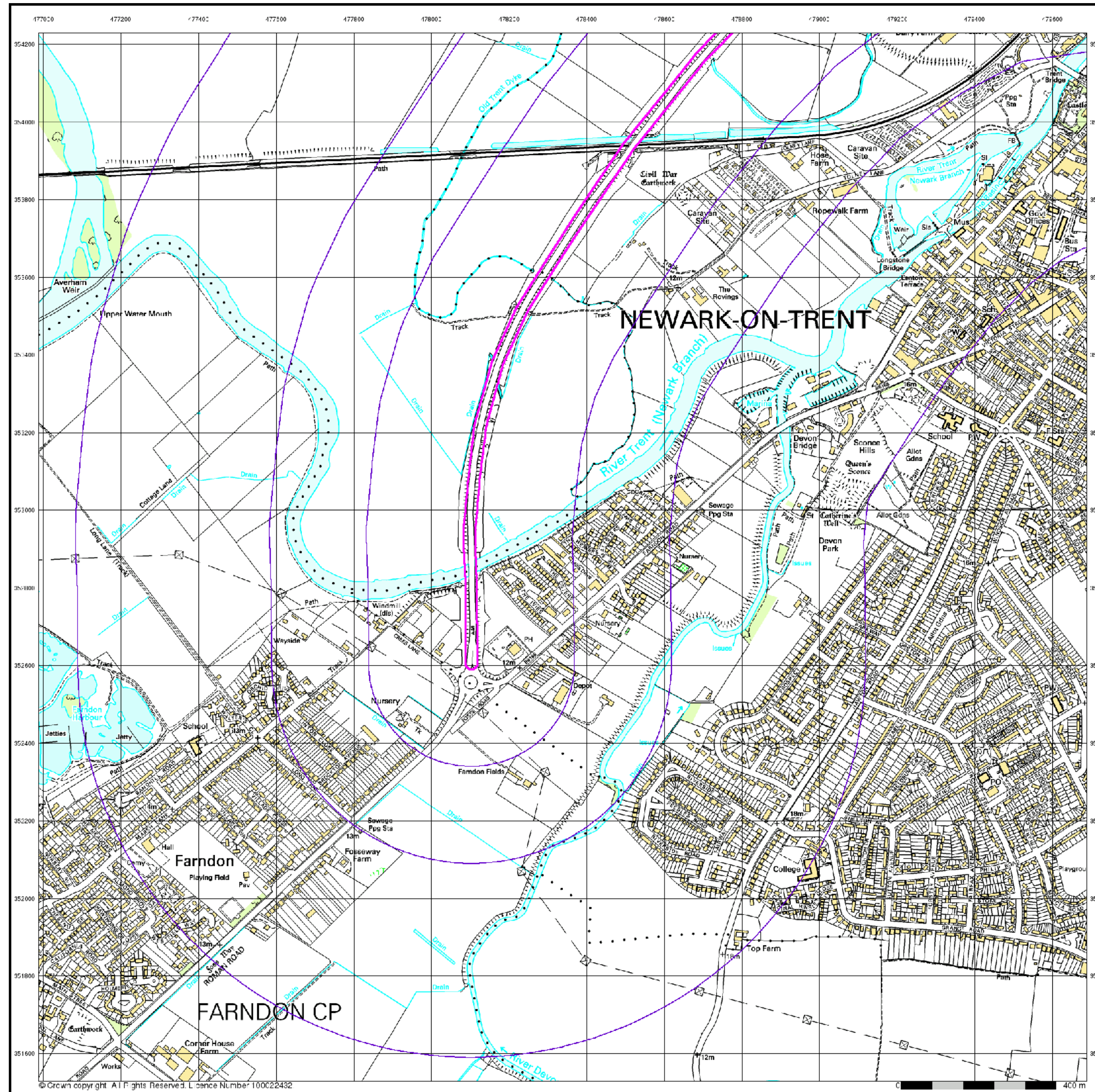
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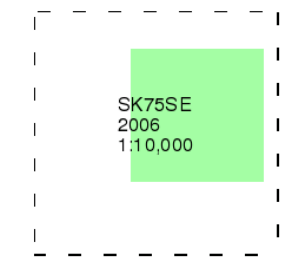
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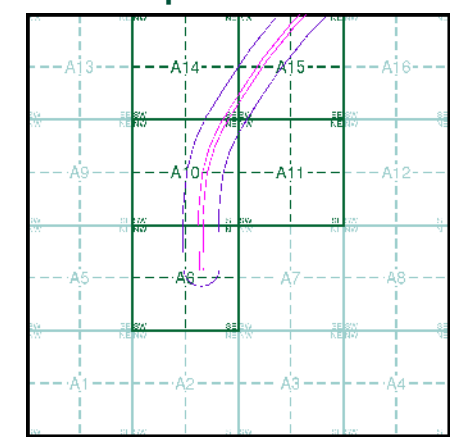
10k Raster Mapping
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Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

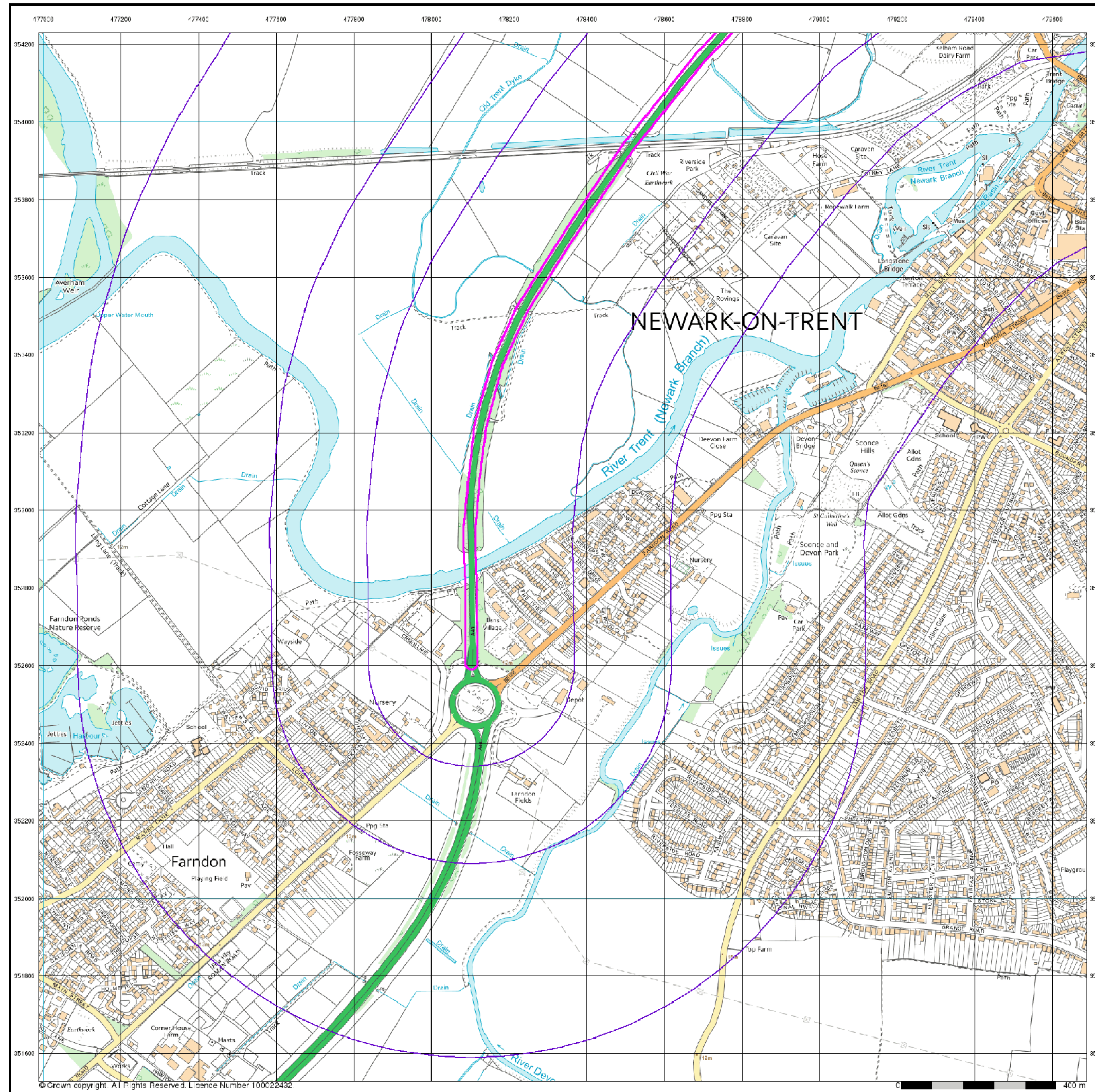


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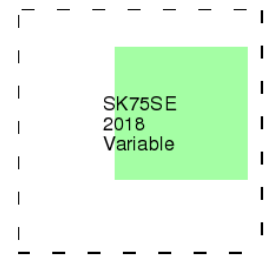


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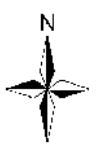
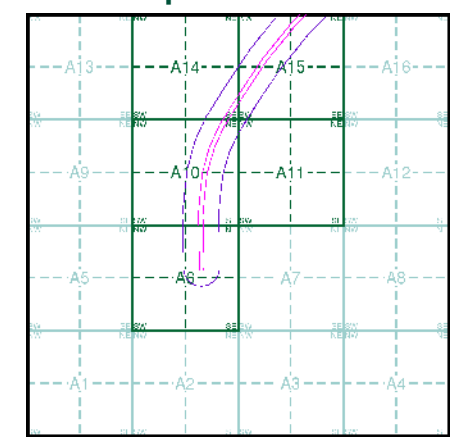
VectorMap Local
Published 2018
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

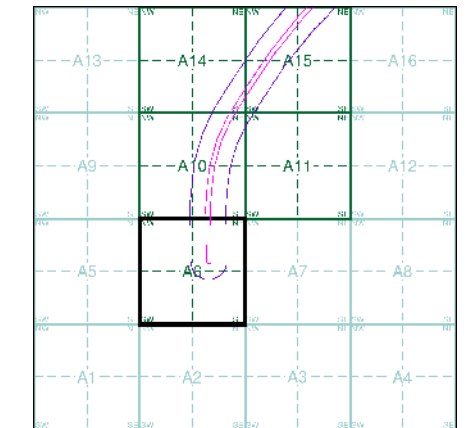
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
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 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A6

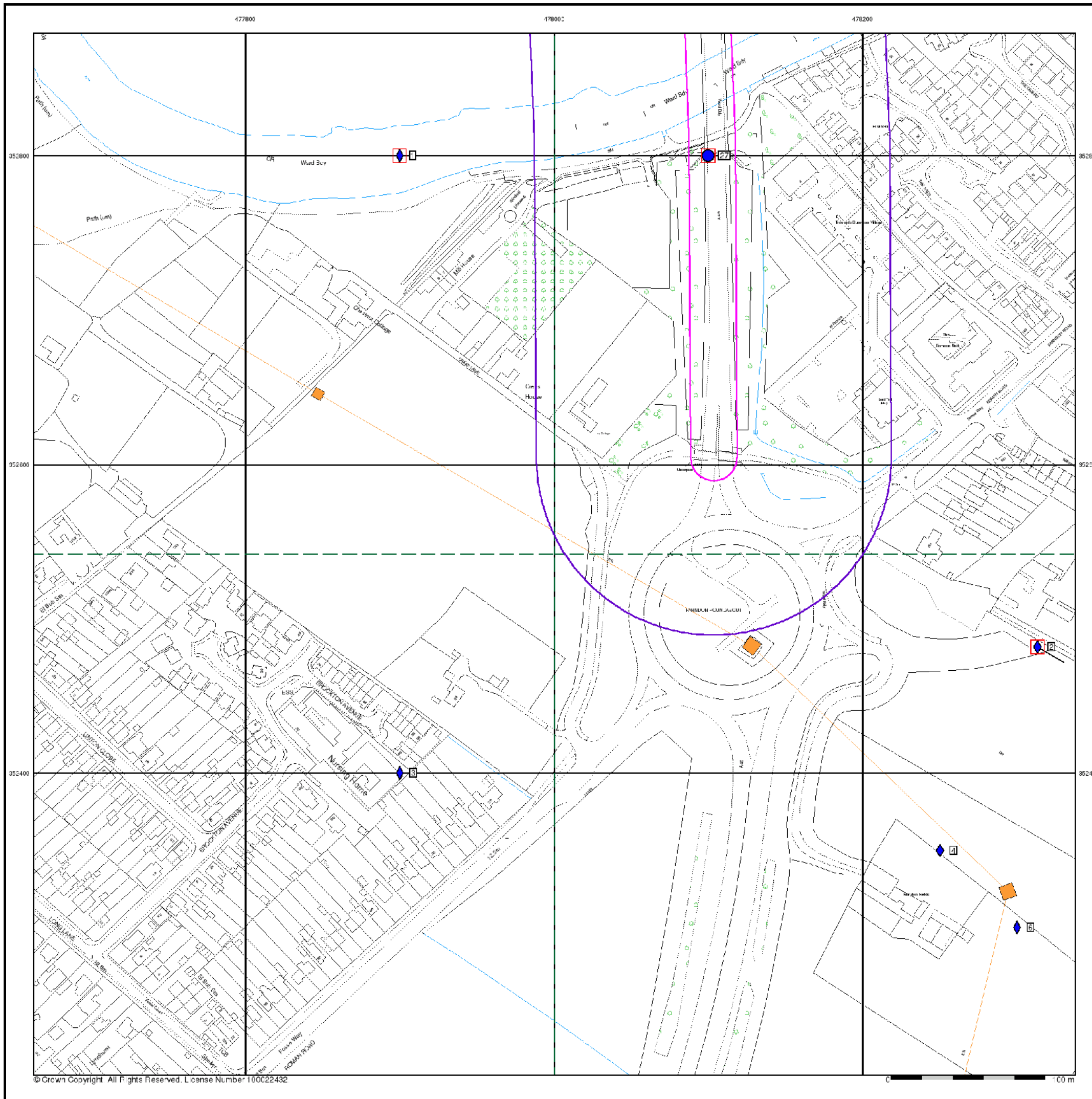


Order Details

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 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Plot Buffer (m): 100

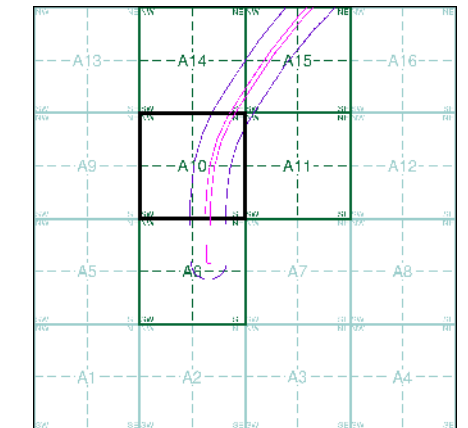
Site Details

A46, Newark, NG24 2PG



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
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 - Explosive Site
 - NIHHS Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A10

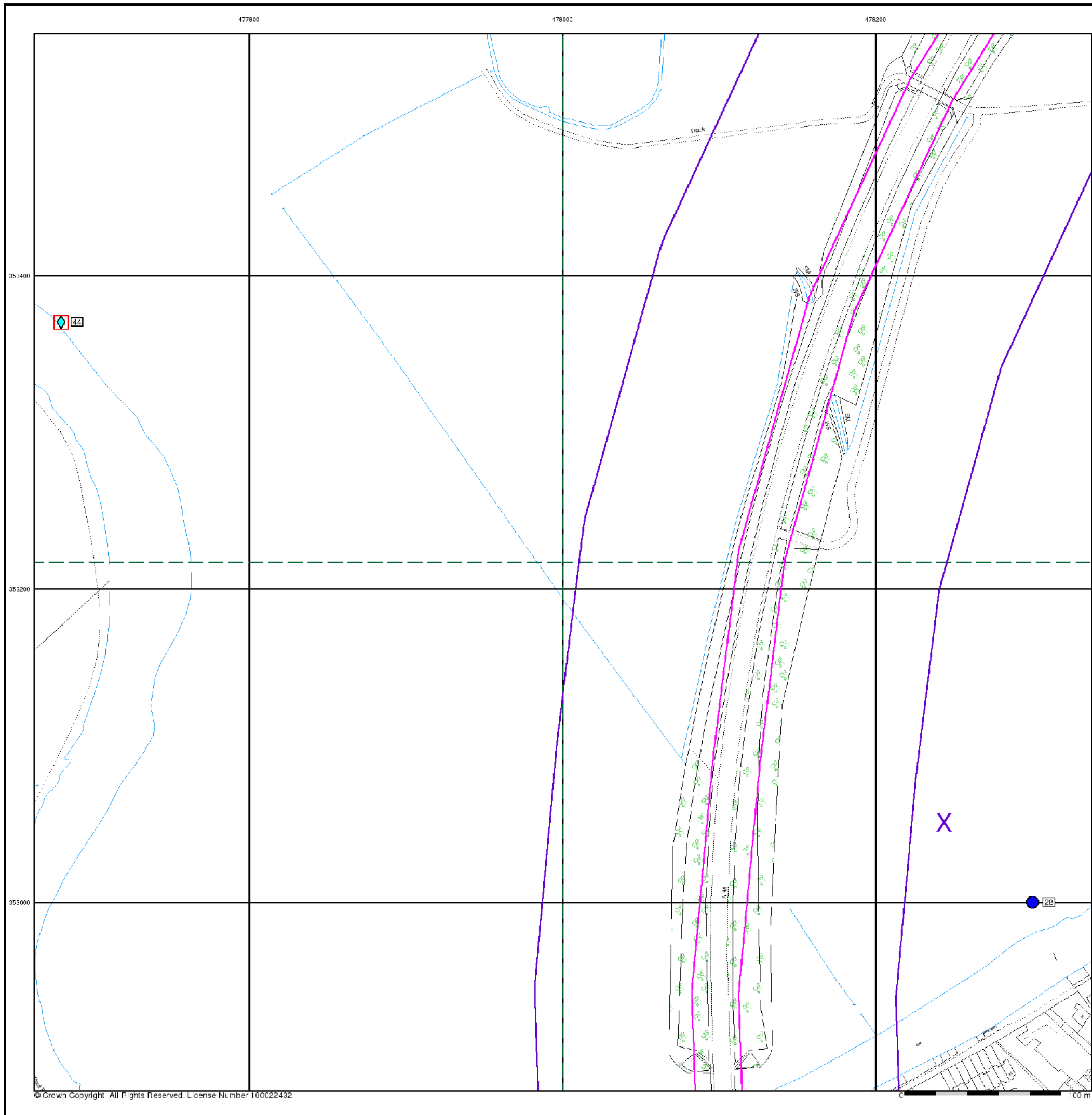


Order Details

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 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Plot Buffer (m): 100

Site Details

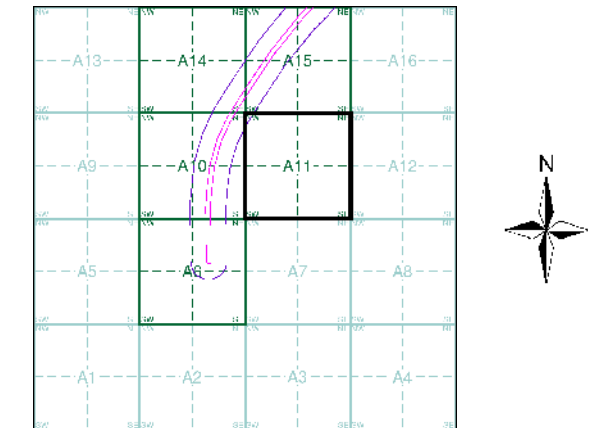
A46, Newark, NG24 2PG



General

- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- ## Agency and Hydrological
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
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 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- ## Hazardous Substances
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- ## Geological
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A11

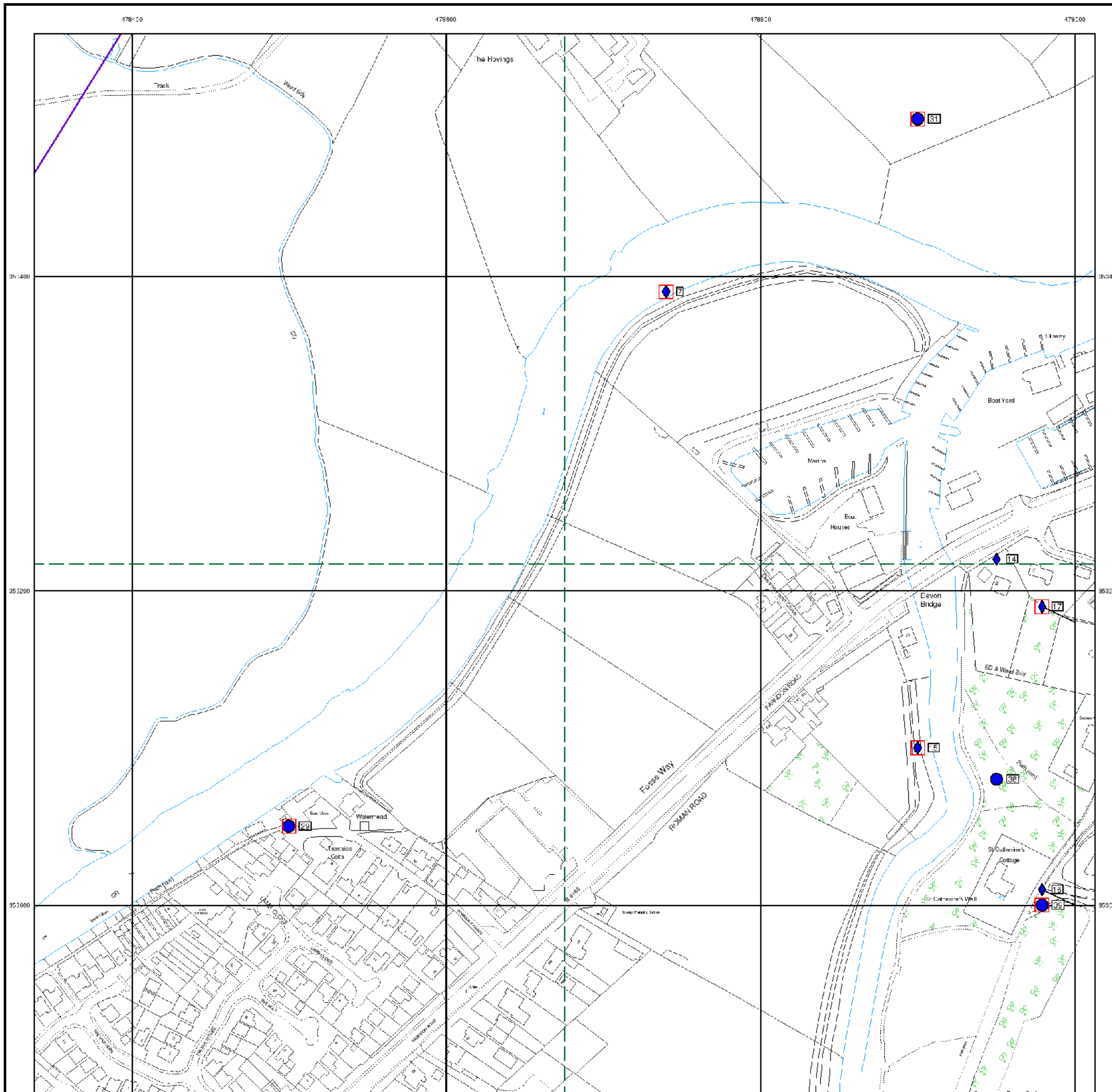


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Plot Buffer (m): 100

Site Details

A46, Newark, NG24 2PG



General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
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- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
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- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

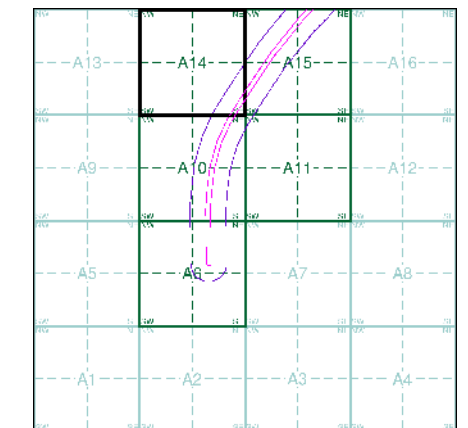
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A14

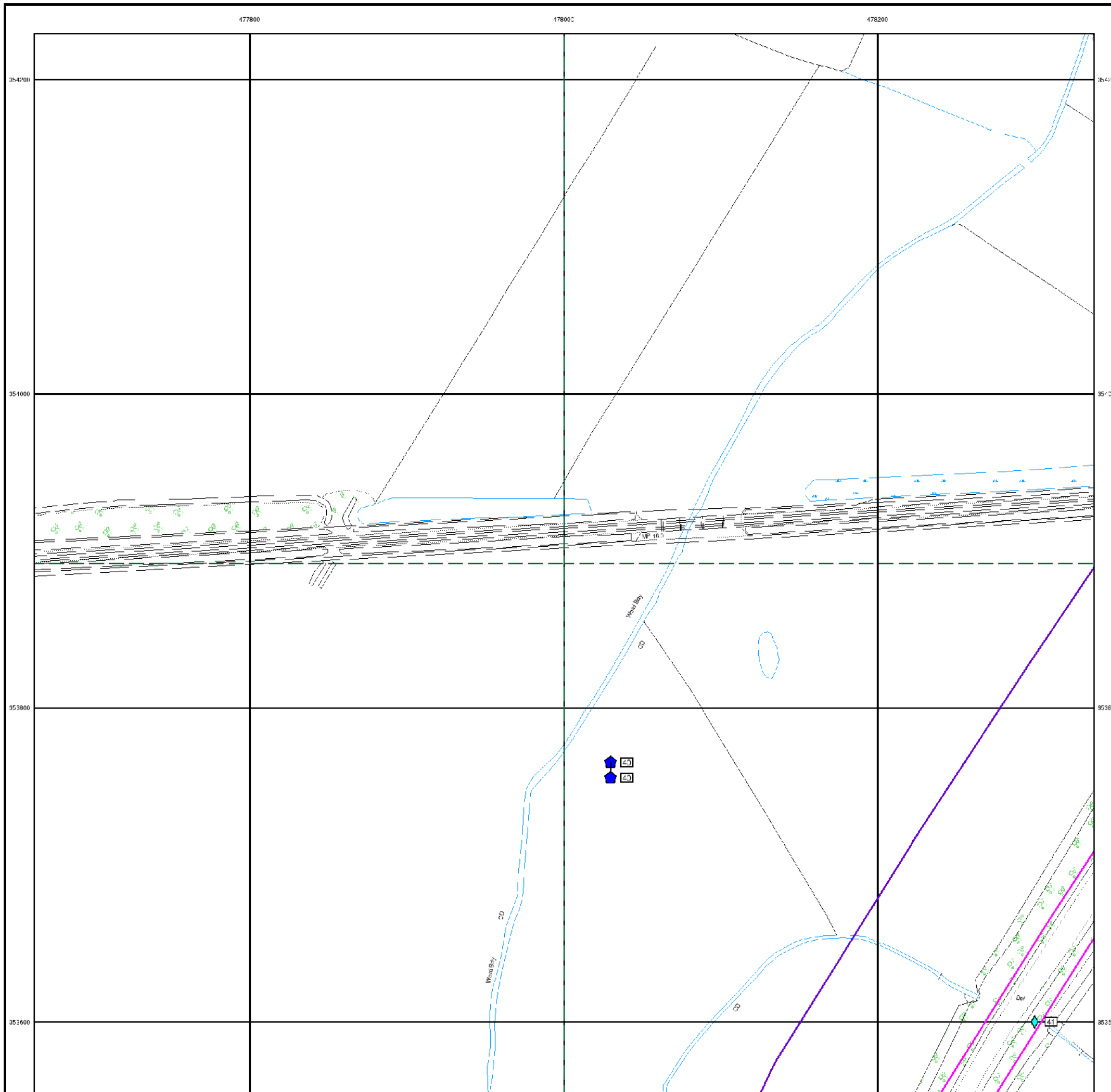


Order Details

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 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Plot Buffer (m): 100

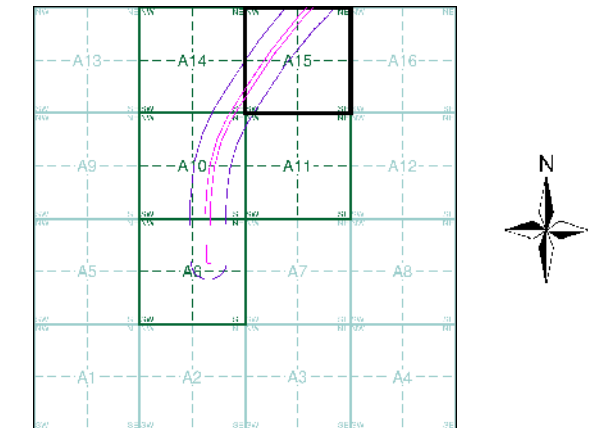
Site Details

A46, Newark, NG24 2PG



- General**
- Specified Site
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 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
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 - Registered Waste Treatment or Disposal Site
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- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A15

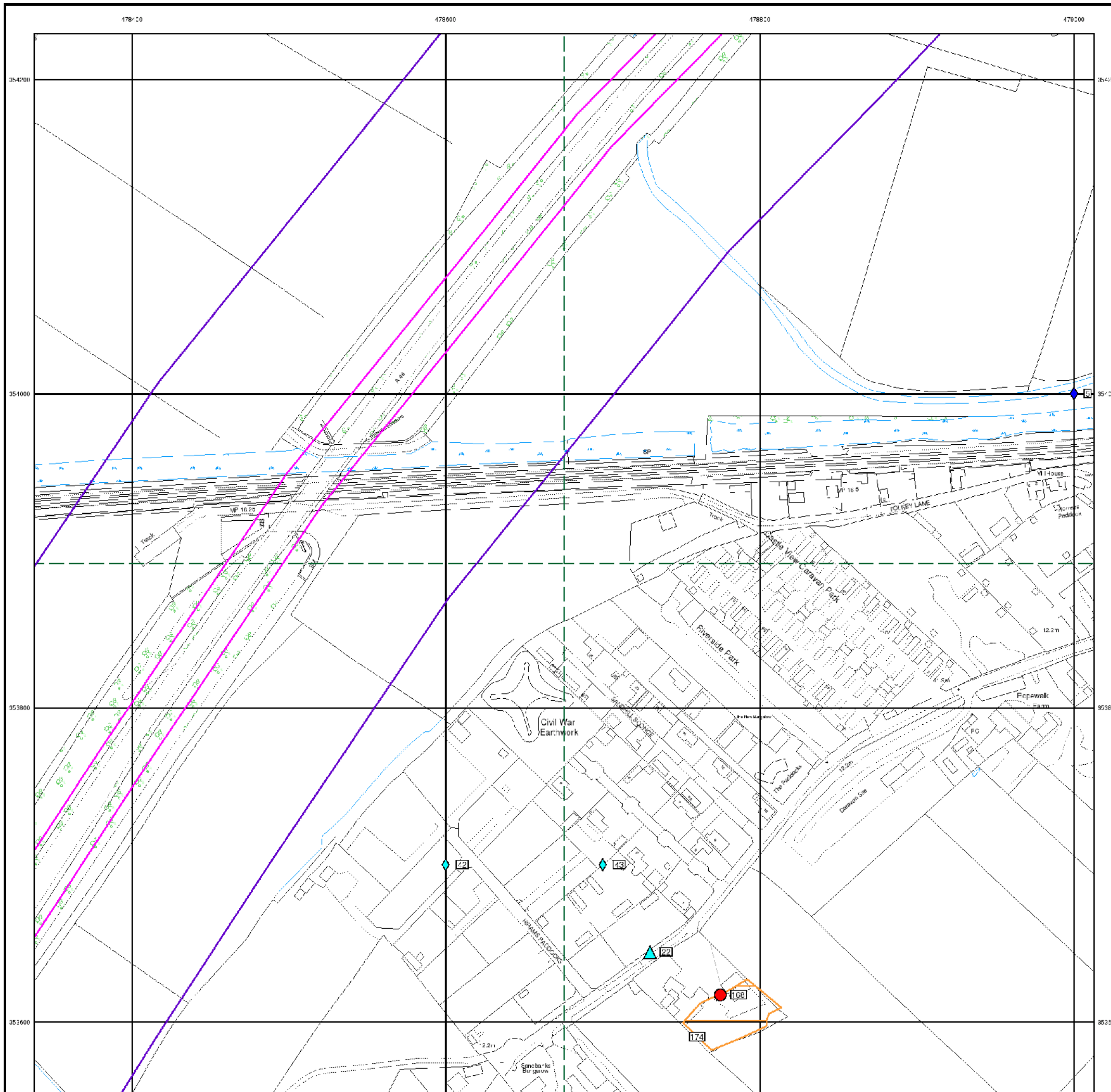


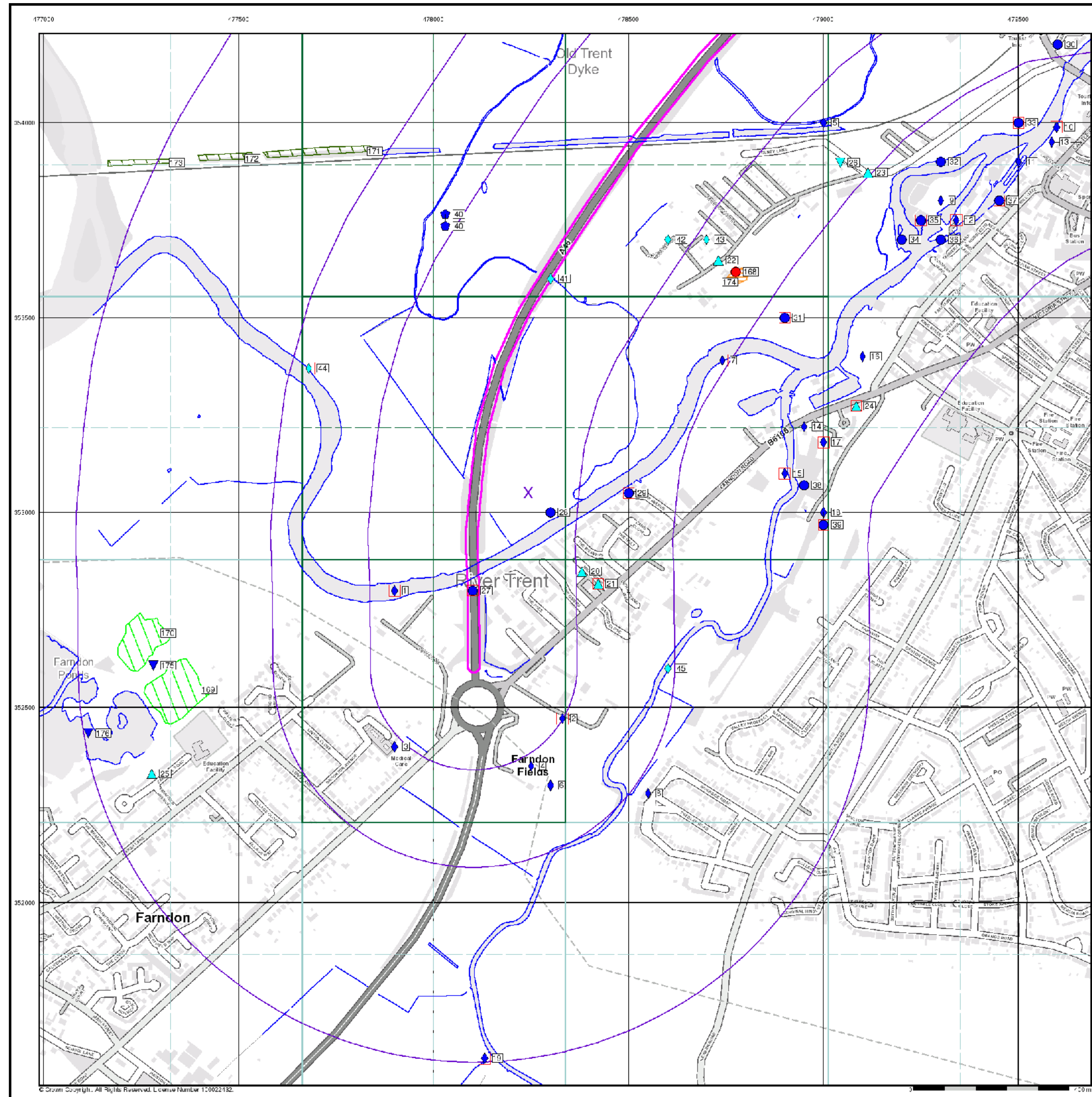
Order Details

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 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Plot Buffer (m): 100

Site Details

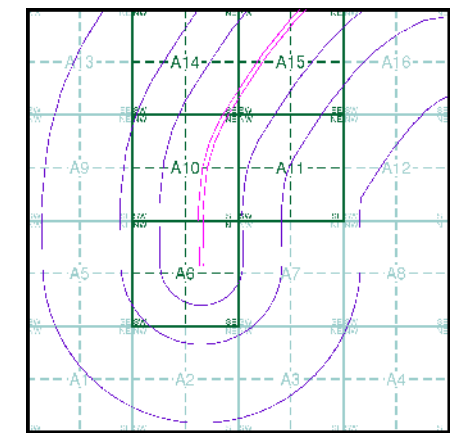
A46, Newark, NG24 2PG





- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
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 - Contaminated Land Register Entry or Notice
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 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

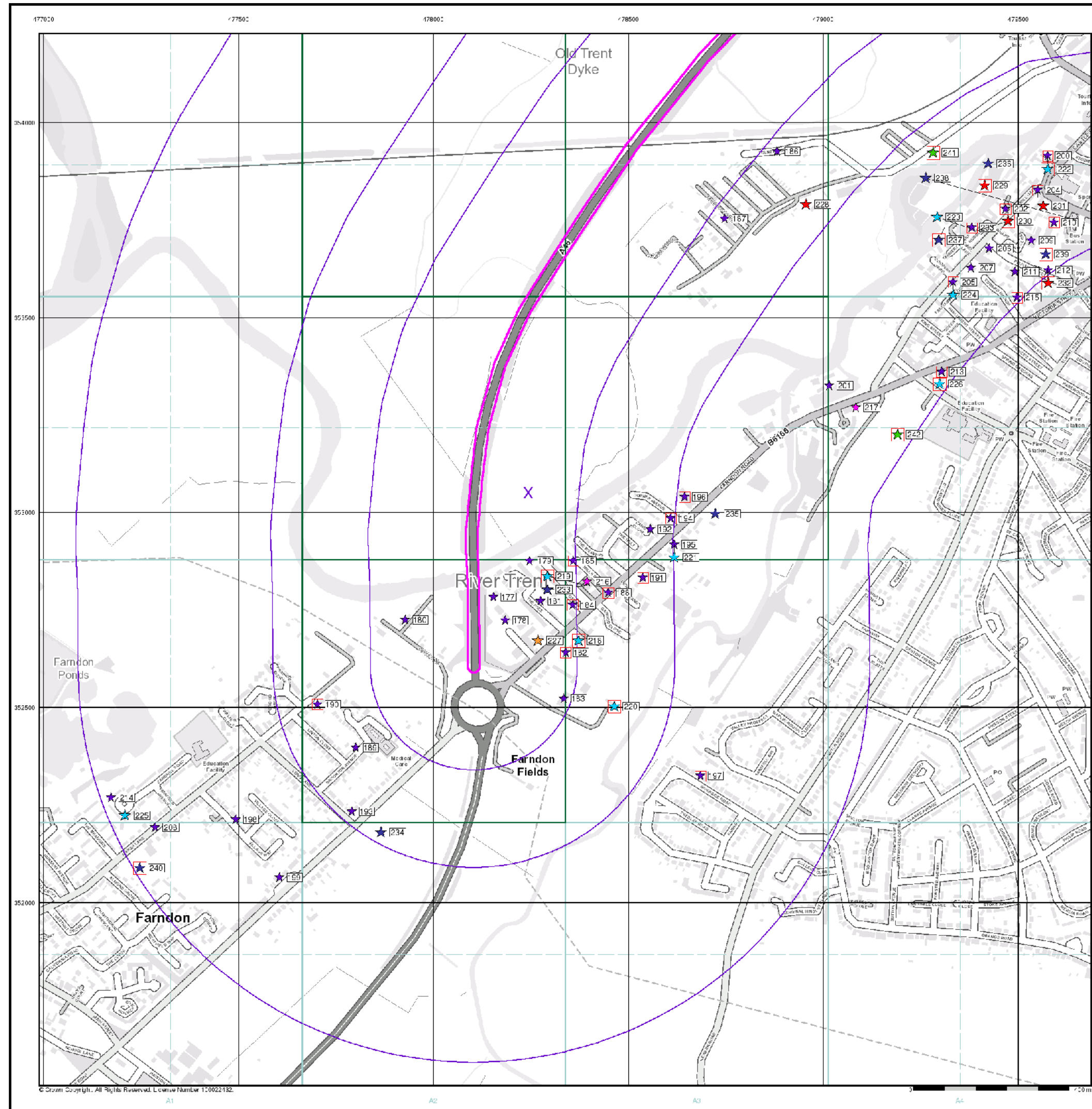
Site Sensitivity Map - Slice A



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details
 A46, Newark, NG24 2PG



Industrial Land Use Map

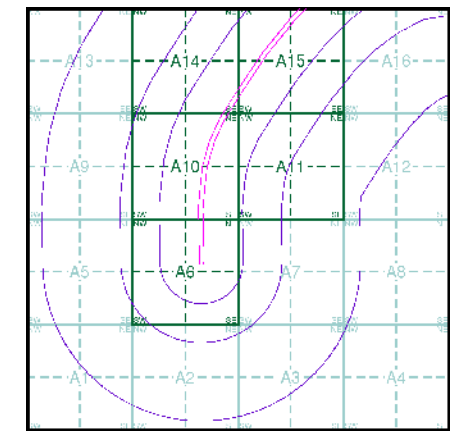
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
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 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG



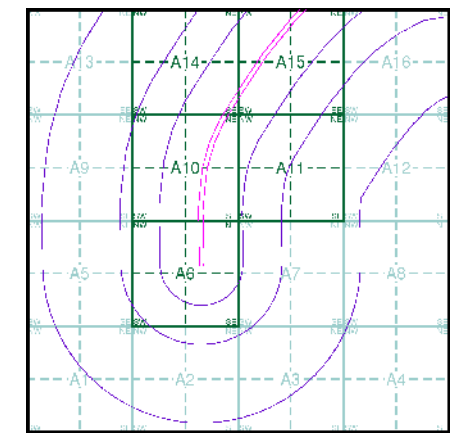
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A

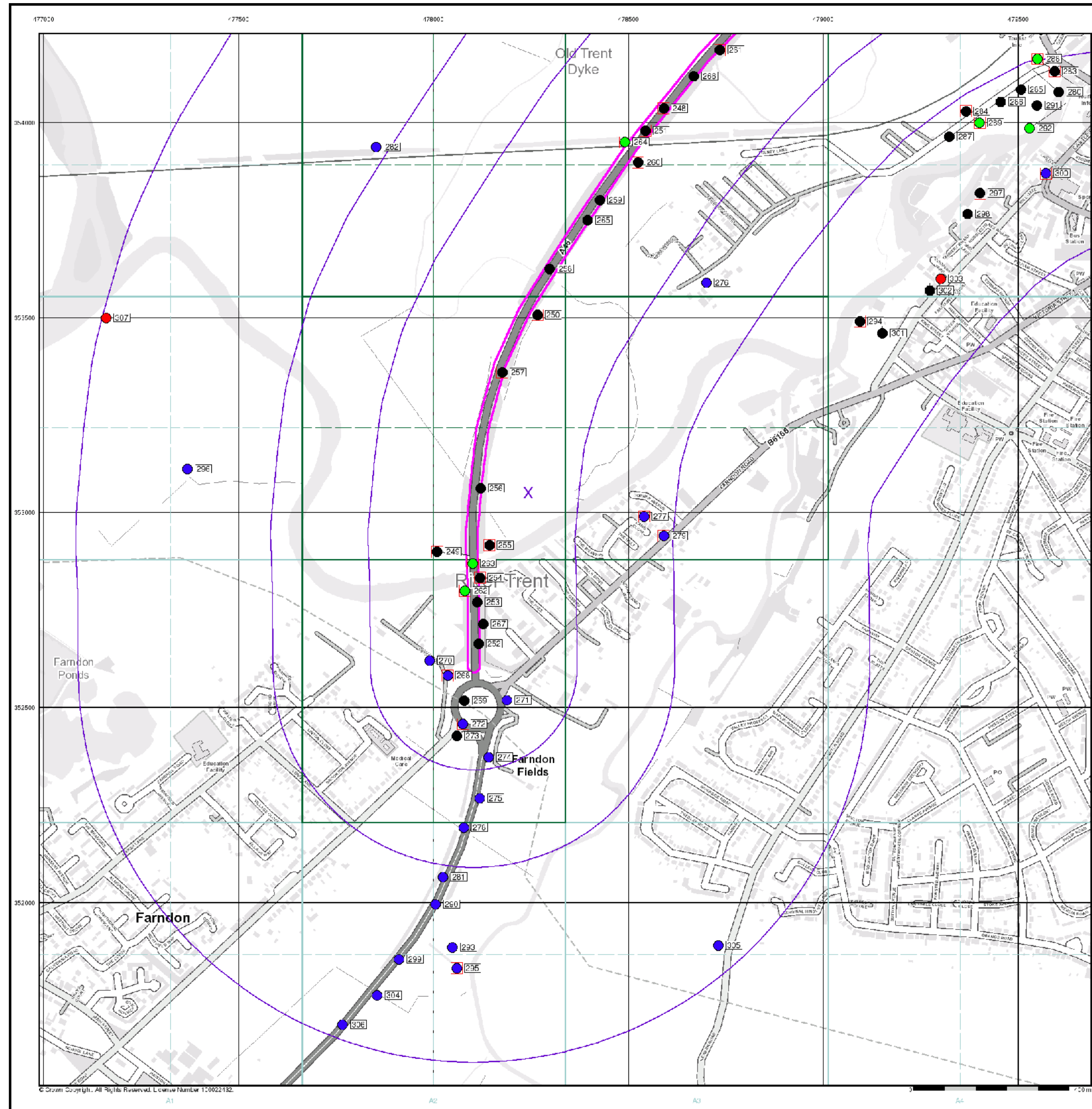


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Site Details

A46, Newark, NG24 2PG



General

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- Map ID
- Several of Type at Location

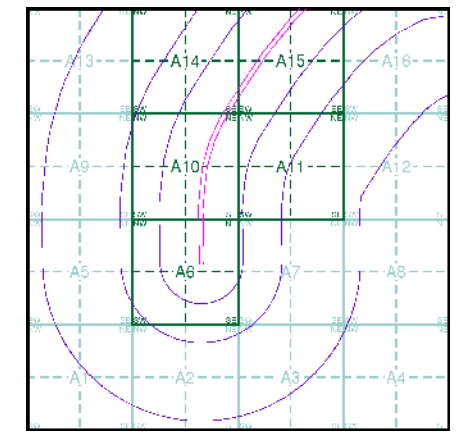
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

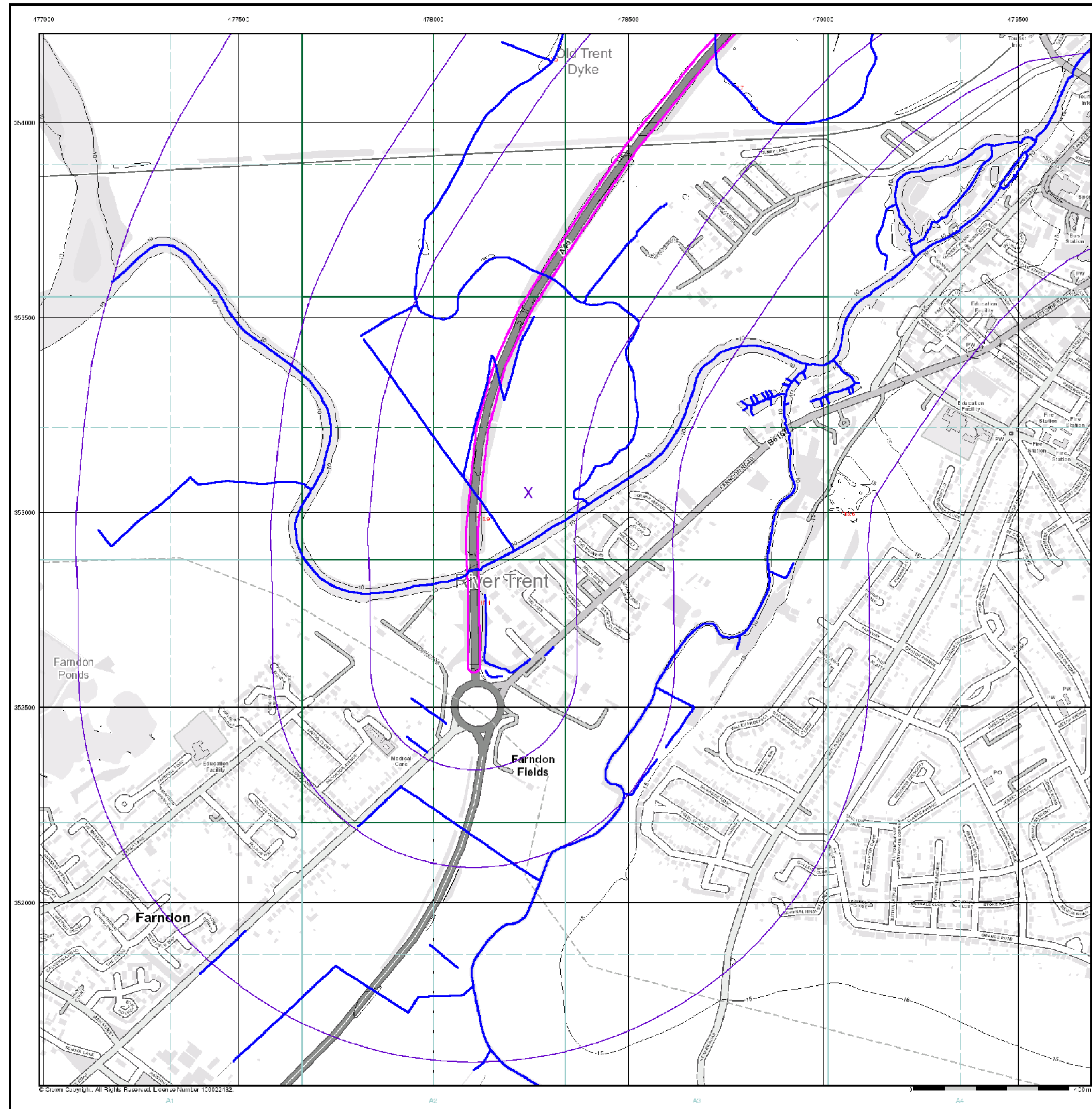


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 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG



General

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

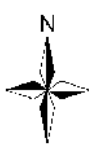
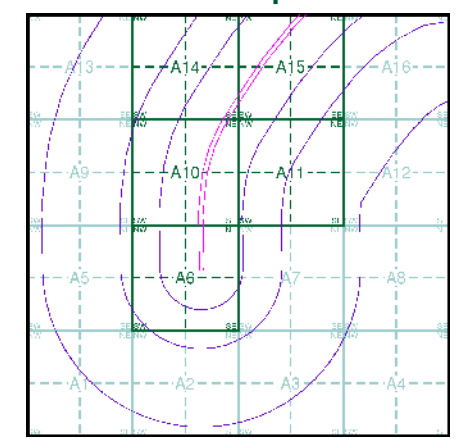
OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour 105 100 95
- Spot Height 167.3
- Mean Low Water
- Mean High Water

OS Water Network Map - Slice A

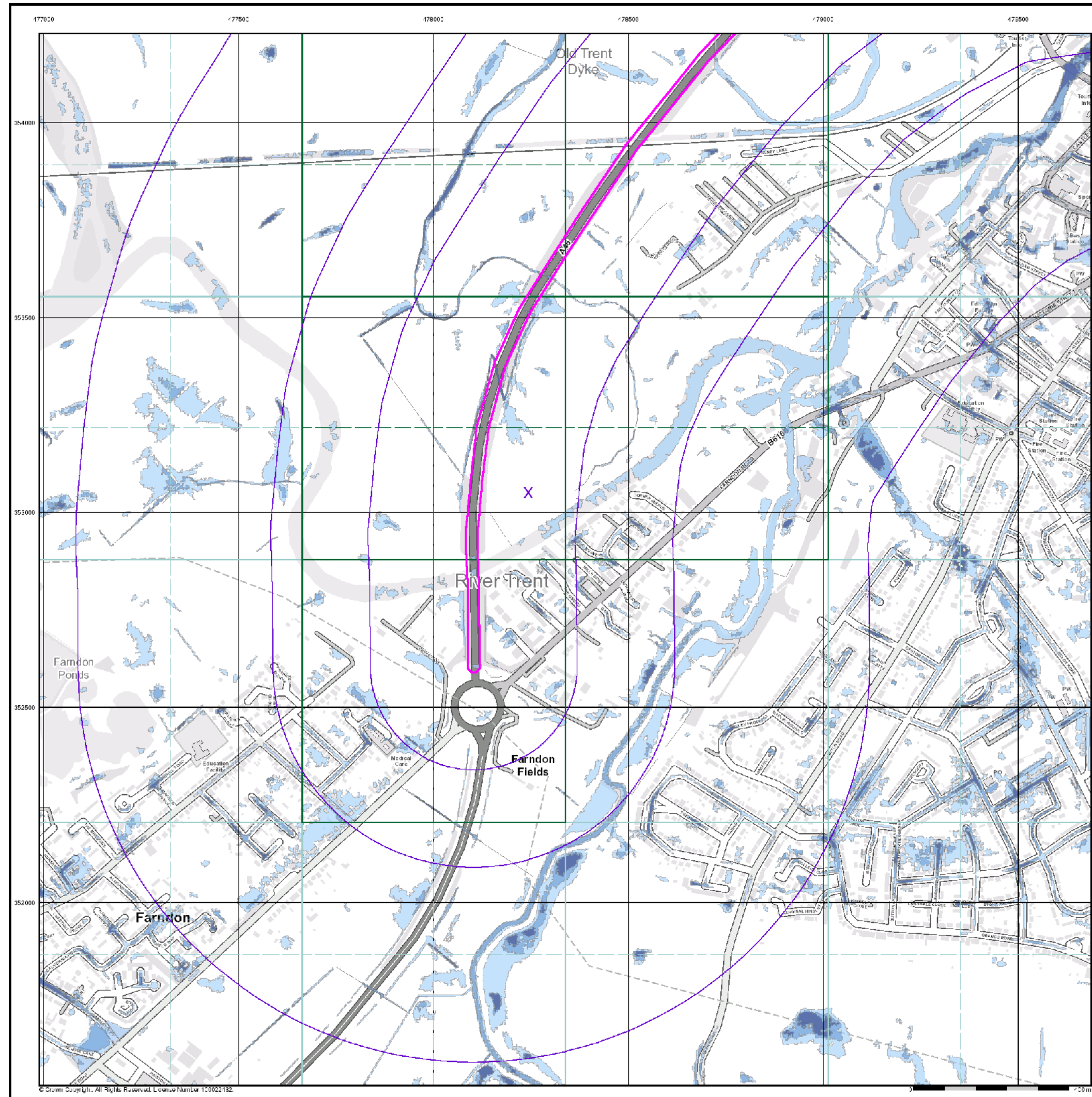


Order Details

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 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG

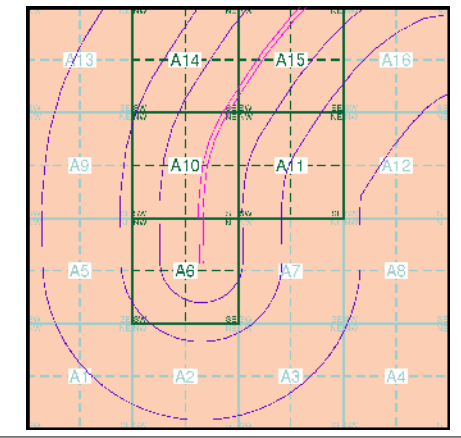


- General**
- Specified Site
 - Specified Buffer(s)
 - X Bearing Reference Point

- Risk of Flooding from Surface Water**
- High - 30 Year Return
 - Medium - 100 Year Return
 - Low - 1000 Year Return

- Suitability**
- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

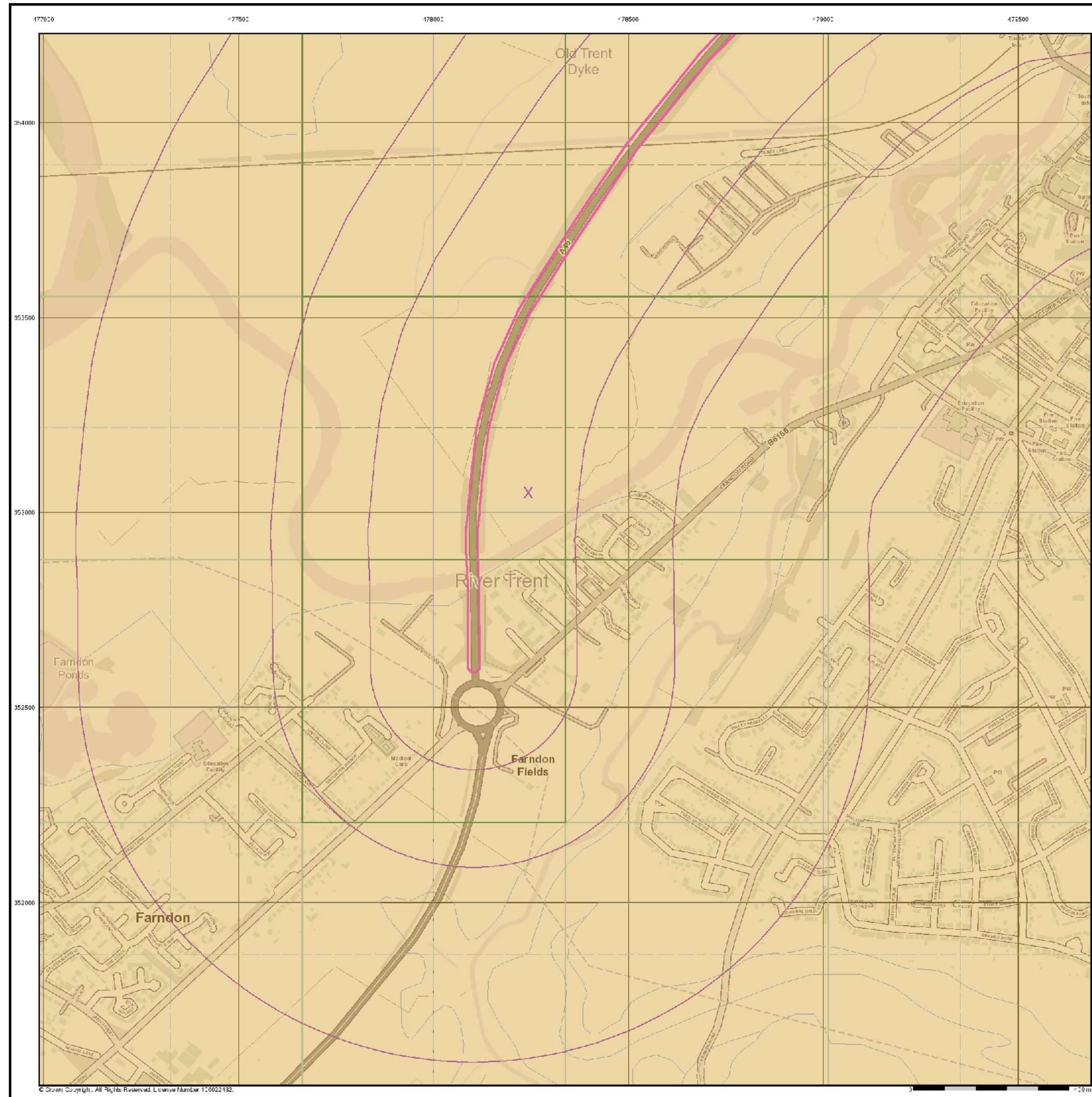
EANRW Suitability Map - Slice A



Order Details

Order Number: 172582399_1_1
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 Slice: A
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Site Details
 A46, Newark, NG24 2PG

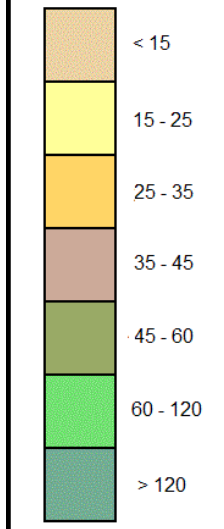


General

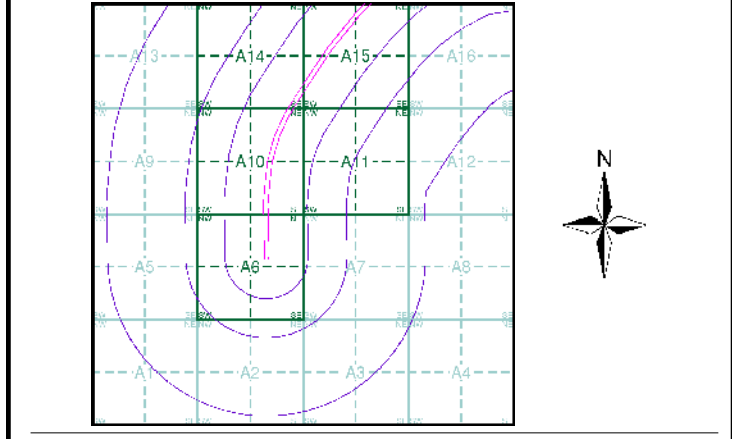
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

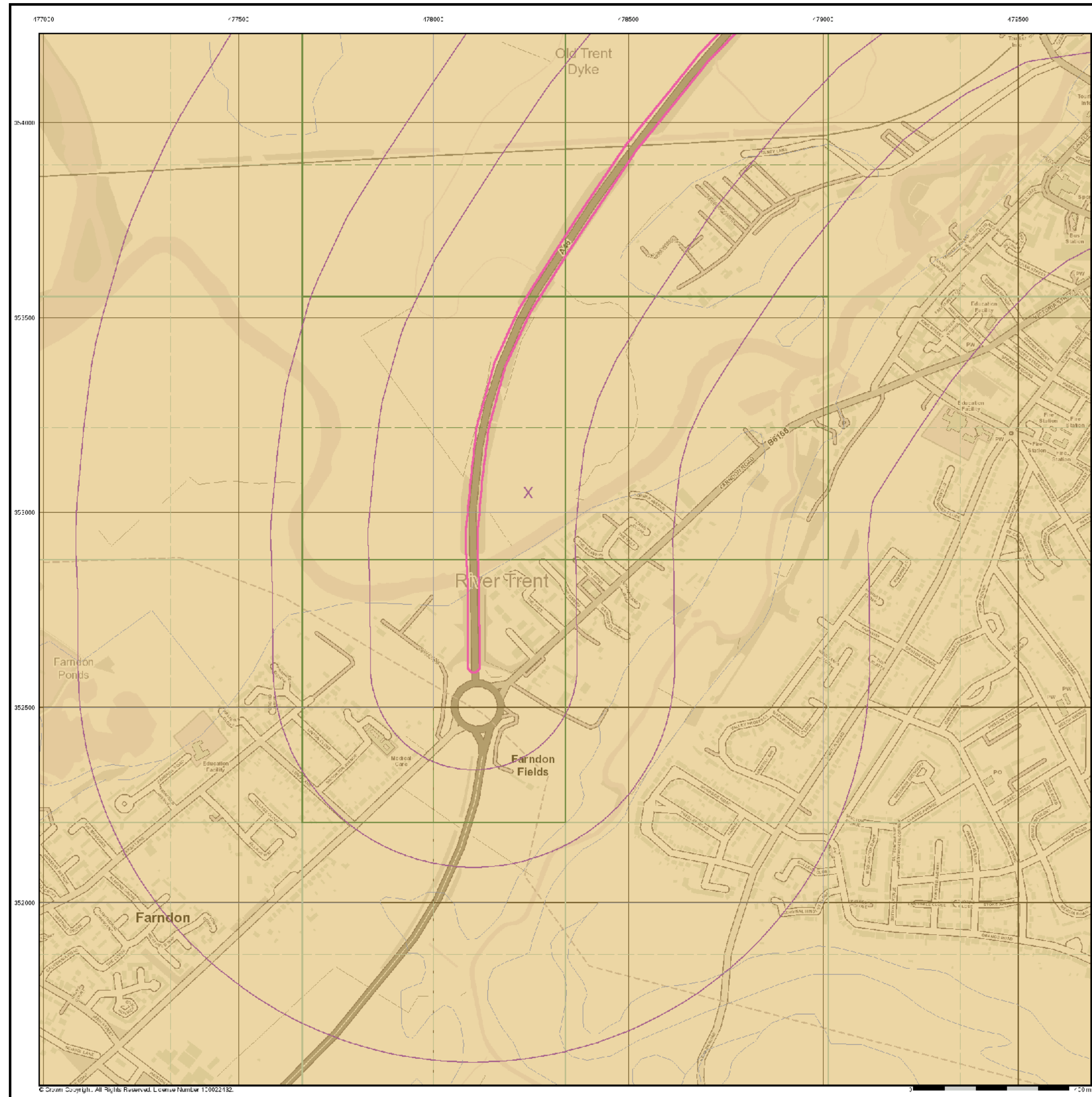


Order Details

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Site Details

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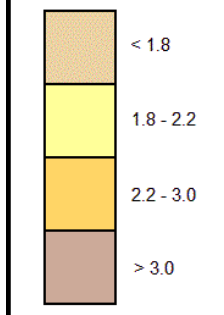


General

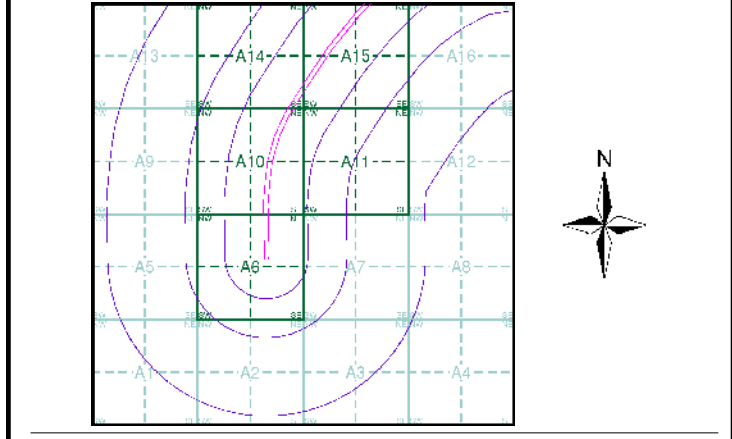
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

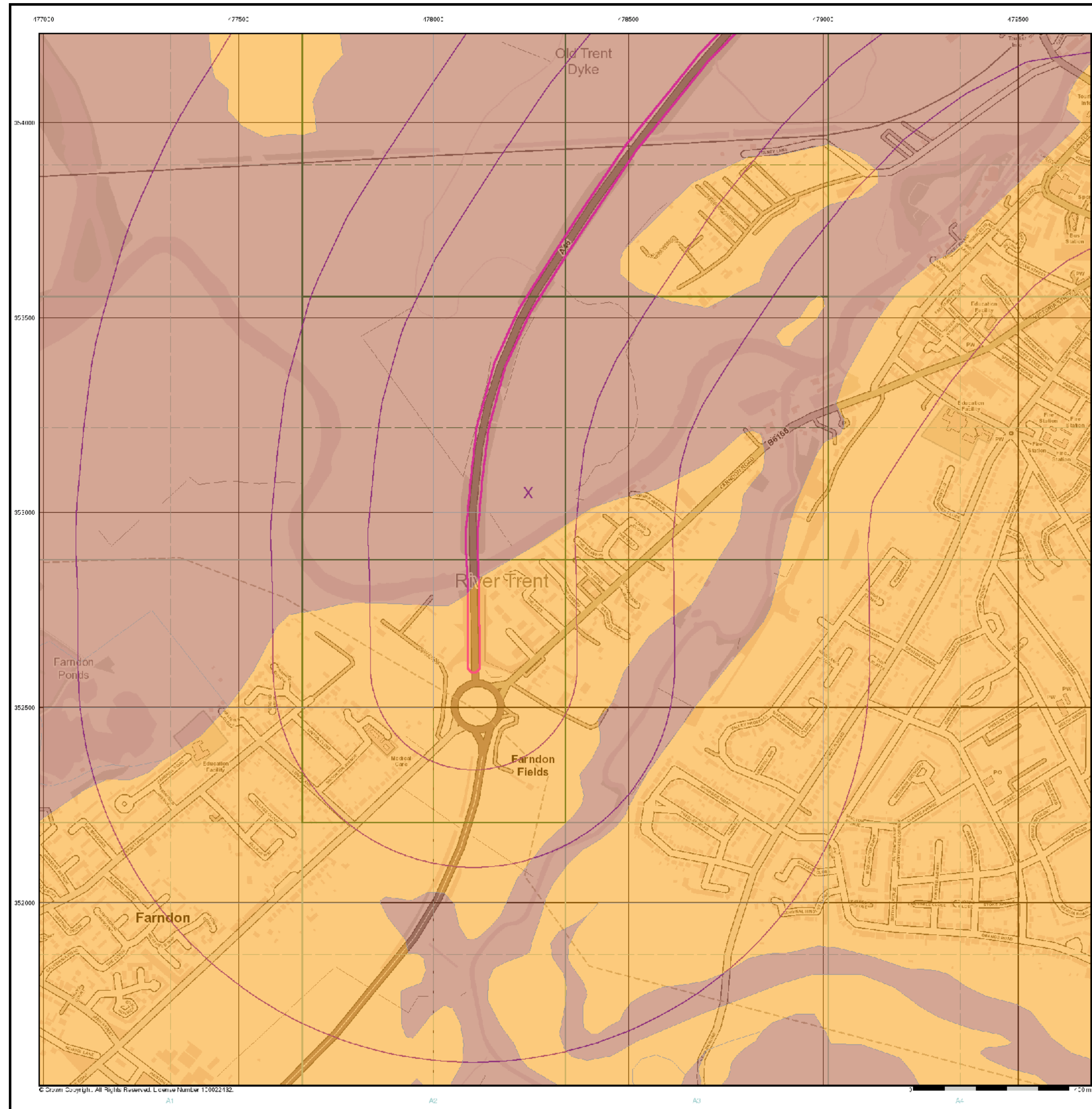


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 Site Area (Ha): 21.45
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Site Details

A46, Newark, NG24 2PG

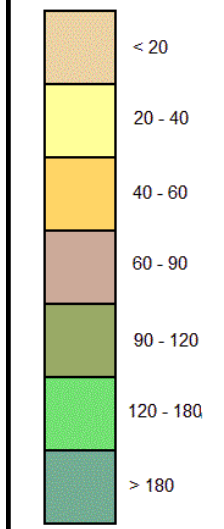


General

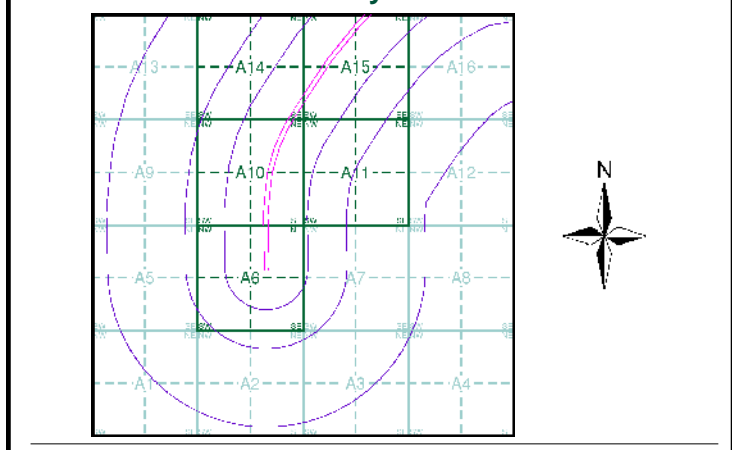
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

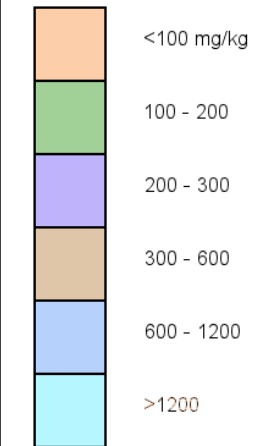
A46, Newark, NG24 2PG

General

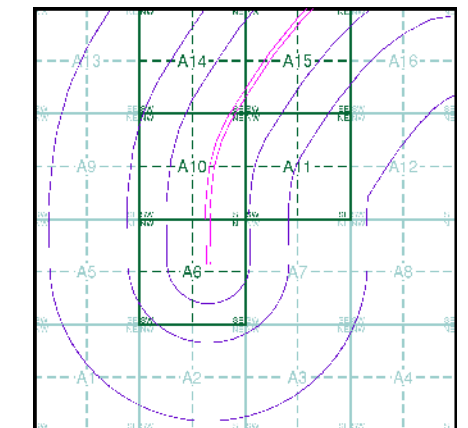
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

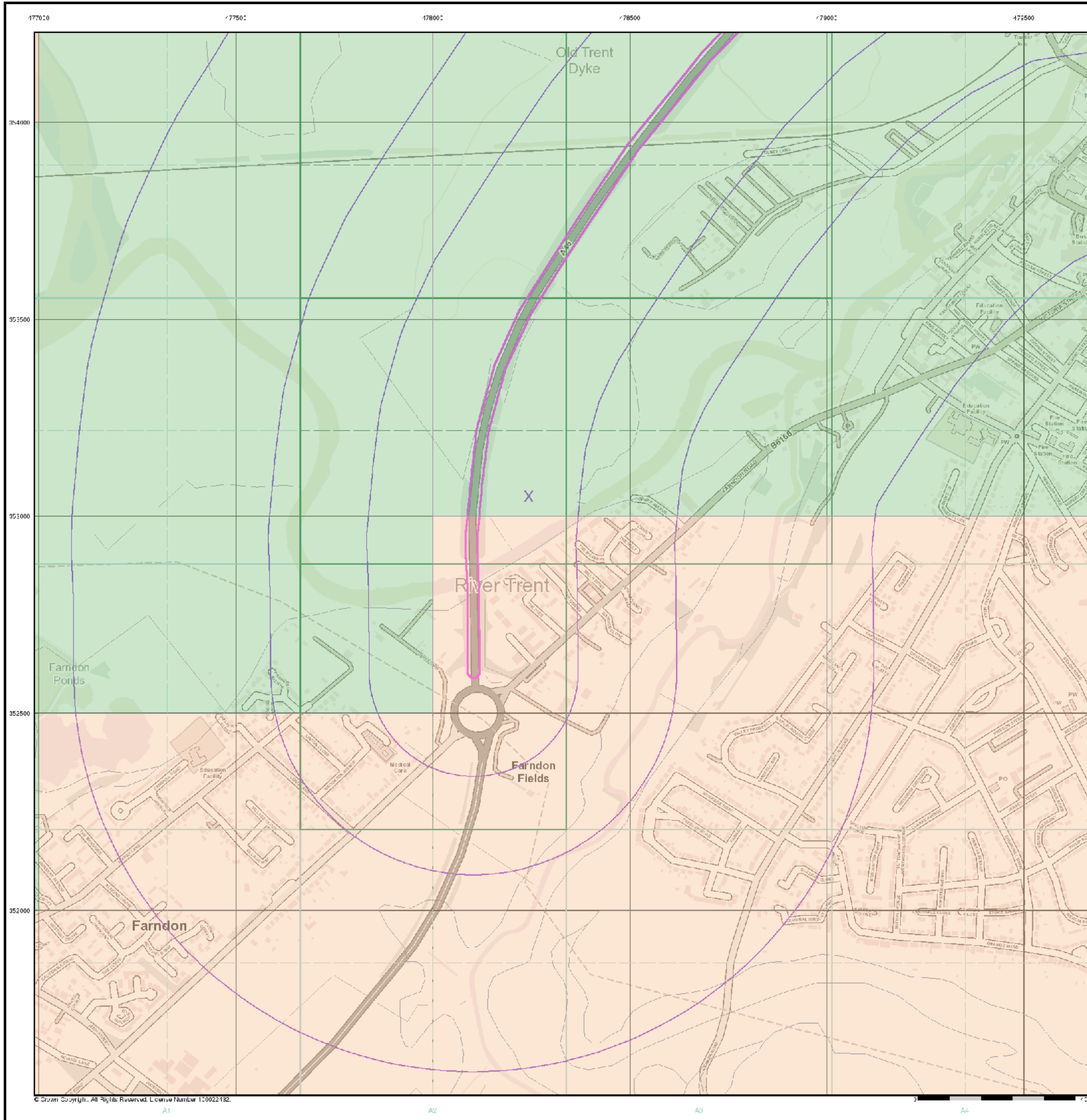


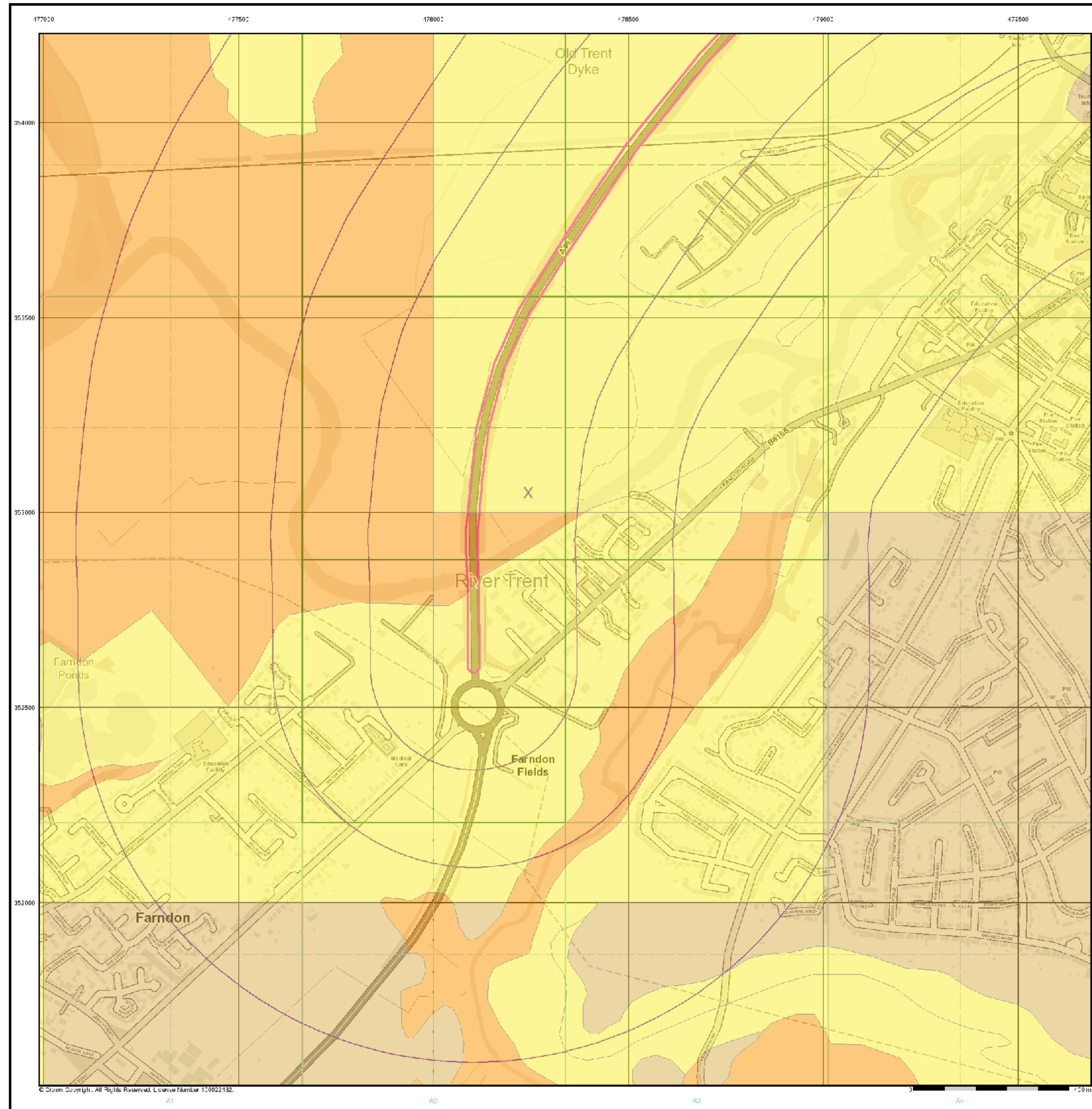
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 Search Buffer (m): 1000

Site Details

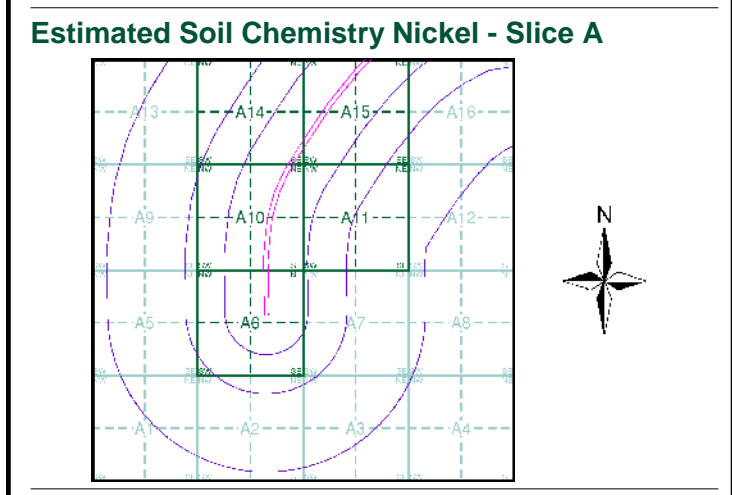
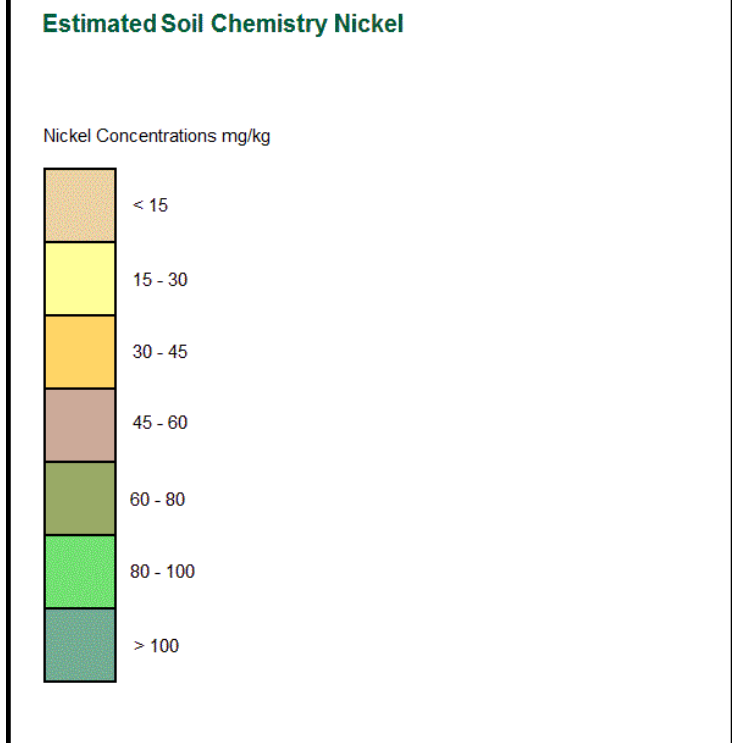
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General

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



Order Details


Order Details: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478240, 353050
 Slice: A
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details




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Geology 1:10,000 Maps Legends



Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silty [Unlithified Deposits Coding Scheme]	Flandrian - Pleistocene
	HPSG	Holme Pierrepont Sand and Gravel Member	Sand and Gravel	Pleistocene - Pragian
	BDTN	Balderton Sand and Gravel Member	Sand and Gravel	Pleistocene - Pragian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BCMU	Branscombe Mudstone Formation	Mudstone	Rhaetian - Norian
	EDW	Edwalton Member	Mudstone, Siltstone and Sandstone	Carnian - Carnian

Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

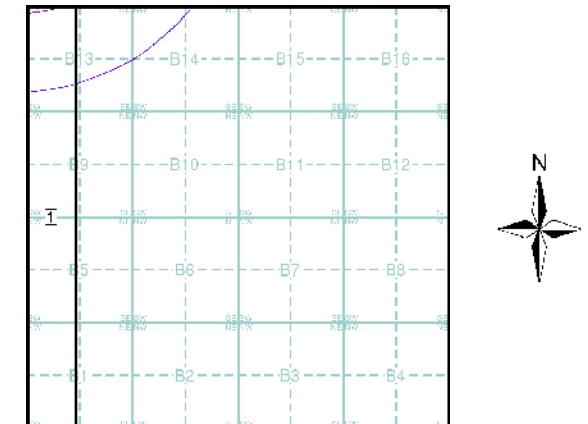
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:10,000 Maps Coverage

Map ID:	1
Map Name:	SK75SE
Map Date:	1993
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Available
Landslip:	Not Available
Rock Segments:	Not Available

Geology 1:10,000 Maps - Slice B

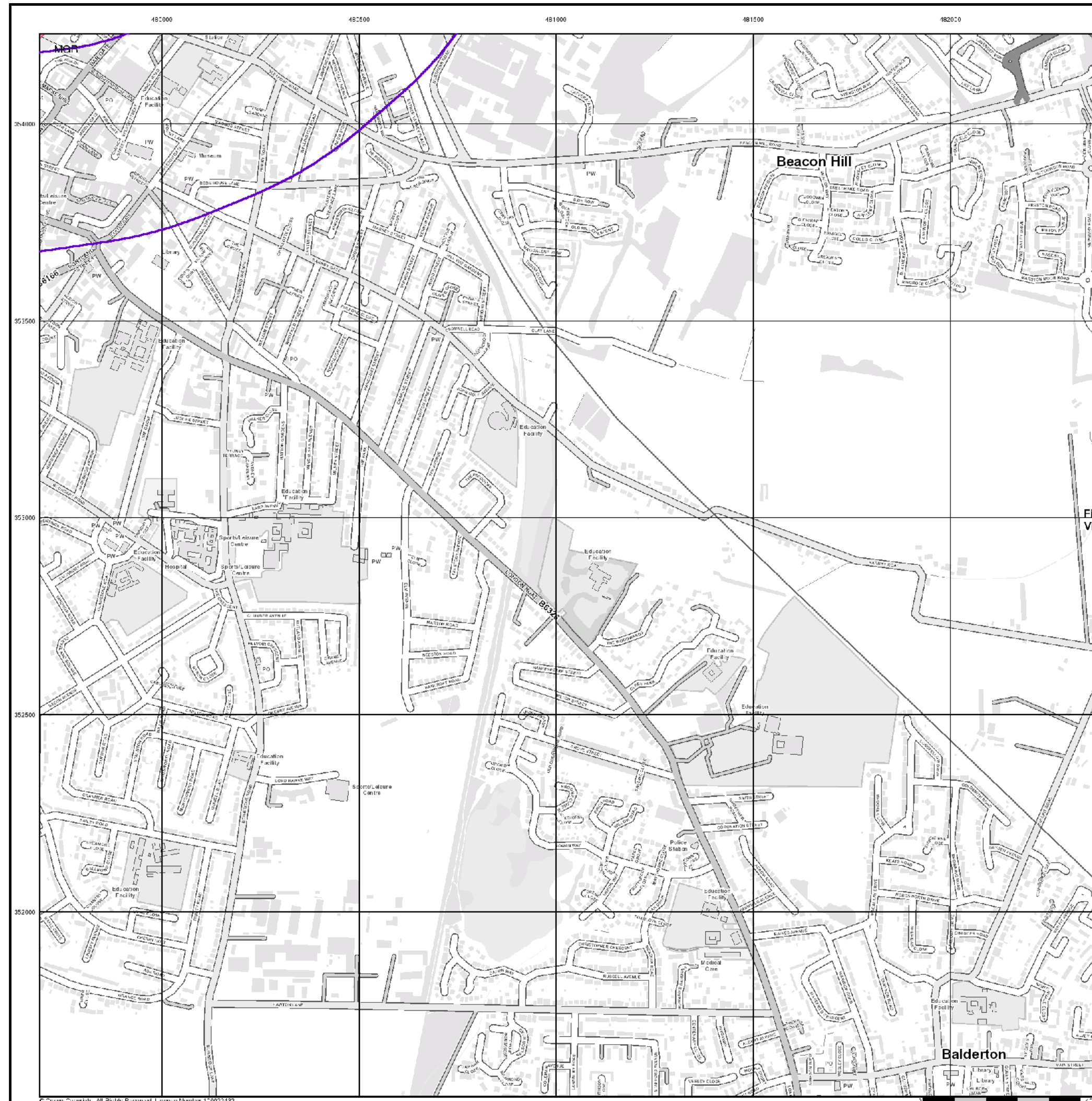


Order Details

Order Number:	172582399_1_1
Customer Ref:	5162675 sub no 255
National Grid Reference:	480090, 354010
Slice:	B
Site Area (Ha):	21.45
Search Buffer (m):	1000

Site Details

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Artificial Ground and Landslip

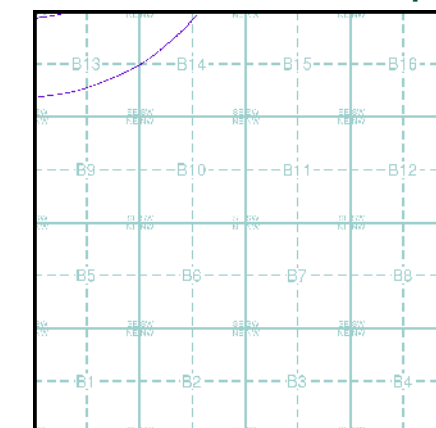
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes founded strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice B

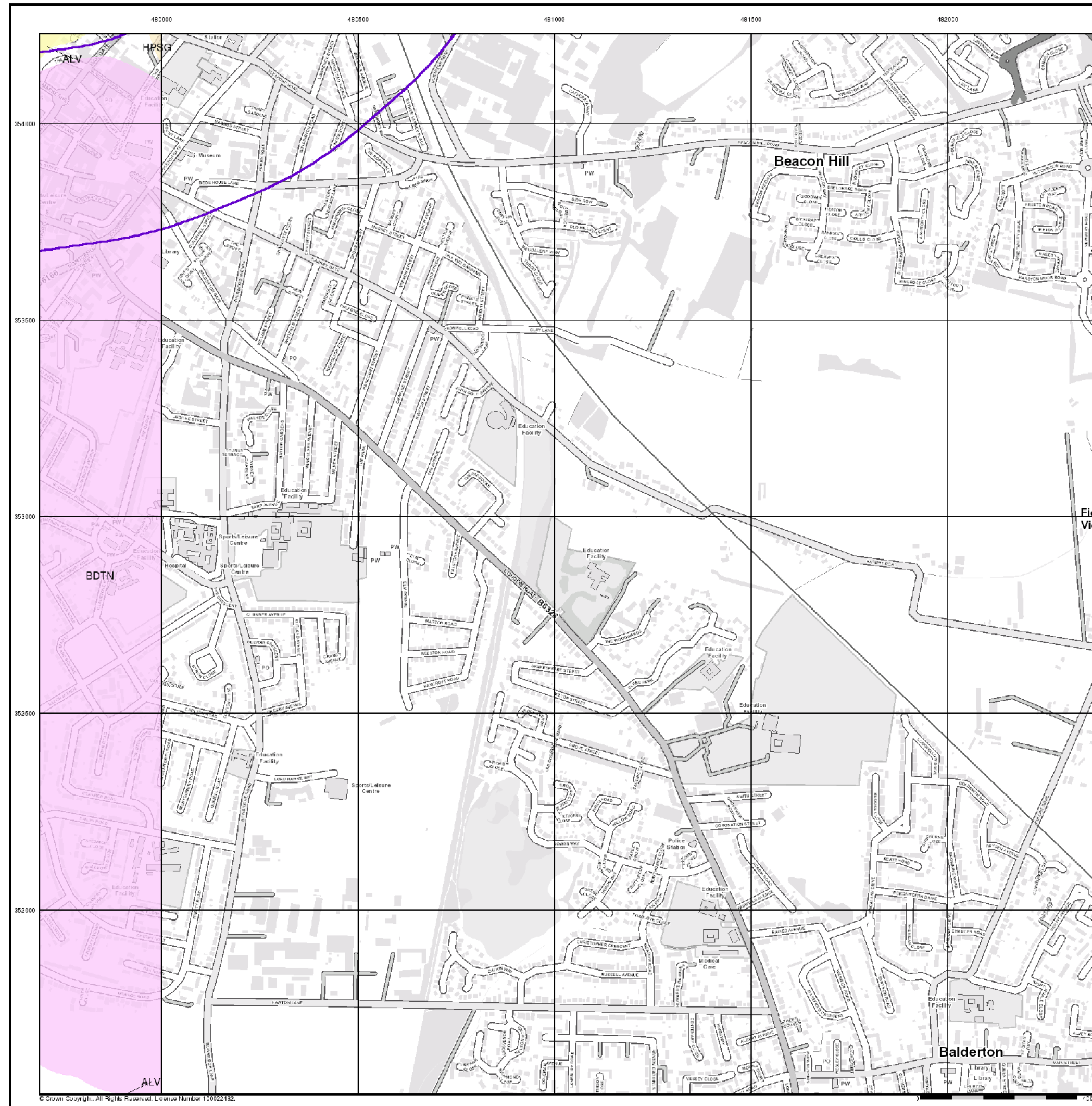


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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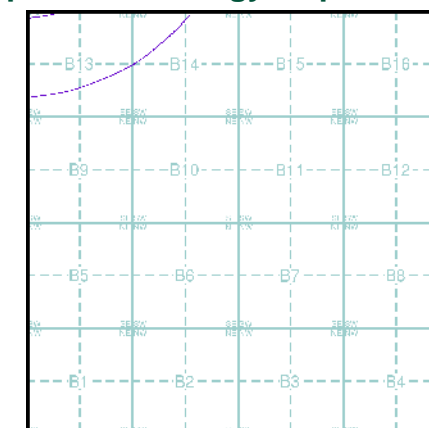
Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice B



Order Details

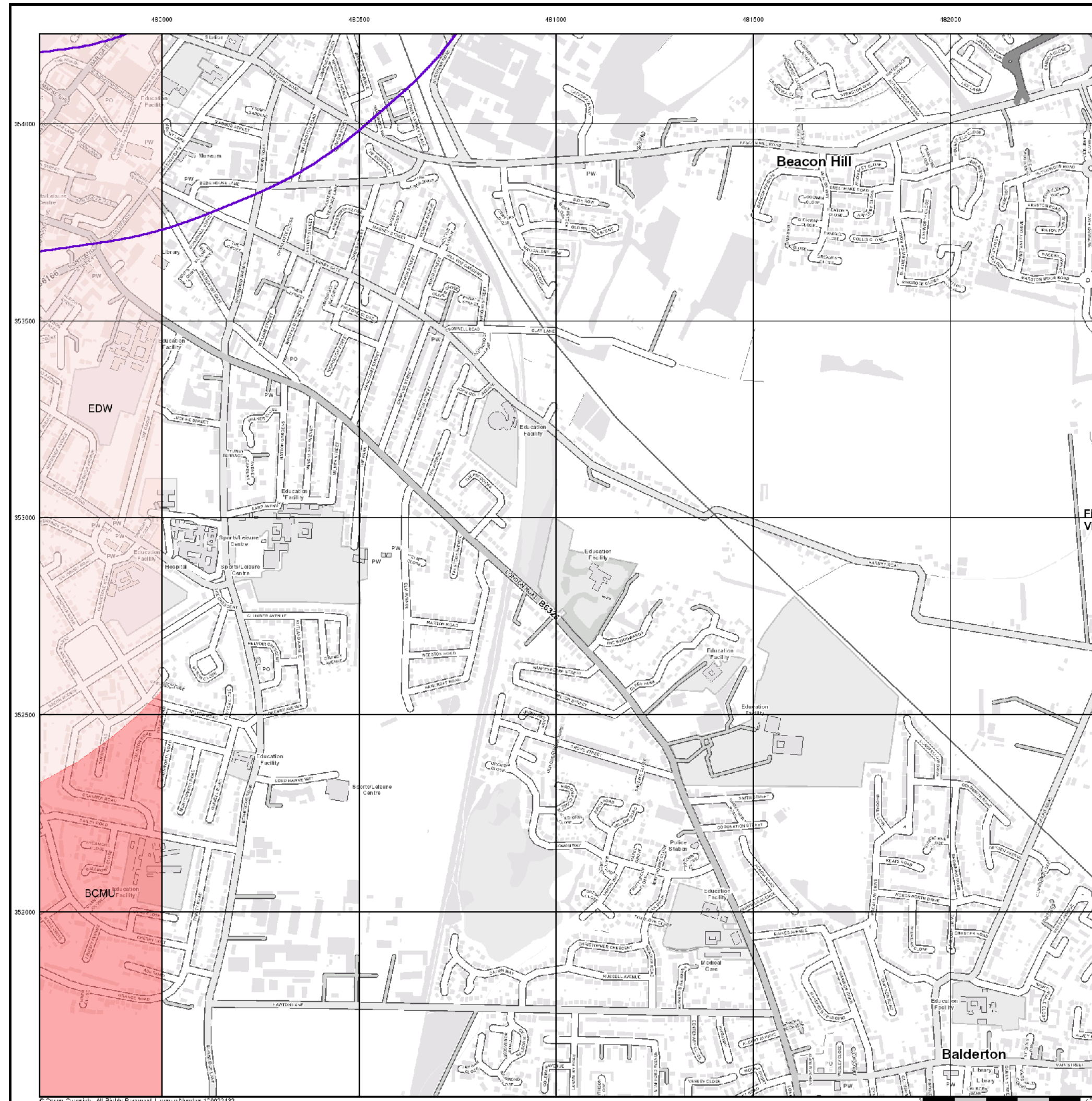
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 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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Bedrock and Faults

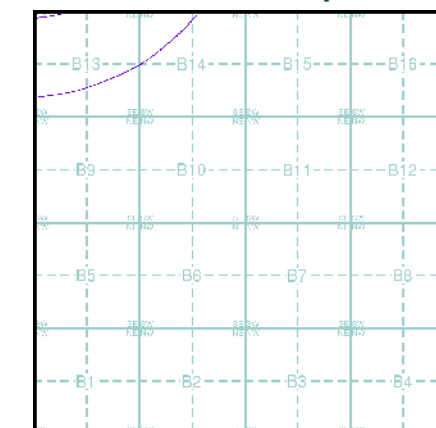
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

Bedrock and Faults Map - Slice B



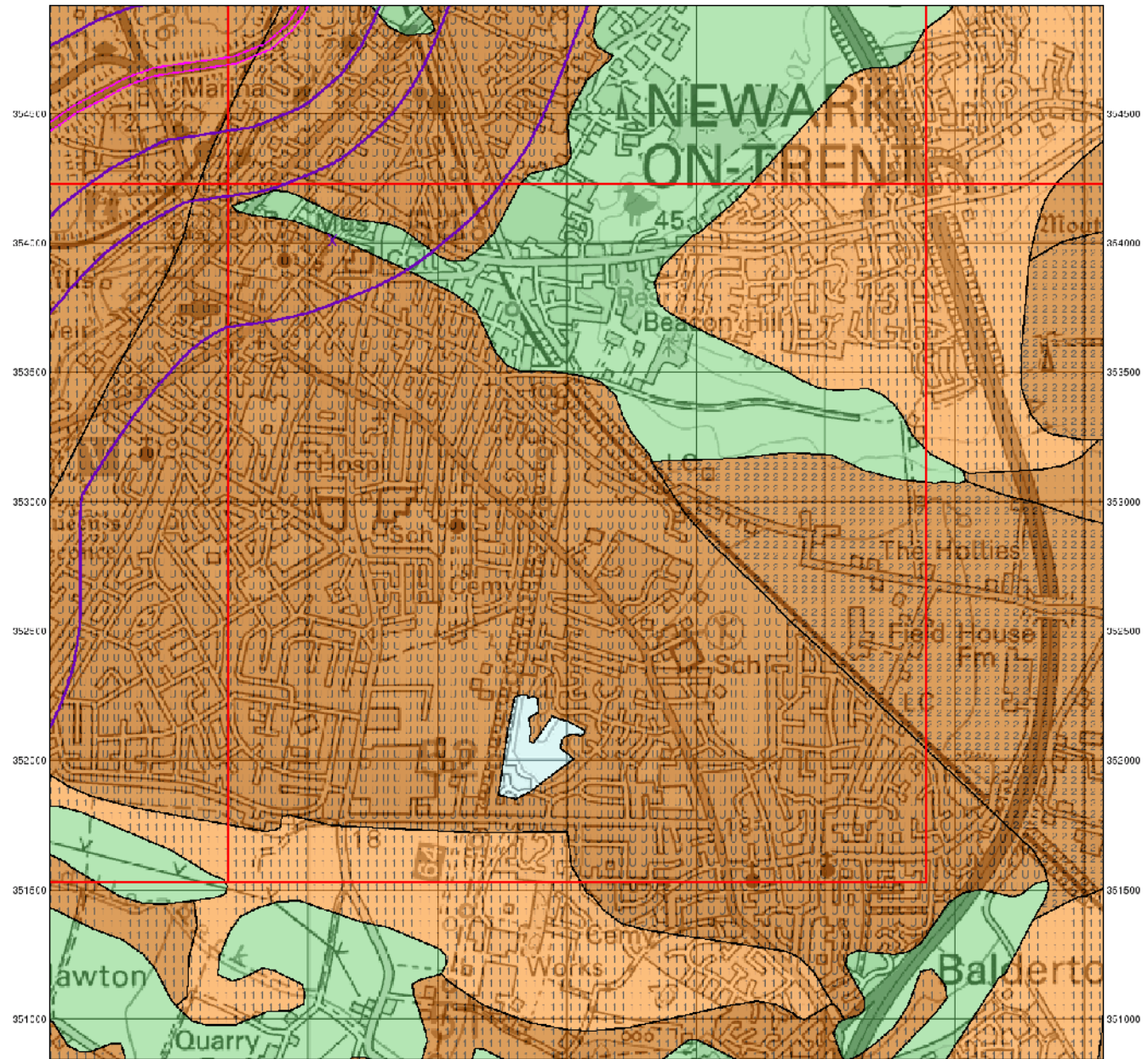
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Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
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 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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47950 48000 48050 481000 481500 48200 482500 483000



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Groundwater Vulnerability

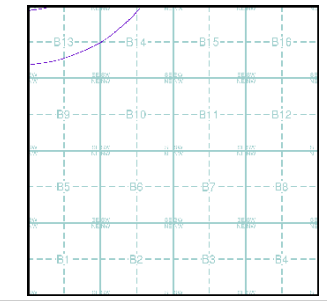
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice B

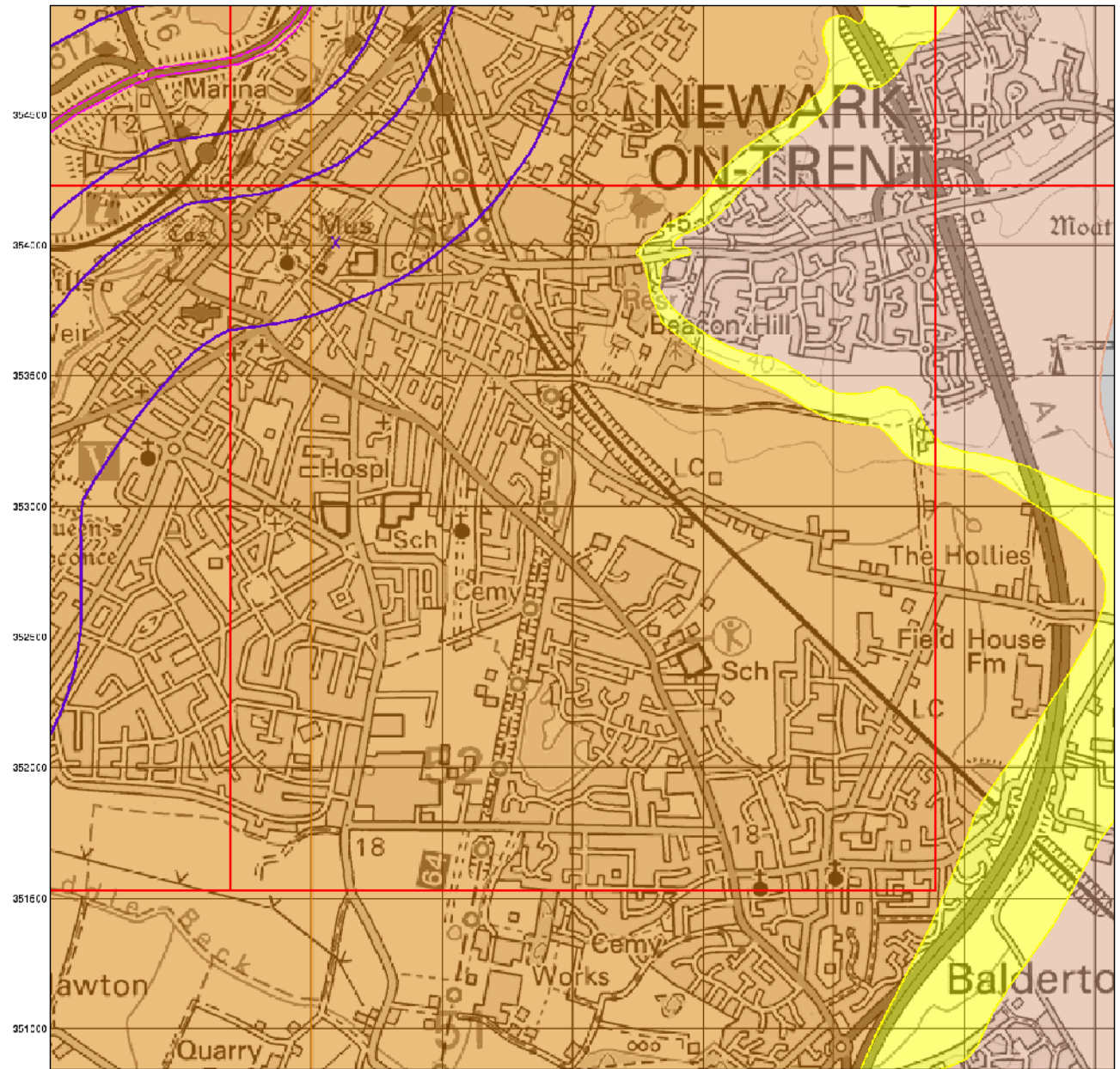


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details
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Bedrock Aquifer Designation

General

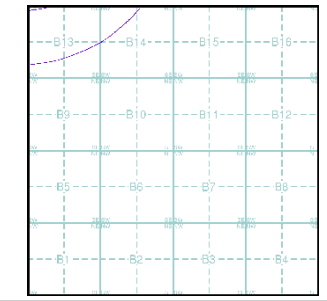
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
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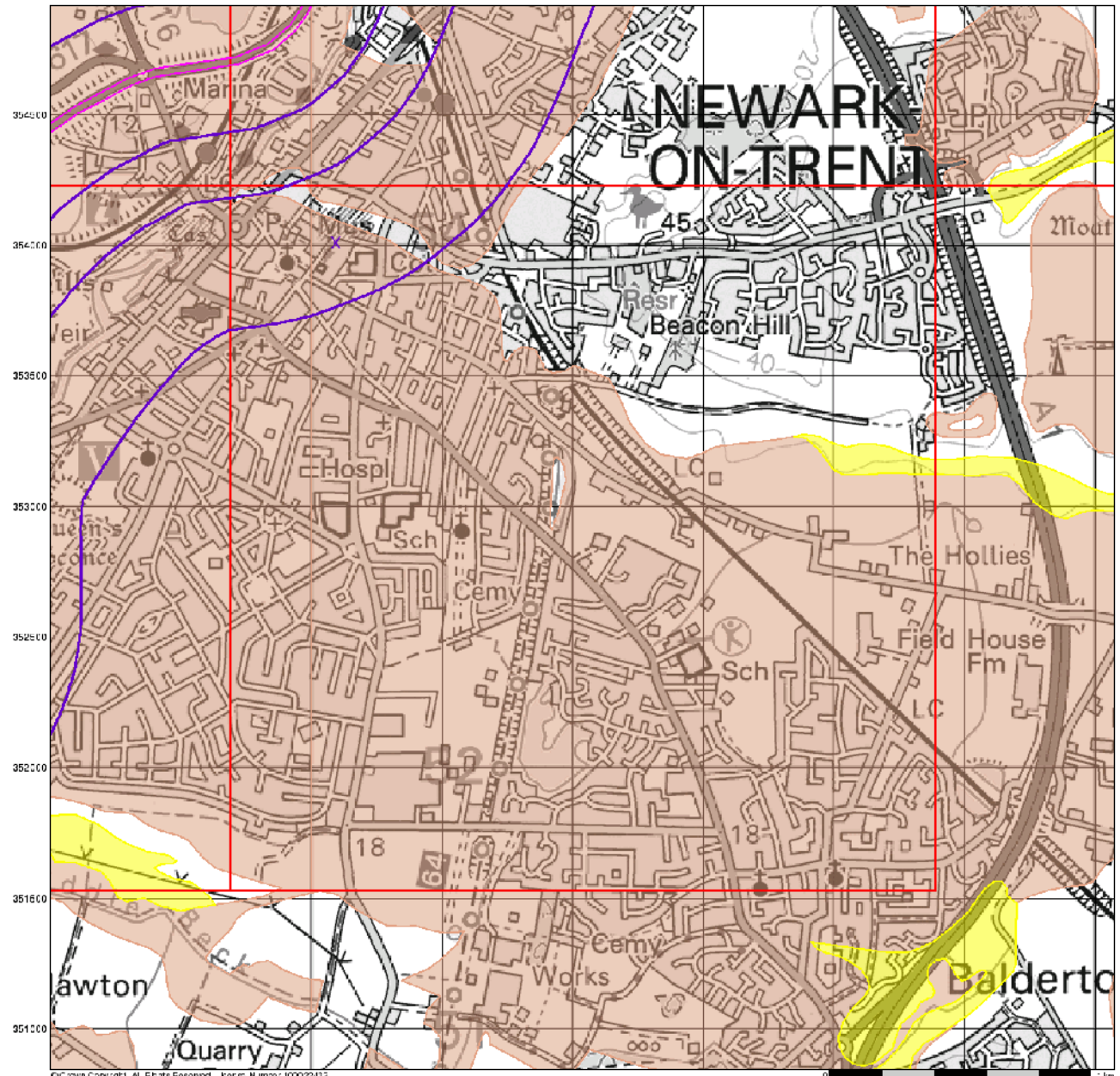
Site Details

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Superficial Aquifer Designation

General

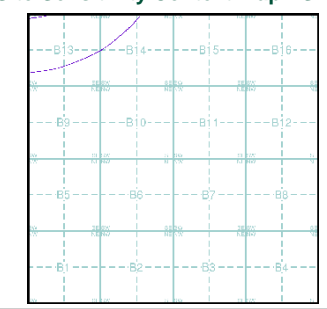
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice B



Order Details

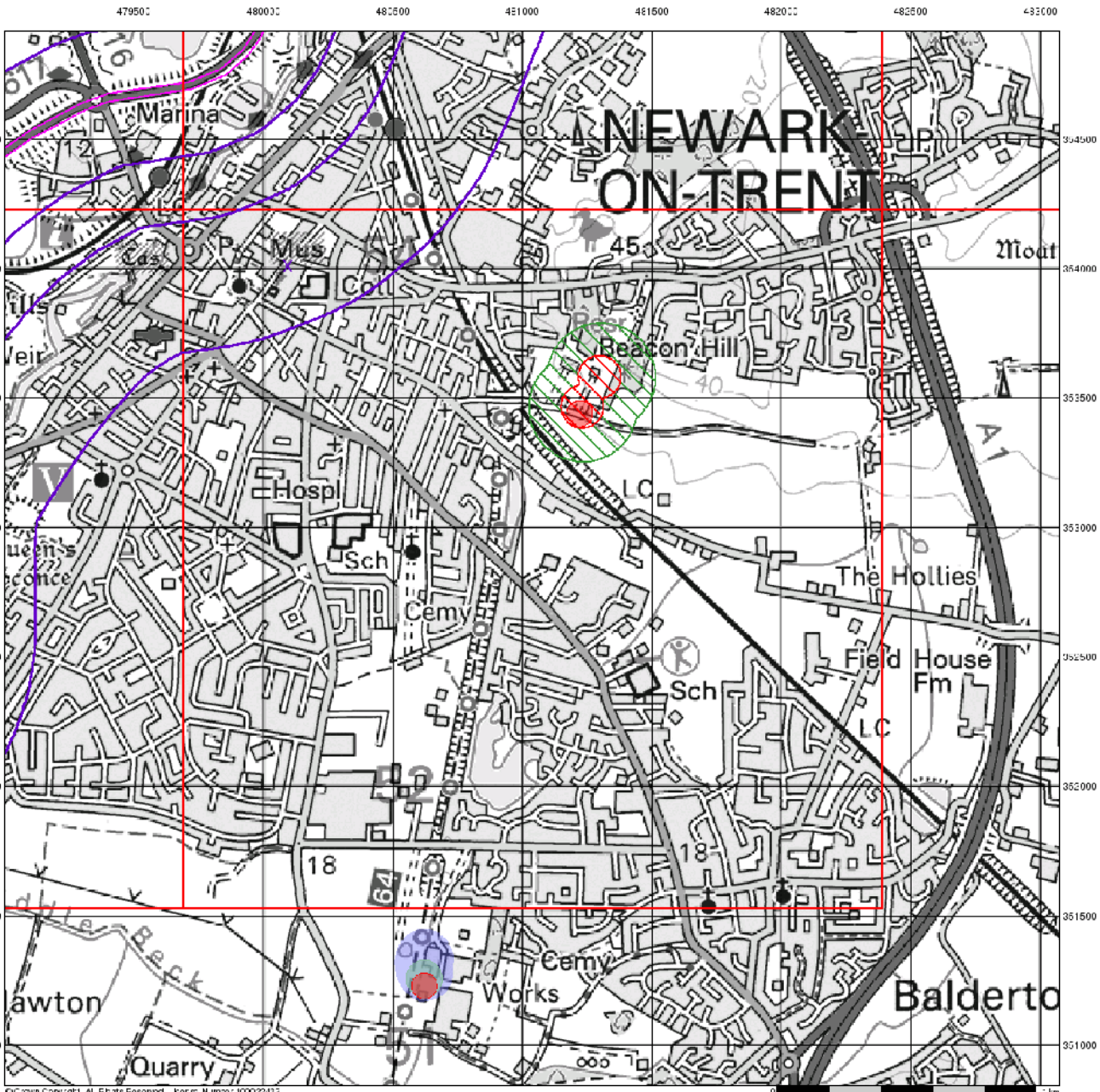
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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Source Protection Zones

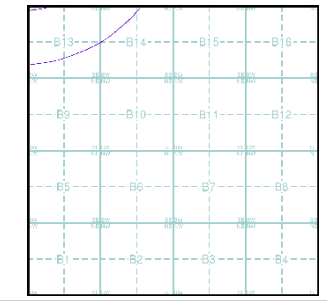
General

- 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 B



Order Details

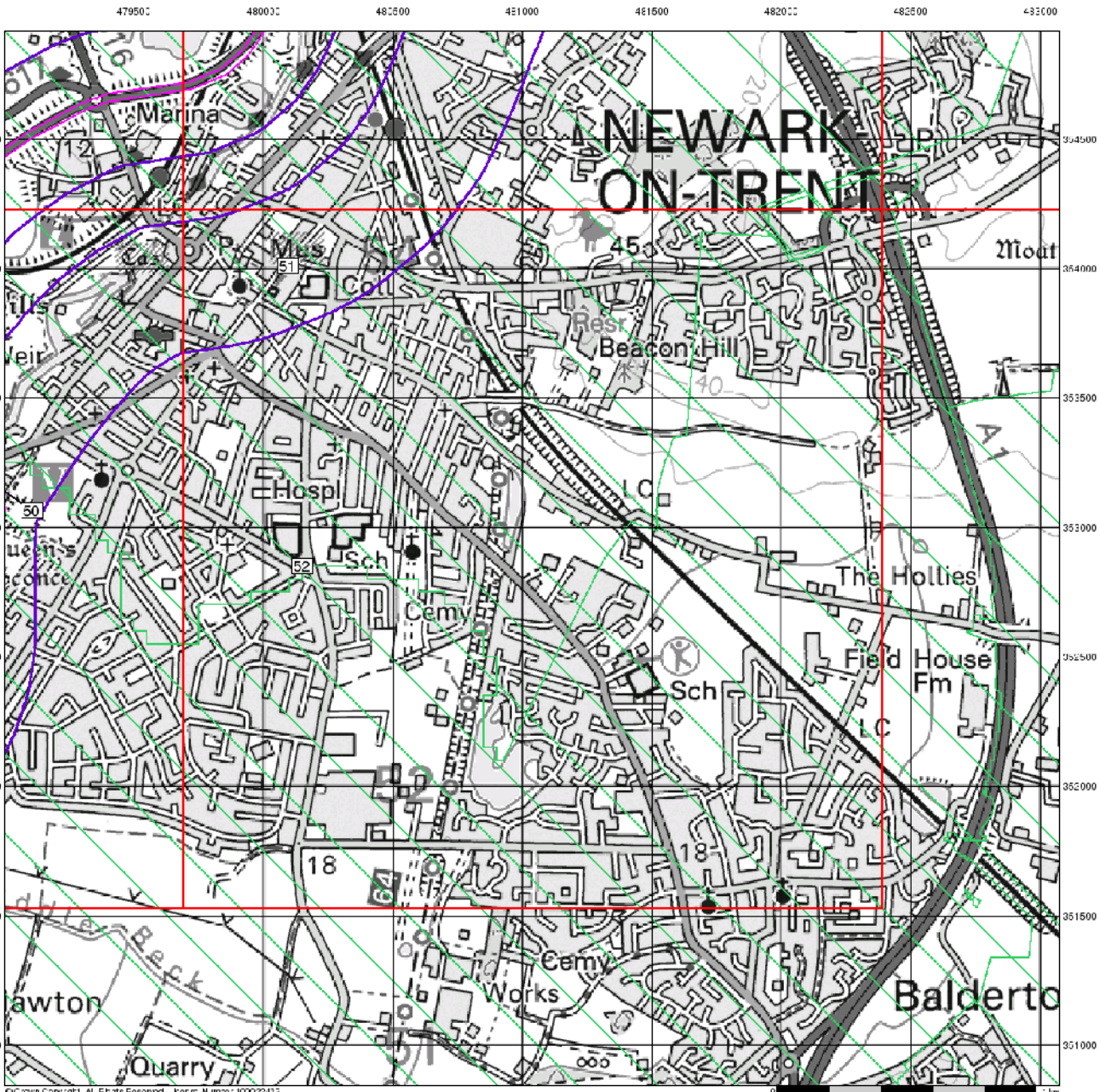
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 Search Buffer (m): 1000

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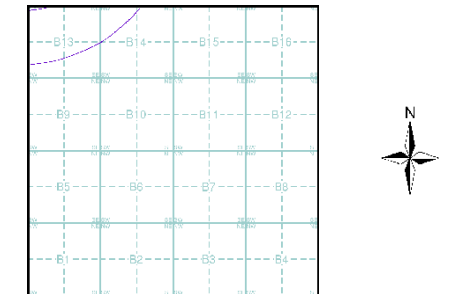
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Sensitive Land Uses

- 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 B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

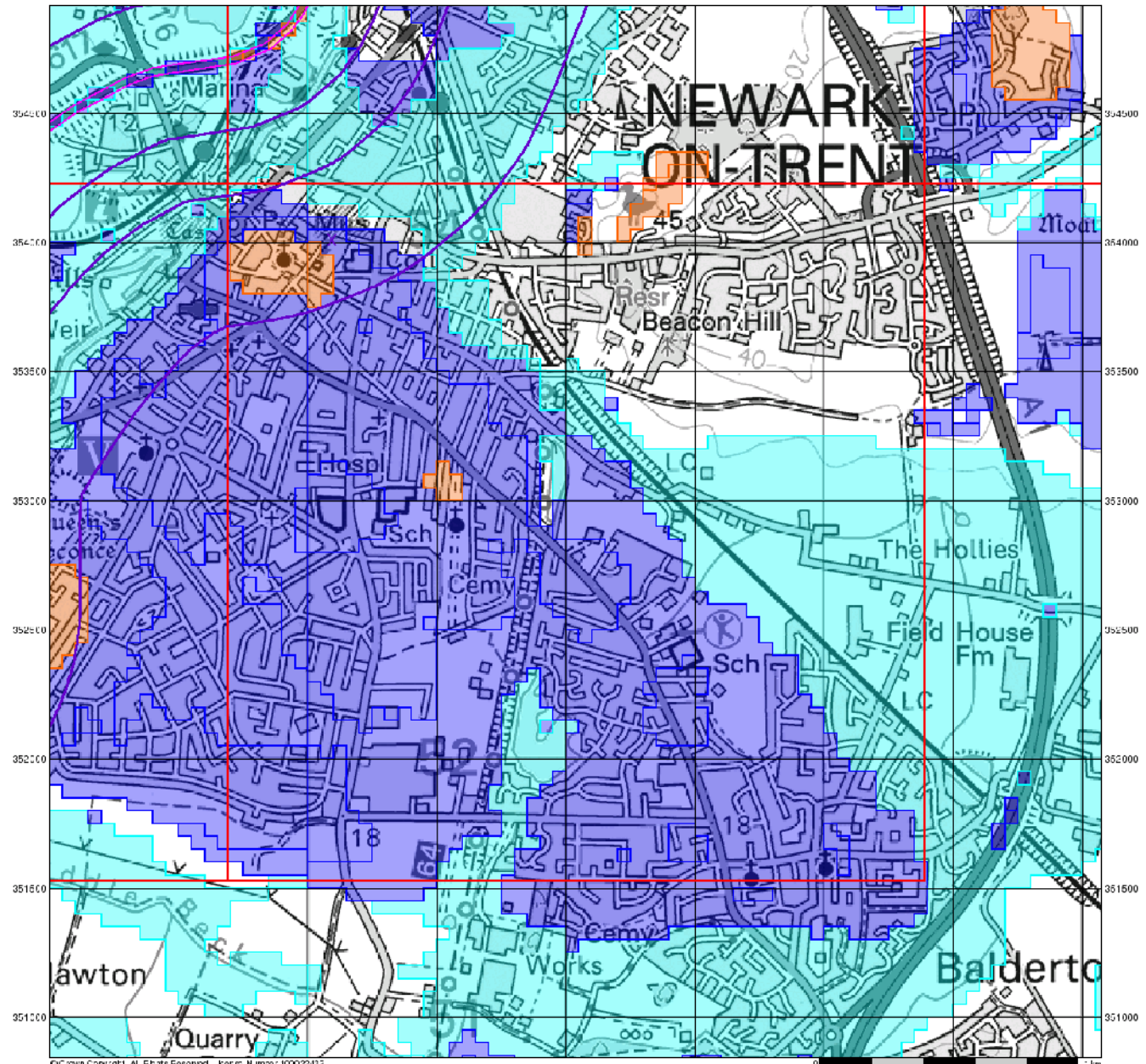
Site Details

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BGS Flood GFS Data

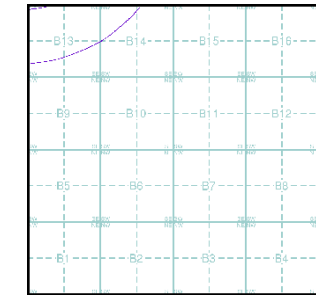
General

- 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 B



Order Details

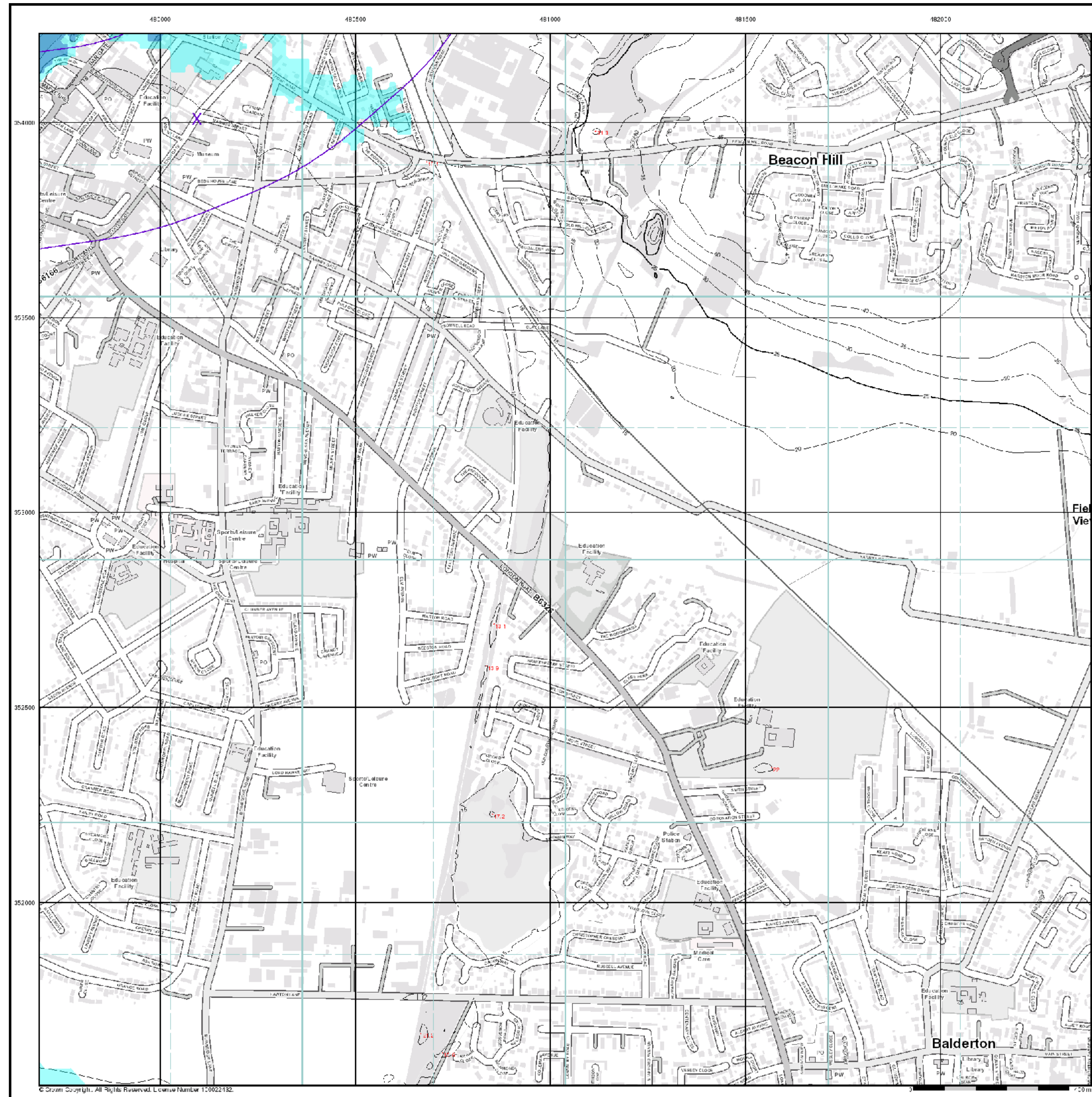
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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EANRW Flood Data Map (1:10,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

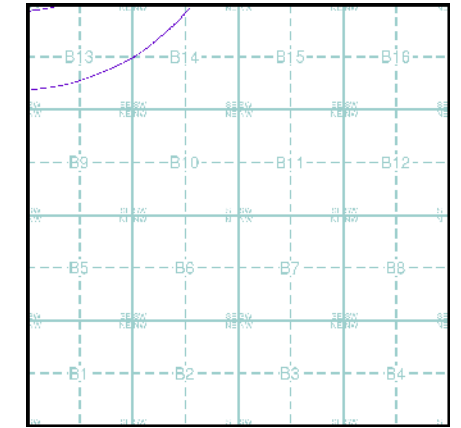
Flood Data

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Contours (height in metres)

- Standard Contour
- Master Contour
- Spot Height
- MLW - Mean Low Water
- MHW - Mean High Water

EANRW Flood Data Map - Slice B



Order Details

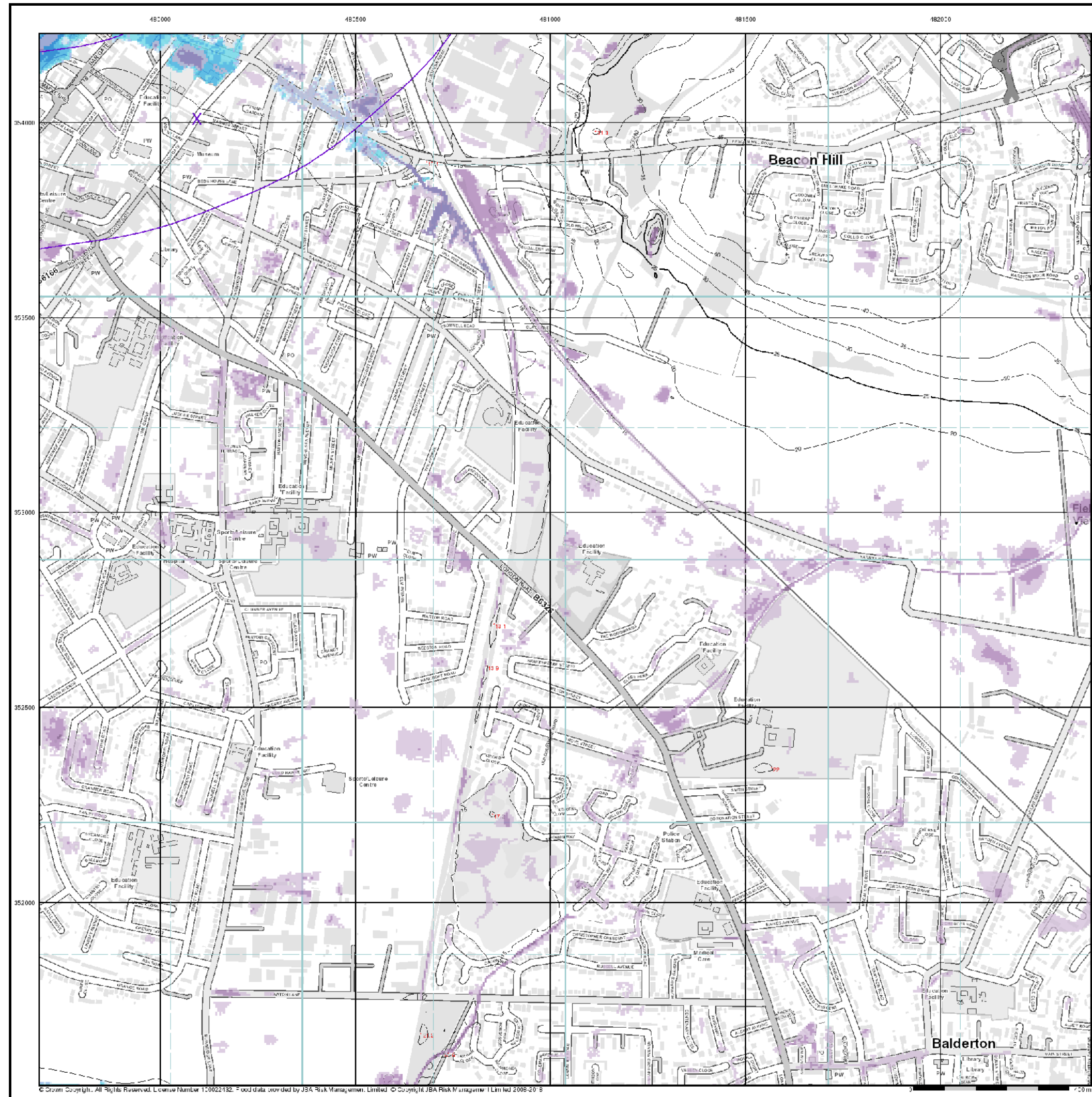
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 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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JBA 75 Year Return Flood Map (Undefended) (1:10,000)

General

- Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

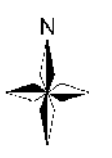
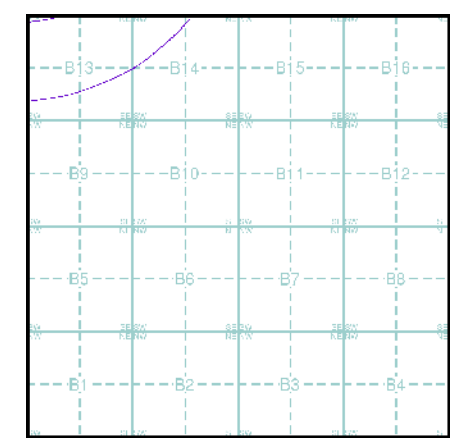
Modelled Flood Depth

Pluvial Depth	Fluvial Depth	Coastal Depth
0.1m	0.01m - 0.05m	0.01m - 0.05m
0.1m - 0.3m	0.05m - 0.1m	0.05m - 0.1m
0.3m - 1m	0.1m - 0.3m	0.1m - 0.3m
>1m	0.3m - 1m	0.3m - 1m
	>1m	>1m

Contours (height in metres)

- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 107.8
- MLW: Mean Low Water
- MHW: Mean High Water

JBA 75 Year Return Flood Map (Undefended) - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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JBA 100 Year Return Flood Map (Undefended) (1:10,000)

General

- Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

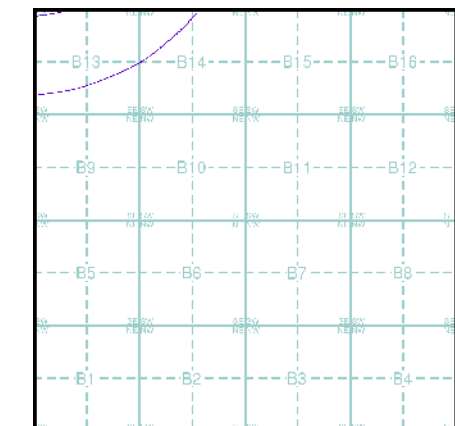
Modelled Flood Depth

Fluvial Depth	Coastal Depth
0.01m - 0.05m	0.01m - 0.05m
0.05m - 0.1m	0.05m - 0.1m
0.1m - 0.3m	0.1m - 0.3m
0.3m - 1m	0.3m - 1m
>1m	>1m

Contours (height in metres)

- Standard Contour 105 100 95 MLW Mean Low Water
- Master Contour 100 95 MHW Mean High Water
- Spot Height 167.8

JBA 100 Year Return Flood Map (Undefended) - Slice B

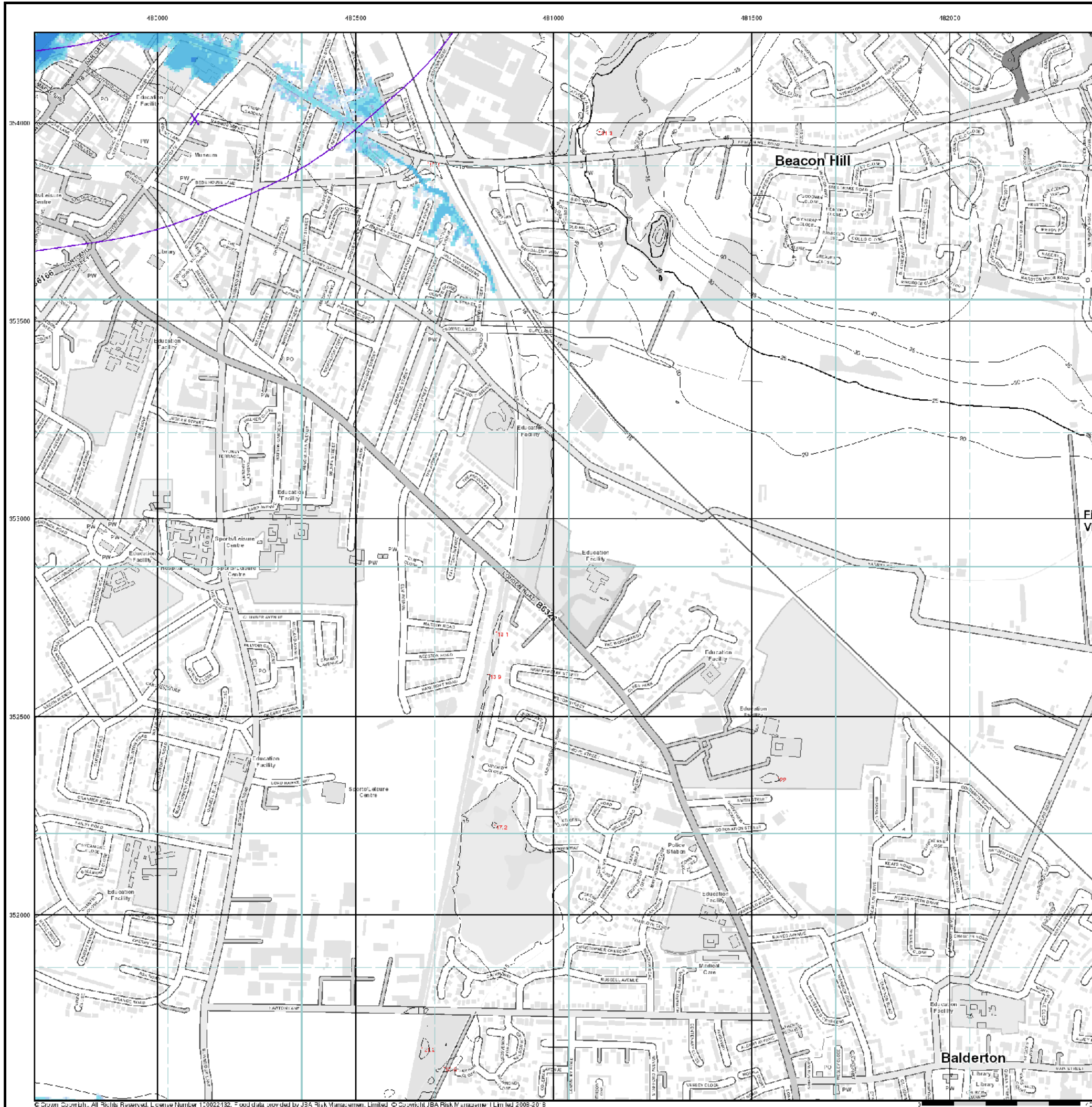


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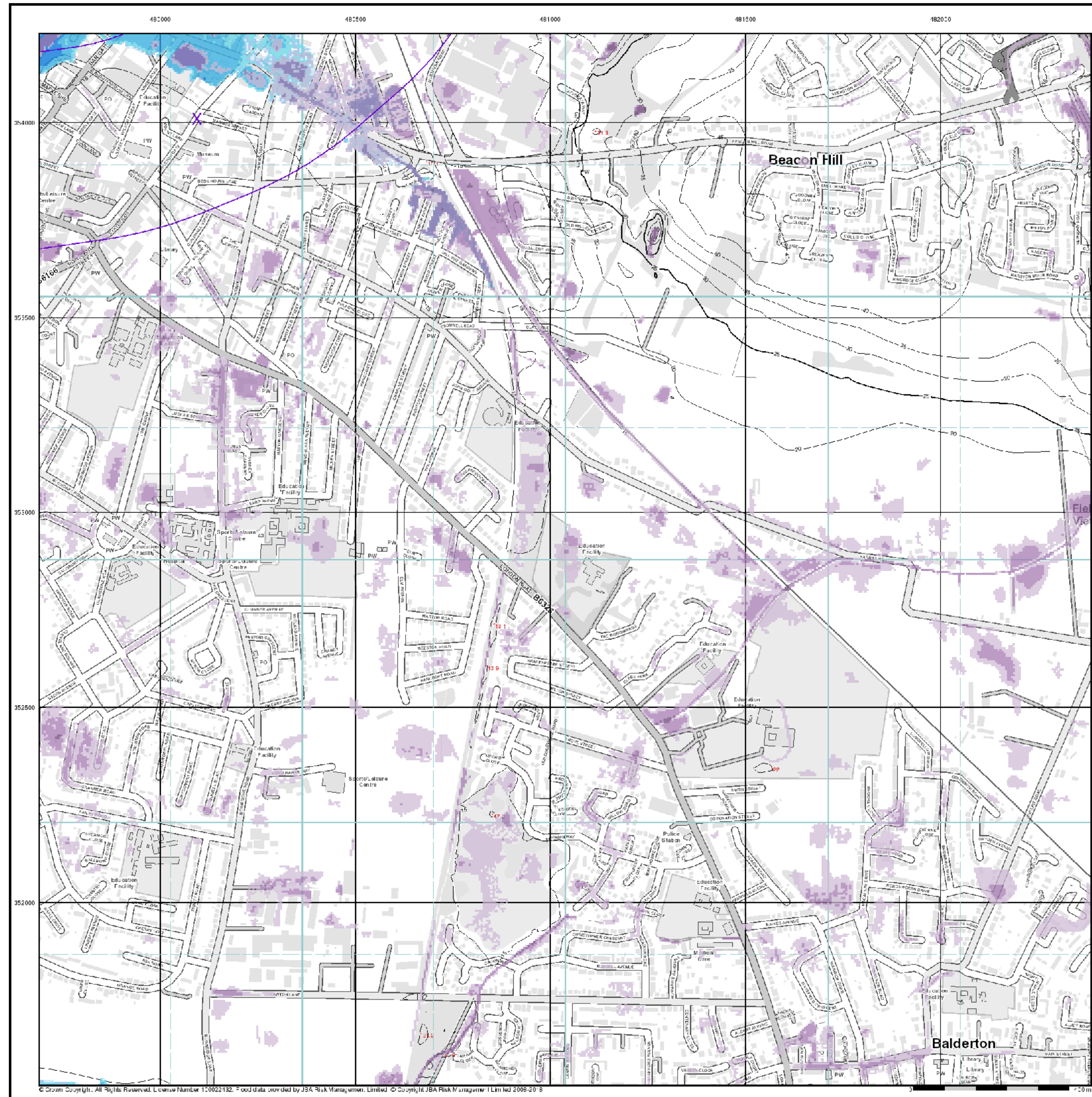
Order Number: 172582399_1_1
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 Slice: B
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 Search Buffer (m): 1000

Site Details

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JBA 200 Year Return Flood Map (Un defended) (1:10,000)

General

- Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

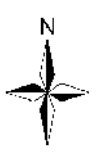
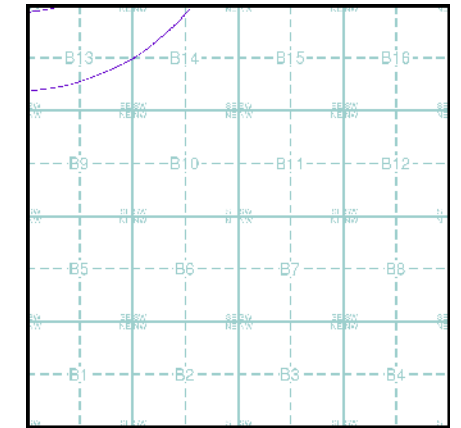
Modelled Flood Depth

Pluvial Depth	Fluvial Depth	Coastal Depth
0.1m	0.01m - 0.05m	0.01m - 0.05m
0.1m - 0.3m	0.05m - 0.1m	0.05m - 0.1m
0.3m - 1m	0.1m - 0.3m	0.1m - 0.3m
>1m	0.3m - 1m	0.3m - 1m
	>1m	>1m

Contours (height in metres)

- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.8
- MLW - Mean Low Water
- MHW - Mean High Water

JBA 200 Year Return Flood Map (Un defended) - Slice B



Order Details

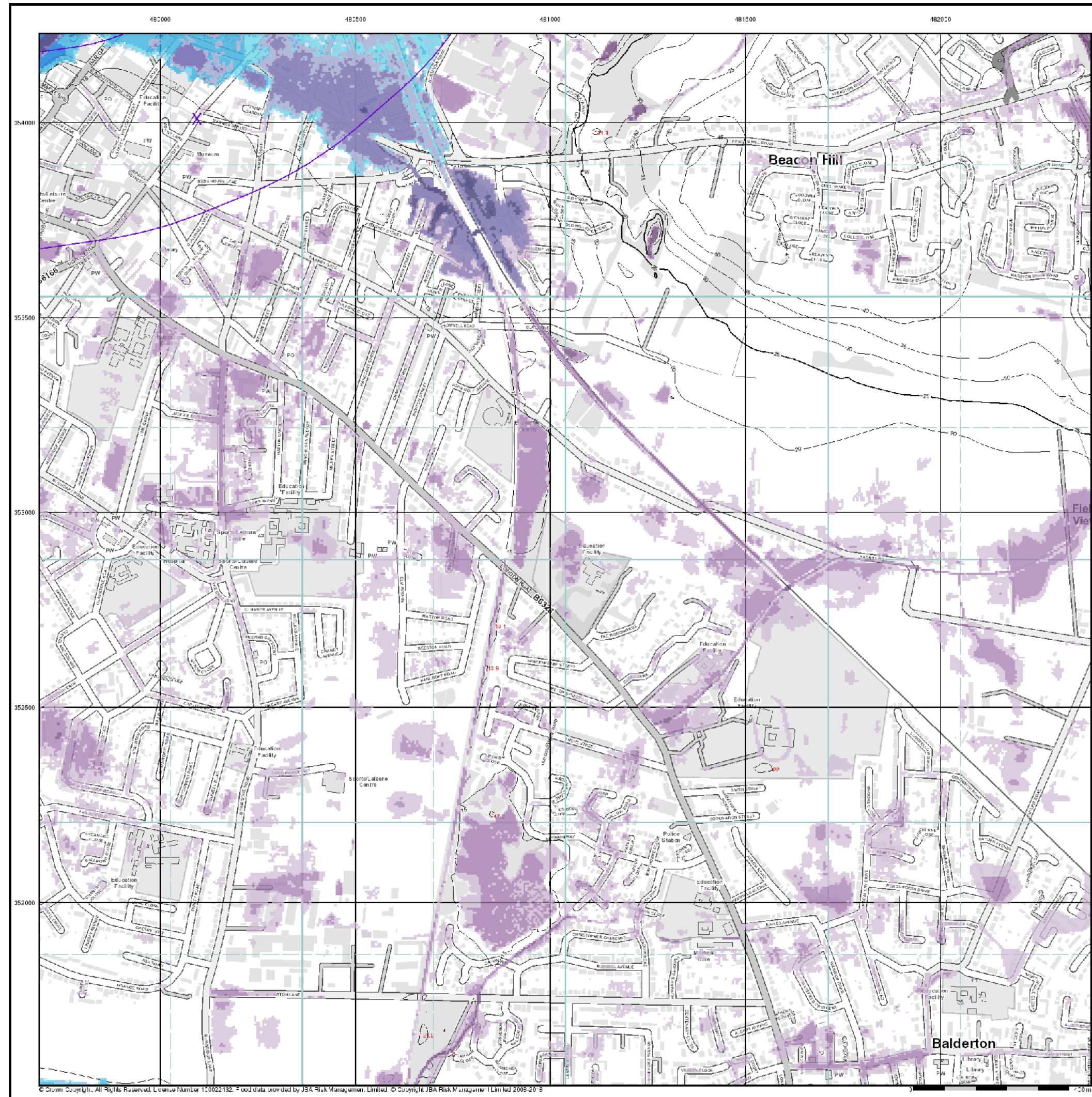
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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JBA 1000 Year Return Flood Map (Undefended) (1:10,000)

General

- Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

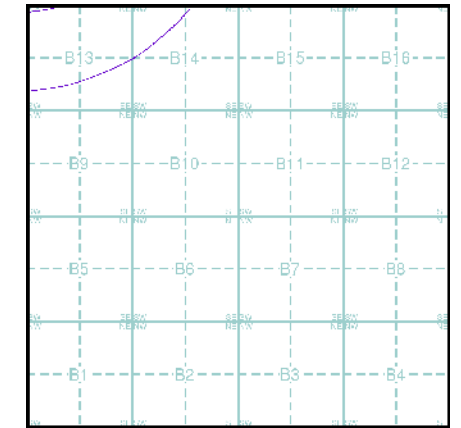
Modelled Flood Depth

Pluvial Depth	Fluvial Depth	Coastal Depth
0.1m	0.01m - 0.05m	0.01m - 0.05m
0.1m - 0.3m	0.05m - 0.1m	0.05m - 0.1m
0.3m - 1m	0.1m - 0.3m	0.1m - 0.3m
>1m	0.3m - 1m	0.3m - 1m
	>1m	>1m

Contours (height in metres)

- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 107.8
- MLW: Mean Low Water
- MHW: Mean High Water

JBA 1000 Year Return Flood Map (Undefended) - Slice B



Order Details

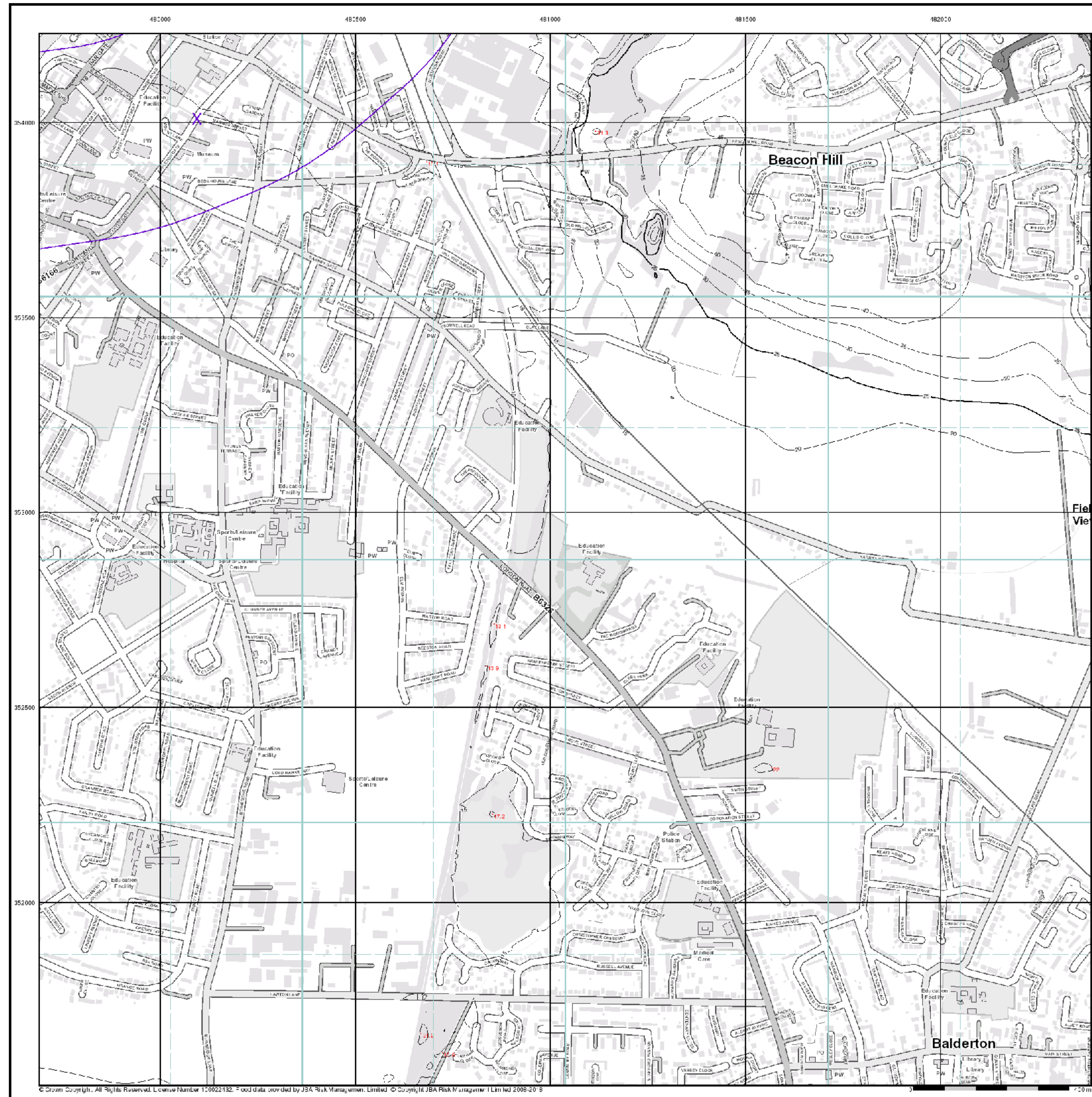
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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JBA Canal Failure Map (1:10,000)

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

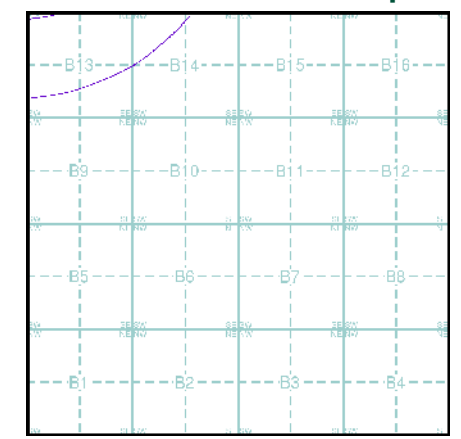
Flood Data

- Canal Failure
- Coverage

Contours (height in metres)

- Standard Contour Mean Low Water
- Master Contour Mean High Water
- Spot Height

JBA Canal Failure Flood Map - Slice B



Order Details

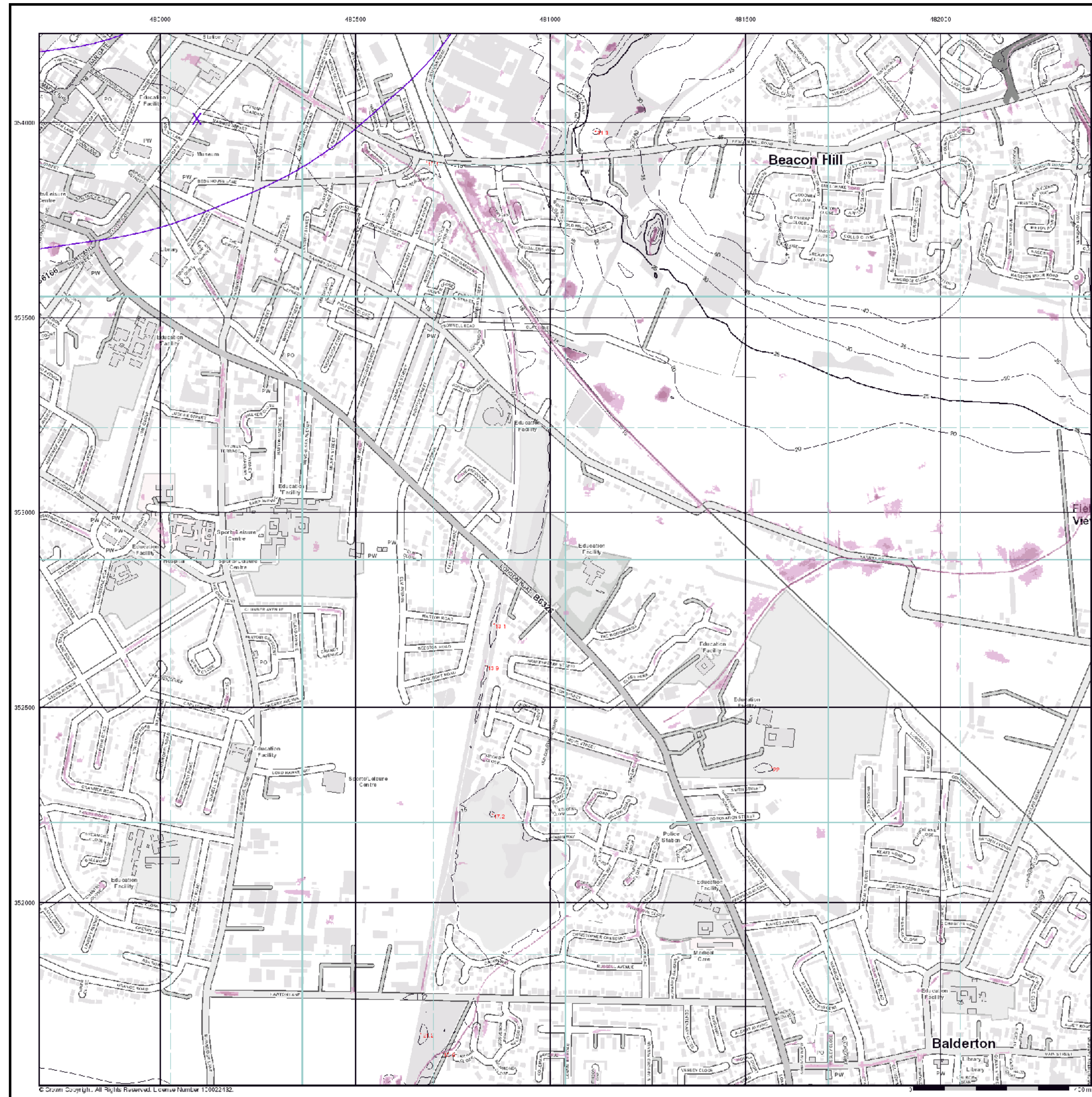
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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EANRW Surface Water 30 Year Return Depth Map (1:10,000)

General
 Specified Site (pink dot) Specified Buffer(s) (pink outline) Bearing Reference Point (X)

Surface Water Depth

0 - 0.15m
0.15 - 0.30m
0.30 - 0.60m
0.60 - 0.90m
0.90 - 1.20m
> 1.20m

Contours (height in metres)

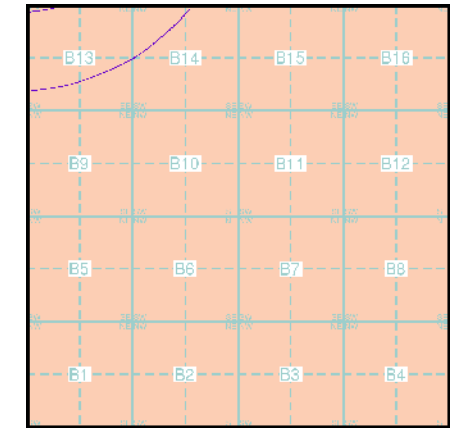
Standard Contour: 105, 100, 95
 Master Contour: 100
 Spot Height: *167.8

MLW Mean Low Water
 MHW Mean High Water

Suitability
 See the suitability map below

National to county	Street to parcels of land
County to town	Property
Town to street	

EANRW Suitability Map - Slice B

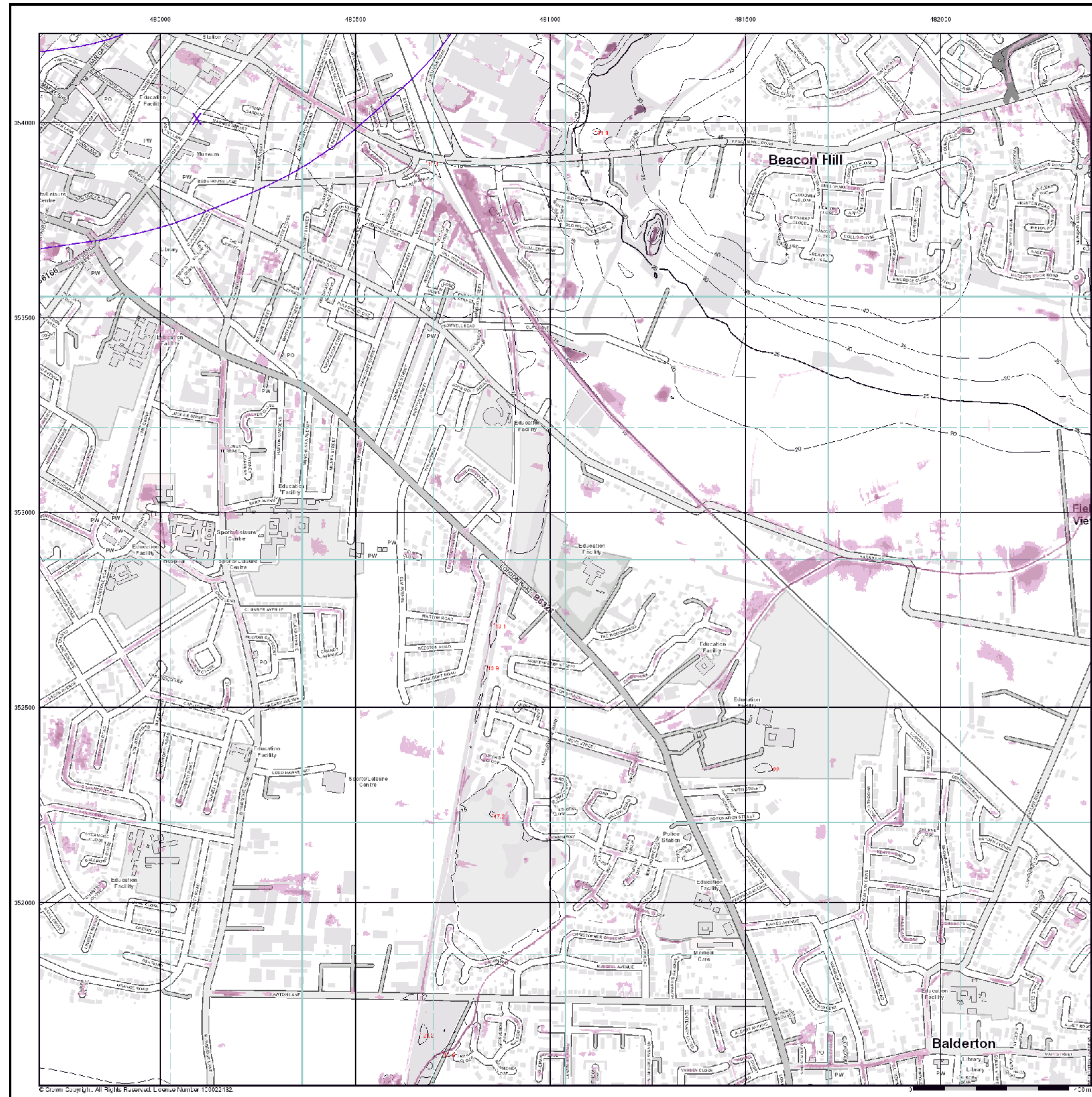


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details
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E/ANRW Surface Water 100 Year Return Depth Map

General
 Specified Site (pink circle) Specified Buffer(s) (purple outline) Bearing Reference Point (X)

Surface Water Depth

- 0 - 0.15m
- 0.15 - 0.30m
- 0.30 - 0.60m
- 0.60 - 0.90m
- 0.90 - 1.20m
- > 1.20m

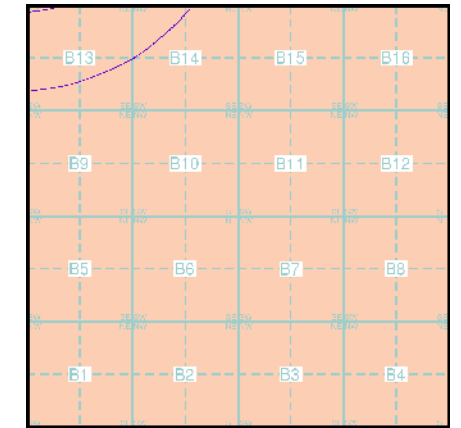
Contours (height in metres)

- Standard Contour (dashed line)
- Master Contour (solid line)
- Spot Height (red asterisk)
- MLW (blue dashed line) Mean Low Water
- MHW (blue solid line) Mean High Water

Suitability

- See the suitability map below
- National to county (light green)
 - County to town (orange)
 - Town to street (blue)
 - Street to parcels of land (pink)
 - Property (yellow)

E/ANRW Suitability Map - Slice B



Order Details

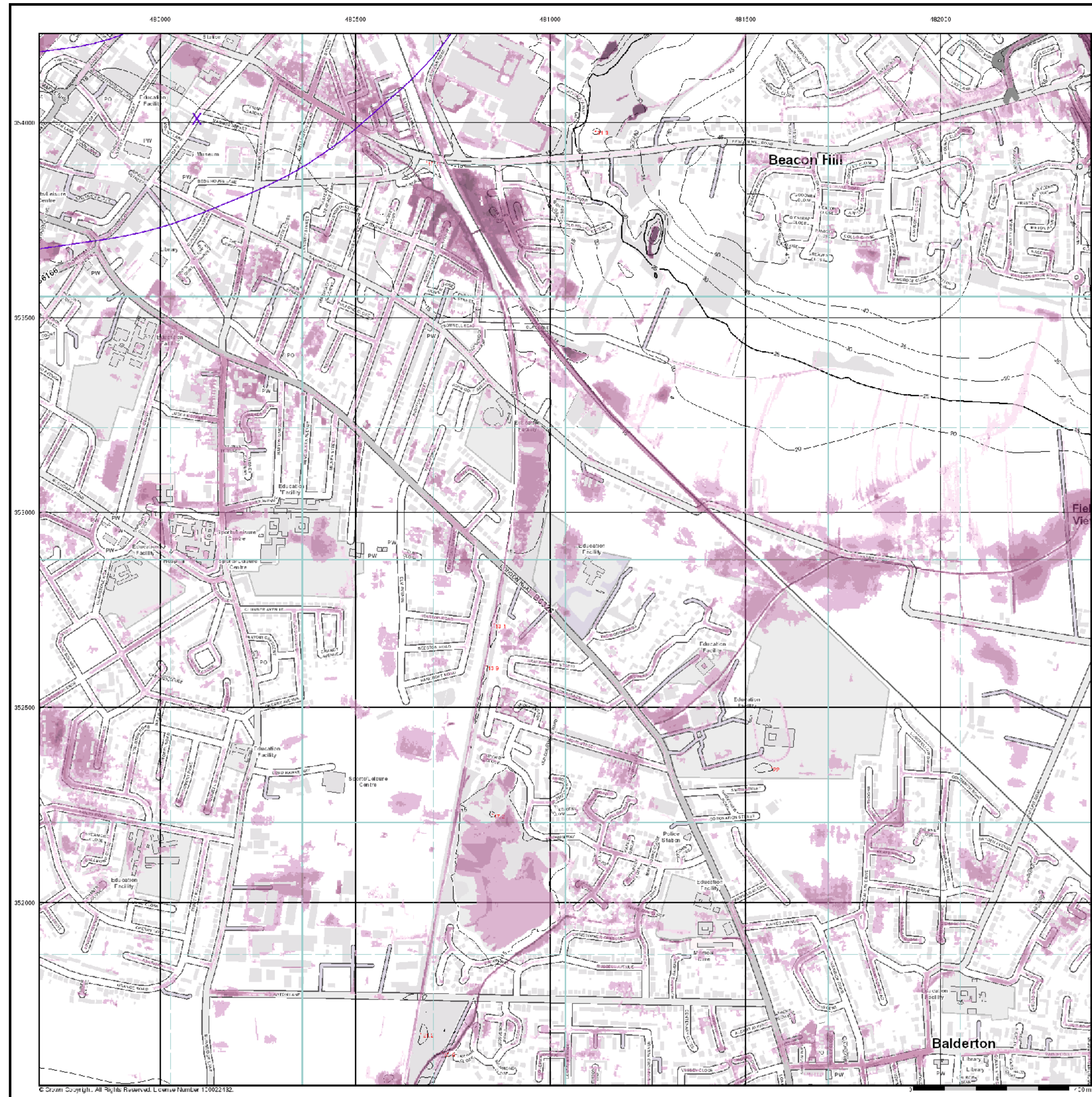
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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EANRW Surface Water 1000 Year Return Depth Map (1:10,000)

General
 Specified Site (pink circle), Specified Buffer(s) (purple outline), Bearing Reference Point (red X)

Surface Water Depth

0 - 0.15m
0.15 - 0.30m
0.30 - 0.60m
0.60 - 0.90m
0.90 - 1.20m
> 1.20m

Contours (height in metres)

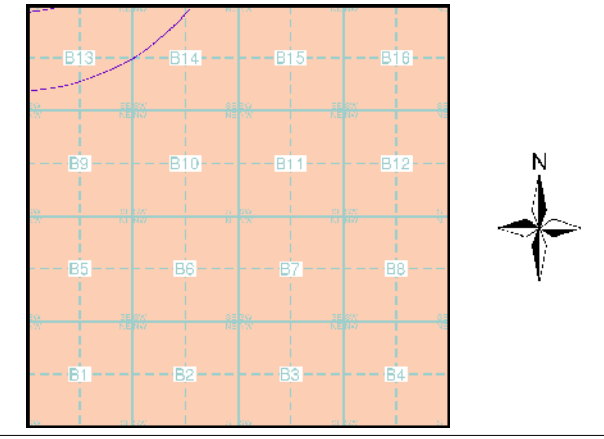
Standard Contour: 105, 100, 95
 Master Contour: 100
 Spot Height: *167.8

MLW - Mean Low Water
 MHW - Mean High Water

Suitability
 See the suitability map below

National to county	Street to parcels of land
County to town	Property
Town to street	

EANRW Suitability Map - Slice B

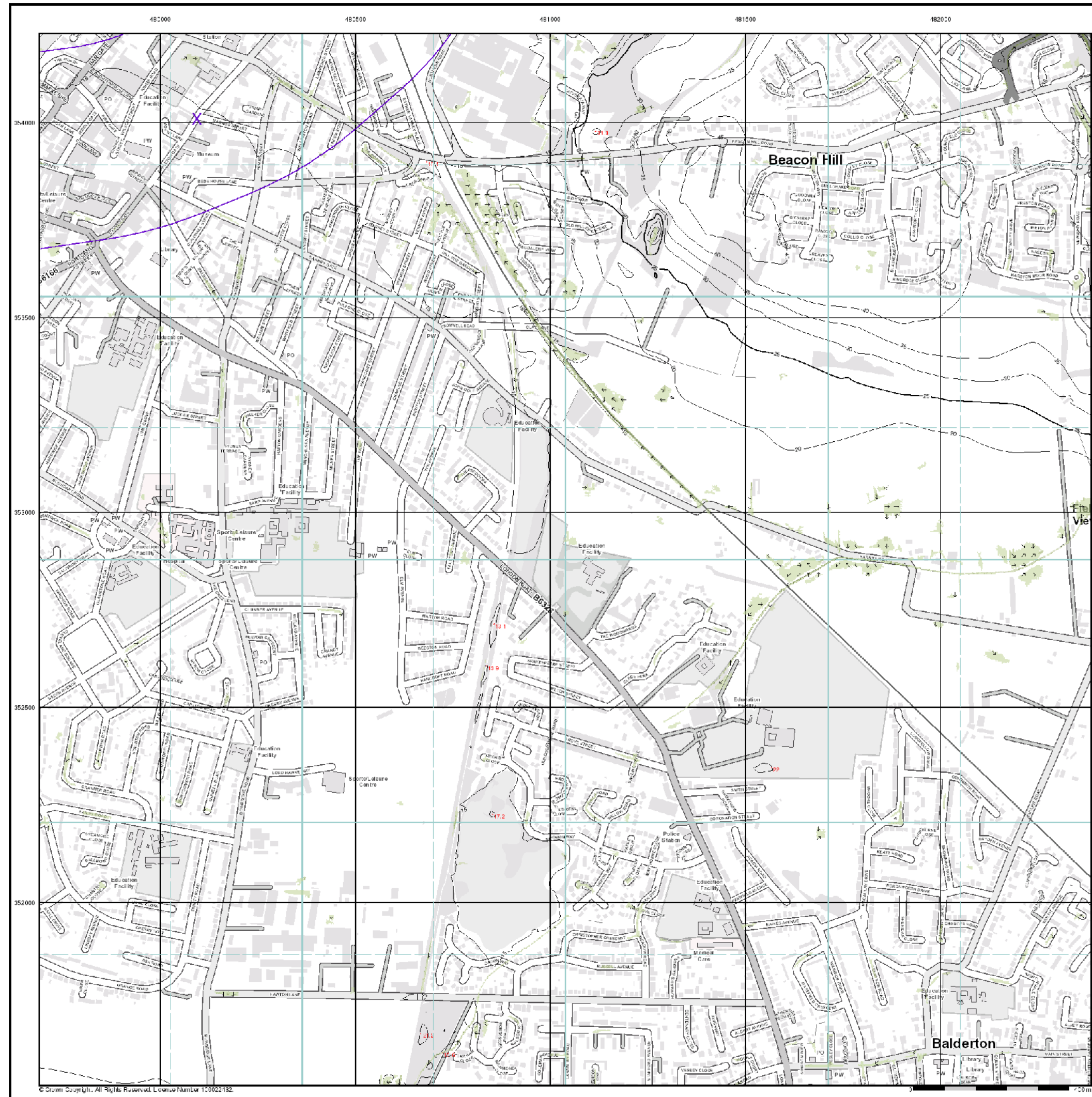


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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EANRW Surface Water 30 Year Return Velocity and Flow Direction Map (1:10,000)

General
 Specified Site (pink circle) Specified Buffer(s) (purple outline) Bearing Reference Point (purple X)

Surface Water Velocity and Direction

0.00 - 0.25m/s	↑ Flow Direction at maximum velocity
0.25 - 0.50m/s	
0.50 - 1.00m/s	
1.00 - 2.00m/s	
> 2.00m/s	

Contours (height in metres)

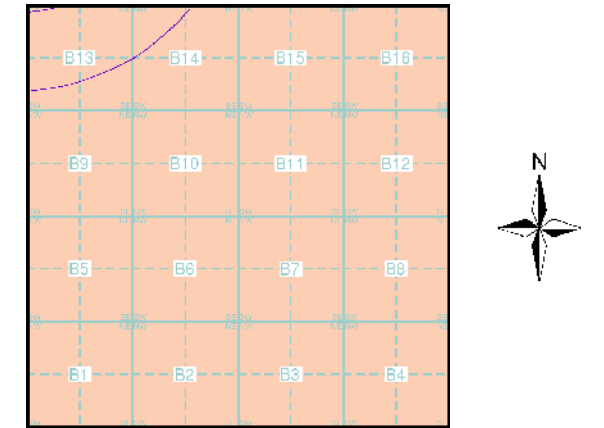
Standard Contour: 105, 100, 95
 Master Contour: 105, 100, 95
 Spot Height: *167.8

MLW Mean Low Water
 MHW Mean High Water

Suitability
 See the suitability map below

National to county	Street to parcels of land
County to town	Property
Town to street	

EANRW Suitability Map - Slice B

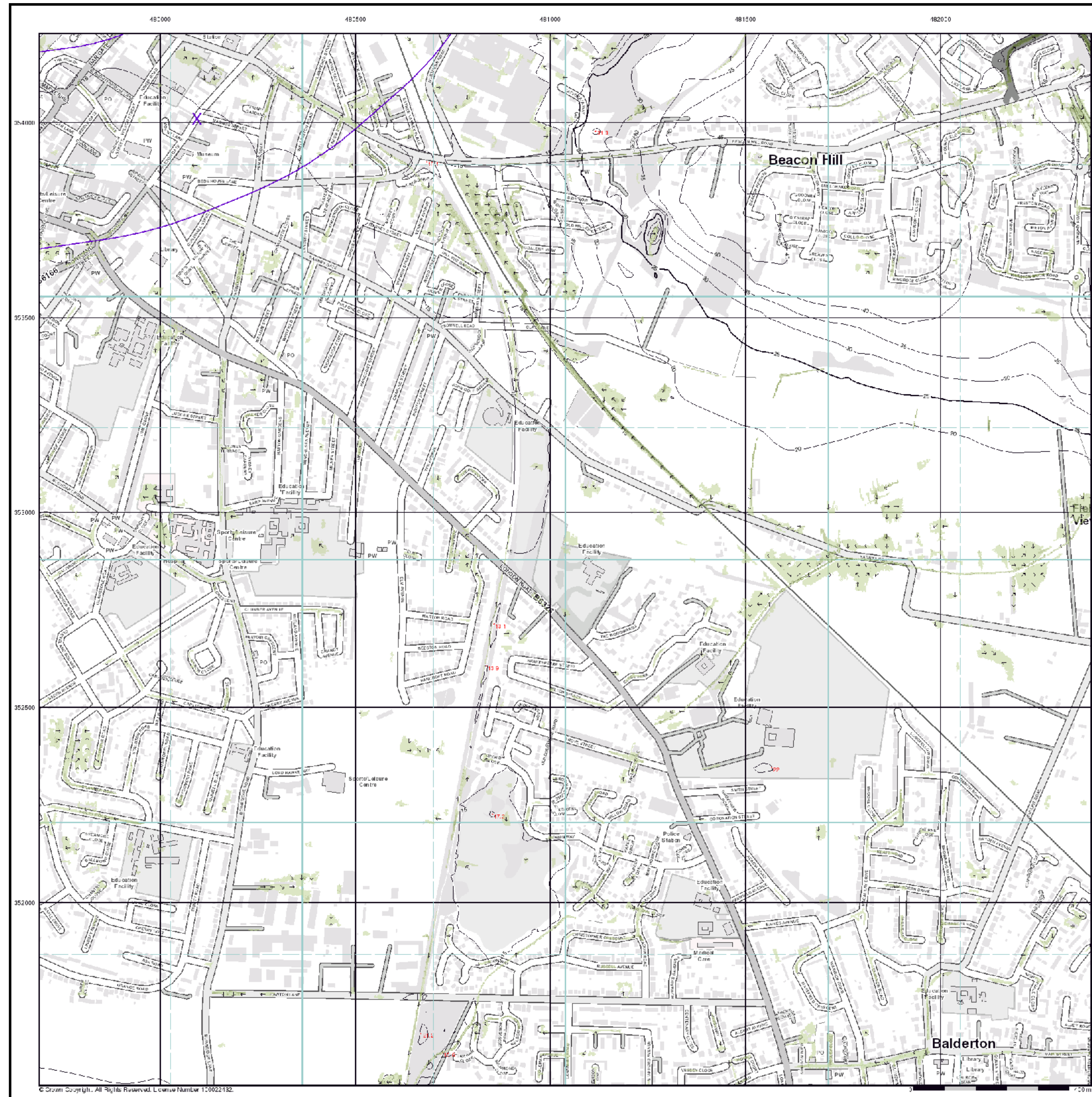


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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EANRW Surface Water 100 Year Return Velocity and Flow Direction Map (1:10,000)

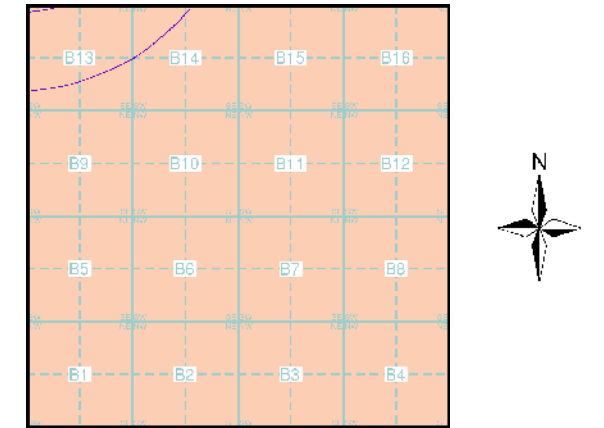
General
 Specified Site (pink circle), Specified Buffer(s) (purple line), Bearing Reference Point (X)

Surface Water Velocity and Direction
 0.00 - 0.25m/s (light green), 0.25 - 0.50m/s (medium green), 0.50 - 1.00m/s (darker green), 1.00 - 2.00m/s (dark green), > 2.00m/s (darkest green)
 ↑ Flow Direction at maximum velocity

Contours (height in metres)
 Standard Contour (105, 100, 95), Master Contour, Spot Height (*167.8)
 — MLW — Mean Low Water, — MHW — Mean High Water

Suitability
 See the suitability map below
 National to county (light green), County to town (orange), Town to street (blue), Street to parcels of land (pink), Property (yellow)

EANRW Suitability Map - Slice B



Order Details
 Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

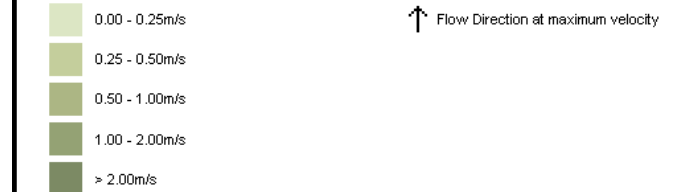
Site Details
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EANRW Surface Water 1000 Year Return Velocity and Flow Direction Map (1:10,000)

General
 Specified Site (pink circle) Specified Buffer(s) (purple outline) Bearing Reference Point (X)

Surface Water Velocity and Direction



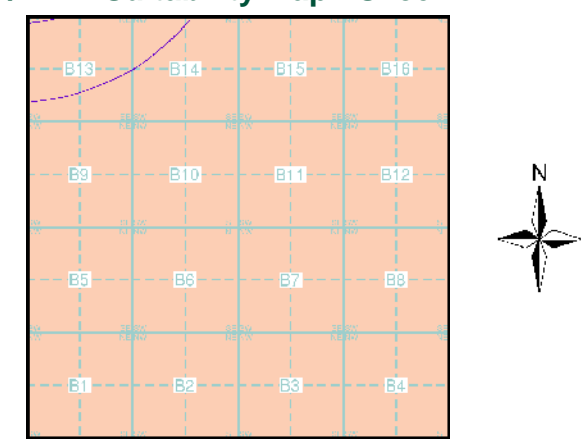
Contours (height in metres)



Suitability
 See the suitability map below

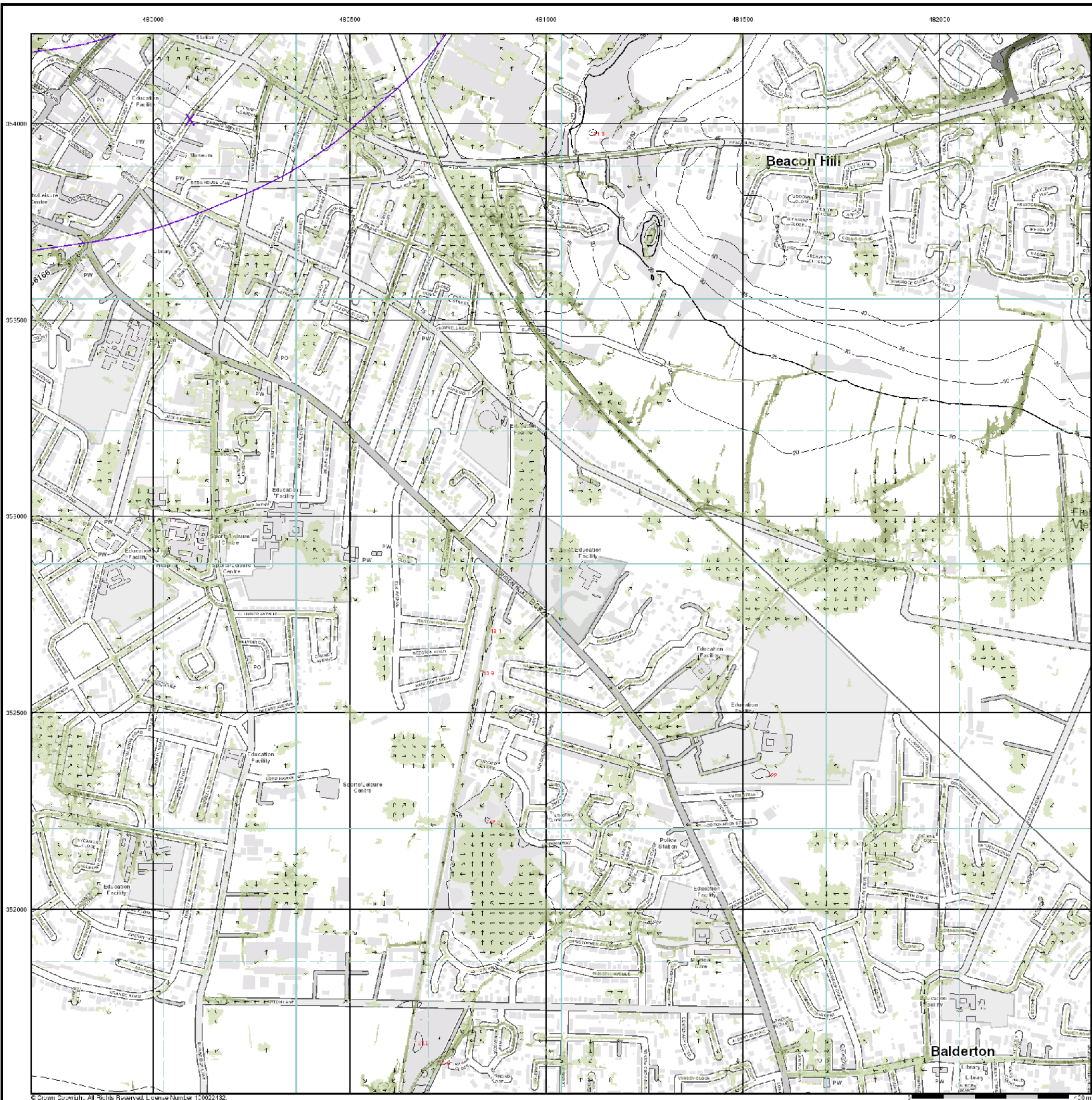
- National to county (light green)
- County to town (orange)
- Town to street (blue)
- Street to parcels of land (pink)
- Property (yellow)

EANRW Suitability Map - Slice B

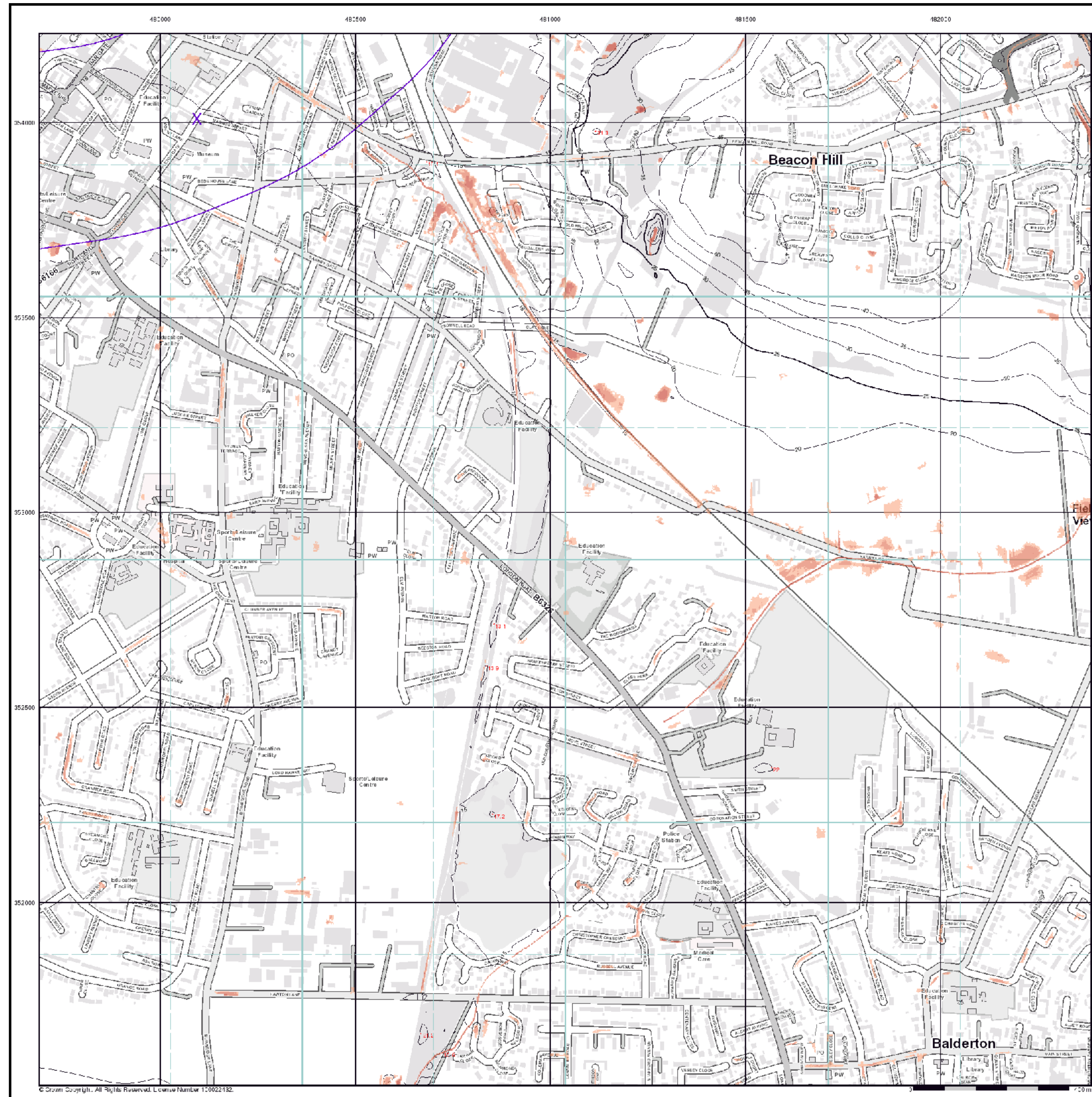


Order Details
 Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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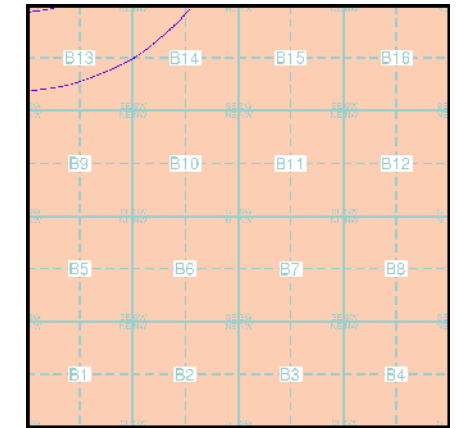
E/NRW Surface Water 30 Year Return Hazard Rating Map (1:10,000)

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
- Surface Water Hazard Rating**
- Low (0.5 – 0.75)
 - Moderate (0.75 – 1.25)
 - Significant (1.25 – 2.0)
 - Extreme (>2.0)

- Contours (height in metres)**
- Standard Contour
 - Master Contour
 - Spot Height
 - MLW Mean Low Water
 - MHW Mean High Water

- Suitability**
- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

E/NRW Suitability Map - Slice B

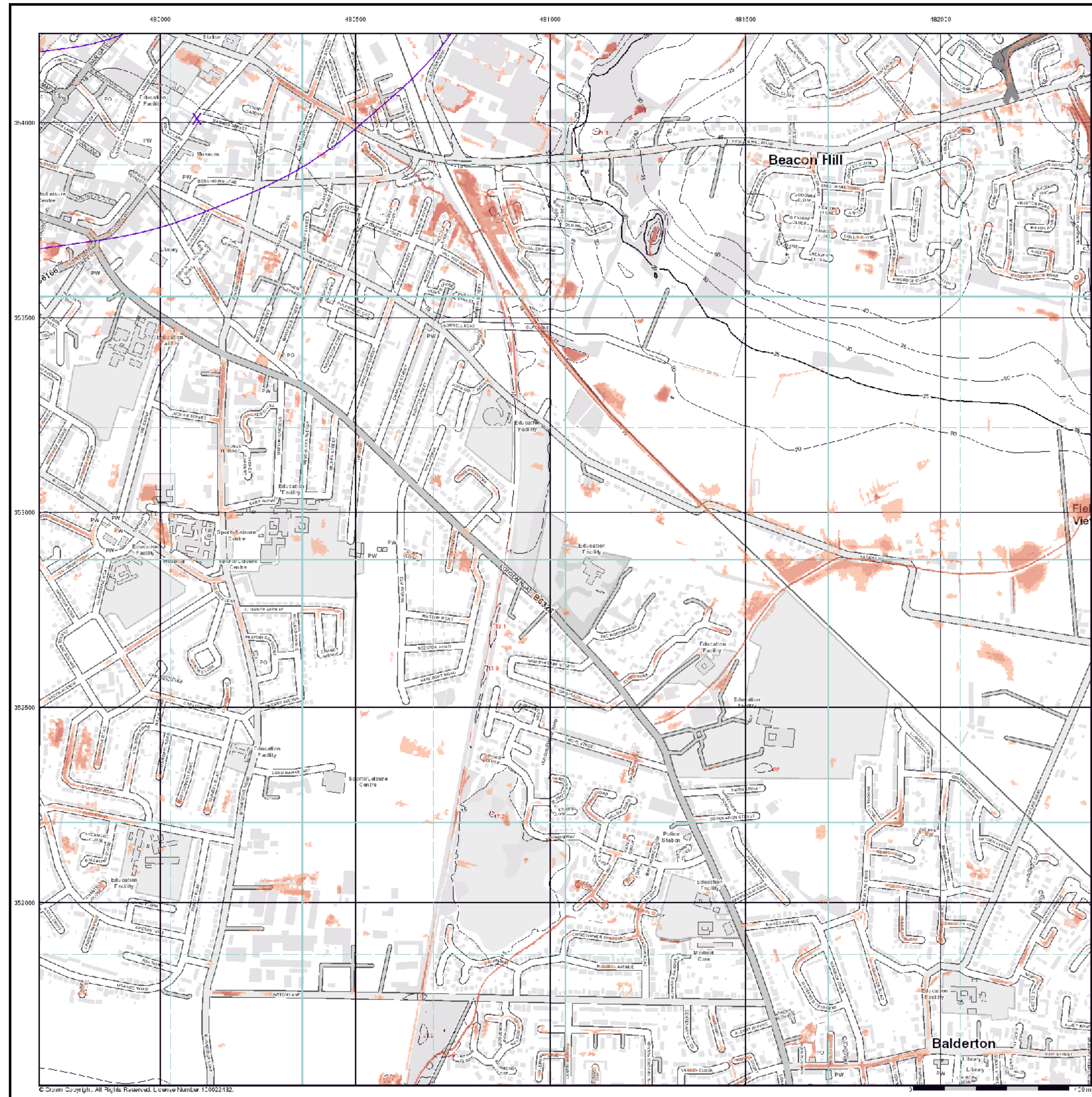


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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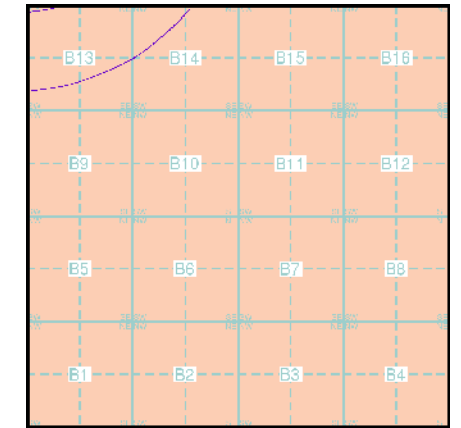
E/ANRW Surface Water 100 Year Return Hazard Rating Map (1:10,000)

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
- Surface Water Hazard Rating**
- Low (0.5 – 0.75)
 - Moderate (0.75 – 1.25)
 - Significant (1.25 – 2.0)
 - Extreme (>2.0)

- Contours (height in metres)**
- Standard Contour
 - Master Contour
 - Spot Height: 167.8
 - MLW: Mean Low Water
 - MHW: Mean High Water

- Suitability**
- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

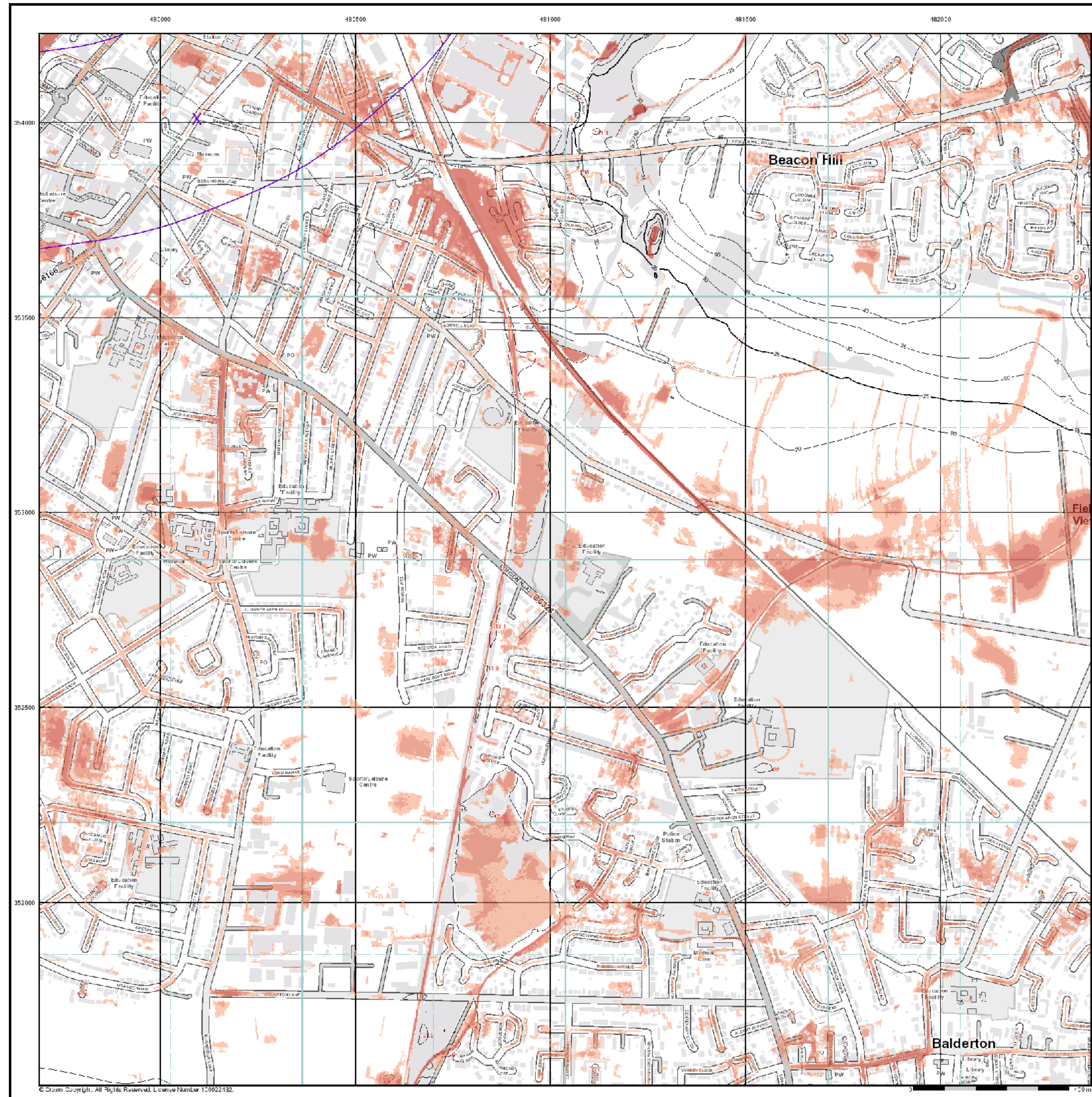
E/ANRW Suitability Map - Slice B



- Order Details**
- Order Number: 172582399_1_1
 - Customer Ref: 5162675 sub no 255
 - National Grid Reference: 480090, 354010
 - Slice: B
 - Site Area (Ha): 21.45
 - Search Buffer (m): 1000

Site Details
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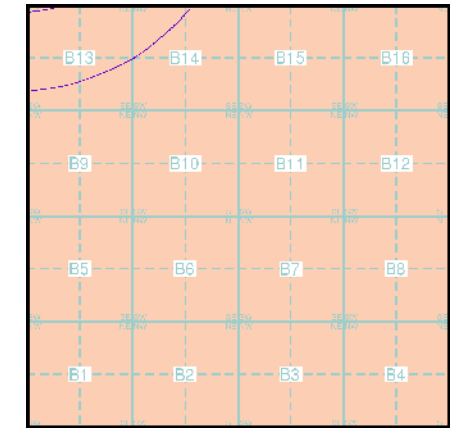
E/ANRW Surface Water 1000 Year Return Hazard Rating Map (1:10,000)

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
- Surface Water Hazard Rating**
- Low (0.5 – 0.75)
 - Moderate (0.75 – 1.25)
 - Significant (1.25 – 2.0)
 - Extreme (>2.0)

- Contours (height in metres)**
- Standard Contour
 - Master Contour
 - Spot Height *167.8
 - MLW Mean Low Water
 - MHW Mean High Water

- Suitability**
- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

E/ANRW Suitability Map - Slice B

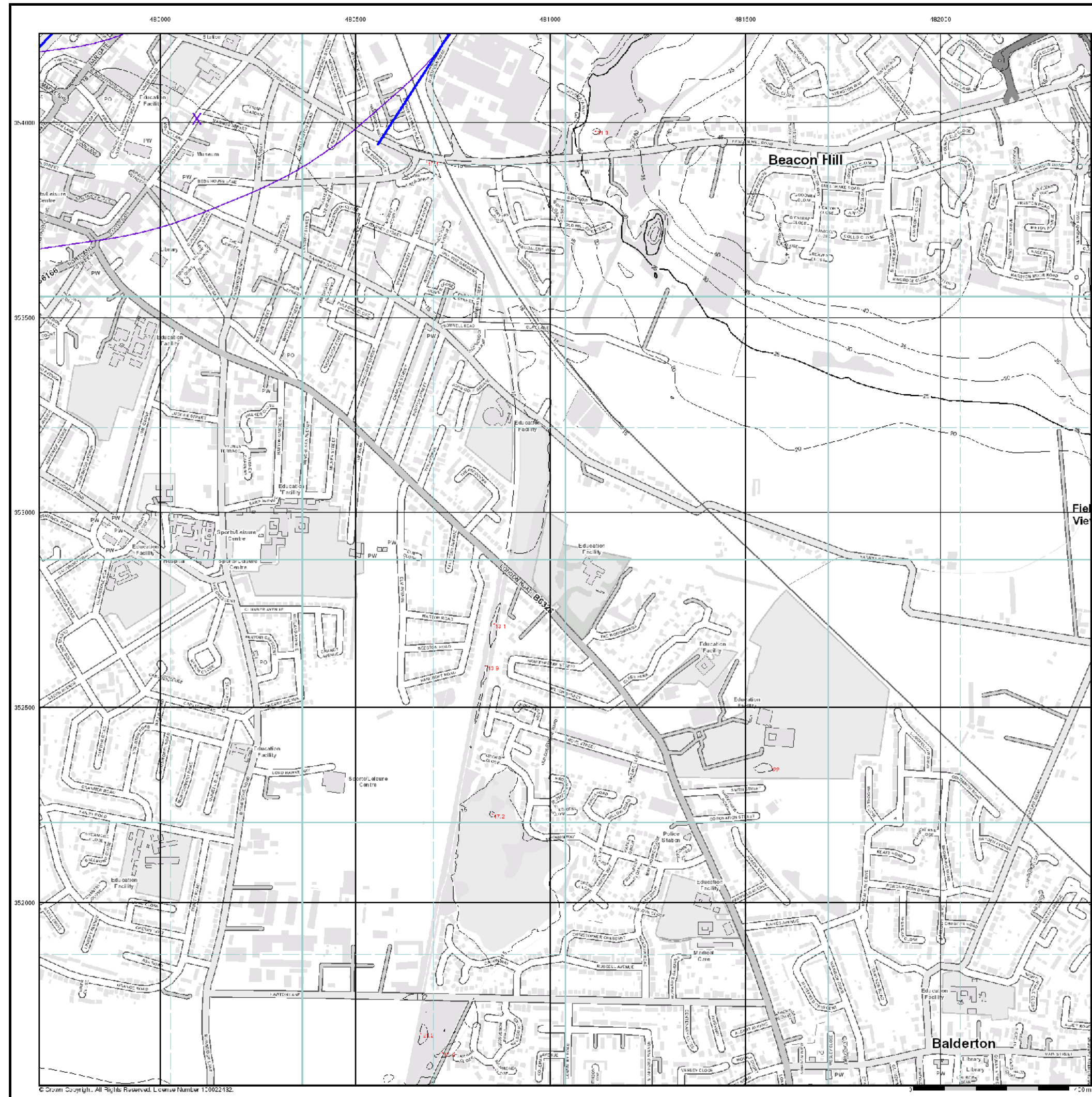


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
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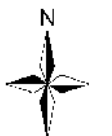
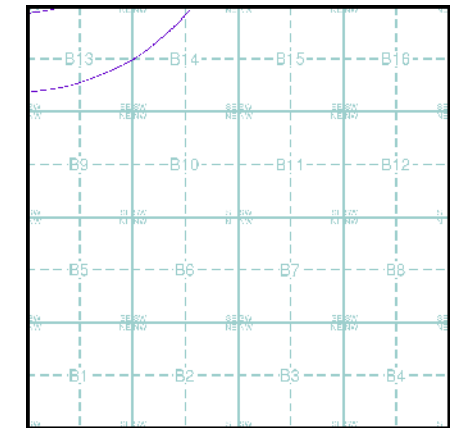
OS Water Network Lines Map (1:10,000)

- General**
- Specified Site
 - Specified Buffer(s)
 - ✕ Bearing Reference Point

- OS Water Network Data**
- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |
| Junction | Source |
| Outlet | Other |
| Pseudo | |

- Contours (height in meters)**
- Standard Contour 105 100 95
- Master Contour 100
- Spot Height 167.3
- Mean Low Water
- Mean High Water

OS Water Network Map - Slice B



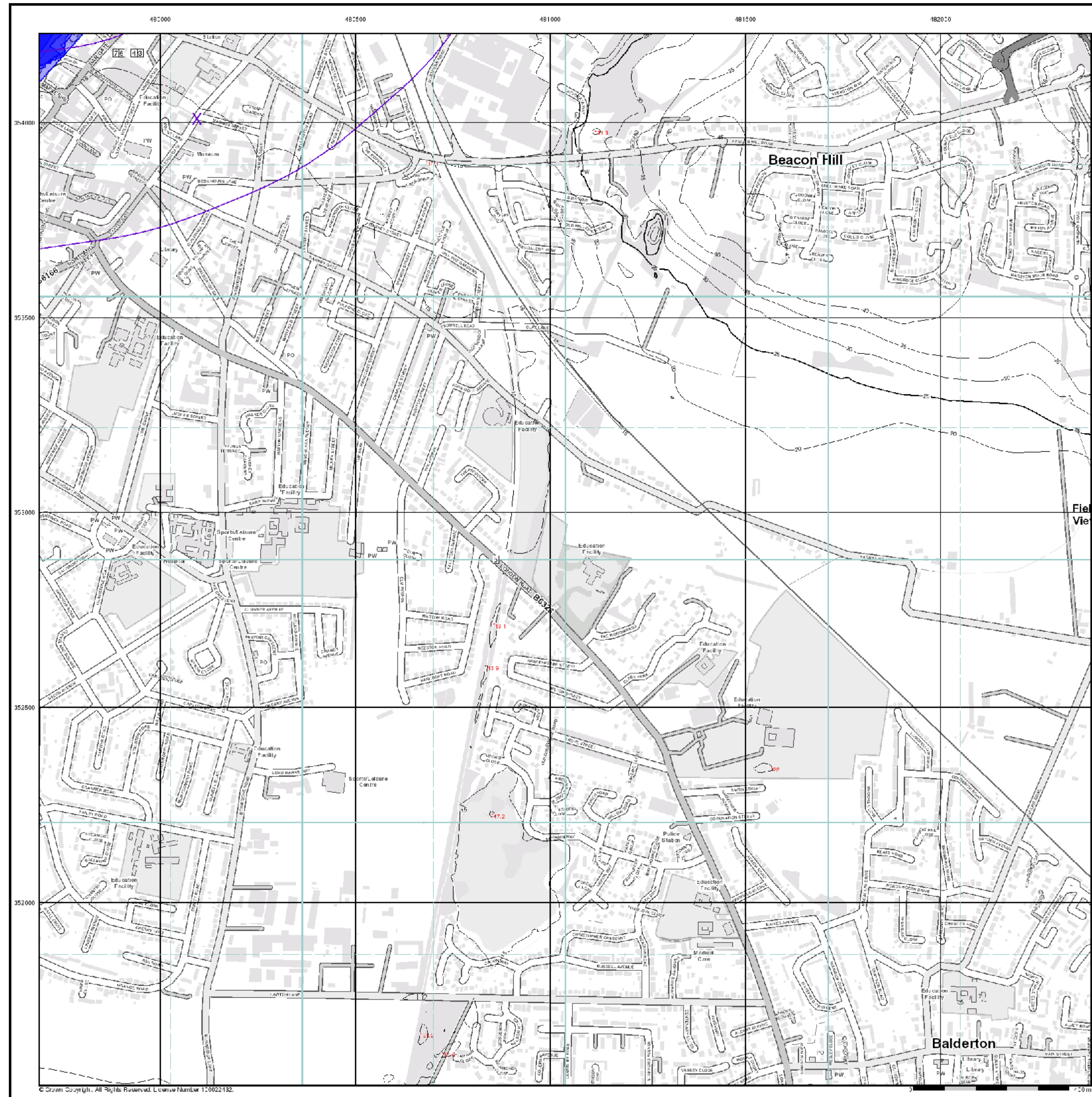
Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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EANRW Historic Flood Map (1:10,000)

General

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

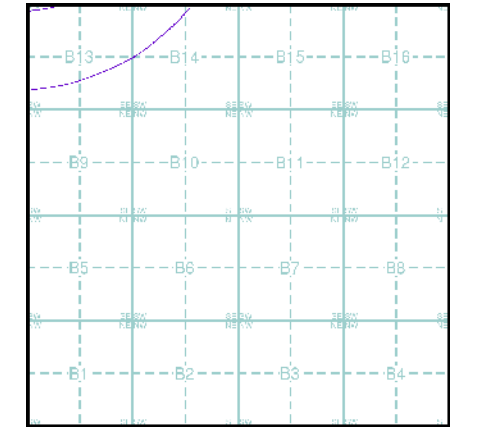
Historic Flood Events Data

- | | |
|--|---------------------------------------|
| Channel Capacity Exceeded (no raised defences) | Obstruction/Blockage - Culvert |
| Channel Capacity Exceeded /Surface Water | Obstruction/Blockage - Debris Screen |
| Groundwater/High Water Table | Operational Failure/Breach of Defence |
| Local Drainage/Surface Water | Other |
| Mechanical Failure | Overtopping of Defences |
| Obstruction/Blockage - Bridge | Surface Water |
| Obstruction/Blockage - Channel | Unknown |
| Historical Flood Liabilities | |

Contours (height in metres)

- Standard Contour 105 Mean Low Water
- Master Contour 100 Mean High Water
- Spot Height 167.8

EANRW Historic Flood Map - Slice B



Order Details

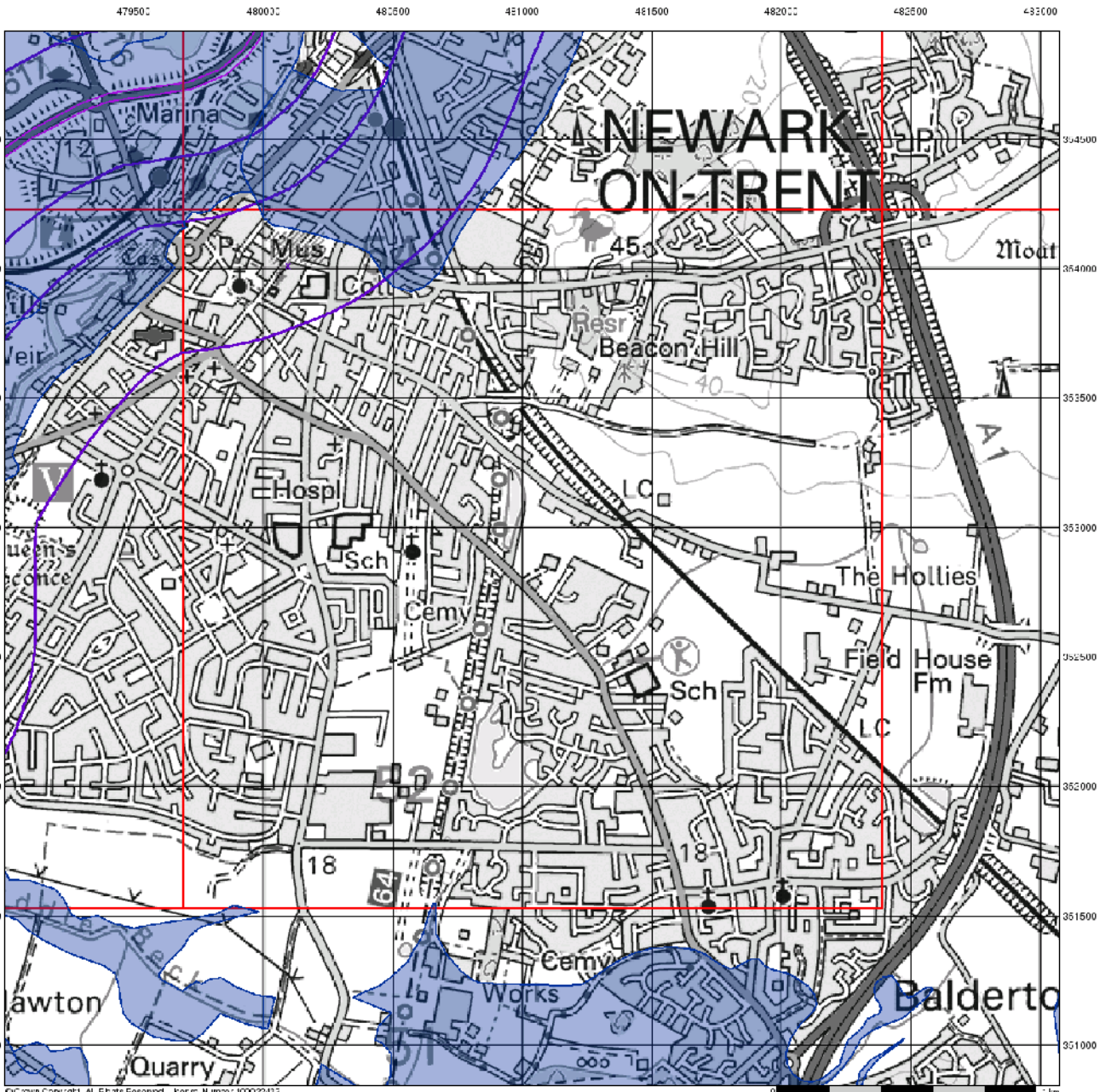
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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BGS Flood Data (1:50,000)

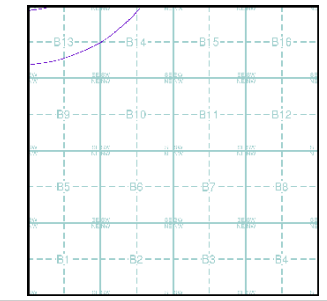
General

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

BGS Geological Indicators of Flooding

- Coastal
- Inland
- Bodies of Water

BGS Flood Data Map - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
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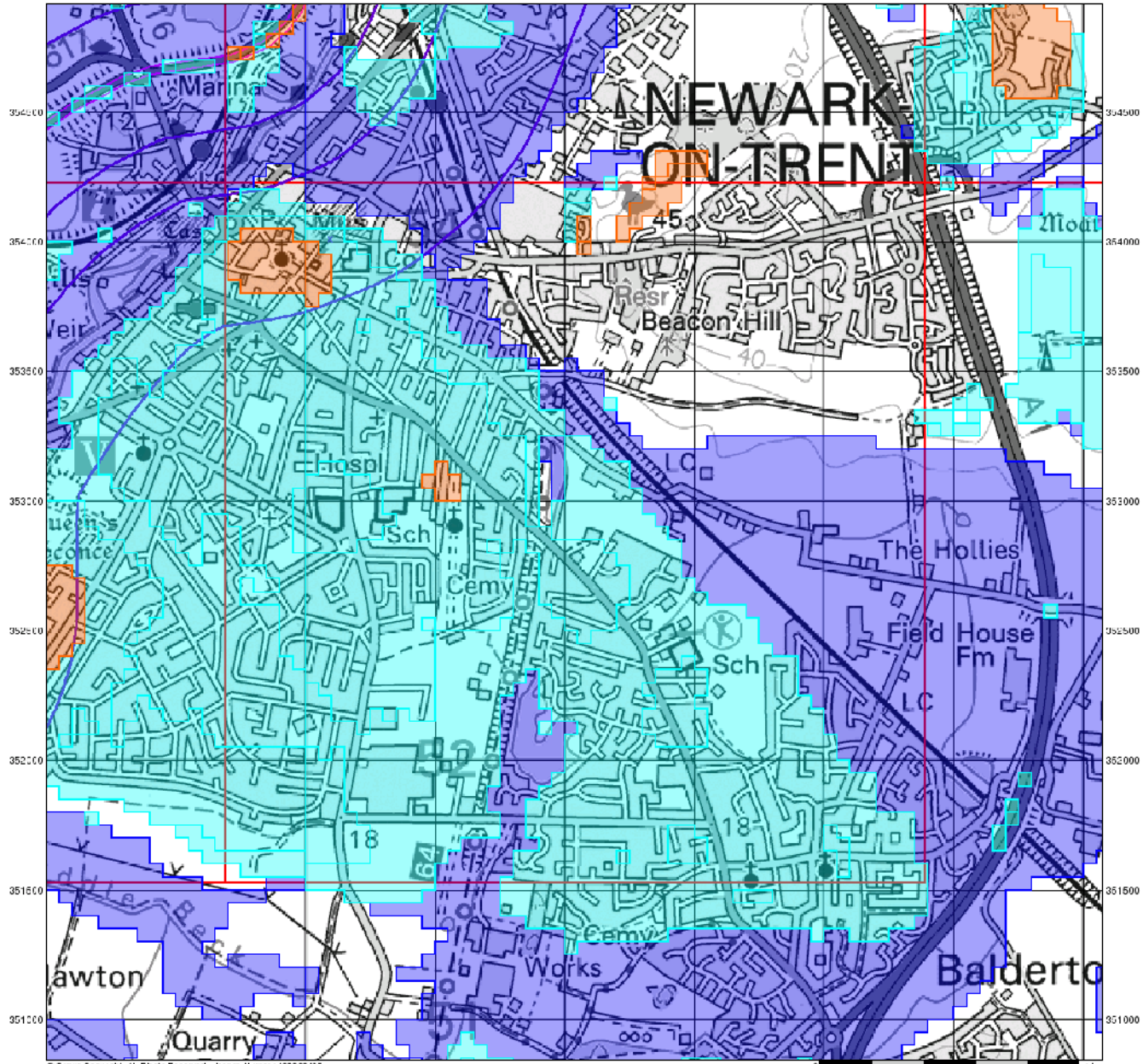
Site Details

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BGS Flood Data (1:50,000)

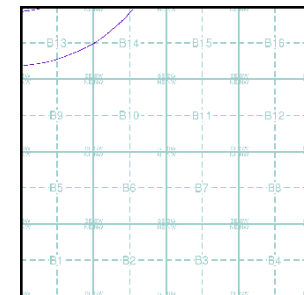
General

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

BGS Groundwater Flooding Susceptibility

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

BGS Flood Data Map - Slice B



Order Details

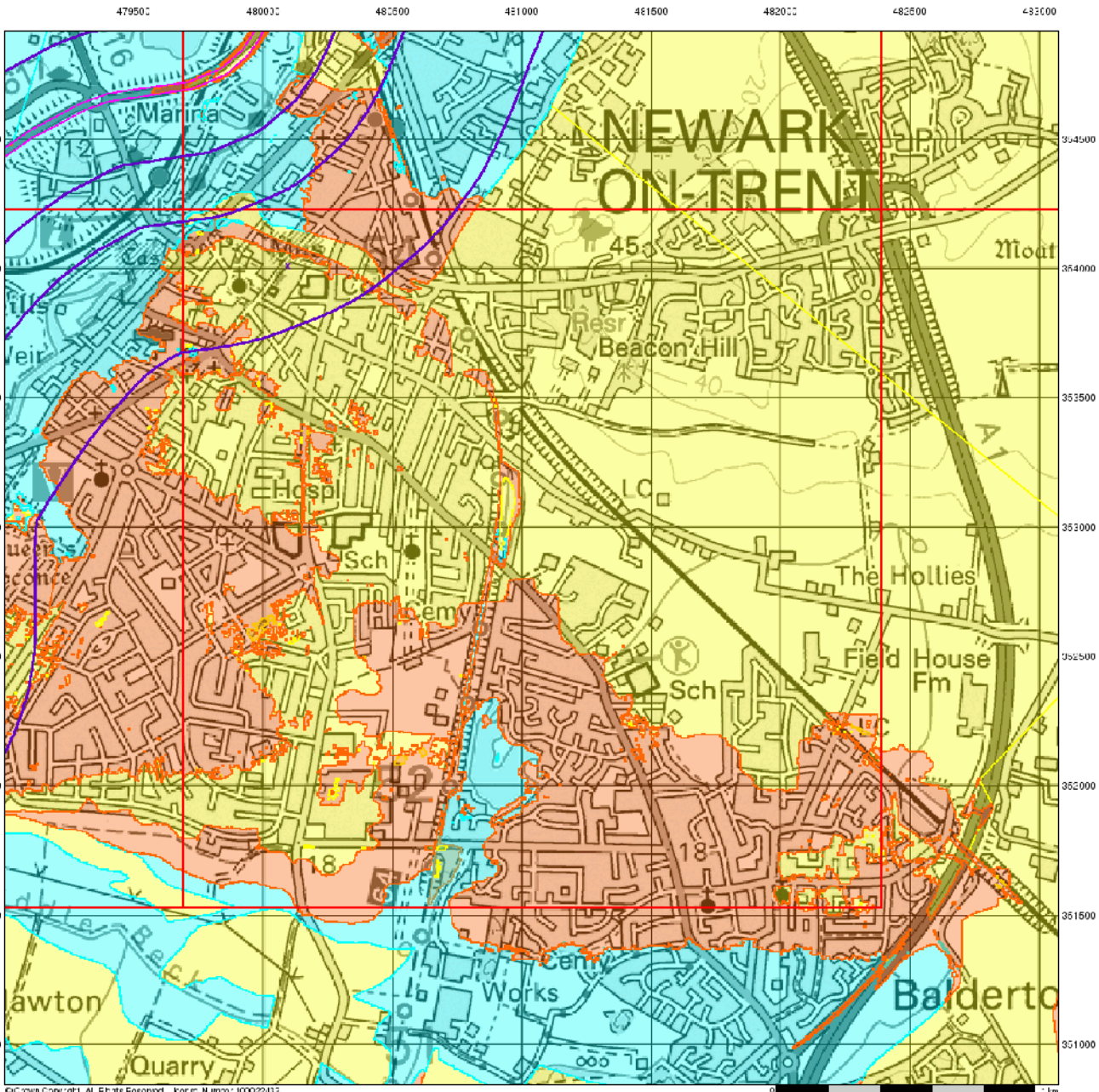
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
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GeoSmart Information Groundwater Flood Map (1:50,000)

General

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

□ Slice

GeoSmart Information Groundwater Flooding Risk

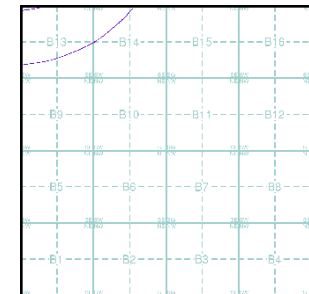
■ High Risk

■ Moderate Risk

■ Low Risk

■ Negligible Risk

GeoSmart Information Groundwater Flood Map - Slice B



Order Details

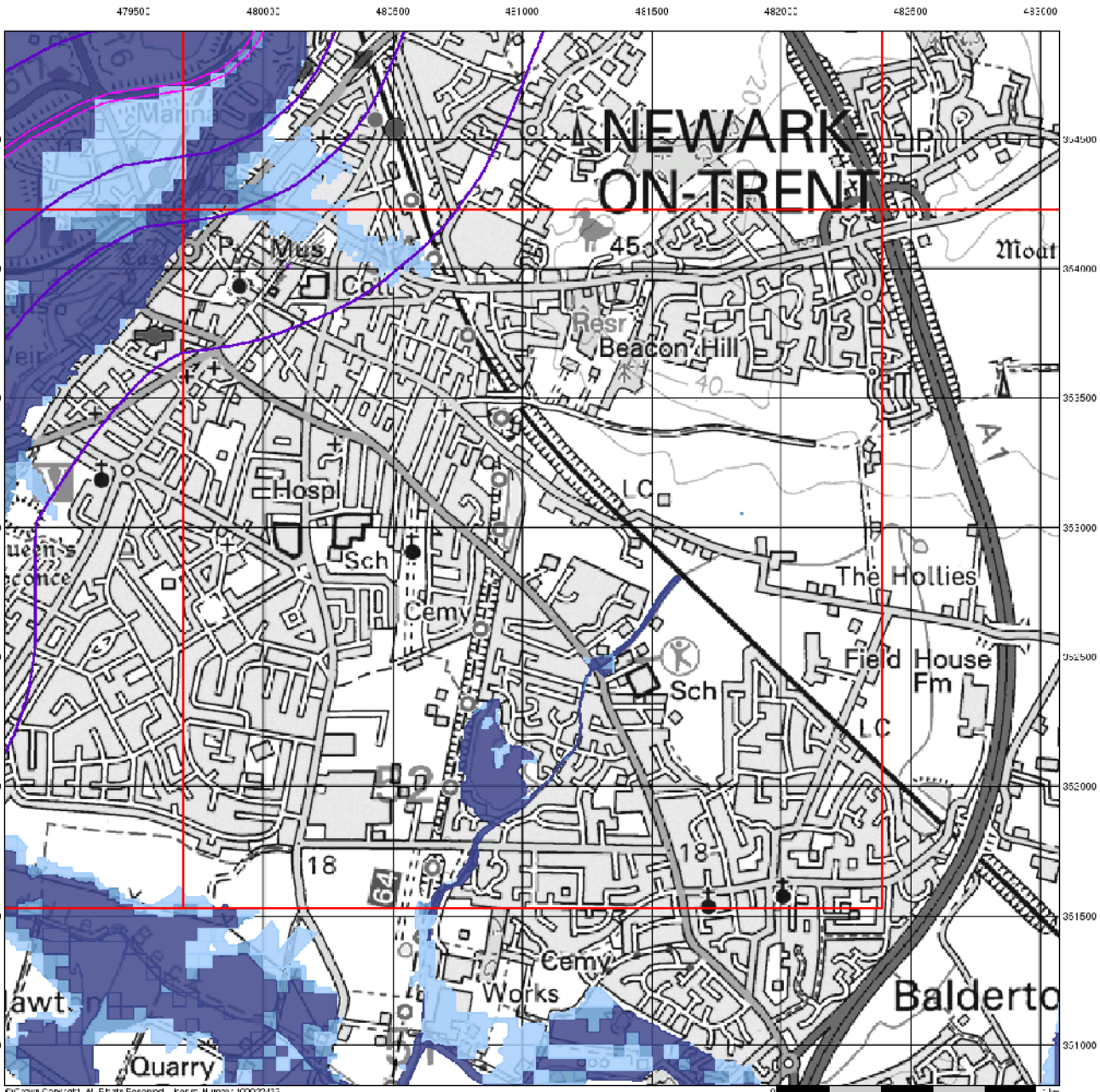
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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EA/NRW RoFRS Data (1:50,000)

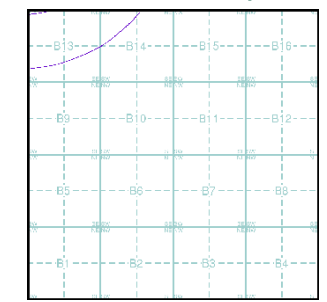
General

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

Risk of Flooding from Rivers and Sea (RoFRS)

- High Risk
- Medium Risk
- Low Risk
- Very Low Risk

EA/NRW RoFRS Data Map - Slice B



Order Details

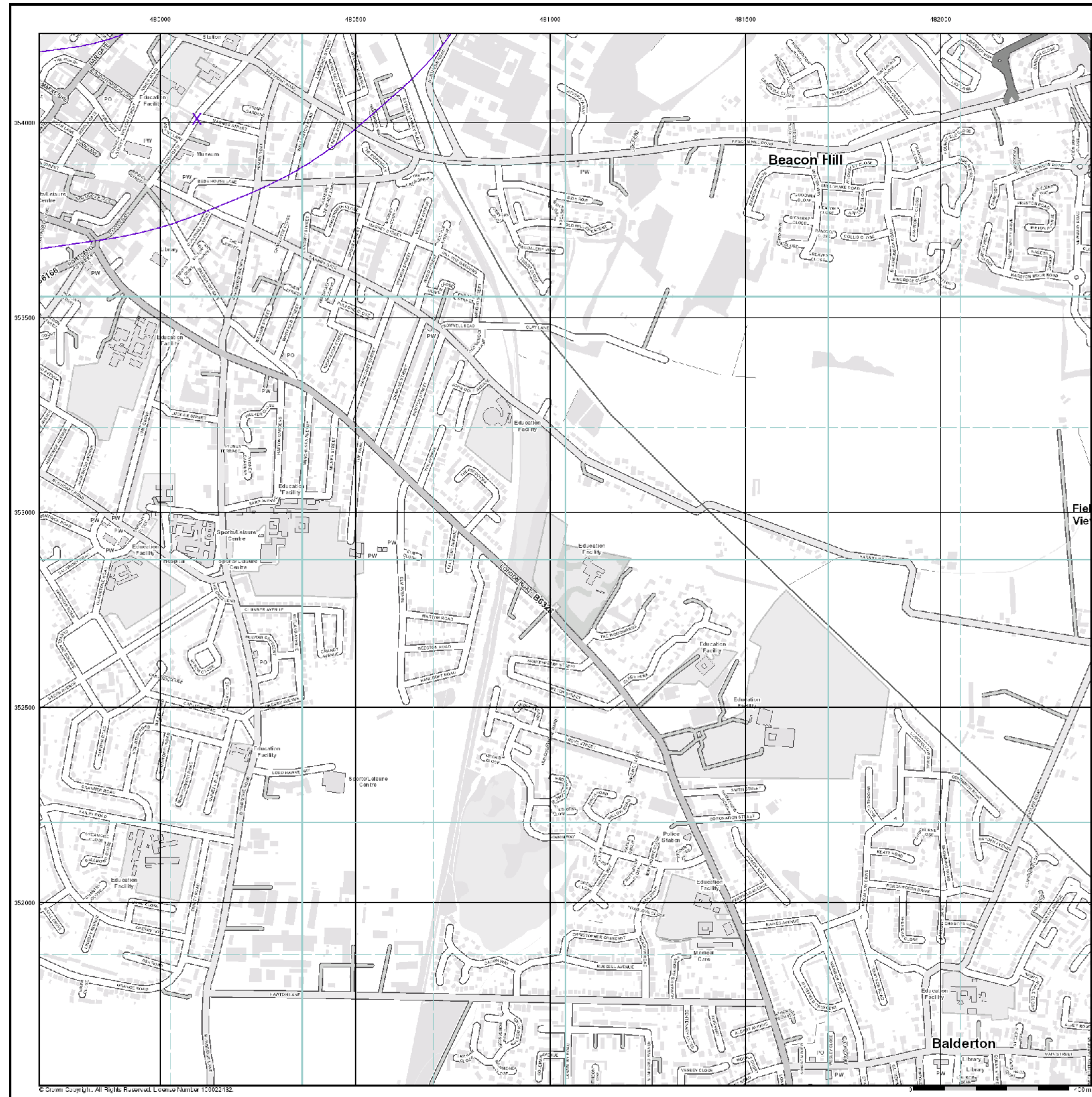
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
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 Site Area (Ha): 21.45
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Historical Land Use Information (1:10,000)

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

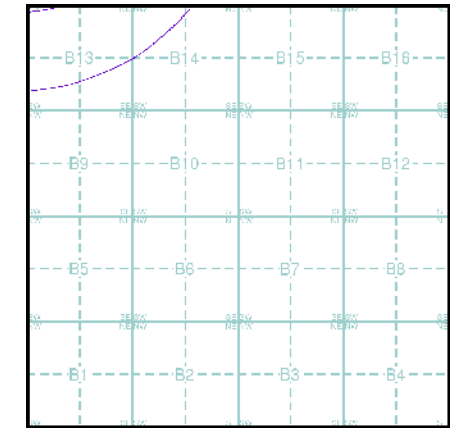
	Point	Line	Polygon
Air Shafts	Blue diamond	Blue line	Blue hatched polygon
Disturbed Ground	Purple diamond	Purple line	Purple hatched polygon
General Quarrying	Brown diamond	Brown line	Brown hatched polygon
Heap, unknown constituents	Green diamond	Green line	Green hatched polygon
Mineral Railway	Red diamond	Red line	Red hatched polygon
Mining and Quarrying General	Red diamond	Red line	Red hatched polygon
Mining of Coal & Lignite	Blue diamond	Blue line	Blue hatched polygon
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	Orange diamond	Orange line	Orange hatched polygon

Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	Brown circle	Red dashed line	Brown hatched polygon
Potentially Infilled Land (Water)	Green circle	Green dashed line	Green hatched polygon
Former Marsh	Blue cross		

- Mining Data**
- Potential Mining Area
 - BGS Recorded Mineral Site

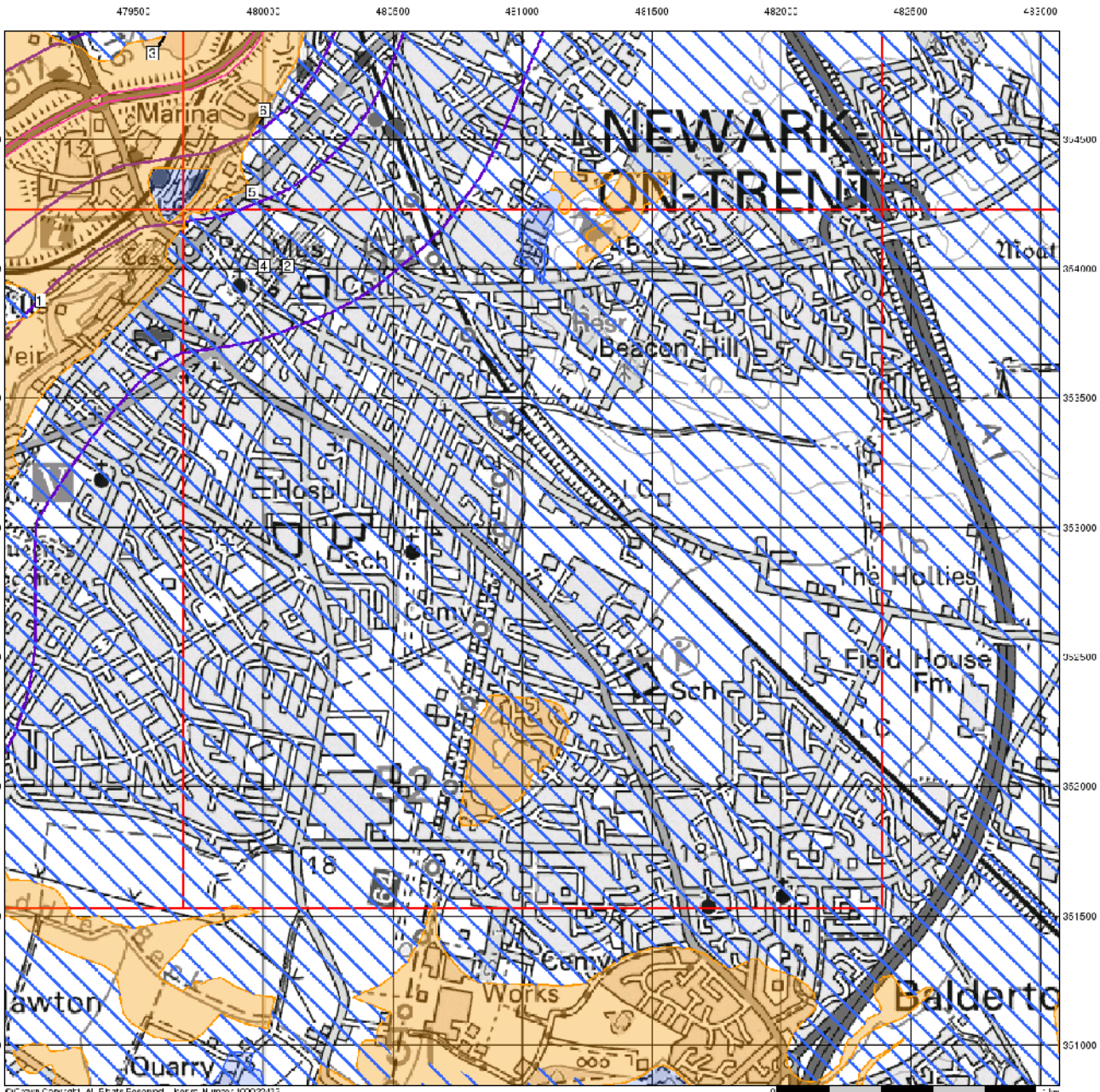
Mining and Ground Stability - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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Ground Stability Data (1:50,000)

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

Potential for Compressible Ground Stability Hazards

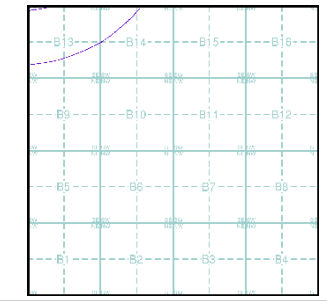
- High
- Moderate
- Low
- Very Low

Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

- Brine Pumping and Salt Mining**
- | | Point | Polygon |
|-------------------------------|-------|---------|
| Brine Pumping Related Feature | | |
| Salt Mining Related Feature | | |

Mining and Ground Stability - Slice B



Order Details

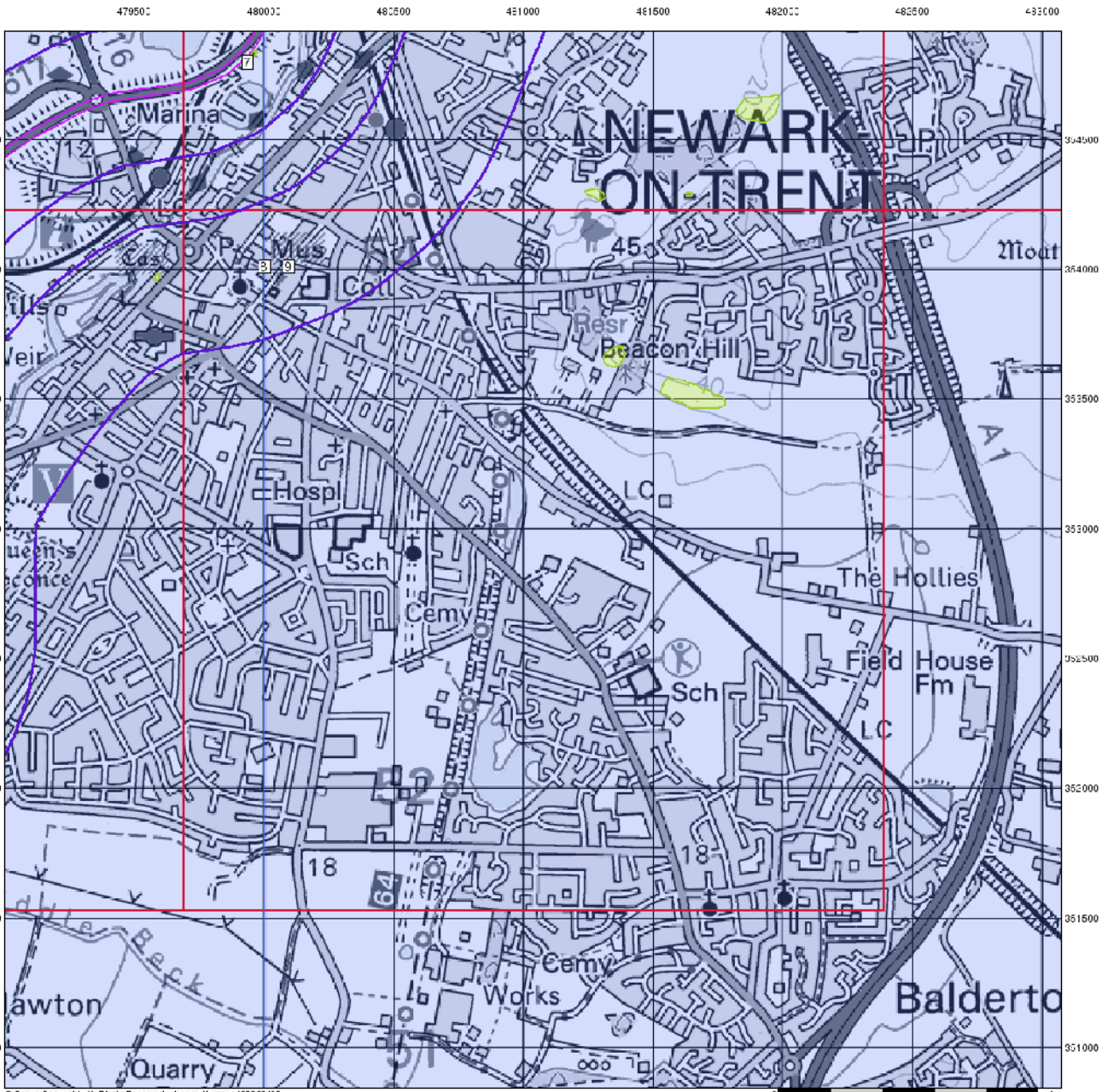
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 Customer Ref: 5162675 sub no 255
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 Slice: B
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Ground Stability Data (1:50,000)





General

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

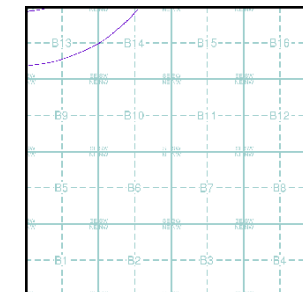
Potential for Landslide Ground Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

Potential for Ground Dissolution Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

Mining and Ground Stability - Slice B



Order Details

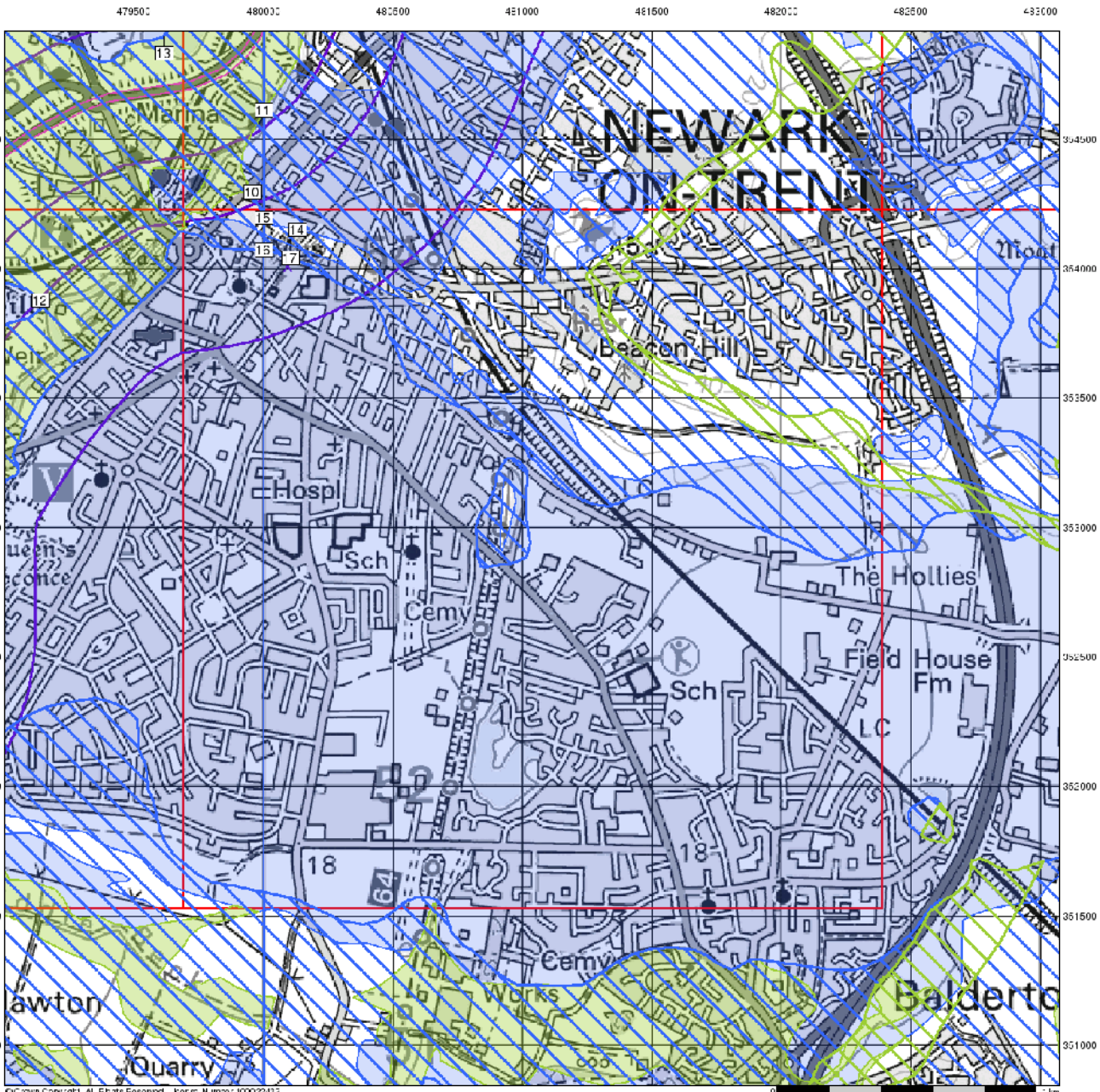
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
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Ground Stability Data (1:50,000)





General

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

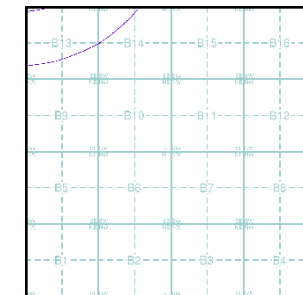
Potential for Running Sand Ground Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

Mining and Ground Stability - Slice B



Order Details

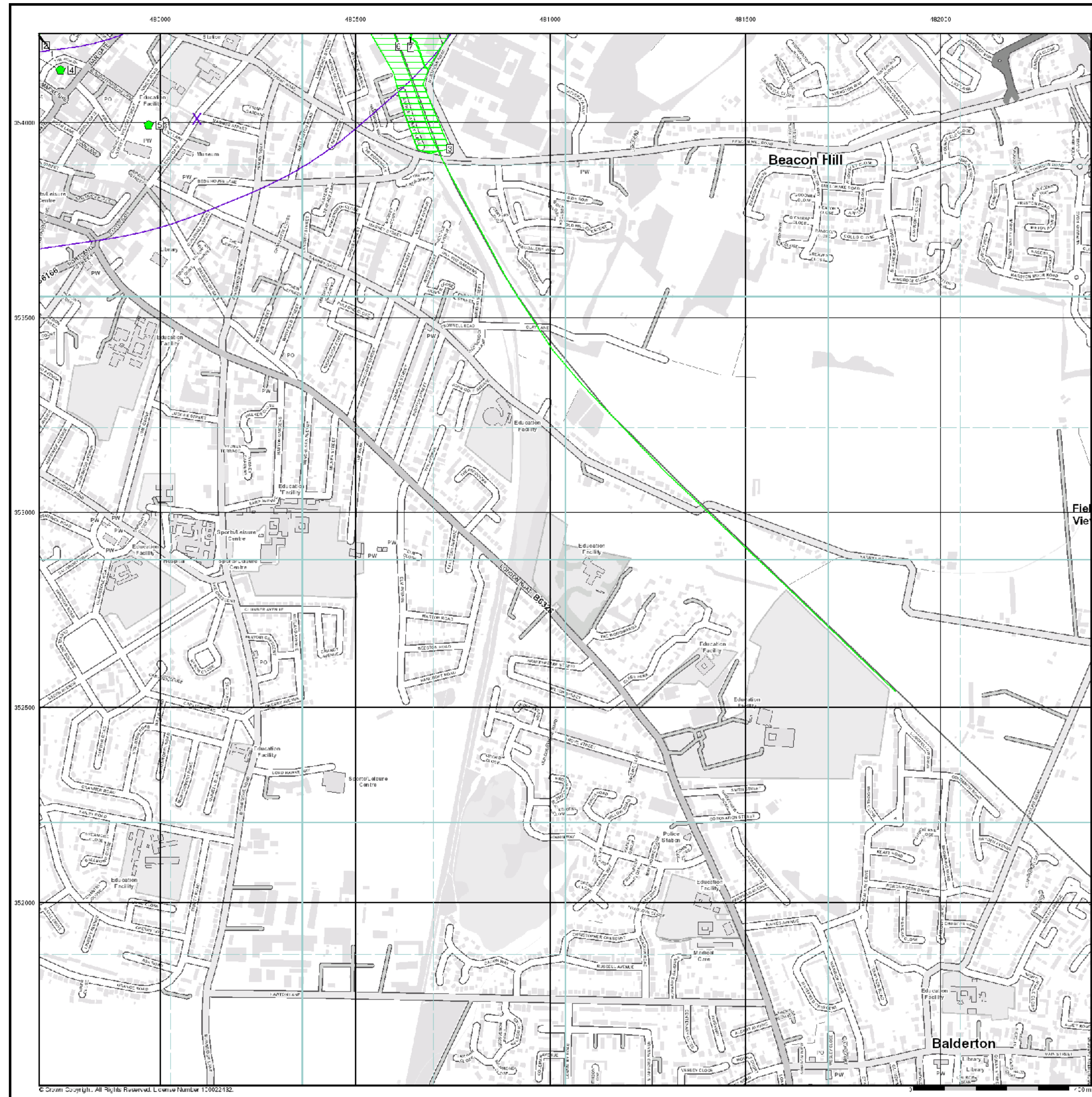
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Site Details

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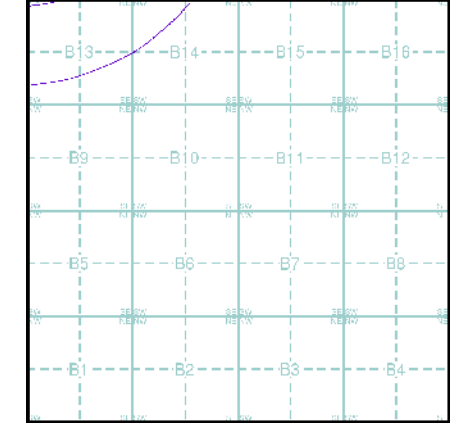
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Historical Building Plans**
- Area Cleared due to Enemy Action
- Historical Land Use**
- Former Marsh
 - Historical Flood Liability
 - Historical Flood Liability (Location)
 - Potentially Contaminative Industrial Use (Past Land Use)
 - Potentially Contaminative Industrial Use (Past Land Use) (Linear)
 - Potentially Contaminative Industrial Use (Past Land Use) (Location)
 - Potentially Infilled Land (Non-Water)
 - Potentially Infilled Land (Non-Water) (Linear)
 - Potentially Infilled Land (Non-Water) (Location)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water) (Linear)
 - Potentially Infilled Land (Water) (Location)

Historical Data Report - Slice Map B

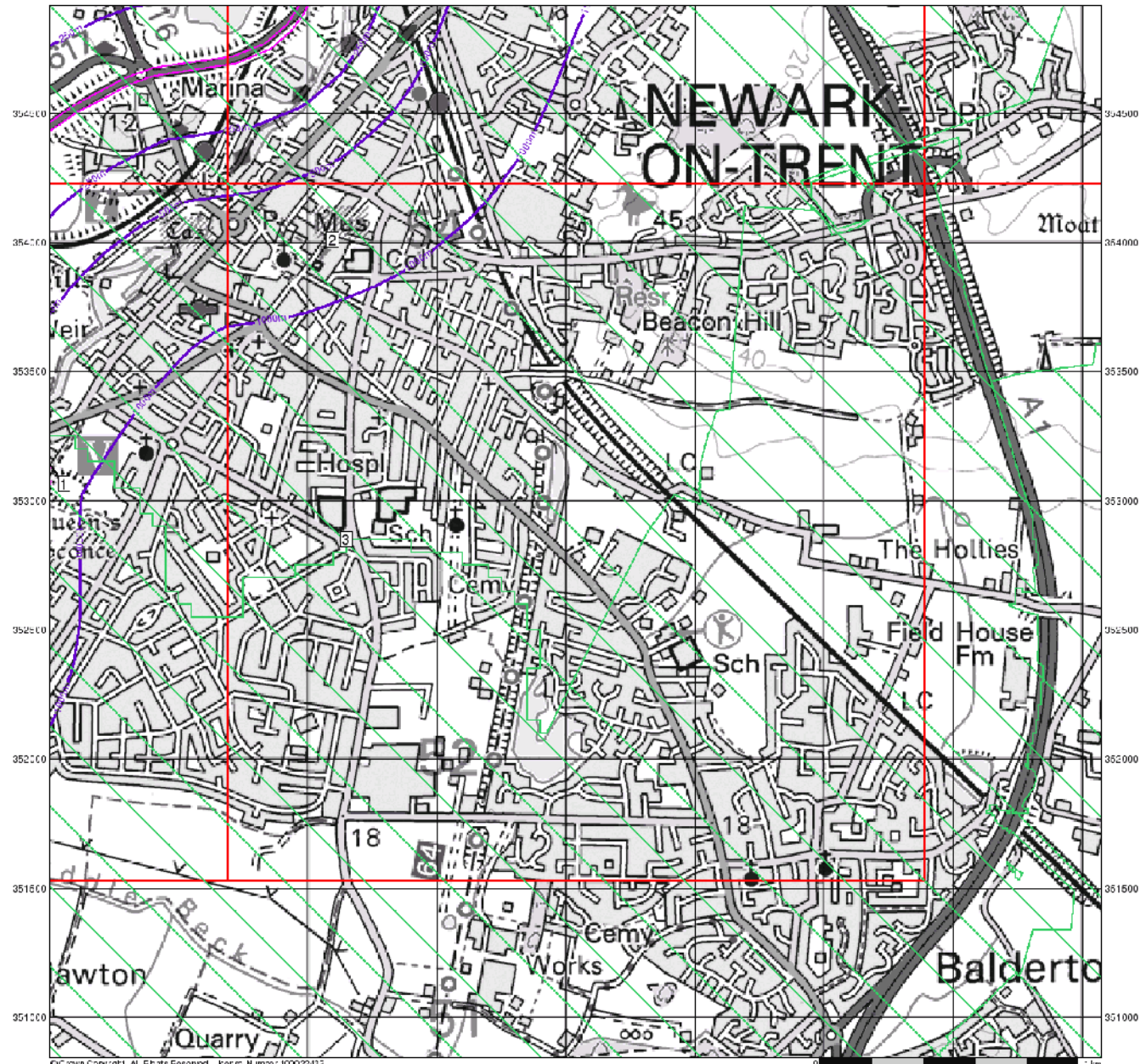


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
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 Search Buffer (m): 1000

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Ecology

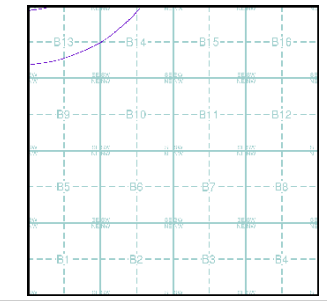
General

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

Ecology

-  Ancient Woodland
-  Area of Adopted Green Belt
-  Area of Outstanding Natural Beauty
-  Area of Unadopted Green Belt
-  Country Parks
-  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

Ecology - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

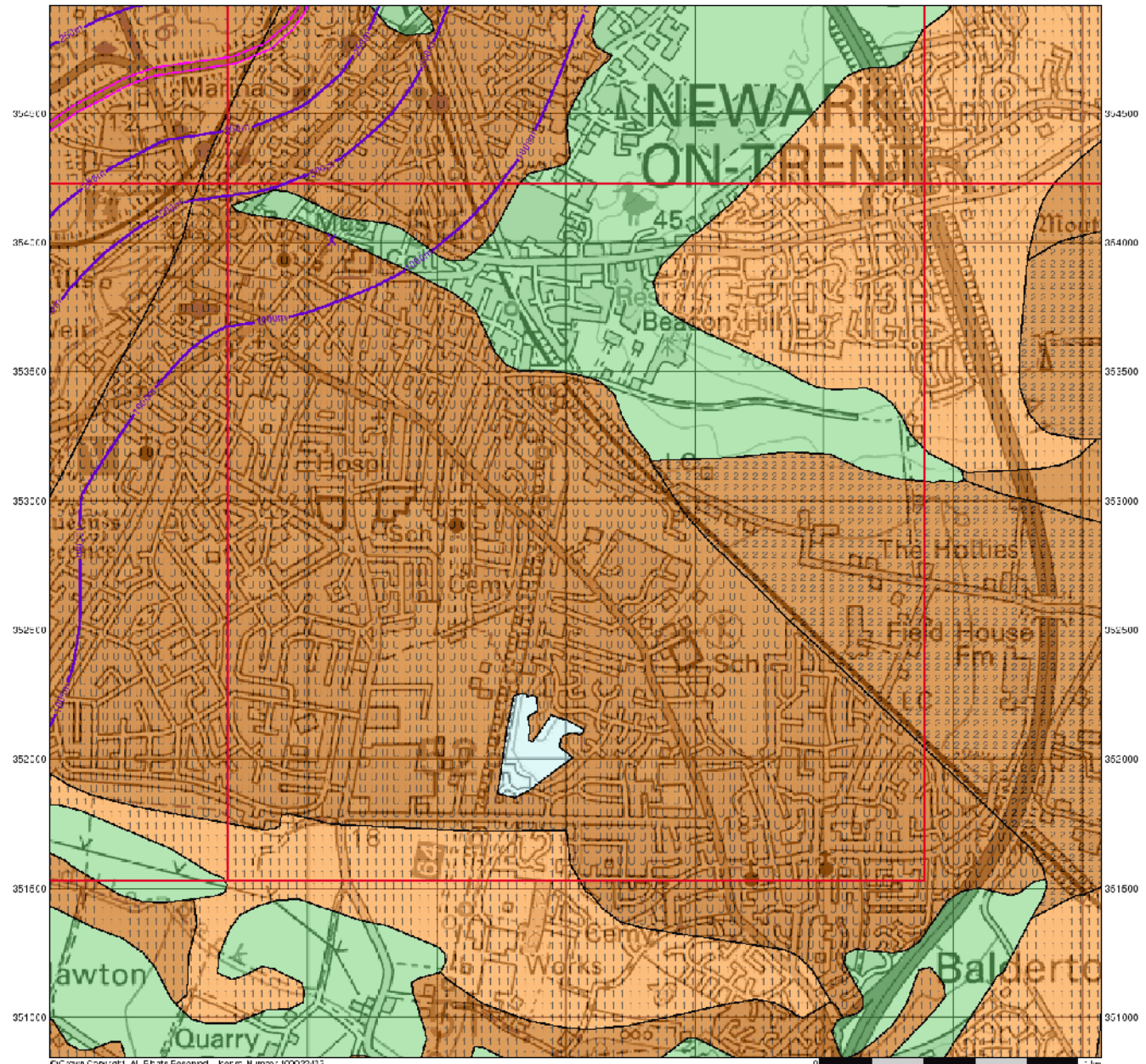
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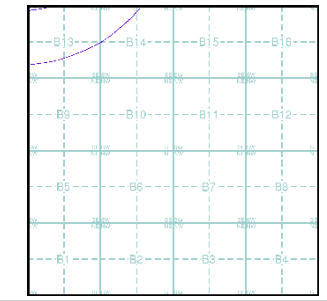
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Water and Hydrology

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

- Groundwater Vulnerability**
- | | |
|--|--|
| Geological Classes | Soil Classes |
| <ul style="list-style-type: none"> Major Aquifer (Highly Permeable) Minor Aquifer (Variably Permeable) Non Aquifer (Negligibly Permeable) Water or Sea Drift Deposit | <ul style="list-style-type: none"> High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low |

Groundwater Vulnerability - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

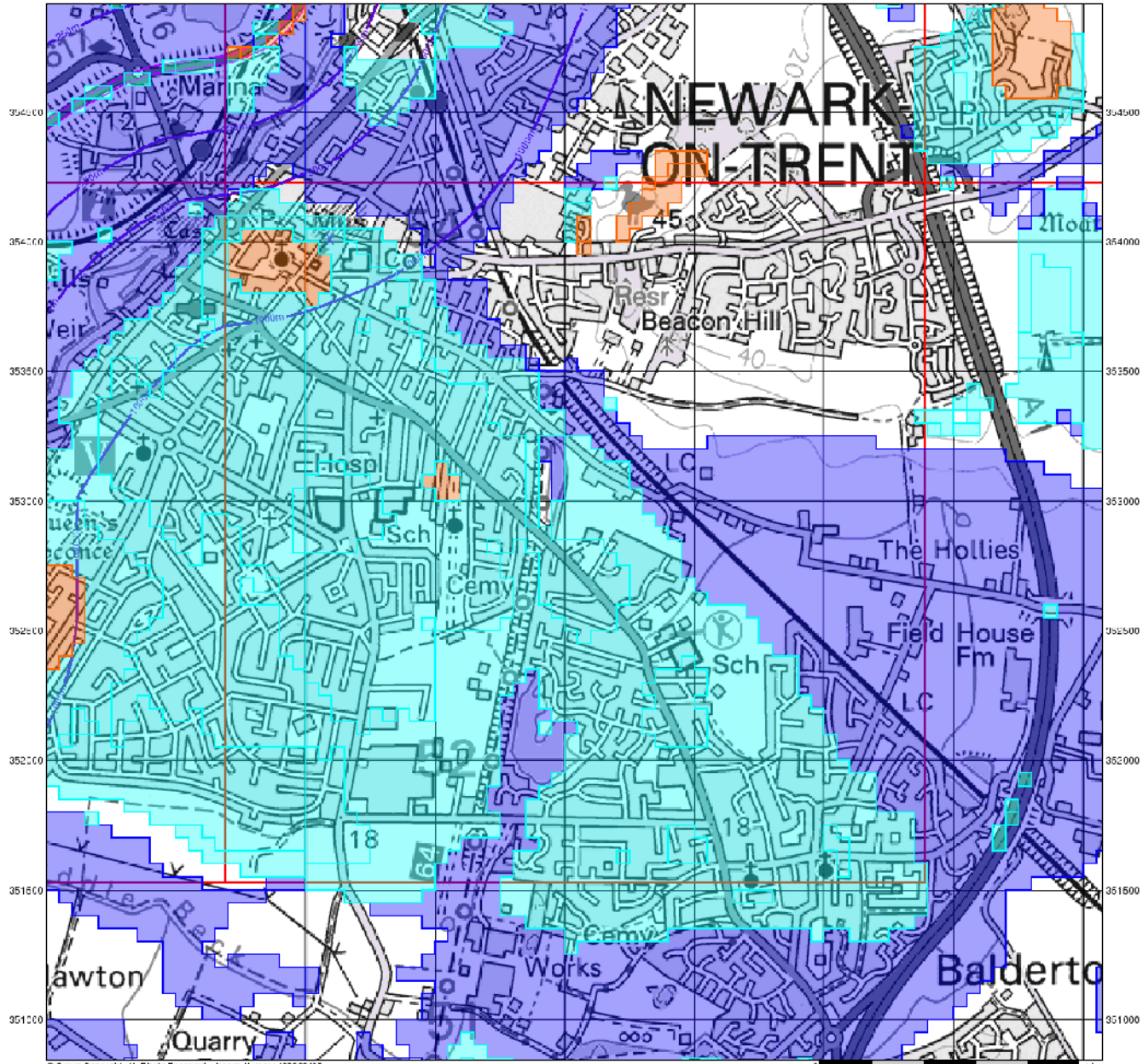
Site Details

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Water and Hydrology

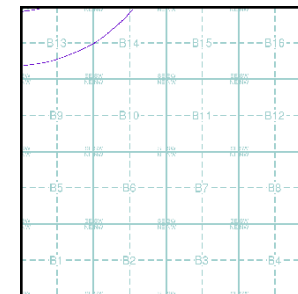
General

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

Groundwater Flooding Susceptibility

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

Groundwater Flooding Susceptibility - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

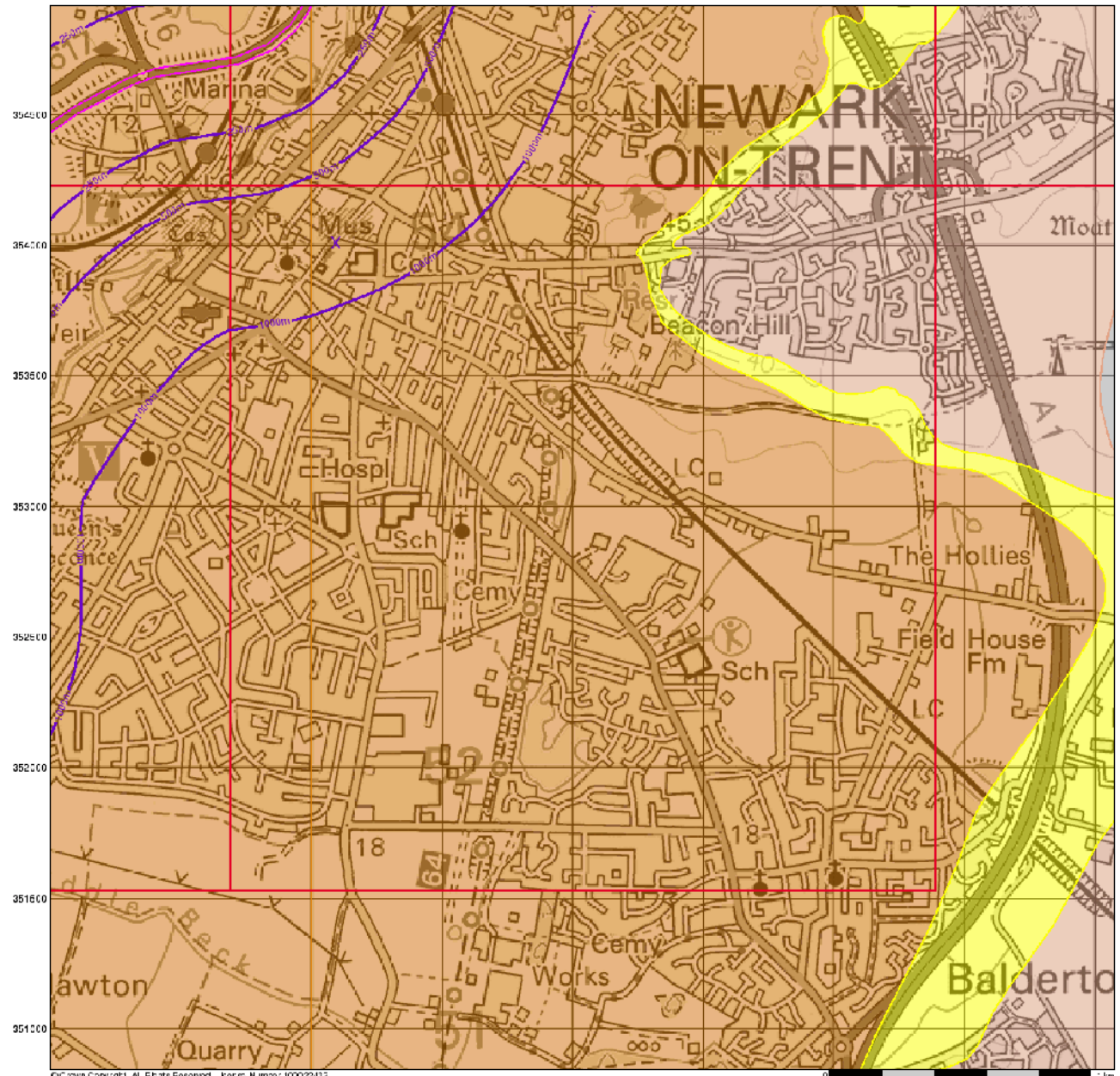
Site Details

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Water and Hydrology

General

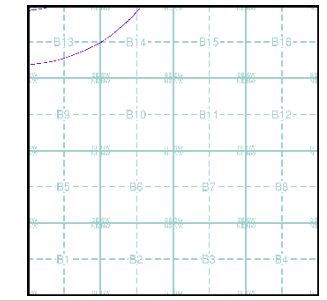
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Bedrock Aquifer Designations

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Bedrock Aquifer Designations - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

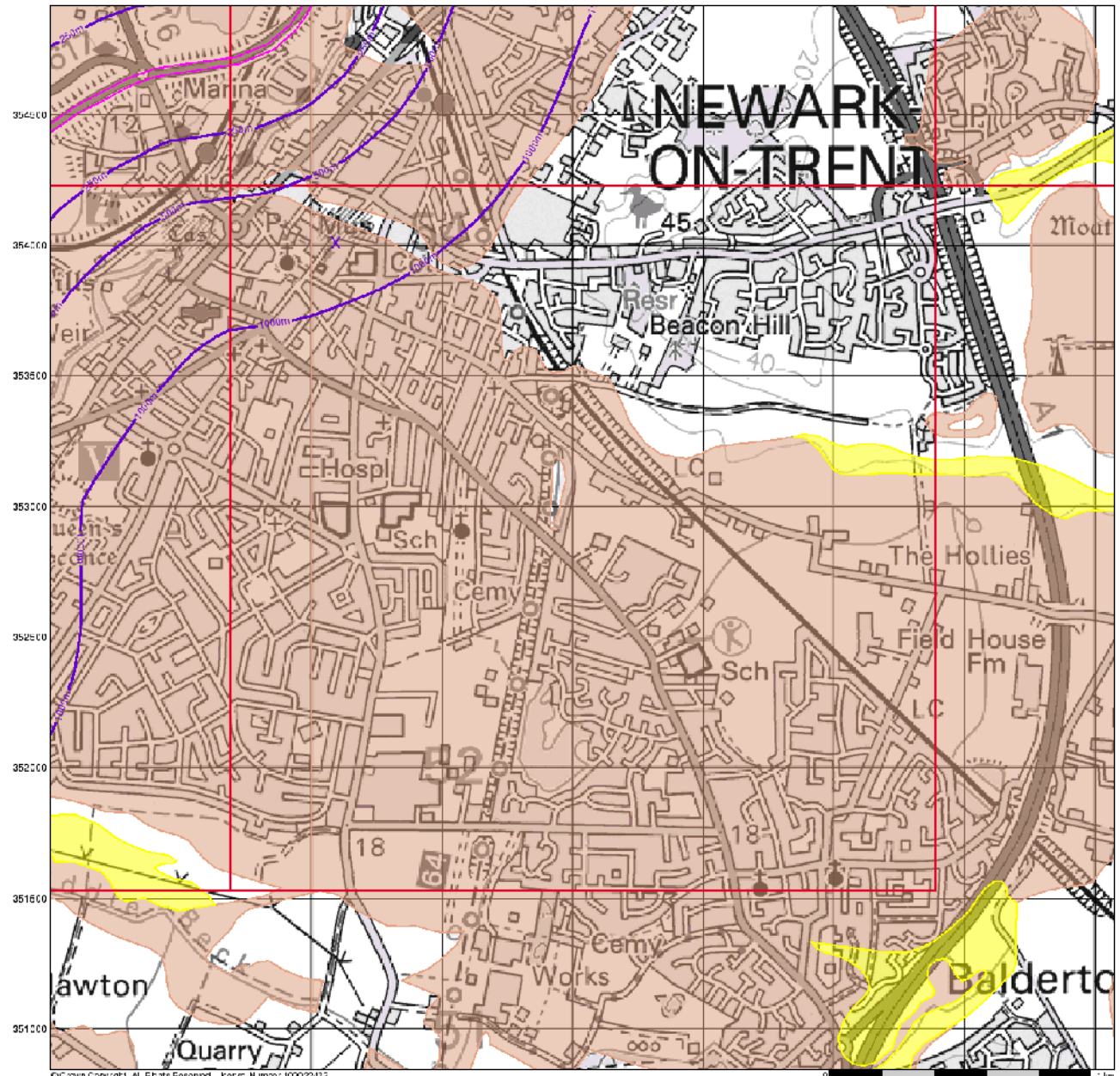
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Water and Hydrology

General

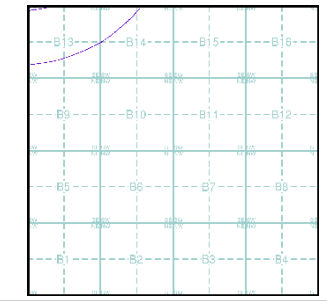
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Superficial Aquifer Designations

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Superficial Aquifer Designations - Slice B



Order Details

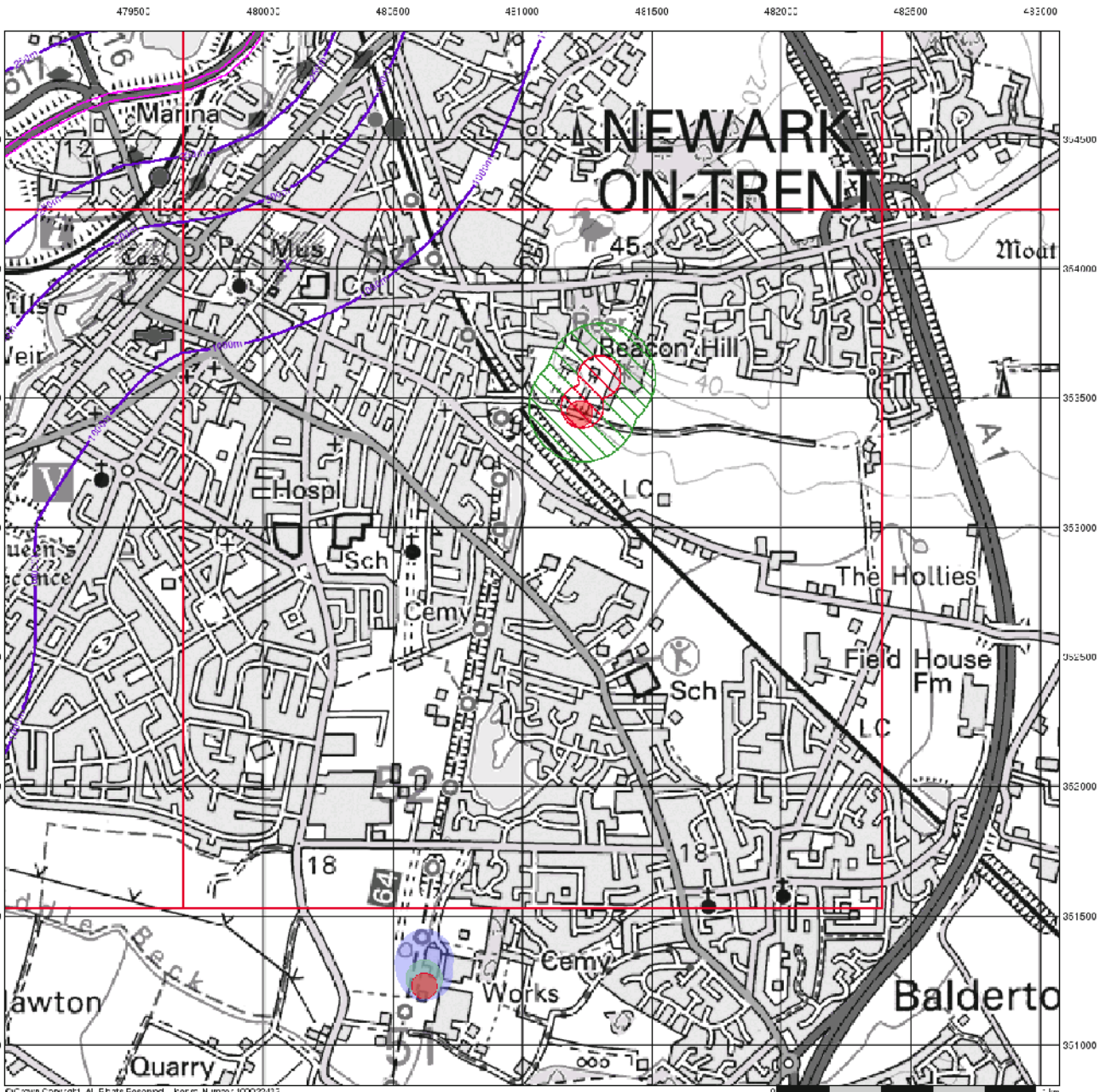
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 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

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Water and Hydrology

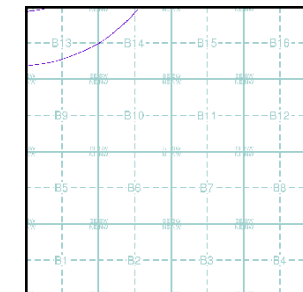
General

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

Source Protection Zones

- 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)

Source Protection Zones - Slice B



Order Details

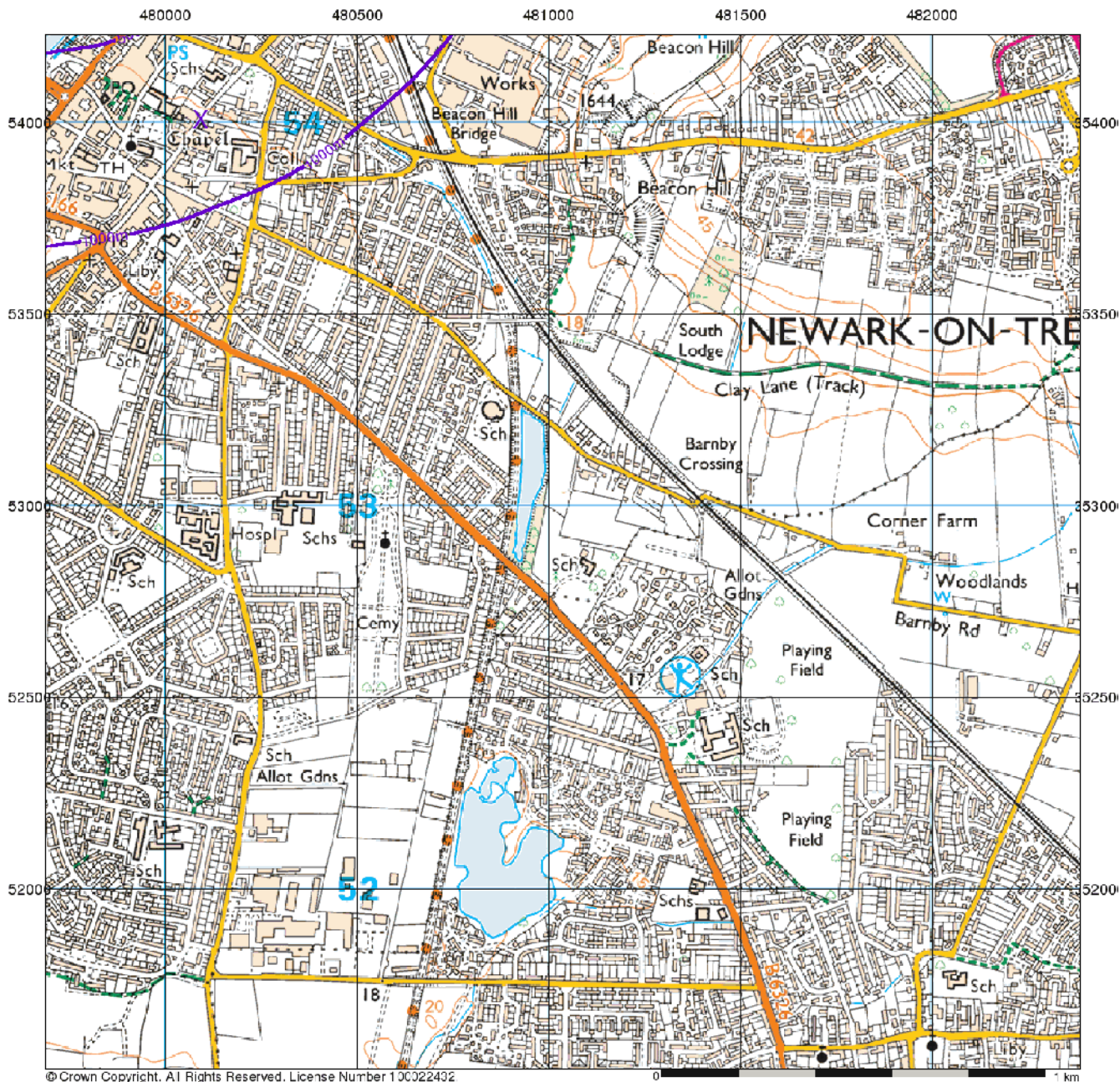
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Site Details

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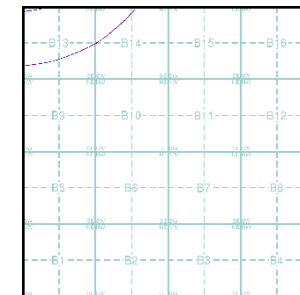
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Site Location

General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Site Location - Slice B



Order Details

Order Number: 172582399_1_1
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OS Explorer Map / 1:25 000 Scale Colour Raster

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Communications

ROADS AND PATHS Not necessarily rights of way

	Service area
	Junction number
	Motorway
	Dual carriageway
	Main road
	Secondary road
	Narrow road with passing places
	Road under construction
	Road generally more than 4 m wide
	Road generally less than 4 m wide
	Other road, drive or track, fenced and unfenced
	Gradient: steeper than 20% (1 in 5); 14% (1 in 7) to 20% (1 in 5)
	Ferry; Ferry P - passenger only
	Path

RAILWAYS

	Multiple track standard gauge
	Narrow gauge or Light rapid transit system (LRTS) and station
	Road over; road under; level crossing
	Cutting; tunnel; embankment
	Station, open to passengers; siding

PUBLIC RIGHTS OF WAY (Rights of way are not shown on maps of Scotland)

	Footpath
	Bridleway
	Byway open to all traffic
	Restricted byway <small>(not for use by mechanically propelled vehicles)</small>

Public rights of way shown on this map have been taken from local authority definitive maps and later amendments.

Rights of way are liable to change and may not be clearly defined on the ground. Please check with the relevant local authority for the latest information

The representation on this map of any other road, track or path is no evidence of the existence of a right of way

OTHER PUBLIC ACCESS

	Other routes with public access (not normally shown in urban areas)
The exact nature of the rights on these routes and the existence of any restrictions may be checked with the local highway authority. Alignments are based on the best information available	
	National Trail / Long Distance Route
	Recreational Route
	Permissive footpath } Footpaths and bridleways along which landowners have permitted public use but which are not rights of way. The agreement may be withdrawn
	Traffic-free cycle route
	National cycle network route number - traffic free
	National cycle network route number - on road

Scotland

In Scotland, everyone has access rights in law* over most land and inland water, provided access is exercised responsibly. **This includes walking, cycling, horse-riding and water access, for recreational and educational purposes, and for crossing land or water.**

Access rights do not apply to motorised activities, hunting, shooting or fishing, nor if your dog is not under proper control. The **Scottish Outdoor Access Code** is the reference point for responsible behaviour, and can be obtained at www.outdooraccess-scotland.com or by phoning your local Scottish Natural Heritage office. * Land Reform (Scotland) Act 2003

	National Trust for Scotland, always open / limited opening - observe local signs
	Forestry Commission Land / Woodland Trust Land

England & Scotland

	Firing and test ranges in the area. Danger! Observe warning notices Champs de tir et d'essai. Danger! Se conformer aux avertissements Schuess und Erprobungsgelände. Gefahr! Warningschilder beachten Visit www.access.mod.uk for information
--	---

ACCESS LAND

England

Portrayal of access land on this map is intended as a guide to land which is normally available for access on foot, for example access land created under the Countryside and Rights of Way Act 2000, and land managed by the National Trust, Forestry Commission and Woodland Trust. Access for other activities may also exist. Some restrictions will apply; some land will be excluded from open access rights. The depiction of rights of access does not imply or express any warranty as to its accuracy or completeness. Observe local signs and follow the Countryside Code. Visit www.countrysideaccess.gov.uk for up-to-date information

	Access land boundary and tint
	Access land in woodland area
	Access information point
	Access permitted within managed controls for example, local byelaws Visit www.access.mod.uk for information

General Information

VEGETATION

Limits of vegetation are defined by positioning of symbols

	Coniferous trees		Scrub		Orchard
	Non-coniferous trees		Bracken, heath or rough grassland		
	Coppice		Marsh, reeds or saltings		

GENERAL FEATURES

+	Place of worship		Gravel pit		Sand pit
Current or former place of worship	with tower		Other pit or quarry		Landfill site or slag/spoil heap
	with spire, minaret or dome	BP/BS	Boundary post/stone		
	Building; important building	CG	Cattle grid		
	Glasshouse	CH	Clubhouse		
	Youth hostel	FB	Footbridge		
	Bunkhouse/camping barn/other hostel	MP; MS	Milepost; milestone		
	Bus or coach station	Mon	Monument		
	Lighthouse; disused lighthouse; beacon	PO	Post office		
	Triangulation pillar; mast	Pol Sta	Police station		
	Windmill, with or without sails	Sch	School		
	Wind pump; wind turbine	TH	Town hall		
	Electricity transmission line	NTL	Normal tidal limit		
	Slopes	-W; Spr	Well; spring		

BOUNDARIES

	National
	County (England)
	Unitary Authority (UA), Metropolitan District (Met Dist), London Borough (LB) or District (Scotland & Wales are solely Unitary Authorities)
	Civil Parish (CP) (England) or Community (C) (Wales)
	National Park boundary

HEIGHTS AND NATURAL FEATURES

52	Ground survey height	Surface heights are to the nearest metre above mean sea level. Where two heights are shown, the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill
284	Air survey height	
	Vertical face/cliff	
	Contours may be at 5 or 10 metres vertical interval	
	Loose rock	
	Boulders	
	Outcrop	
	Scree	
	Water	
	Mud	
	Sand; sand & shingle	

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

+	Site of antiquity	VILLA	Roman
1066	Site of battle (with date)	Castle	Non-Roman
	Visible earthwork		

Information provided by English Heritage for England and the Royal Commissions on the Ancient and Historical Monuments for Scotland and Wales

Selected Tourist and Leisure Information

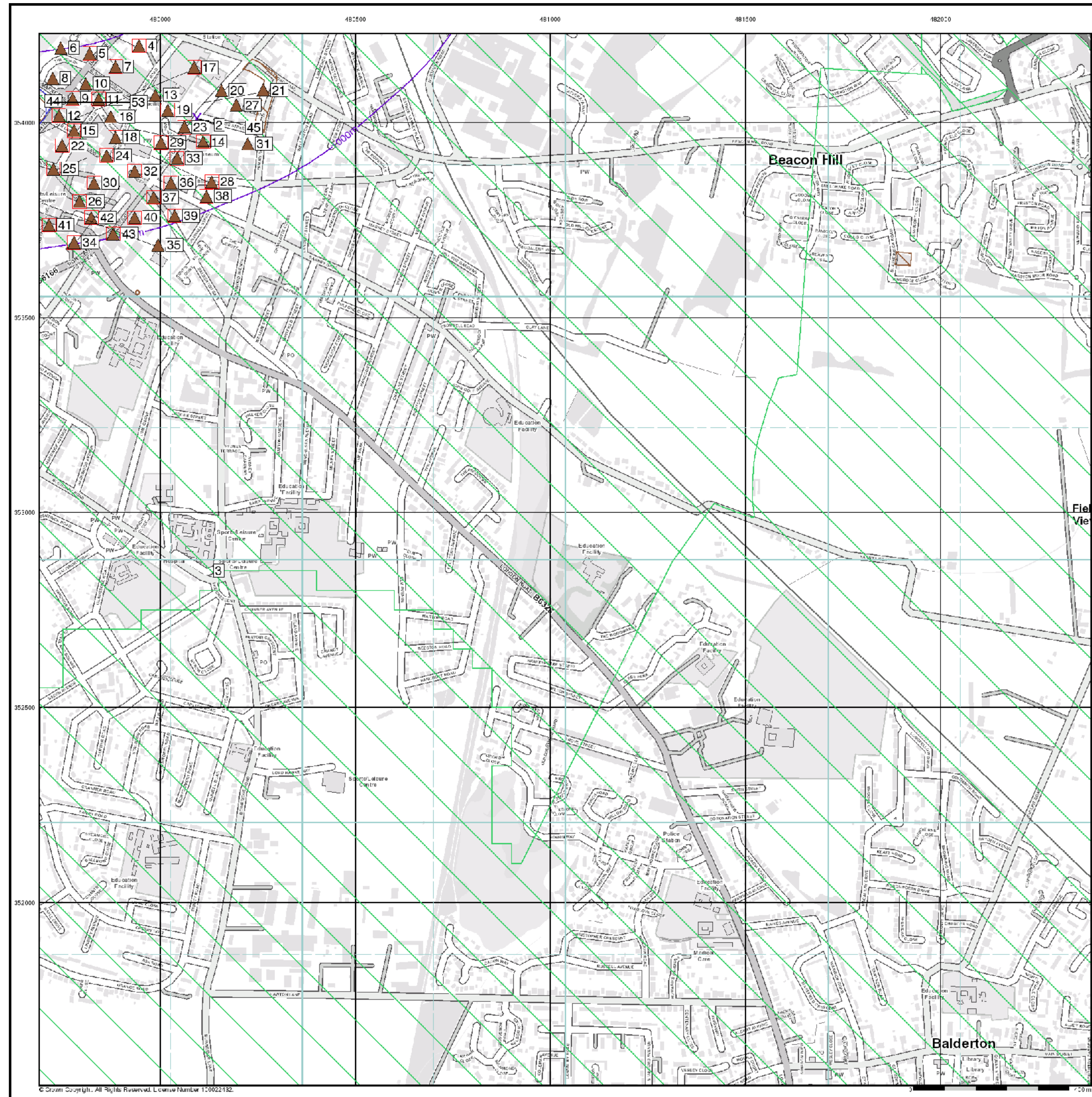
RENSEIGNEMENTS TOURISME ET LOISIRS SÉLECTIONNÉS

AUSGEWÄHLTE INFORMATIONEN ZU TOURISTIK UND FREIZEITGESTALTUNG

	Parking / Park & Ride, all year/seasonal Parking / Parking et navette, ouvert toute l'année/en saison Parkplatz / Park & Ride, ganzjährig/saisonal
	Information centre, all year/seasonal Office de tourisme, ouvert toute l'année/en saison Informationsbüro, ganzjährig/saisonal
	Visitor centre Centre pour visiteurs Besucherzentrum
	Forestry Commission visitor centre Commission Forestière: Centre de visiteurs Staatsforst Besucherzentrum
	Public convenience Toilettes Öffentliche Toilette
	Telephone, public/roadside assistance/emergency Téléphone, public/borne d'appel d'urgence/urgence Telefon, öffentlich/Notrufsäule/Notruf
	Camp site/caravan site Terrain de camping/Terrain pour caravanes Campingplatz/Wohnwagenplatz
	Recreation/leisure/sports centre Centre de détente/loisirs/sports Erholungs-/Freizeit-/Sportzentrum
	Golf course or links Terrain de golf Golfplatz
	Theme/pleasure park Parc à thèmes/Parc d'agrément Vergnügungs-/Freizeitpark
	Preserved railway Chemin de fer touristique Museumseisenbahn
	Public house/s Pub/s Gaststätte/n
	Craft centre Centre artisanal Zentrum für Kunsthandwerk

	Walks/trails Promenades Wanderwege
	Cycle trail Piste cyclable Radfahrweg
	Mountain bike trail Chemin pour VTT Mountainbike-Strecke
	Cycle hire Location de vélos Fahrradverleih
	Horse riding Equitation Reitstall
	Viewpoint Point de vue Aussichtspunkt
	Picnic site Emplacement de pique-nique Picknickplatz
	Country park Parc naturel Landschaftspark
	Garden/arboretum Jardin/Arboretum Garten/Baumgarten
	Water activities Jeux aquatiques Wassersport
	Slipway Cale Helling
	Boat trips Croisières en bateau Bootsfahrten
	Boat hire Location de bateau Bootsverleih

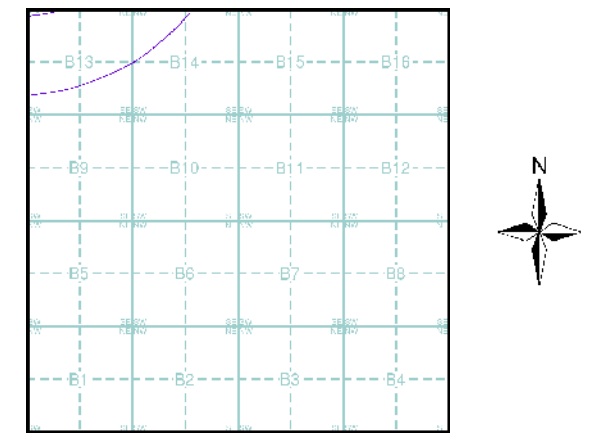
	Nature reserve Réserve naturelle Naturschutzgebiet
	Fishing Pêche Angeln
	Other tourist feature Autre site intéressant Sonstige Sehenswürdigkeit
	Cathedral/Abbey Cathédrale/Abbaye Kathedrale/Abtei
	Museum Musée Museum
	Castle/fort Château/Fortification Burg/Festung
	Building of historic interest Bâtiment d'intérêt historique Historisches Gebäude
	Heritage centre Centre d'héritage Heimatmuseum
	National Trust
	English Heritage
	Historic Scotland



Site Sensitivity

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Ecology**
- Ancient Woodland
 - Area of Adopted Green Belt
 - Area of Unadopted Green Belt
 - Area of Outstanding Natural Beauty
 - Country Parks
 - 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
- Heritage**
- Historic Battlefields
 - Scheduled Monuments
 - Listed Buildings
 - World Heritage Sites
- Visual and Landscape**
- Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG

Water and Hydrology

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

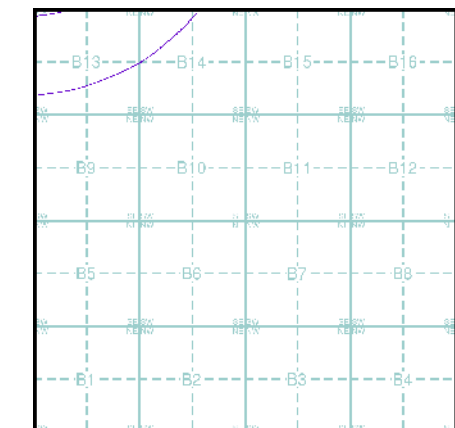
Flood

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour 100
- Spot Height 167.8
- MLW - Mean Low Water
- MHW - Mean High Water

Flood - Slice B

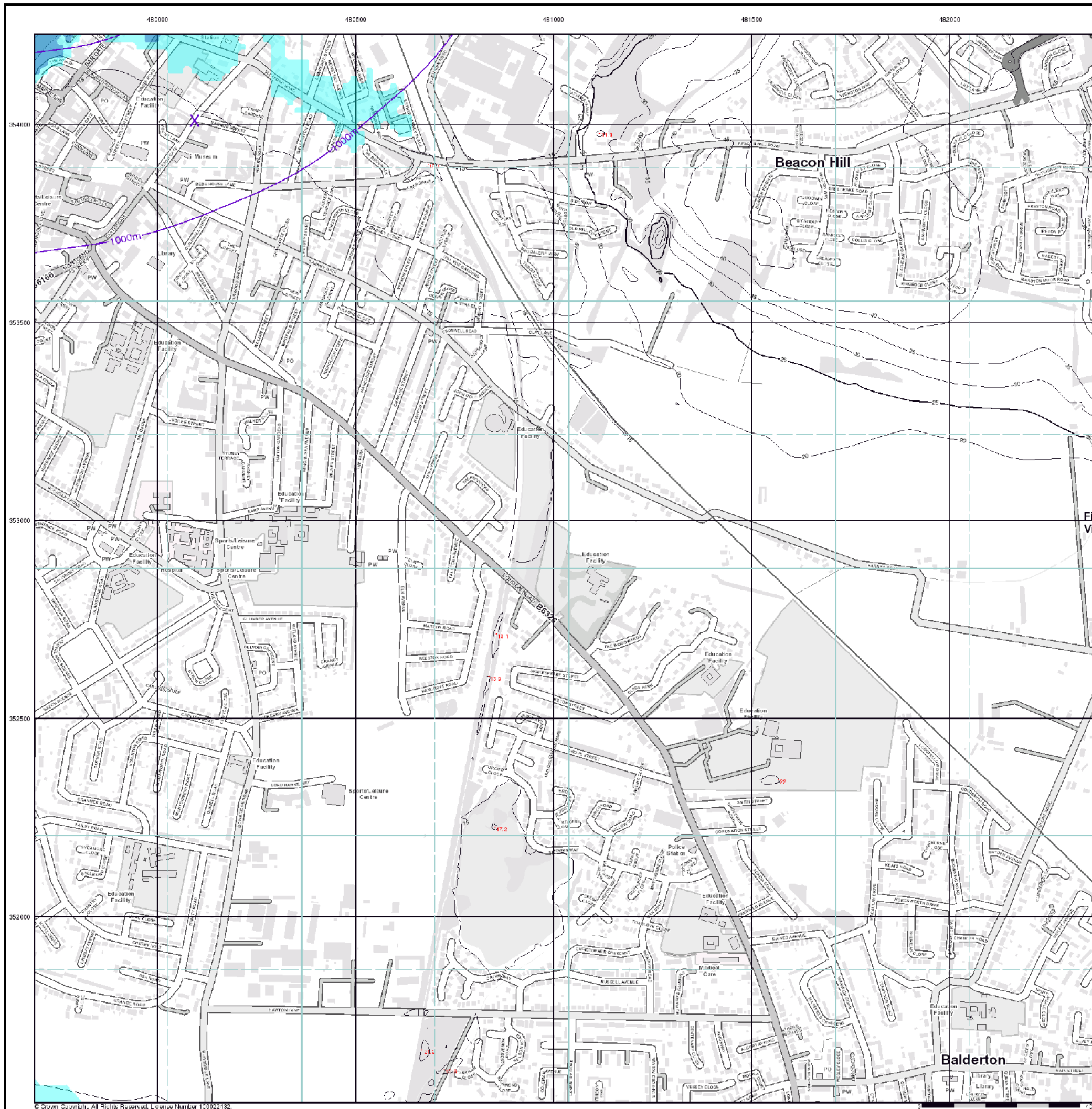


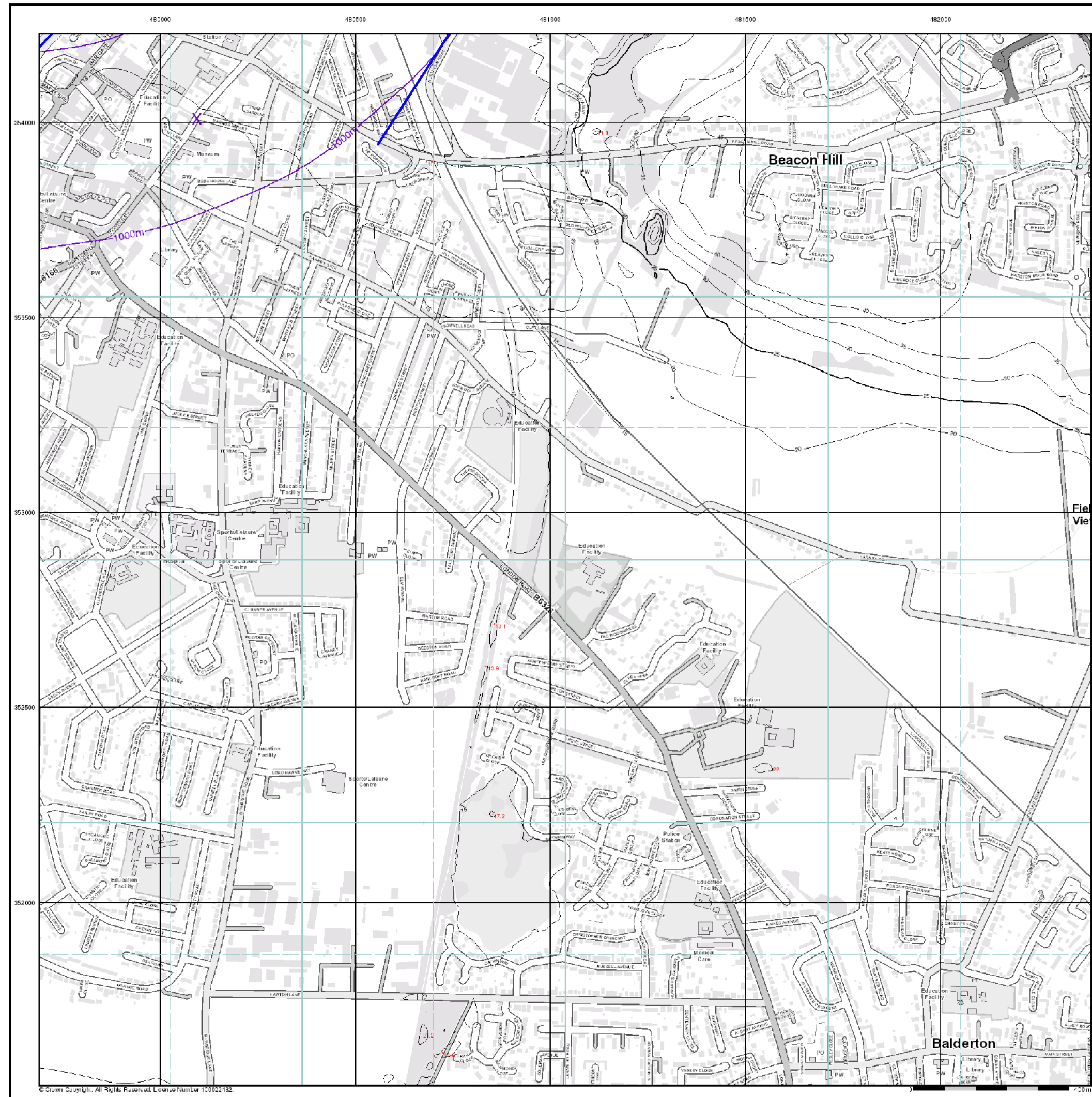
Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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Water And Hydrology

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

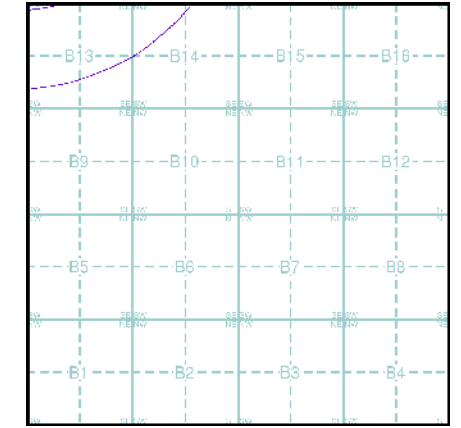
OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

Contours (height in meters)

- Standard Contour 105
- Master Contour 100
- Spot Height 167.3
- MLW Mean Low Water
 - MHW Mean High Water

OS Water Network - Slice B

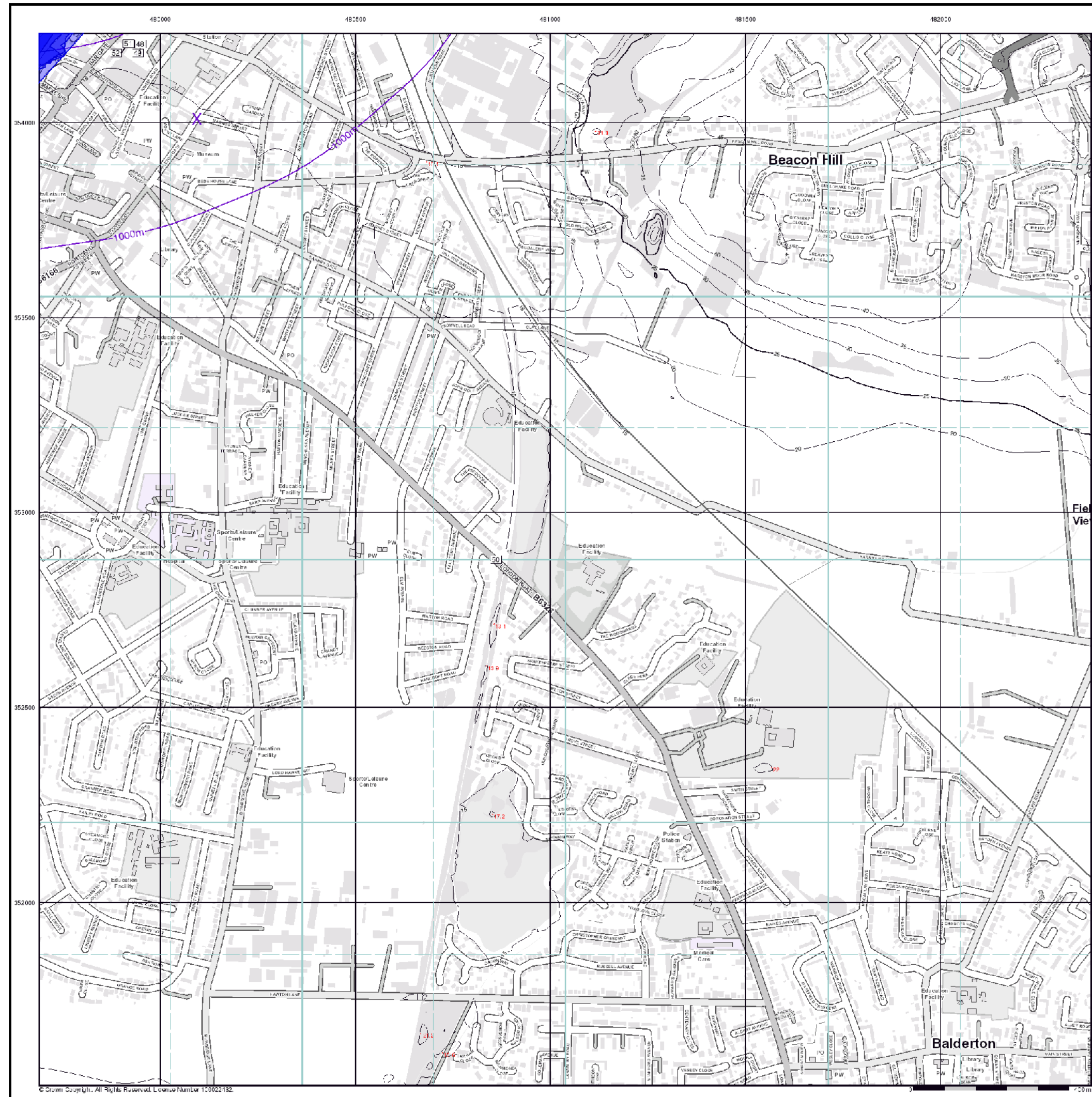


Order Details

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 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG



Water and Hydrology

General

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

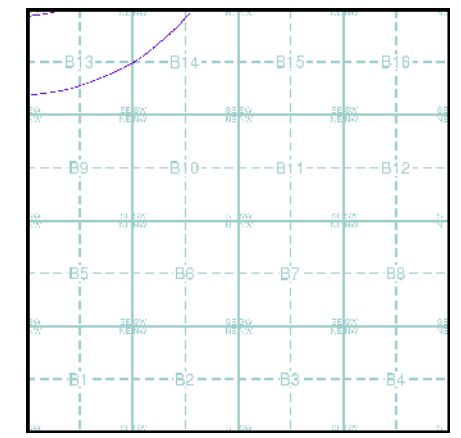
Historic Flood

- | | |
|--|---------------------------------------|
| Channel Capacity Exceeded (no raised defences) | Obstruction/Blockage - Culvert |
| Channel Capacity Exceeded /Surface Water | Obstruction/Blockage - Debris Screen |
| Groundwater/High Water Table | Operational Failure/Breach of Defence |
| Local Drainage/Surface Water | Other |
| Mechanical Failure | Overtopping of Defences |
| Obstruction/Blockage - Bridge | Surface Water |
| Obstruction/Blockage - Channel | Unknown |
| Historical Flood Liabilities | |

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.8
- MLW - Mean Low Water
- MHW - Mean High Water

Historic Flood - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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482000 482500 483000 483500 484000

Aerial Photo

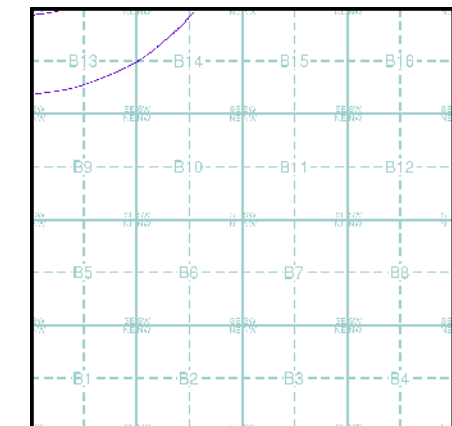
General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Published Date(s):
2015



Aerial Photo - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

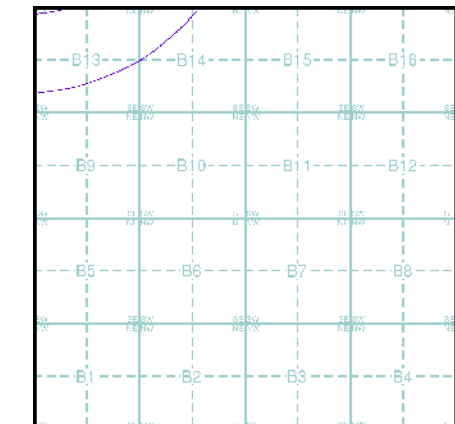
A46, Newark, NG24 2PG

Site Location

General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Site Location - Slice B

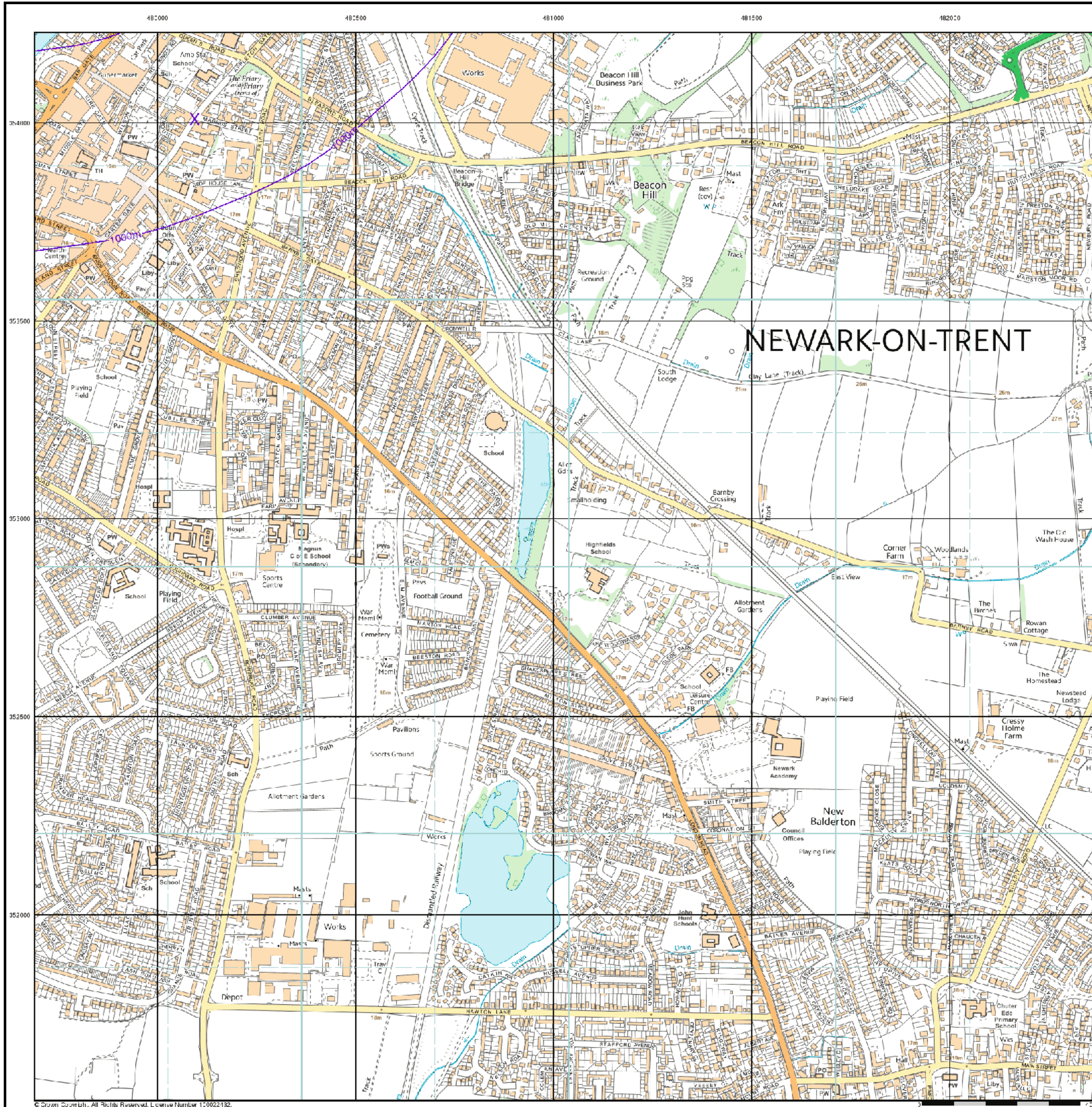


Order Details

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 Customer Ref: 5162675 sub no 255
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 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

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OS VectorMap® Local

Colour Raster version

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COMMUNICATIONS (TRANSPORT)

Depicted roads are not necessarily rights of way

	Motorway
	Primary road
	Main road ('A' road)
	Secondary road ('B' road)
	Minor road
	Local street
	Private road with public access
	Pedestrianised street
	Multiple track railway
	Single track railway or siding
	Narrow gauge railway
	Road or rail tunnel







SETTLEMENT

	Building		Important building
	Glasshouse		
	Overhead building line		

VEGETATION

	Broad-leaved woodland		Coniferous woodland
	Mixed woodland		Orchard
	Shrub		Unimproved grass
	Heathland		Marsh
	Reeds		

WATER FEATURES

	Water (surface or tidal)
	Water
	Mean high water
	Mean low water
	Direction of flow arrows
	Water point features (for example Wells, Springs)

HEIGHT









Surface heights are in metres above mean sea level

 57m Height

LANDFORMS

	Ornament		
	Inland rock		
	Boulders		
	Shingle		
	Cliff		Sand
	Large slopes		Sand pit
	Standard slopes		
	Mud		
	Gravel pit		
	Refuse tip or slag heap		

POINT & LINE FEATURES



	General line detail
	Overhead detail
	Telephone line
	Electricity transmission line
	Pylon
	Triangulation station
	Point features (for example Shafts, Posts)
	Site of antiquity


COMMON ABBREVIATIONS

CG.....	Cattle grid
Chy.....	Chimney
Coll.....	College
Ct.....	Court
El Sub Sta.....	Electricity sub station
FB.....	Footbridge
Fl Sk.....	Flare stack
Fn.....	Fountain
FS.....	Flagstaff
GP.....	Guide post
LC.....	Level crossing
Liby.....	Library
Meml.....	Memorial
MHW(s).....	Mean high water (springs)
MLW(s).....	Mean low water (springs)
Mon.....	Monument
MP, MS.....	Mile post or stone
NTL.....	Normal tidal water
P, Ps.....	Post(s) or pole(s)
PH.....	Public House
PO.....	Post office
Pol Sta.....	Police Station
PW.....	Place of worship
Sch.....	School
Spr.....	Spring
Sta.....	Station
Tk.....	Tank or track
W.....	Well







Geology 1:50,000 Maps Legends

Artificial Ground and Landslip











Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
		Faults		

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	HPSG	Holme Pierrepont Sand and Gravel Member	Sand and Gravel	Not Supplied - Pleistocene
	BDTN	Balderton Sand and Gravel Member	Sand and Gravel	Not Supplied - Pleistocene
	EMSG	Eagle Moor Sand and Gravel Member	Sand and Gravel	Not Supplied - Pleistocene
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BNBM	Barnby Member	Mudstone	Not Supplied - Hettangian
	PNG	Penarth Group	Mudstone	Not Supplied - Rhaetian
	BNT	Barnstone Member	Mudstone and Limestone, Interbedded	Not Supplied - Rhaetian
	WBY	Westbury Formation	Mudstone	Not Supplied - Rhaetian
	CTM	Cotham Member	Mudstone	Not Supplied - Rhaetian
	BCMU	Branscombe Mudstone Formation	Mudstone	Not Supplied - Norian
	BAN	Blue Anchor Formation	Mudstone	Not Supplied - Norian
	EDW	Edwalton Member	Mudstone	Not Supplied - Carnian
	GUN	Gunthorpe Member	Mudstone	Not Supplied - Anisian
	MMG	Mercia Mudstone Group	Mudstone	Not Supplied - Early Triassic

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Geology 1:50,000 Maps

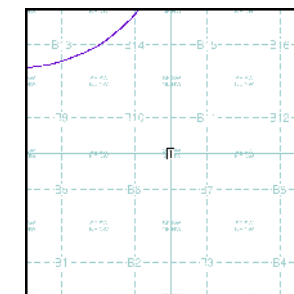
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	126
Map Name:	Nottingham
Map Date:	1996
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice B



Order Details:

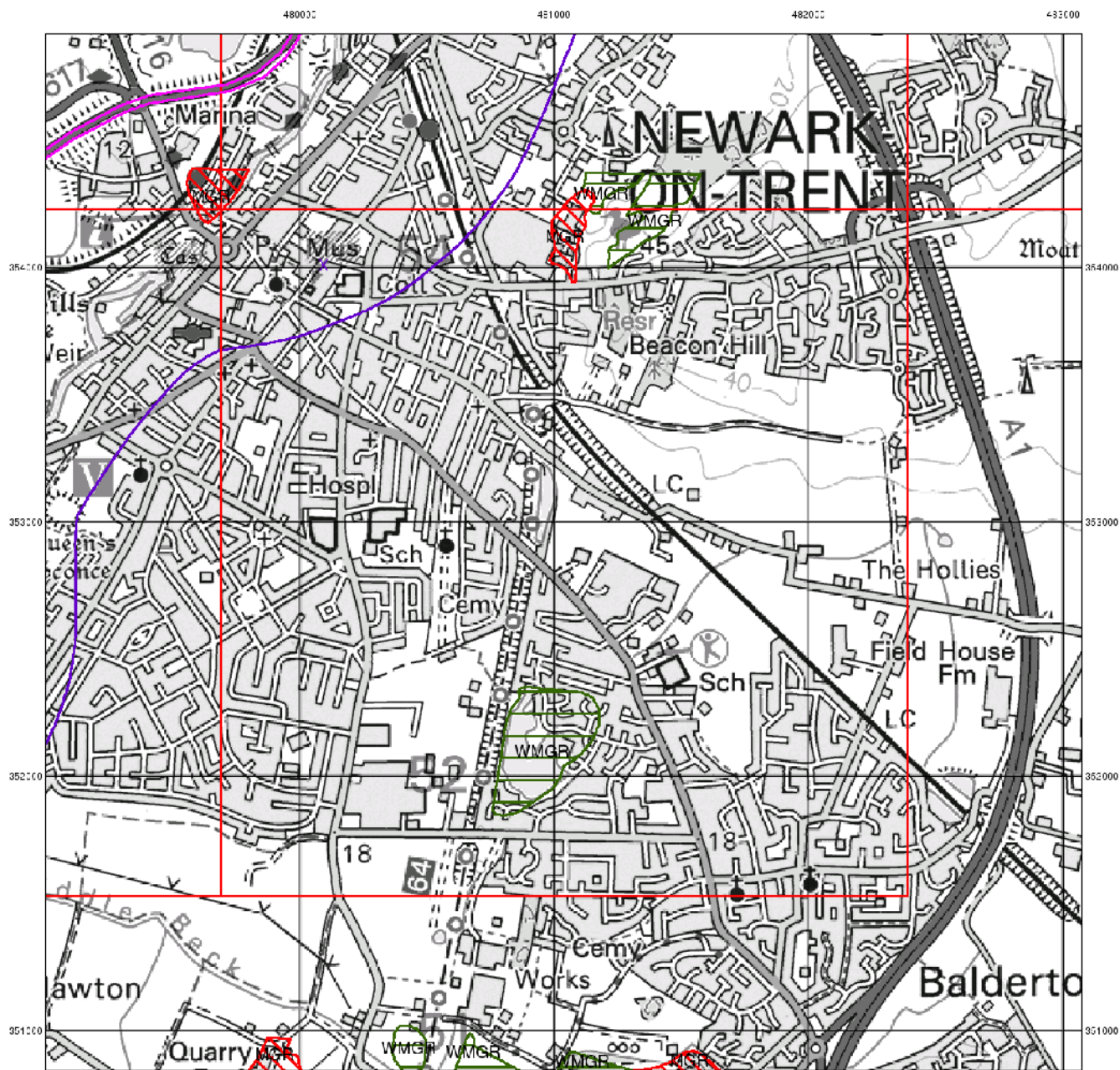
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Customer Reference:	5162675 sub no 255
National Grid Reference:	480090, 354010
Slice:	B
Site Area (Ha):	21.45
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

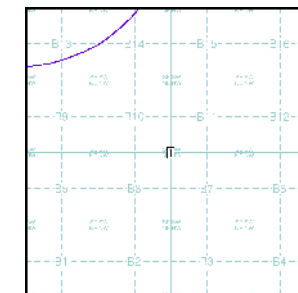
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice B



Order Details:

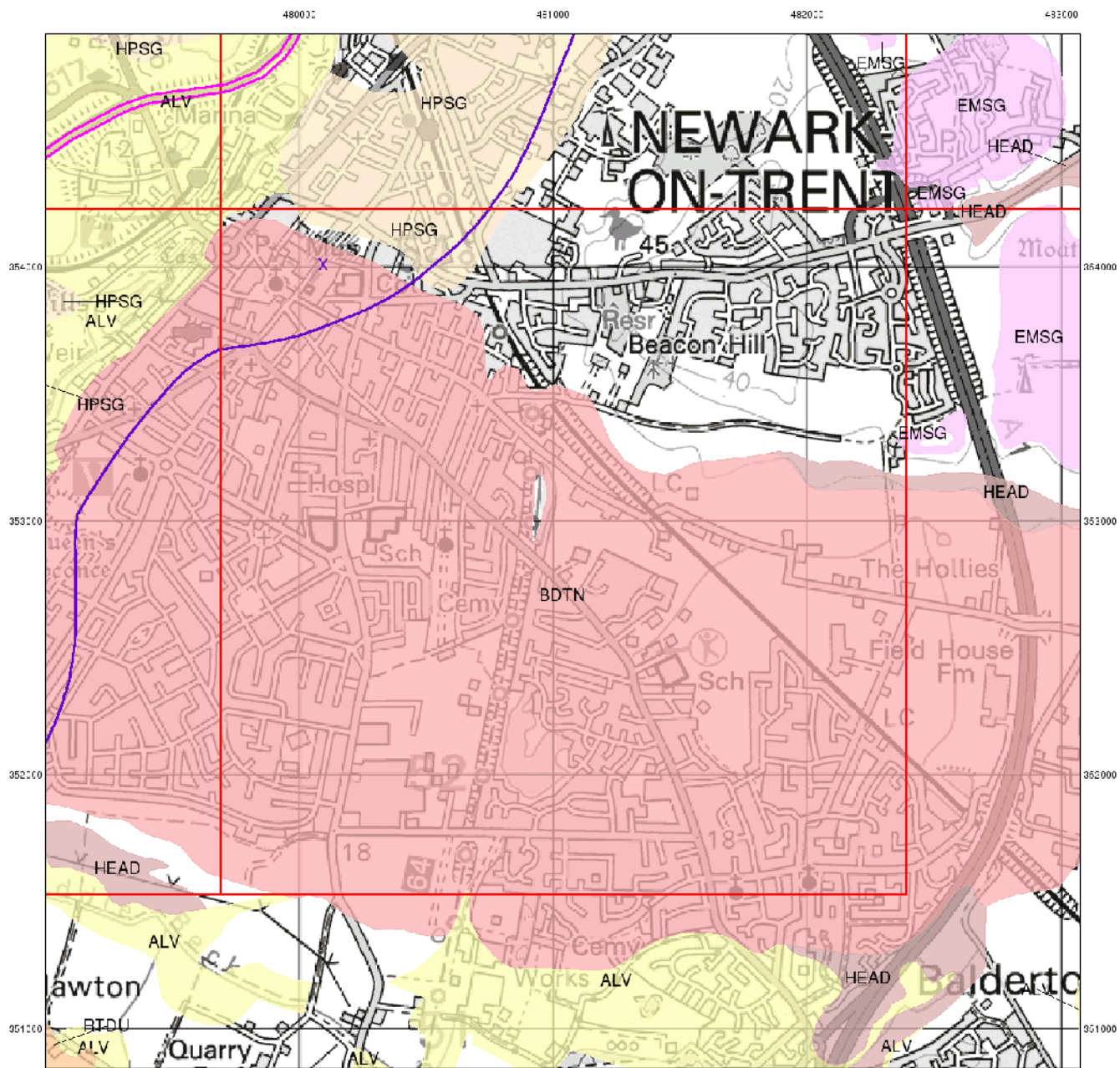
Order Number:	172582399_1_1
Customer Reference:	5162675 sub no 255
National Grid Reference:	480090, 354010
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Site Area (Ha):	21.45
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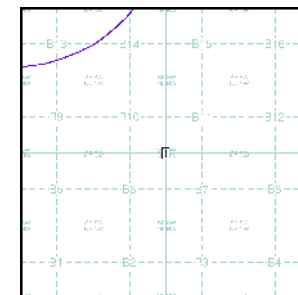
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice B



Order Details:

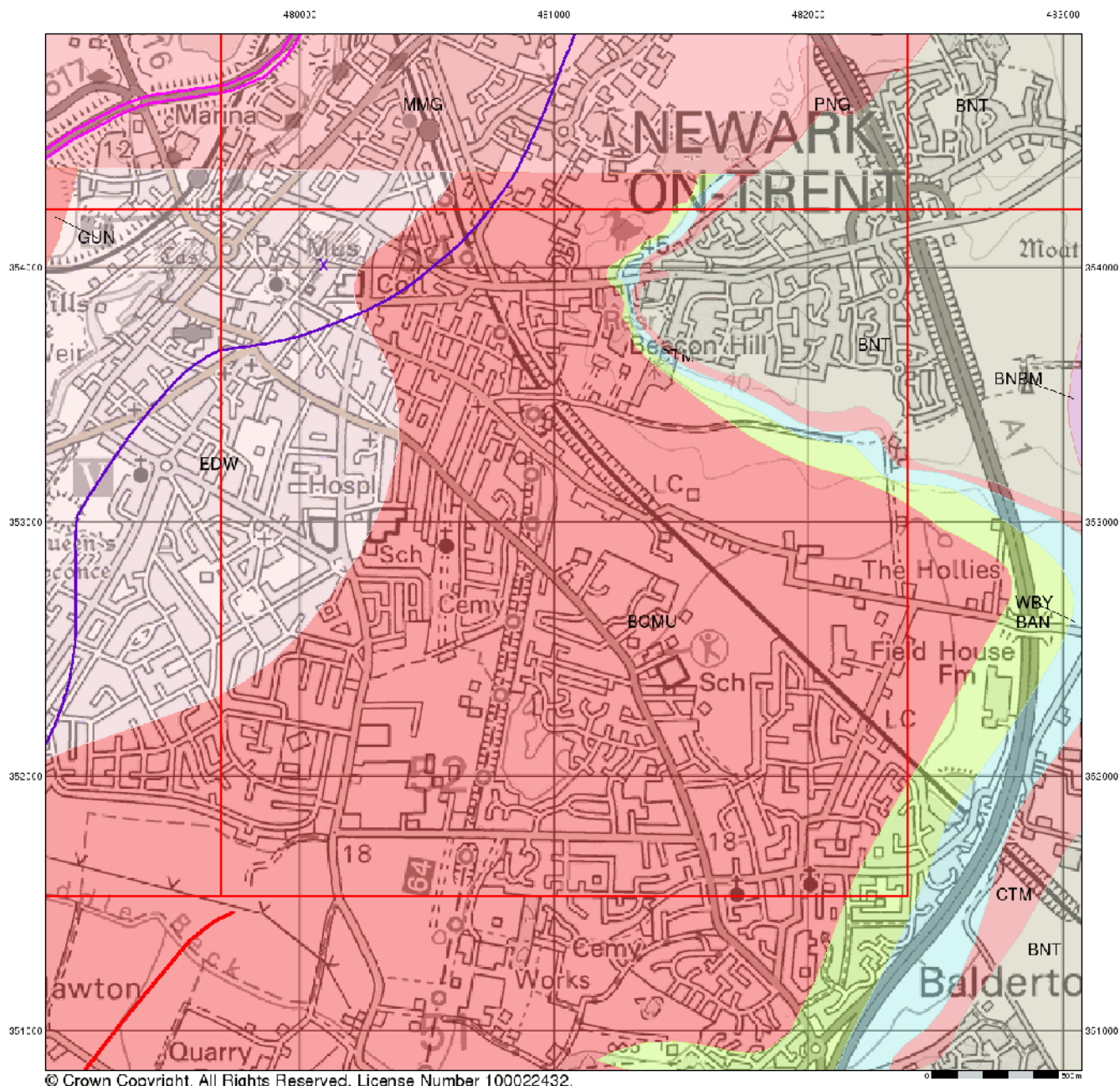
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Bedrock and Faults

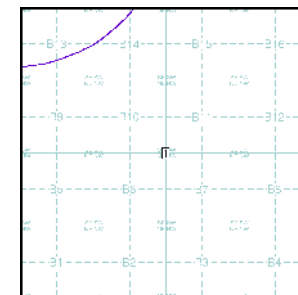
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice B



Order Details:

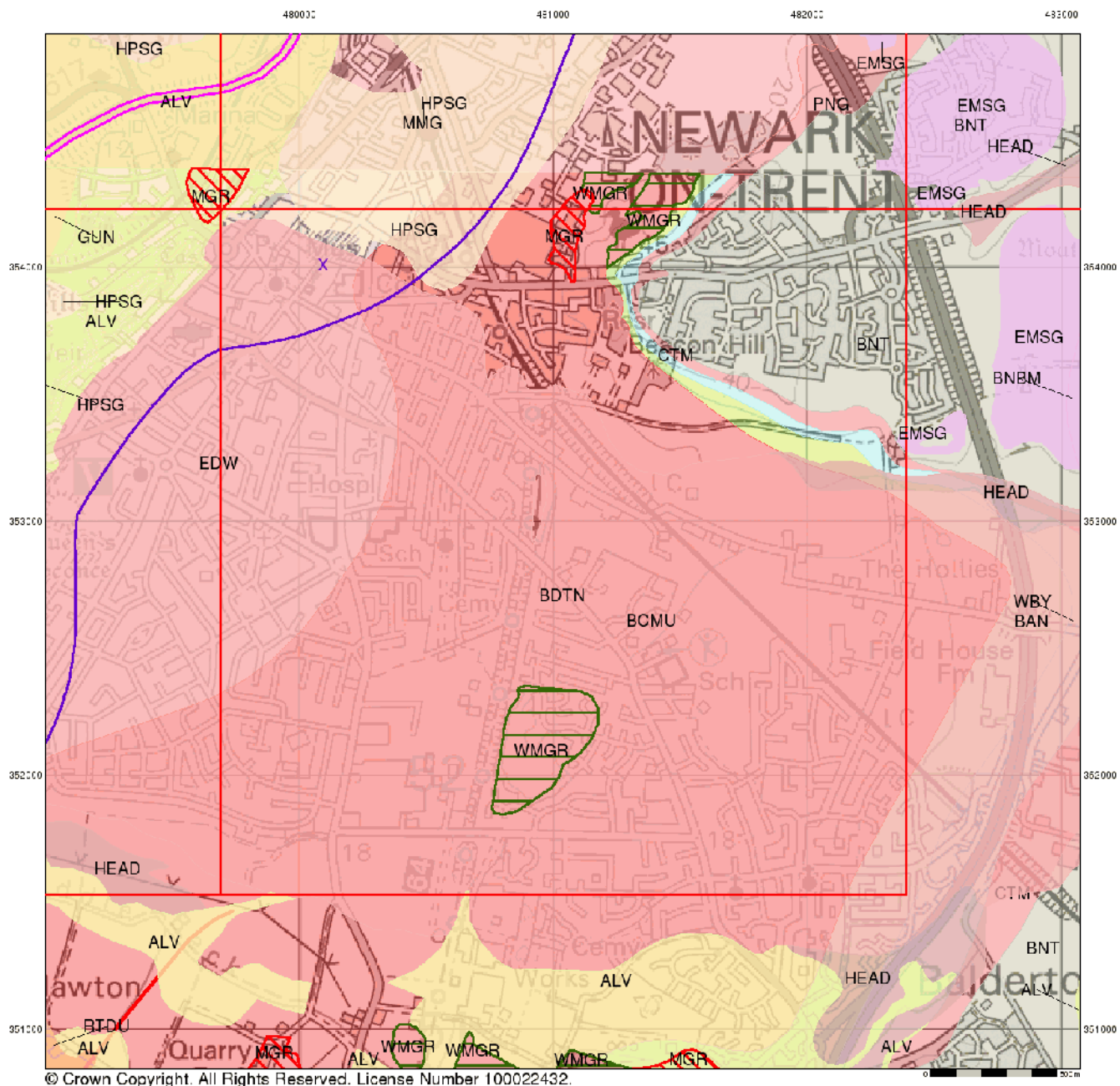
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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

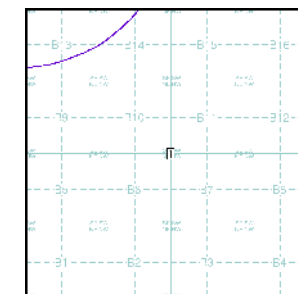
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
 Kingsley Dunham Centre
 Keyworth
 Nottingham
 NG12 5GG
 Telephone: 0115 936 3143
 Fax: 0115 936 3276
 email: enquiries@bgs.ac.uk
 website: www.bgs.ac.uk

Combined Geology Map - Slice B



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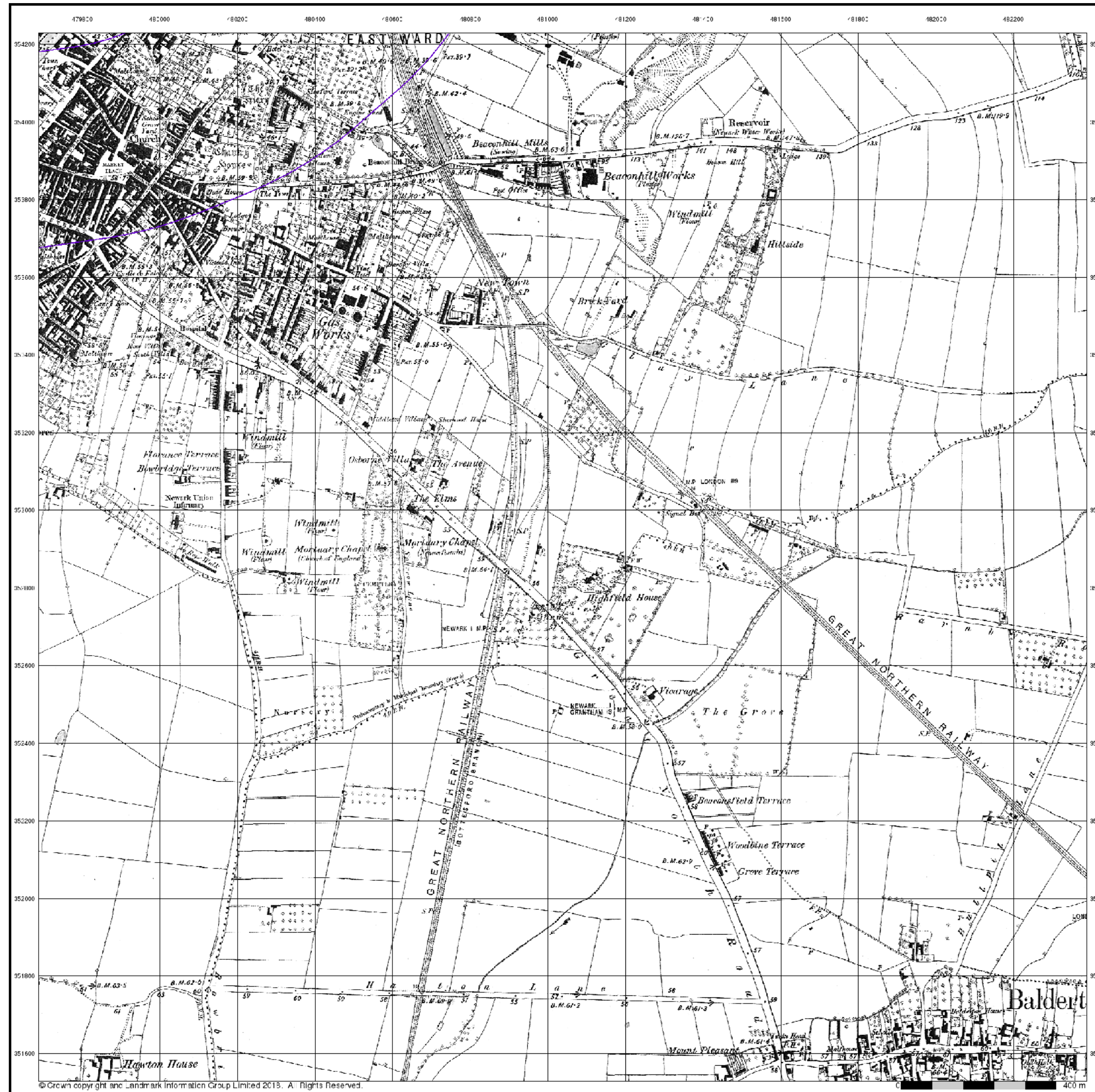
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Nottinghamshire

Published 1884

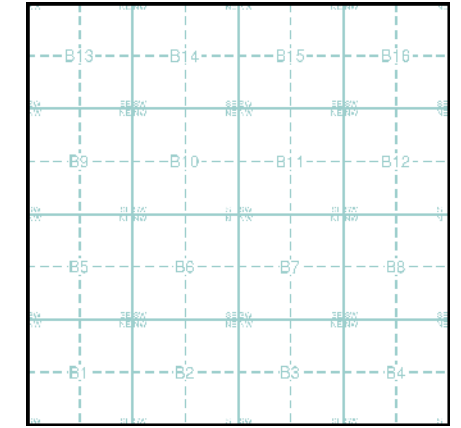
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

035NE
1884
1:10,560

Historical Map - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
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Site Details

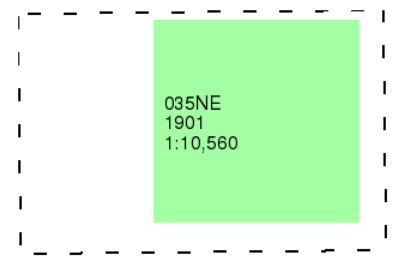
A46, Newark, NG24 2PG



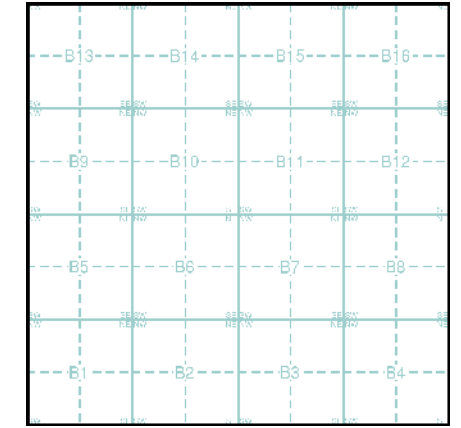
Nottinghamshire
Published 1901
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

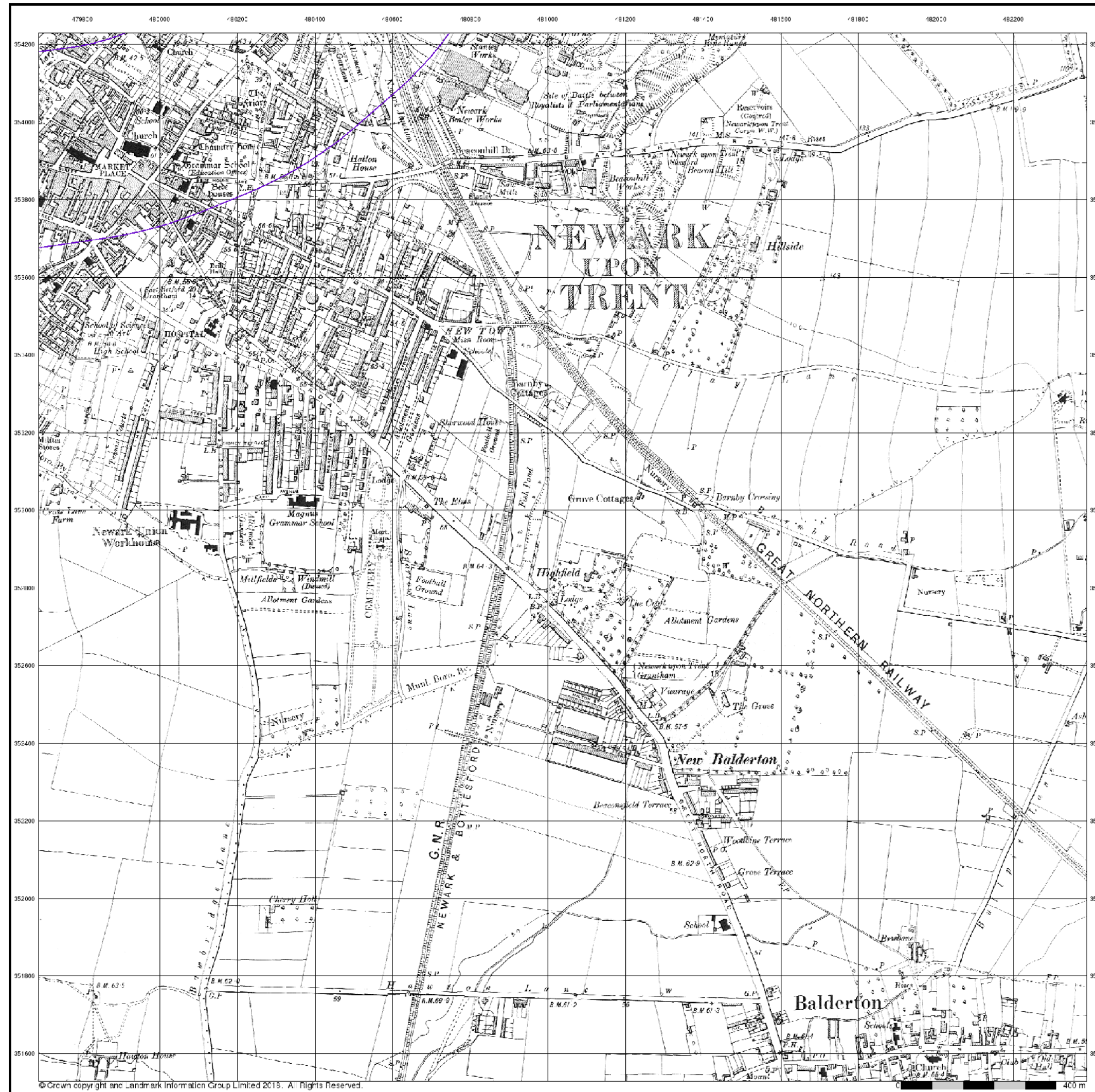


Historical Map - Slice B



Order Details
 Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details
 A46, Newark, NG24 2PG



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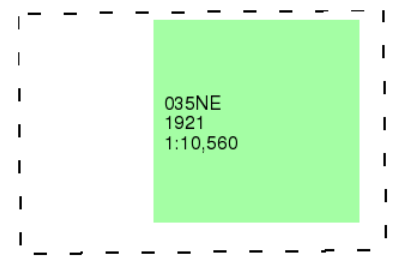
Nottinghamshire

Published 1921

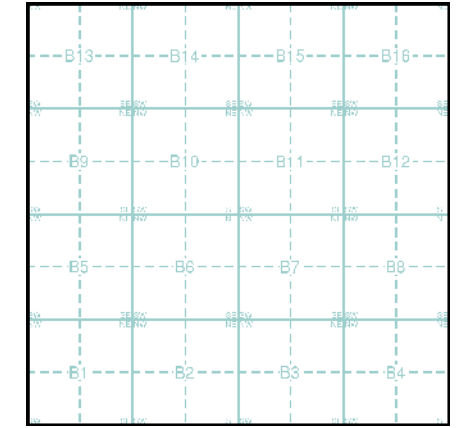
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

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Site Details

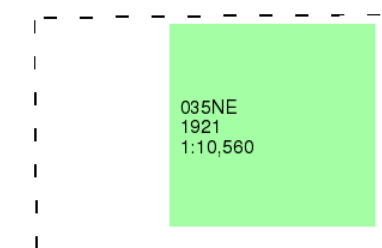
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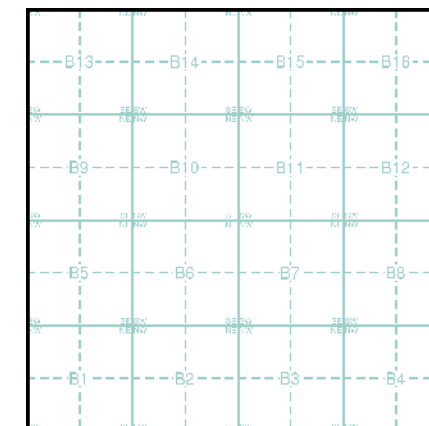
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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Map Name(s) and Date(s)



Historical Map - Slice B

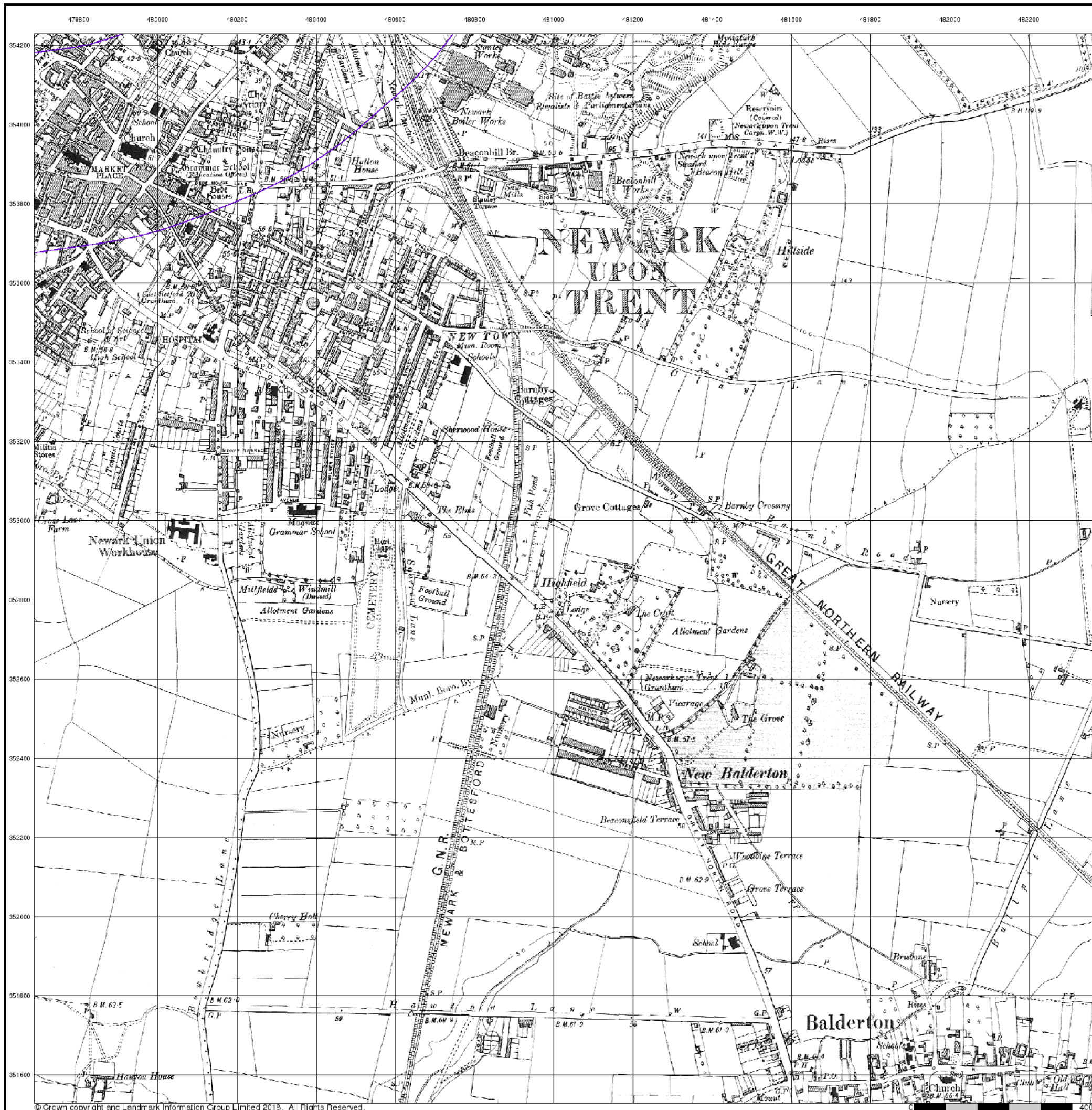


Order Details

Order Number: 172582399_1_1
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Site Details

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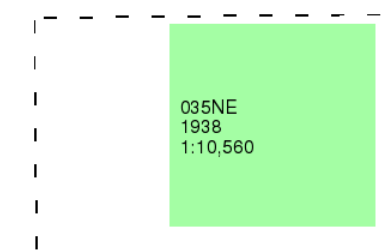
Nottinghamshire

Published 1938

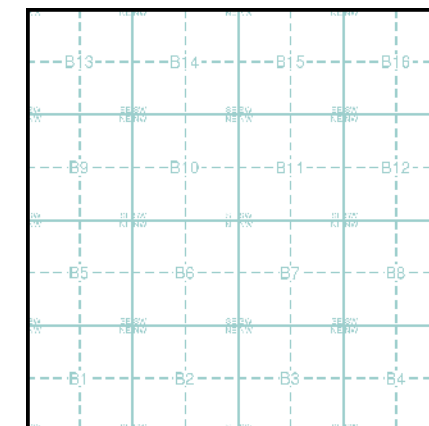
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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Historical Map - Slice B



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Site Details

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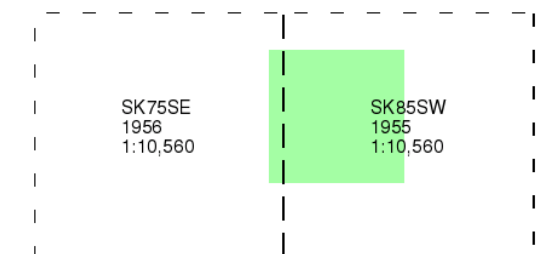
Ordnance Survey Plan

Published 1955 - 1956

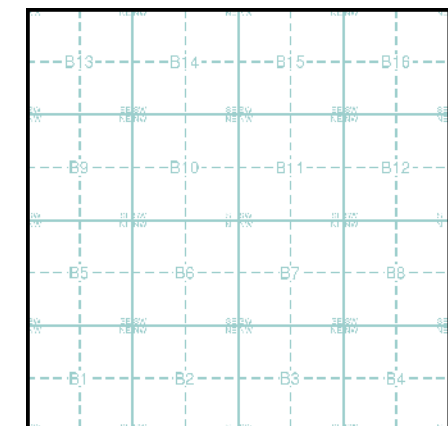
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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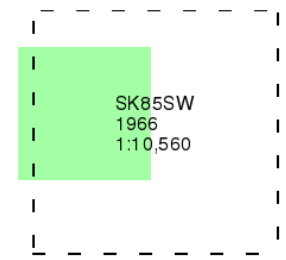
Ordnance Survey Plan

Published 1966

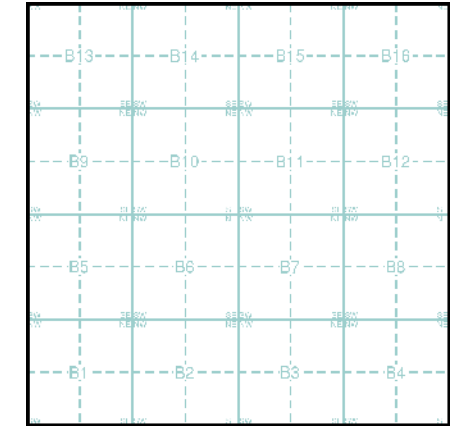
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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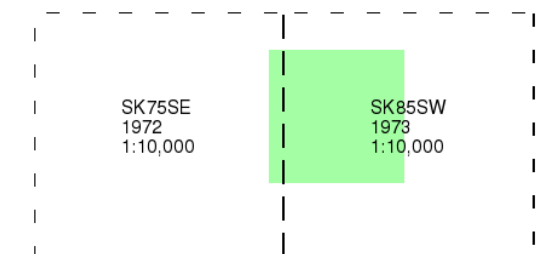
Ordnance Survey Plan

Published 1972 - 1973

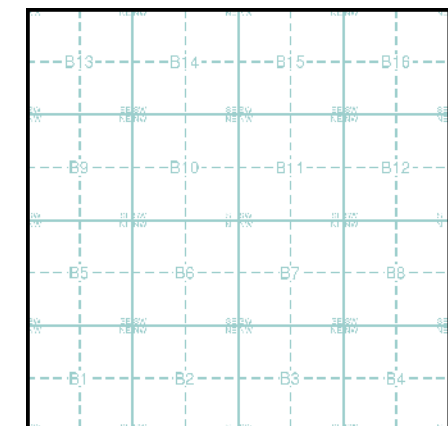
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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Historical Map - Slice B

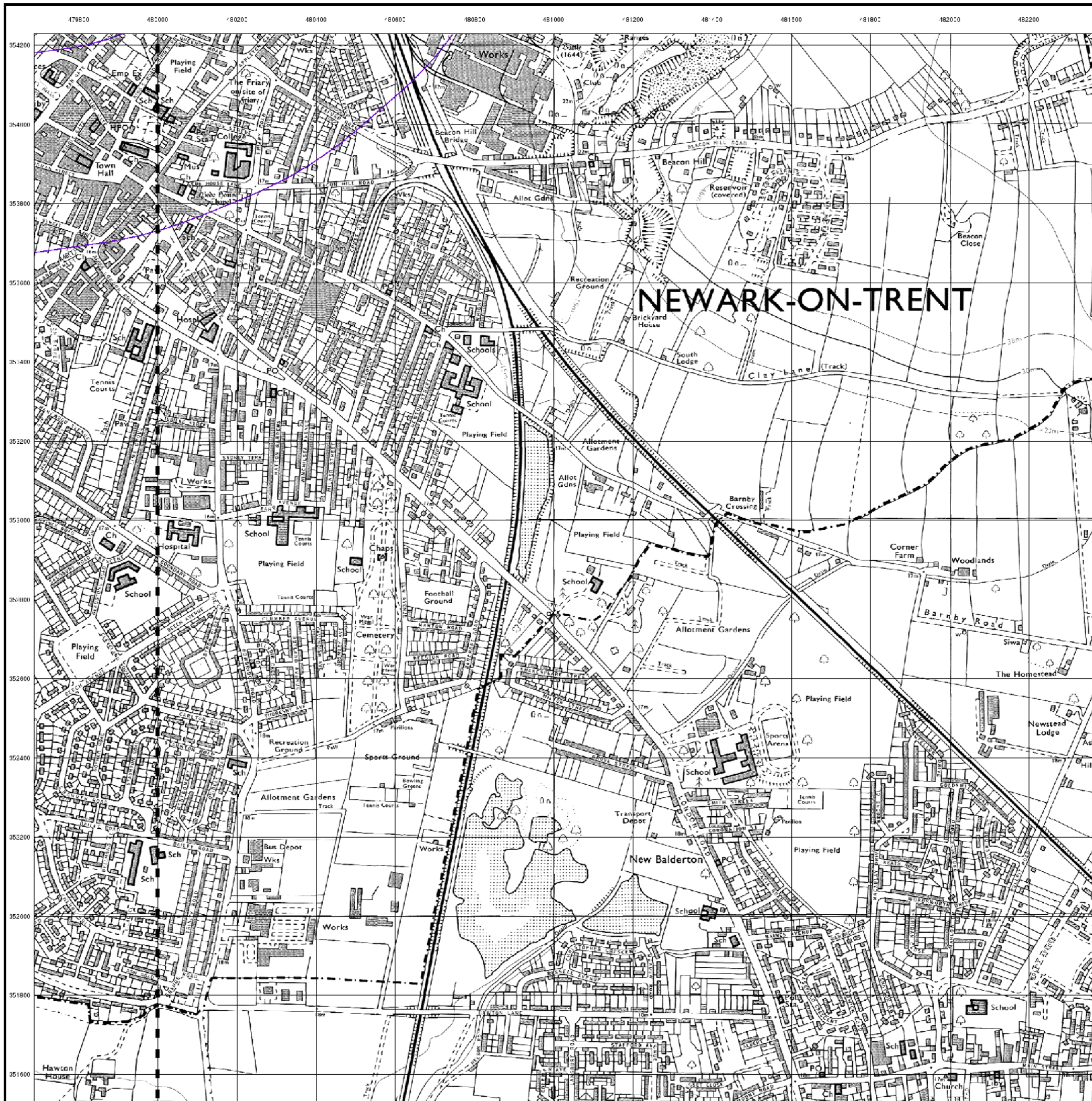


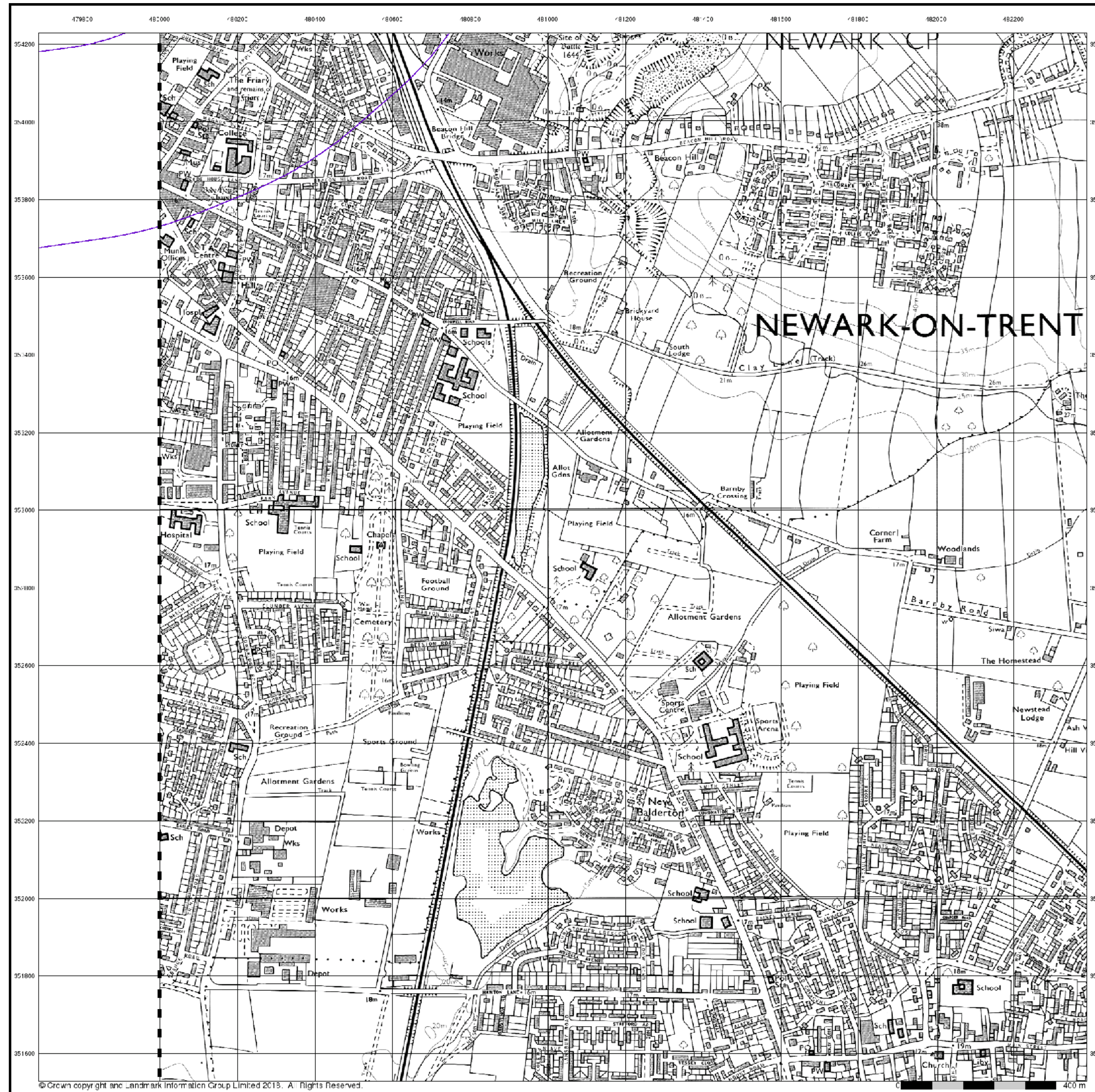
Order Details

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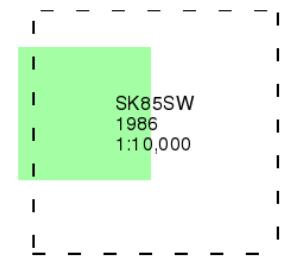
Ordnance Survey Plan

Published 1986

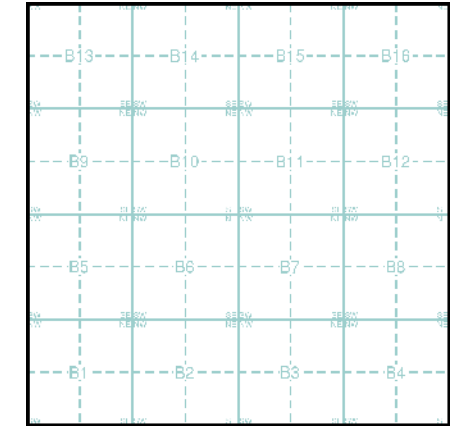
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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Site Details

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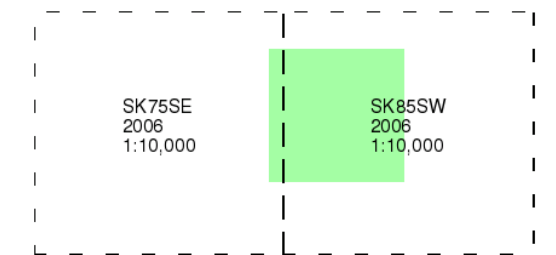
10k Raster Mapping

Published 2006

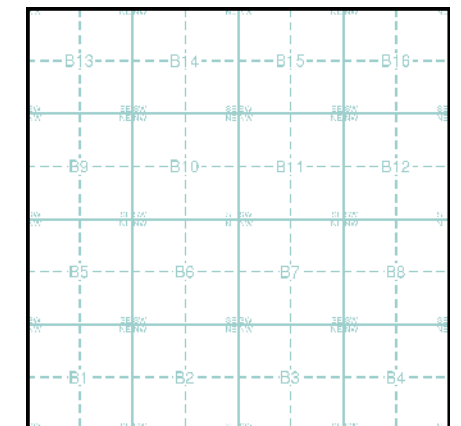
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice B

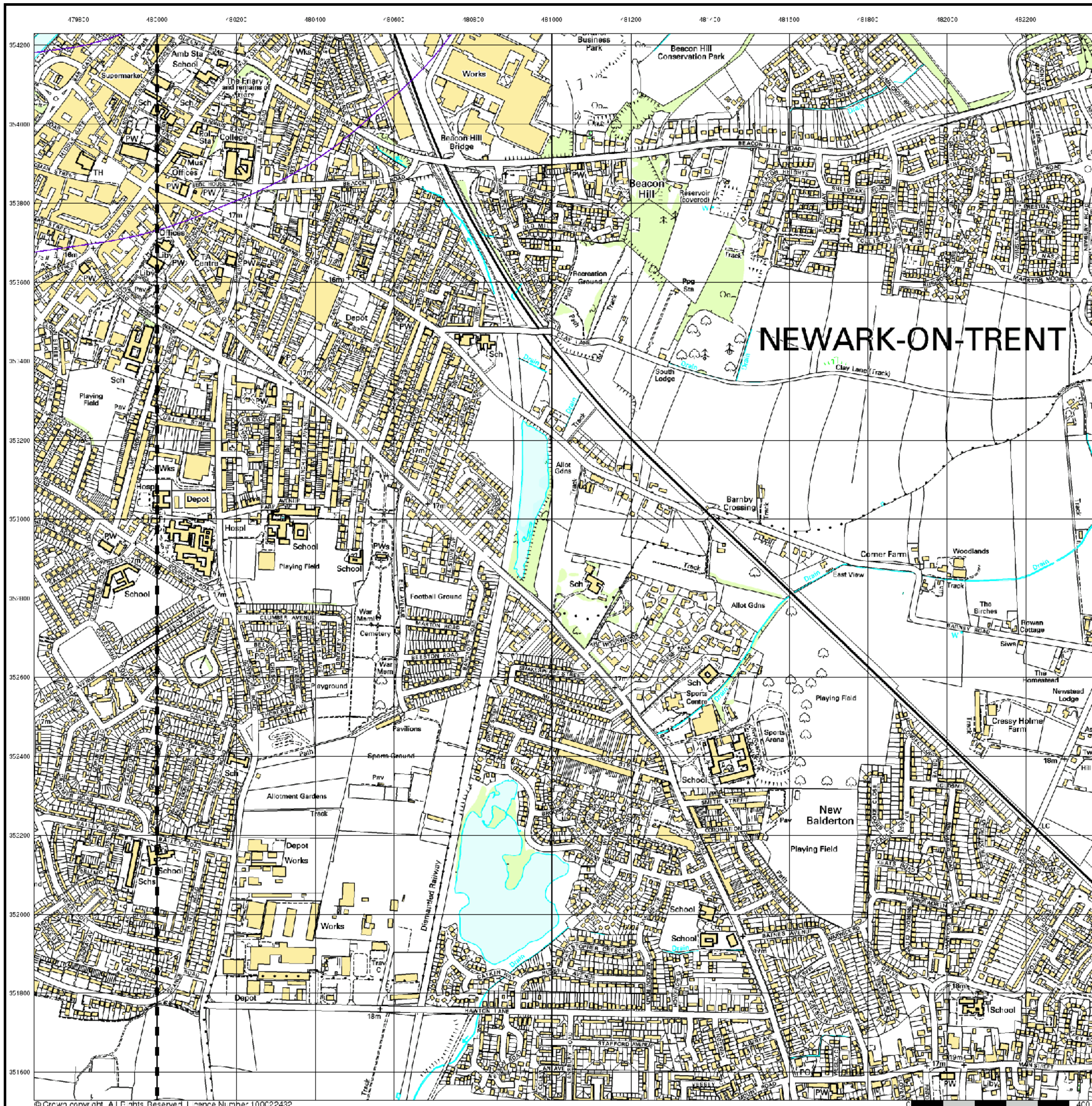


Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
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 Slice: B
 Site Area (Ha): 21.45
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Site Details

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VectorMap Local

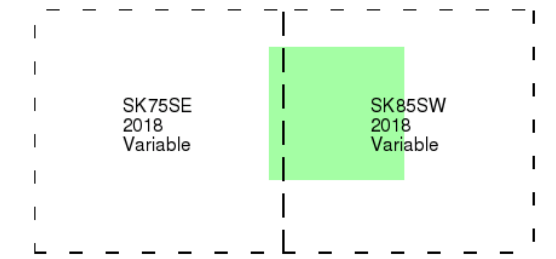
Published 2018

Source map scale - 1:10,000

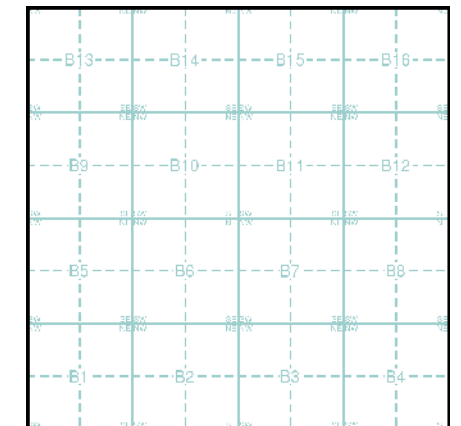
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

NEWARK-ON-TRENT

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

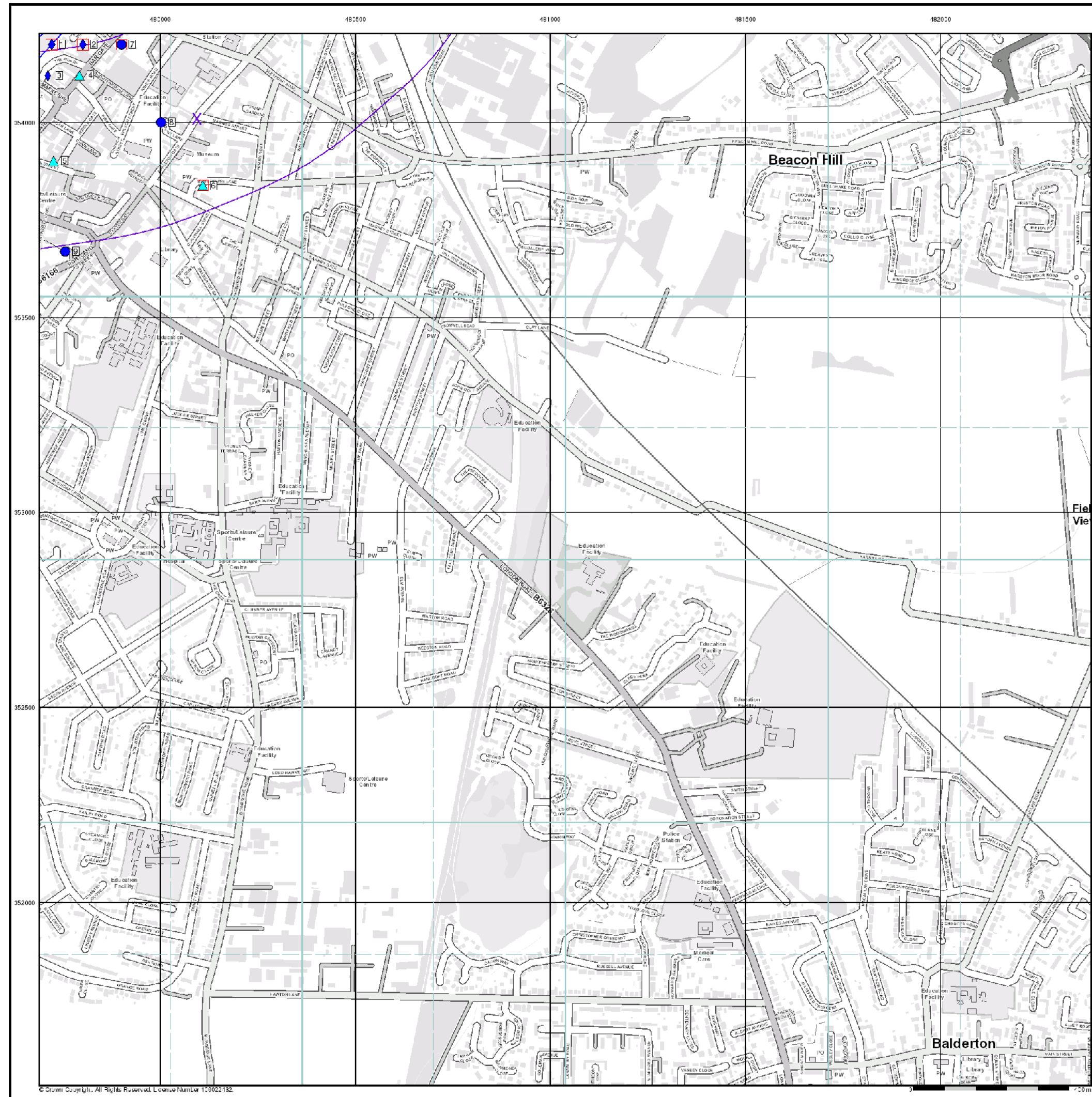
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Site Details

A46, Newark, NG24 2PG

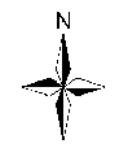
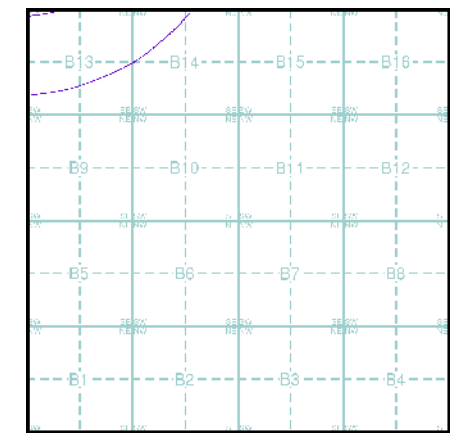
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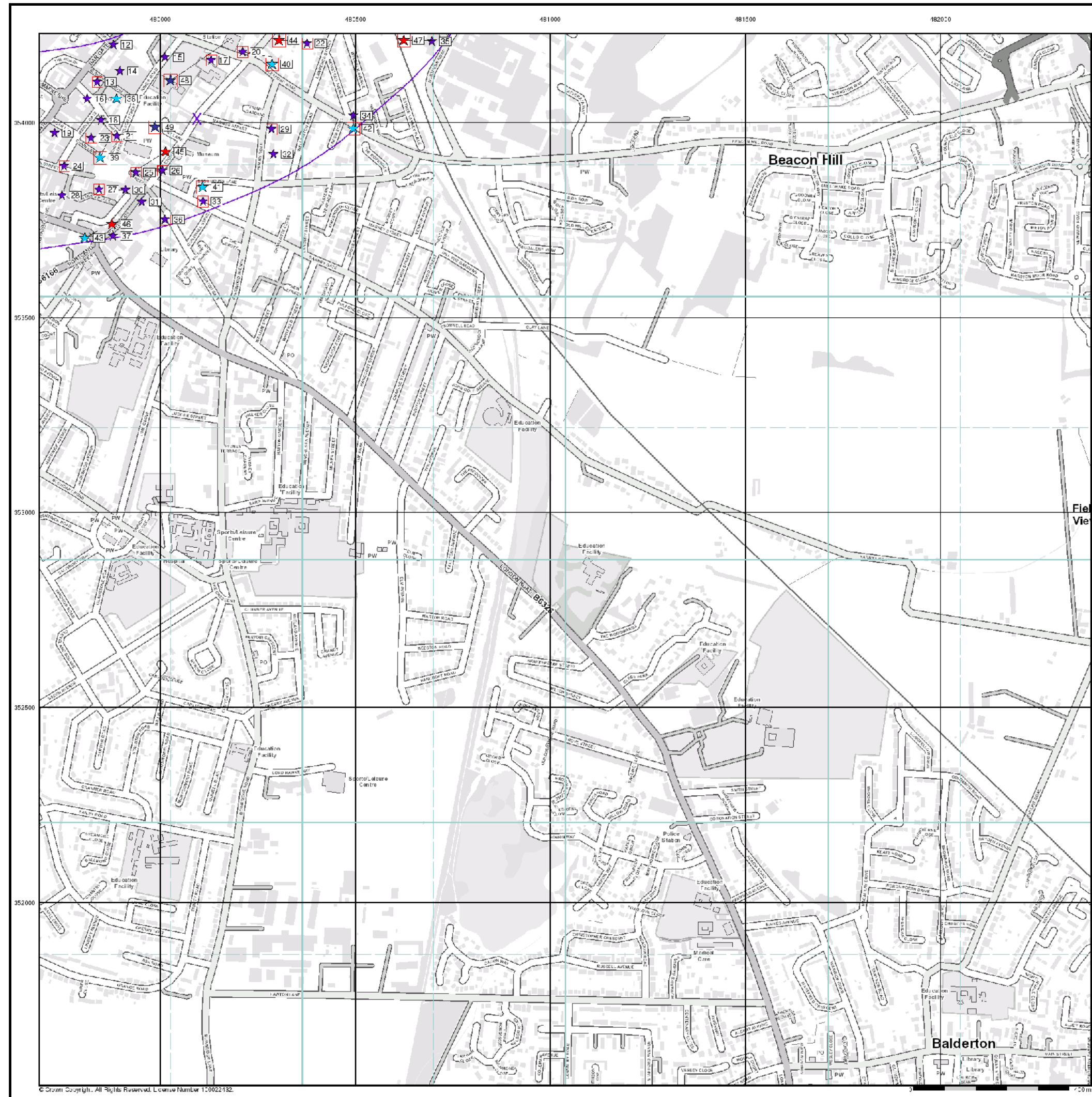
- | | | | | |
|--------------------------------|--|---|--|--|
| General | Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID |
| | Several of Type at Location | | | |
| Agency and Hydrological | Contaminated Land Register Entry or Notice (Location) | Discharge Consent | Enforcement or Prohibition Notice | Integrated Pollution Control |
| | Contaminated Land Register Entry or Notice | Local Authority Integrated Pollution Prevention and Control | Local Authority Pollution Prevention and Control Enforcement | Local Authority Pollution Prevention and Control |
| | Pollution Incident to Controlled Waters | Prosecution Relating to Authorised Processes | Prosecution Relating to Controlled Waters | Registered Radioactive Substance |
| | River Network or Water Feature | River Quality Sampling Point | Substantiated Pollution Incident Register | Water Abstraction |
| | Water Industry Act Referral | | | |
| Hazardous Substances | COMAH Site | Explosive Site | NIHHS Site | Planning Hazardous Substance Consent |
| | Planning Hazardous Substance Enforcement | | | |
| Geological | BGS Recorded Mineral Site | | | |
| Waste | BGS Recorded Landfill Site (Location) | BGS Recorded Landfill Site | EA Historic Landfill (Buffered Point) | EA Historic Landfill (Polygon) |
| | EA Historic Landfill (Buffered Point) | EA Historic Landfill (Polygon) | Integrated Pollution Control Registered Waste Site | Licensed Waste Management Facility (Landfill Boundary) |
| | Licensed Waste Management Facility (Location) | Licensed Waste Management Facility (Landfill Boundary) | Local Authority Recorded Landfill Site (Location) | Local Authority Recorded Landfill Site |
| | Potentially Infilled Land (Non-water) | Potentially Infilled Land (Non-water) | Potentially Infilled Land (Water) | Potentially Infilled Land (Water) |
| | Potentially Infilled Land (Water) | Potentially Infilled Land (Water) | Potentially Infilled Land (Water) | Potentially Infilled Land (Water) |
| | Registered Landfill Site (Location) | Registered Landfill Site (Point Buffered to 100m) | Registered Landfill Site (Point Buffered to 250m) | Registered Waste Transfer Site (Location) |
| | Registered Landfill Site (Point Buffered to 100m) | Registered Landfill Site (Point Buffered to 250m) | Registered Waste Transfer Site (Location) | Registered Waste Transfer Site |
| | Registered Waste Transfer Site (Location) | Registered Waste Transfer Site | Registered Waste Treatment or Disposal Site (Location) | Registered Waste Treatment or Disposal Site |
| | Registered Waste Treatment or Disposal Site (Location) | Registered Waste Treatment or Disposal Site | | |

Site Sensitivity Map - Slice B



Order Details
 Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

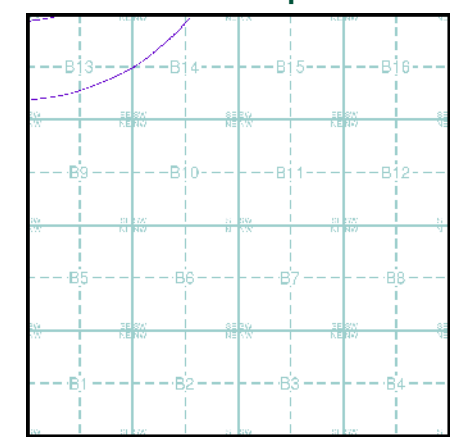
Site Details
 A46, Newark, NG24 2PG



Industrial Land Use Map

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
 - Gas Pipeline
 - Points of Interest - Commercial Services
 - Points of Interest - Education and Health
 - Points of Interest - Manufacturing and Production
 - Points of Interest - Public Infrastructure
 - Points of Interest - Recreational and Environmental
 - Underground Electrical Cables

Industrial Land Use Map - Slice B






Order Details

Order Number: 172582399_1_1
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Site Details

A46, Newark, NG24 2PG

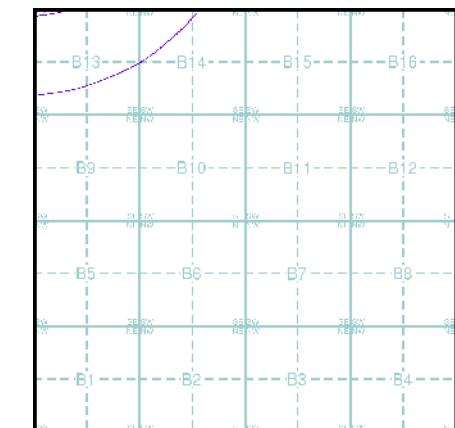
General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Agency and Hydrological (Flood)

-  Extreme Flooding from Rivers or Sea without Defences (Zone 2)
-  Flooding from Rivers or Sea without Defences (Zone 3)
-  Area Benefiting from Flood Defence
-  Flood Water Storage Areas
-  Flood Defence

Flood Map - Slice B



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG



General

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

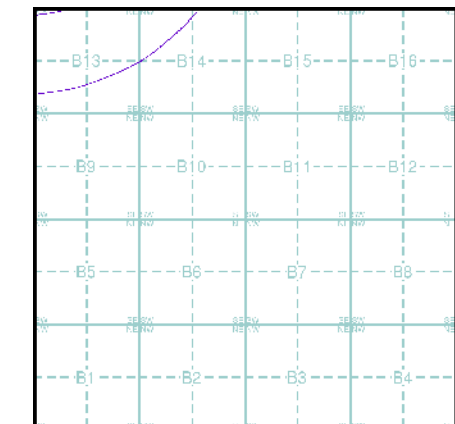
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice B

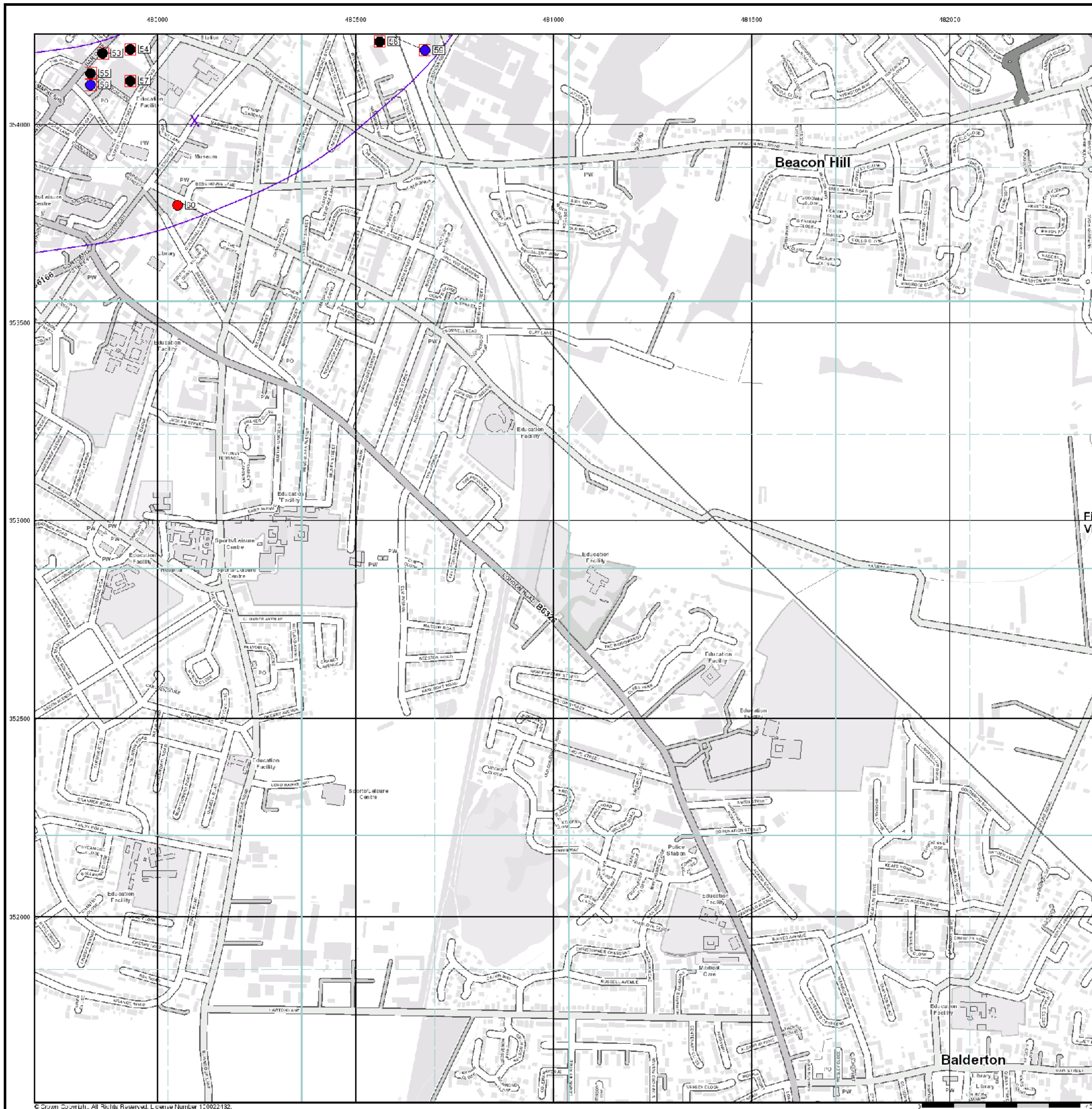


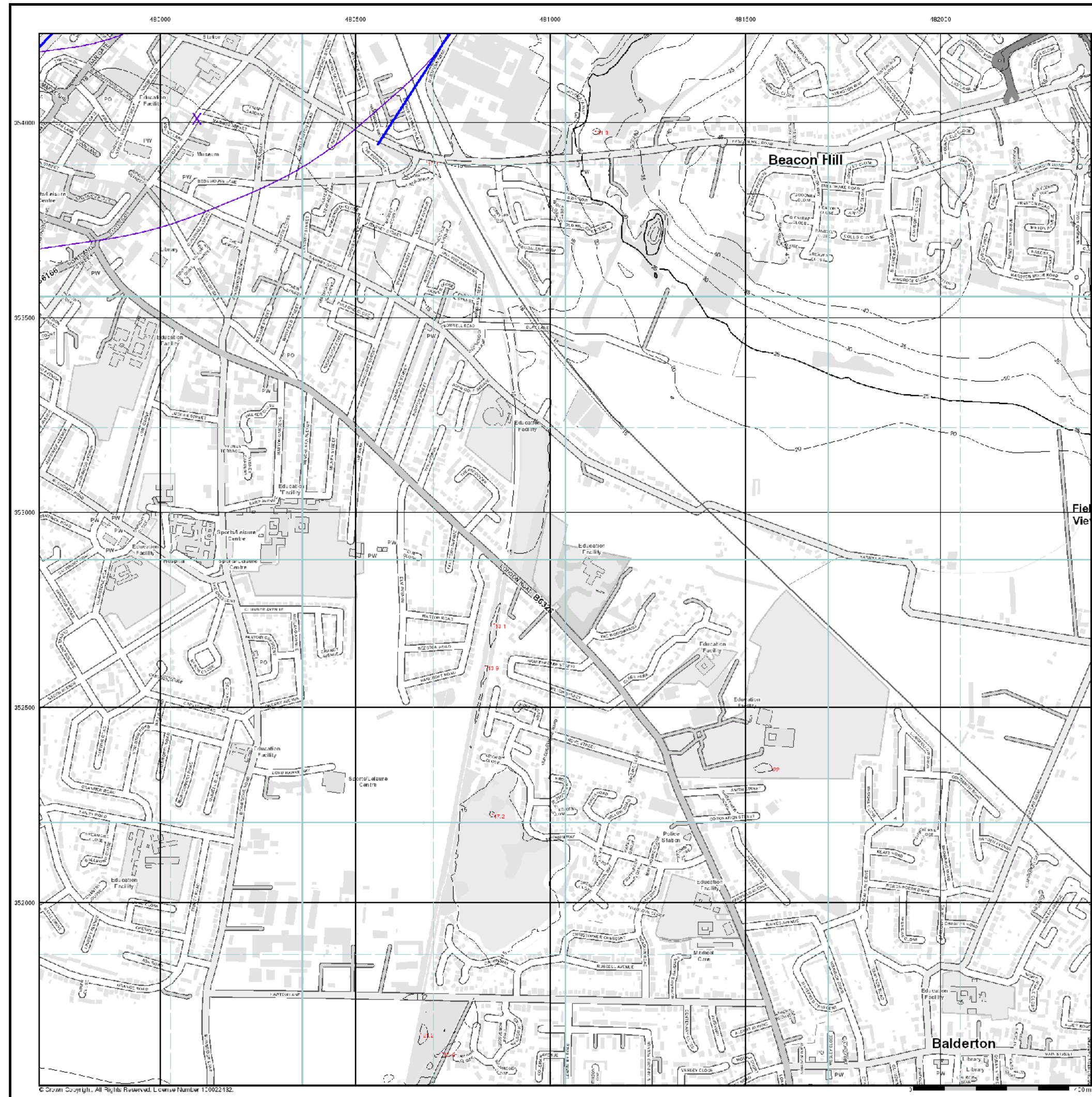
Order Details

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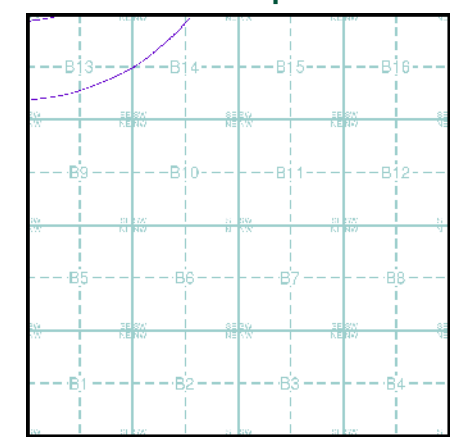


- General**
- Specified Site
 - Specified Buffer(s)
 - X Bearing Reference Point

- OS Water Network Data**
- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

- Contours (height in meters)**
- Standard Contour 105 100 95
- Master Contour MLW Mean Low Water MHW Mean High Water
- Spot Height 167.3

OS Water Network Map - Slice B






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Site Details
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General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Risk of Flooding from Surface Water

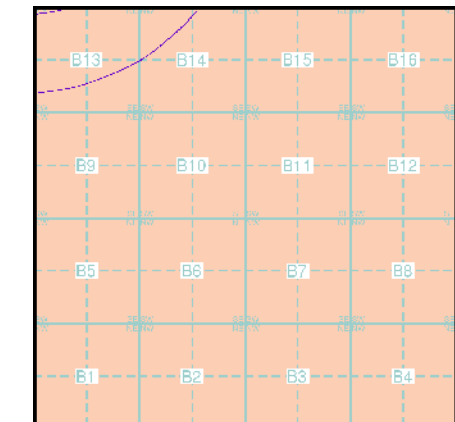
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

See the suitability map below

-  National to county
-  County to town
-  Town to street
-  Street to parcels of land
-  Property

EANRW Suitability Map - Slice B

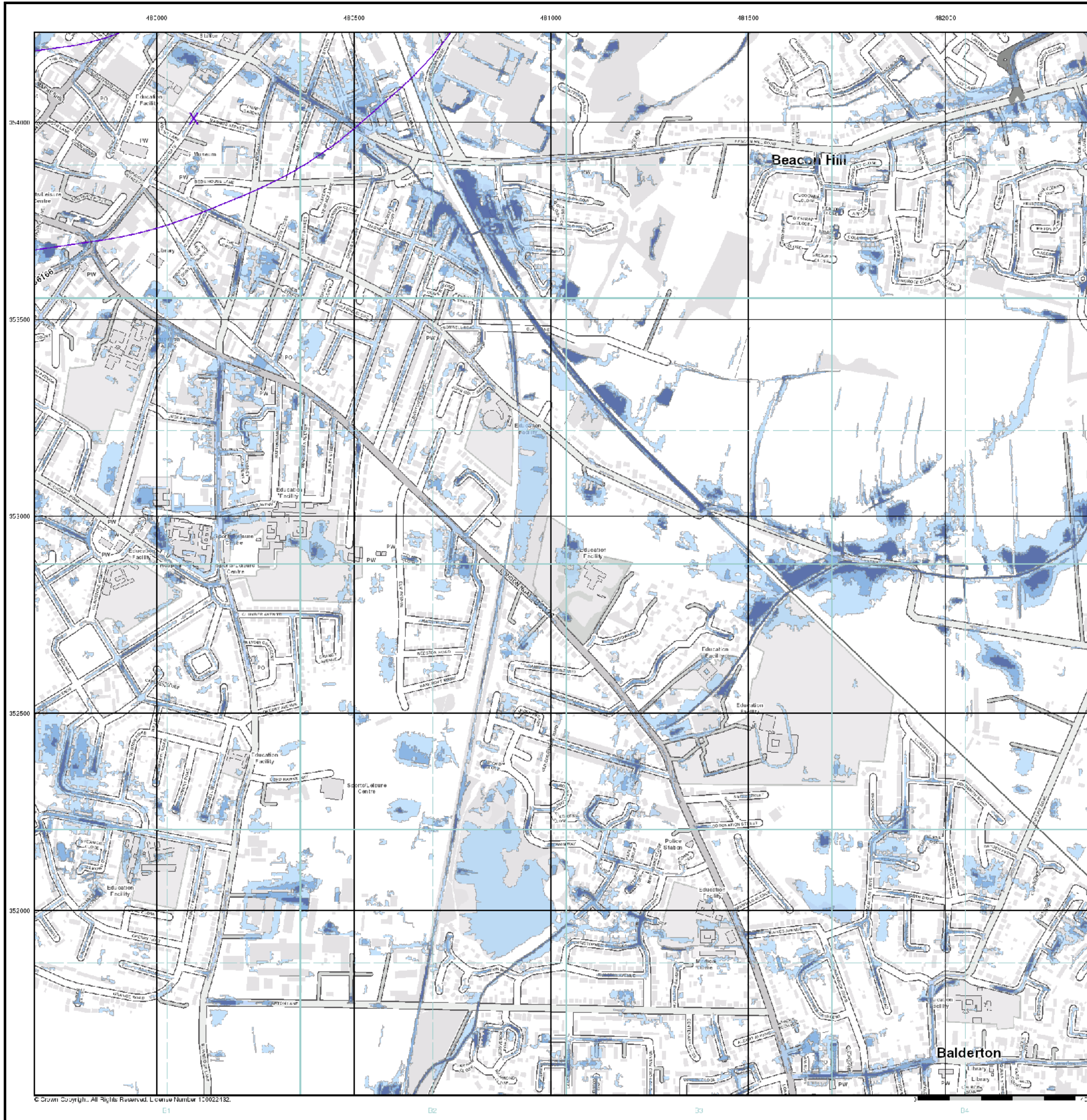


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Site Details

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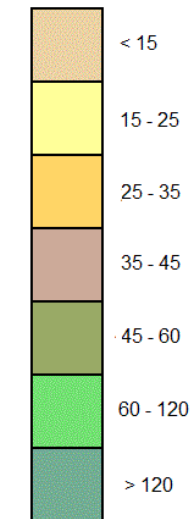
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General

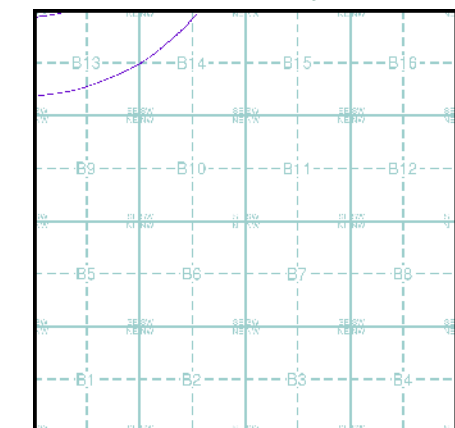
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- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice B

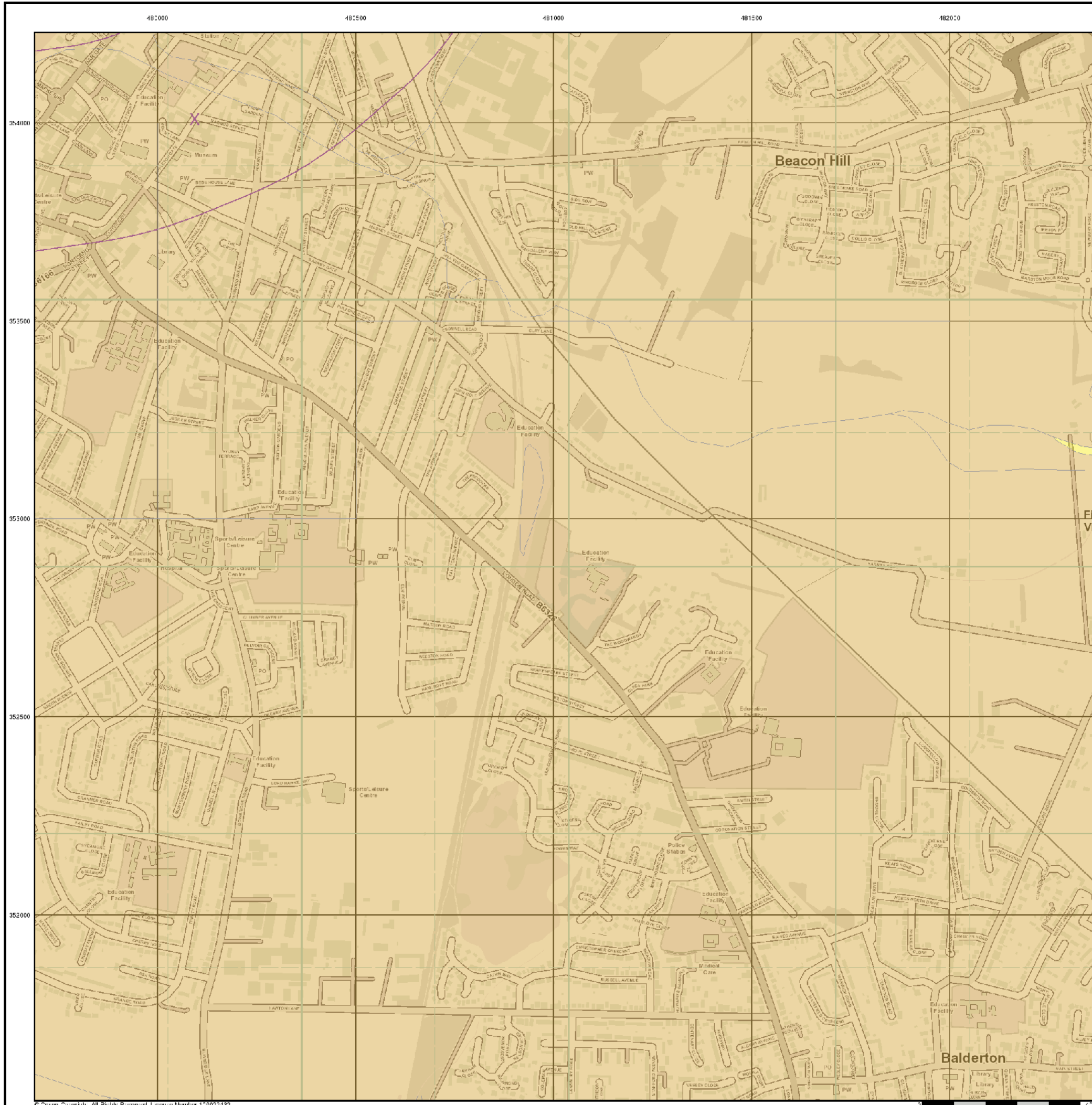


Order Details

Order Details: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480090, 354010
 Slice: B
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG

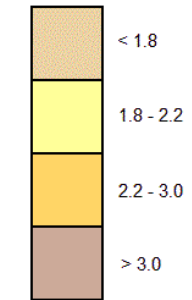


General

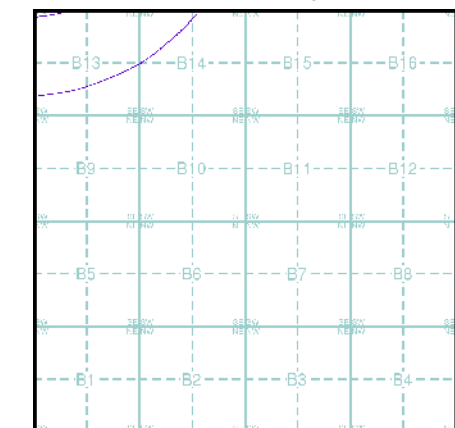
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- Specified Buffer(s)
- ✕ Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice B

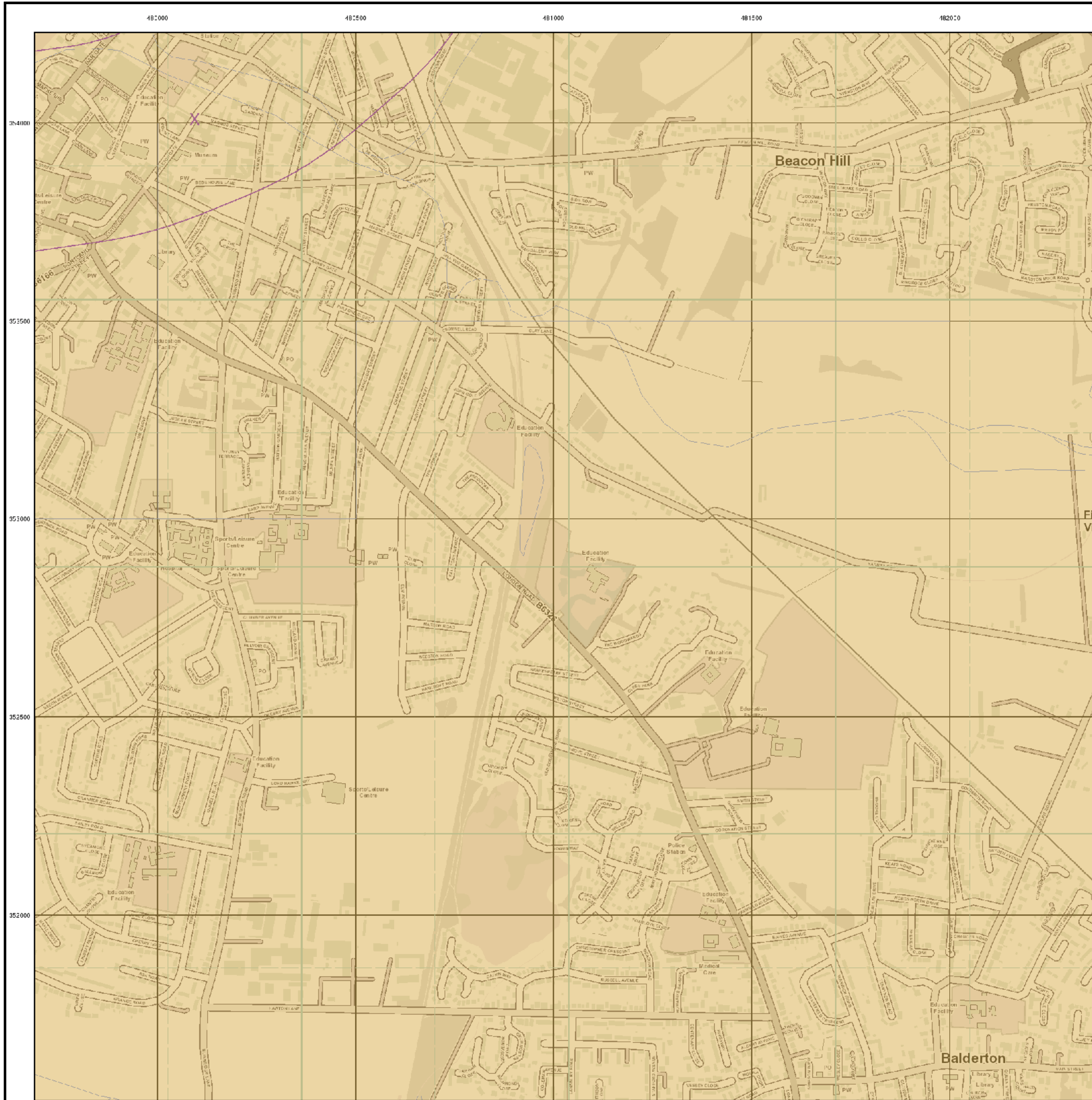


Order Details

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Site Details

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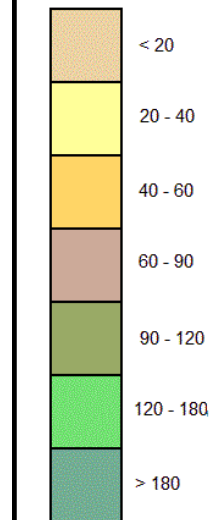


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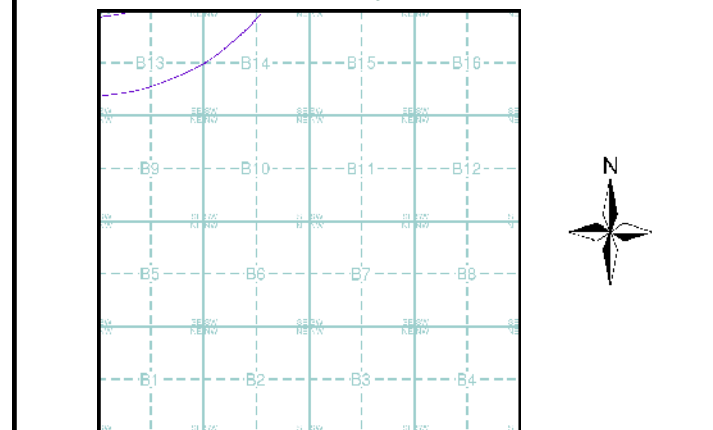
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- ✕ Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice B

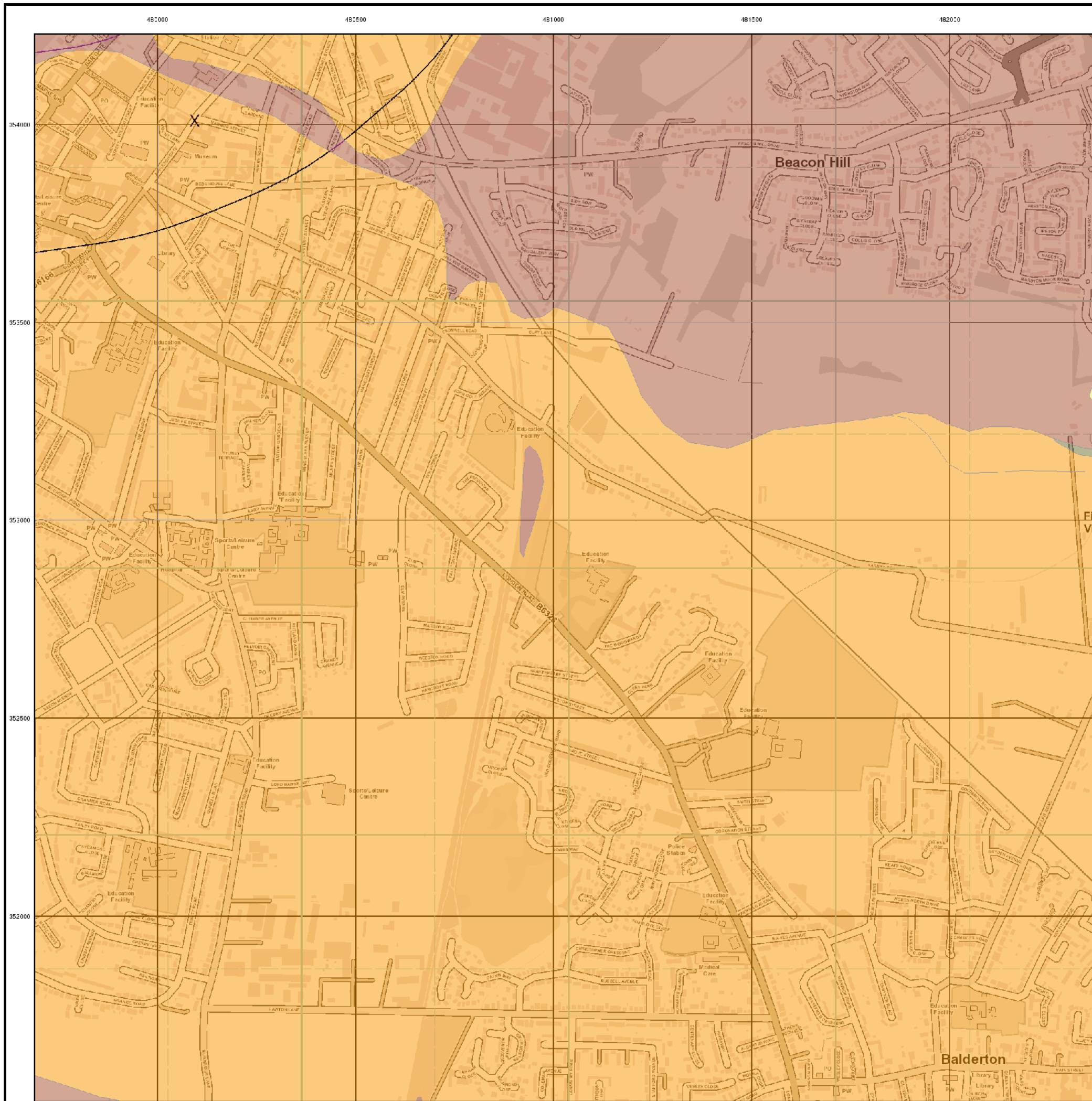


Order Details

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Site Details

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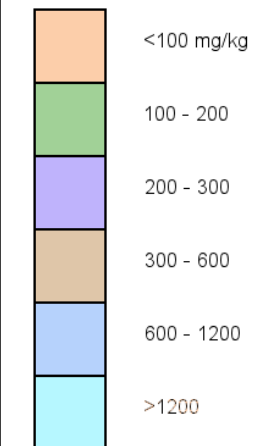


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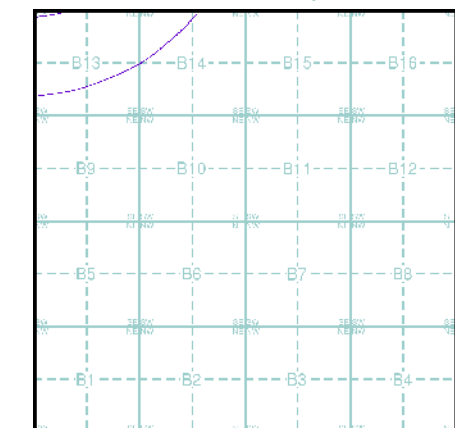
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- Specified Buffer(s)
- ✕ Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice B

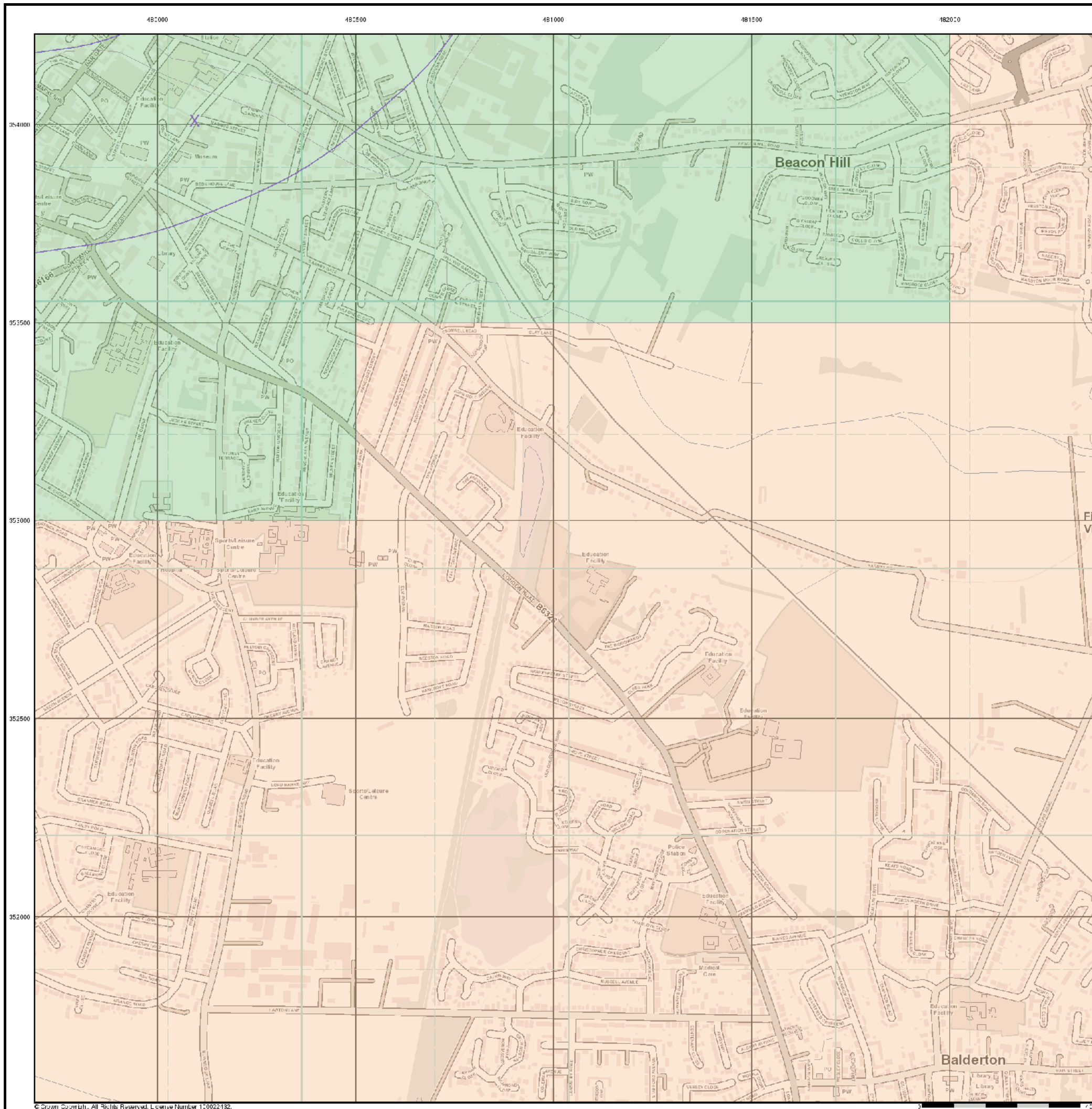


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Site Details

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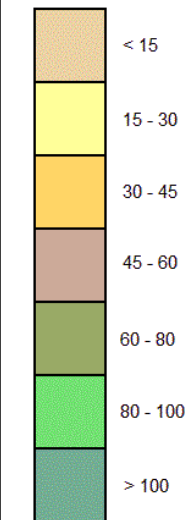


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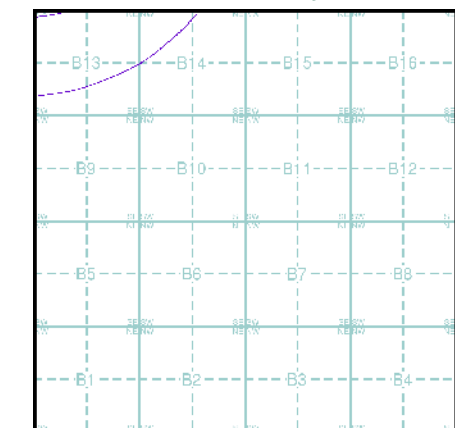
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- Specified Buffer(s)
- ✕ Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice B

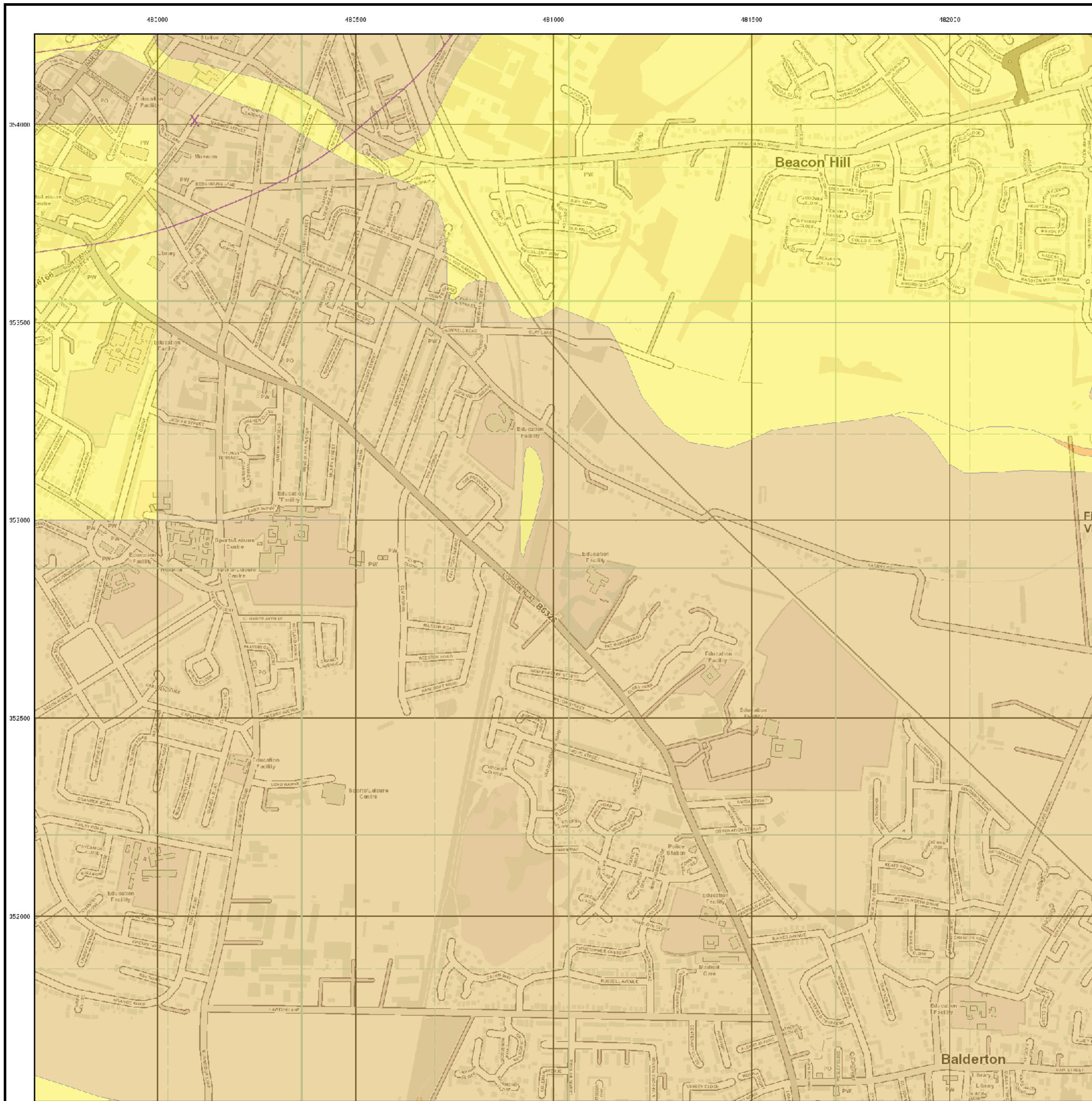


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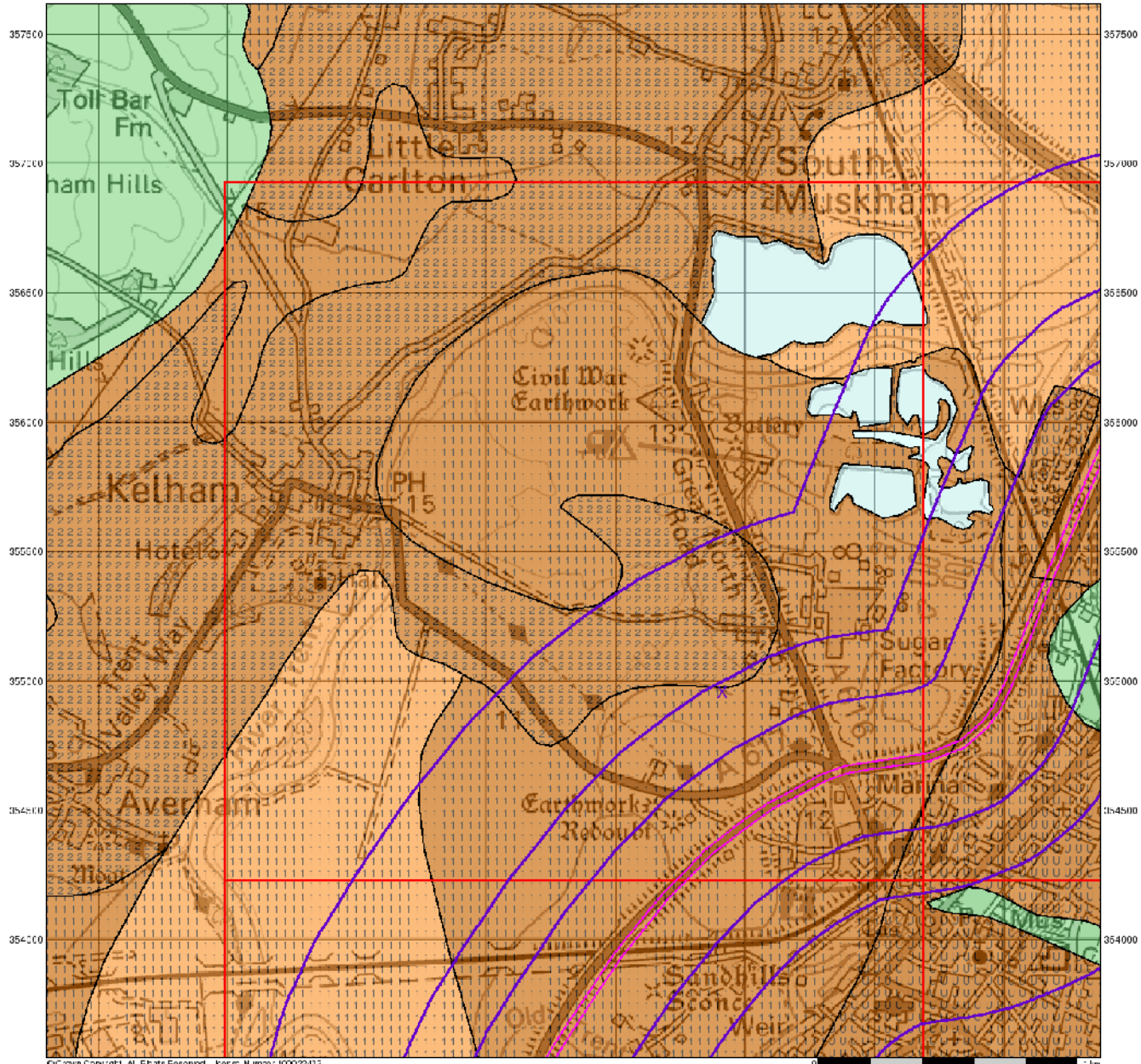
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 Slice: B
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 Search Buffer (m): 1000

Site Details

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Groundwater Vulnerability

General

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

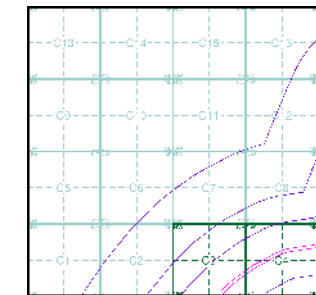
Agency and Hydrological

Geological Classes

- Major Aquifer (Highly Permeable)**
 - High (H) 1, 2, 3, U
 - Intermediate (I) 1, 2
 - Low
- Minor Aquifer (Variably Permeable)**
 - High (H) 1, 2, 3, U
 - Intermediate (I) 1, 2
 - Low
- Non Aquifer (Negligibly Permeable)**
 - Low
- Water or Sea**
 -
- Drift Deposit**
 -

Soil Classes

Site Sensitivity Context Map - Slice C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

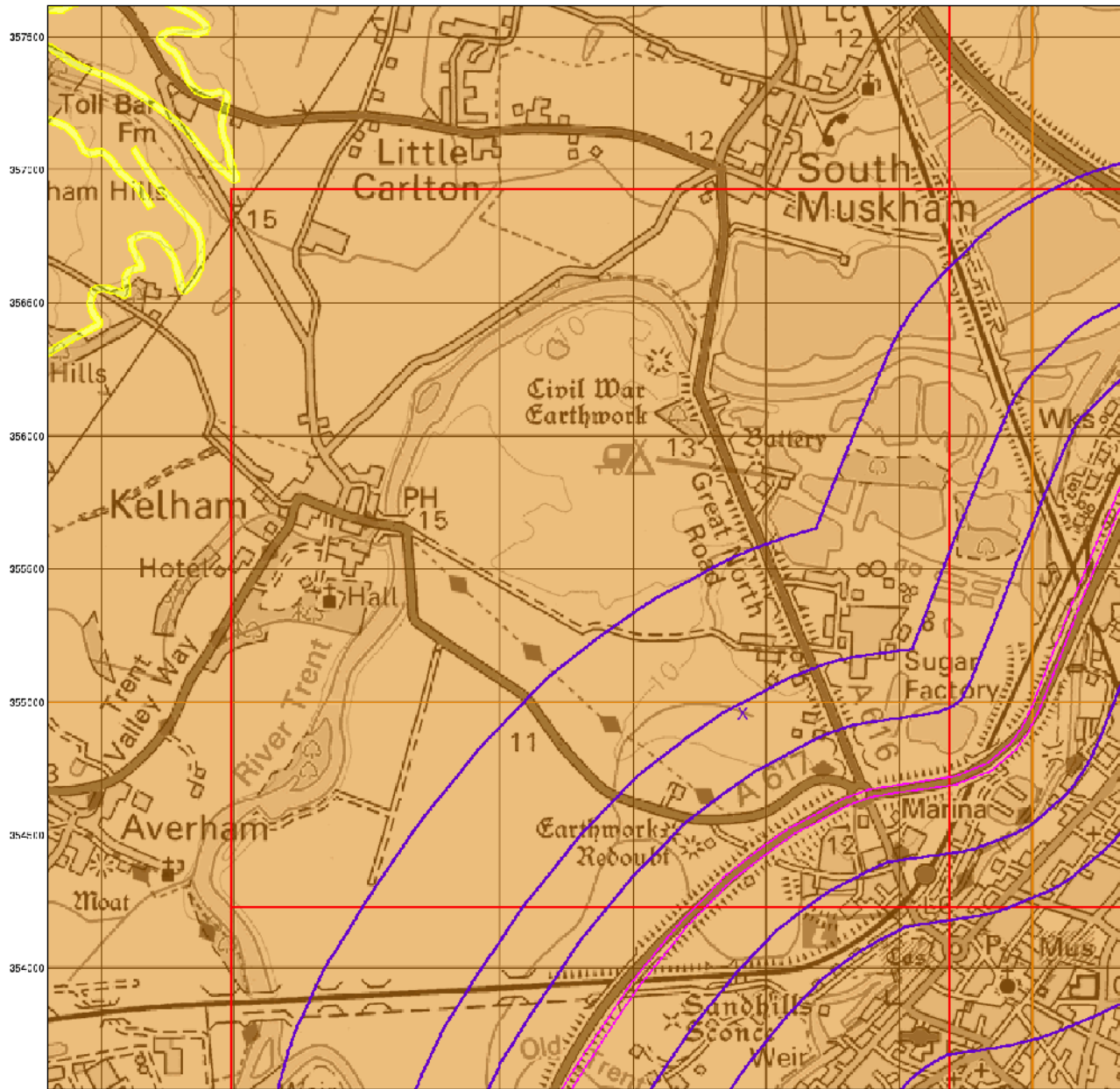
Site Details

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Bedrock Aquifer Designation

General

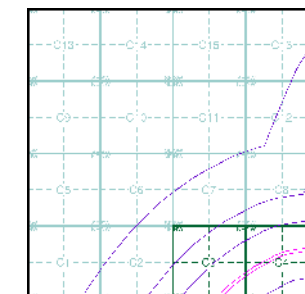
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice C



Order Details

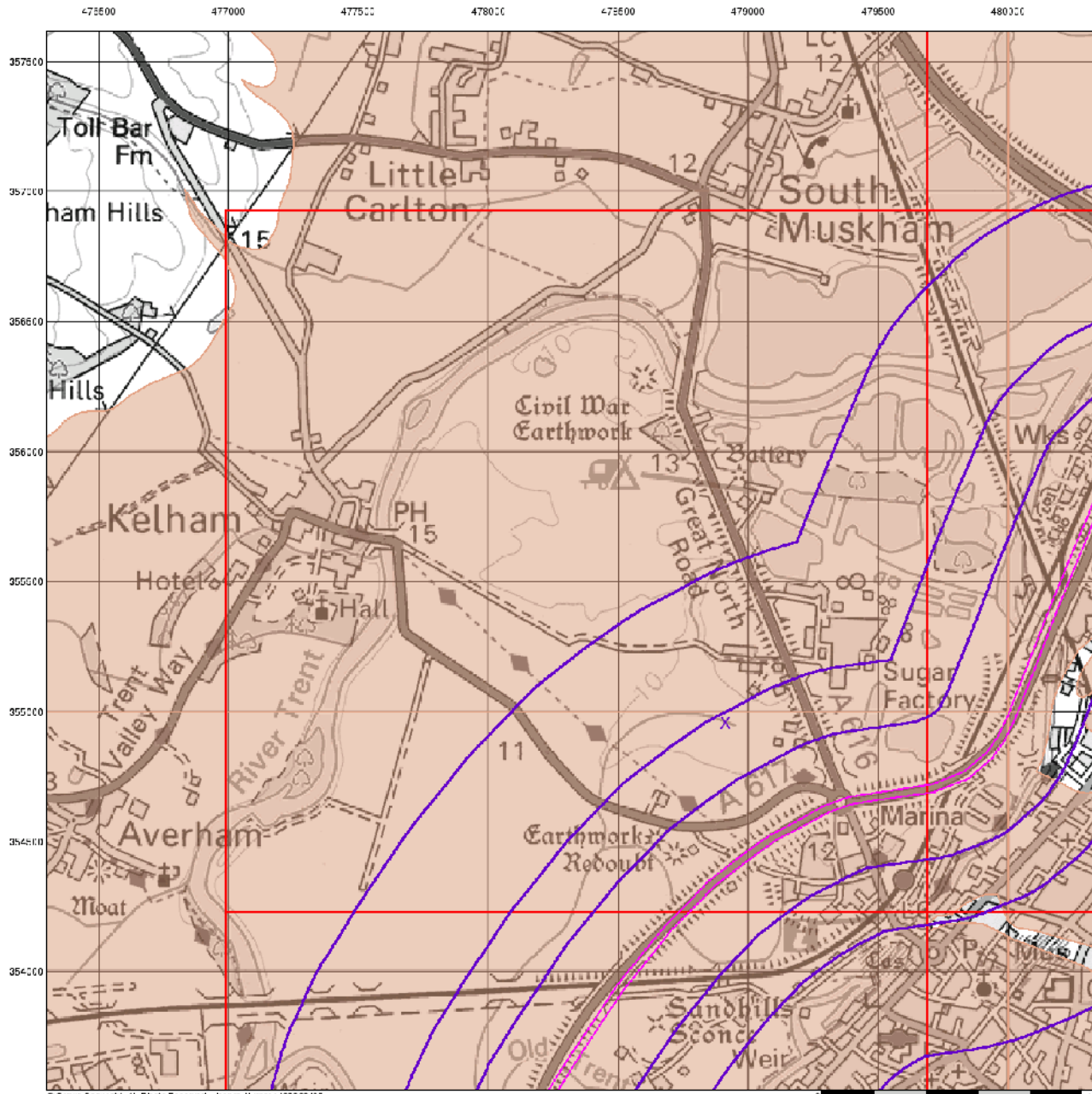
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 Slice: C
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 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

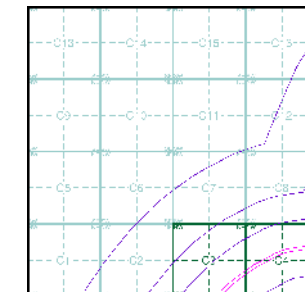
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

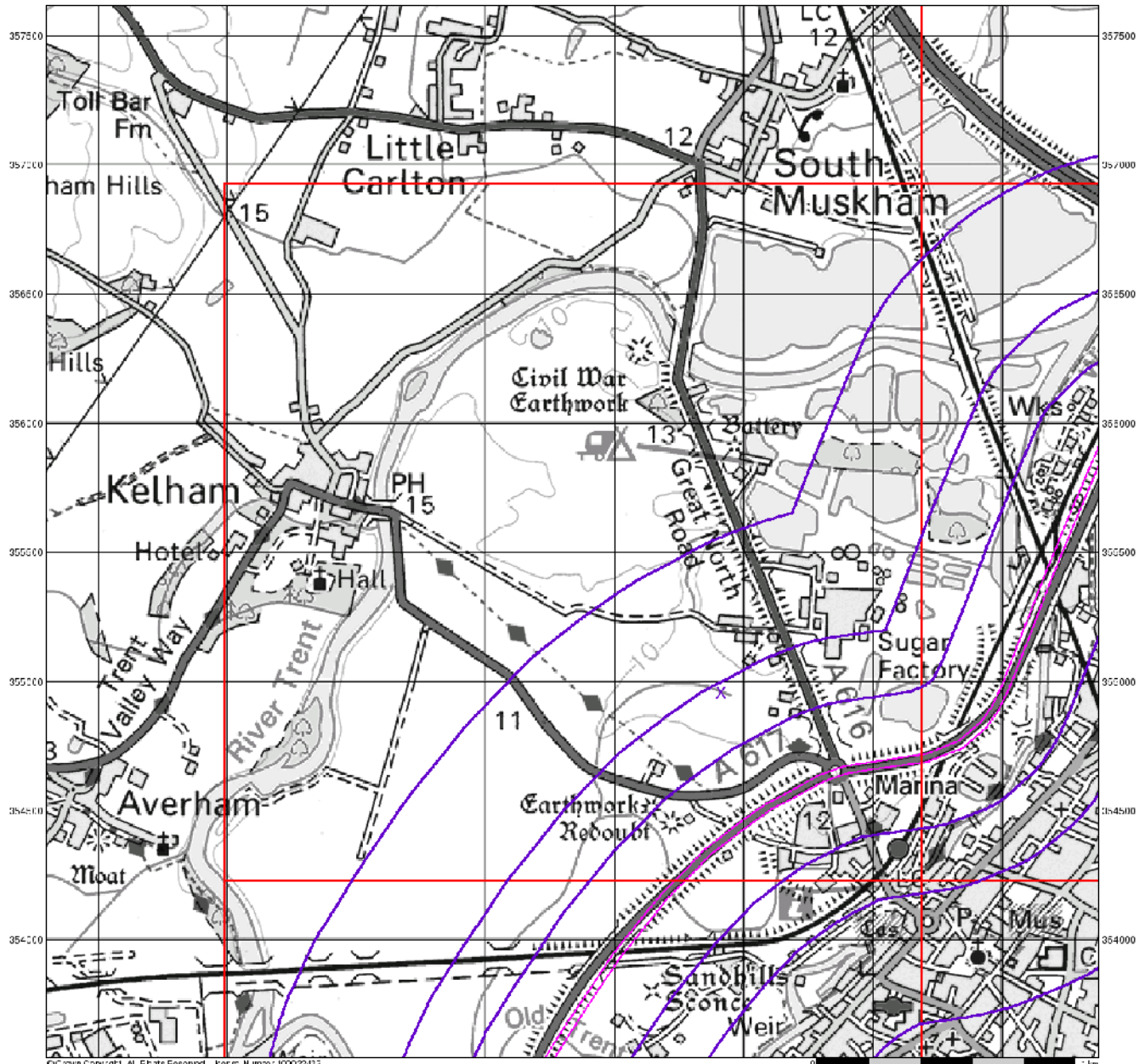
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Source Protection Zones

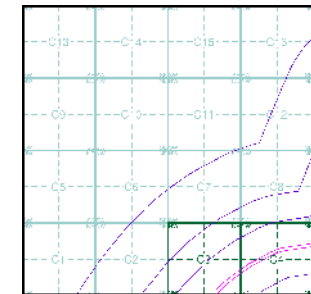
General

- 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 C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

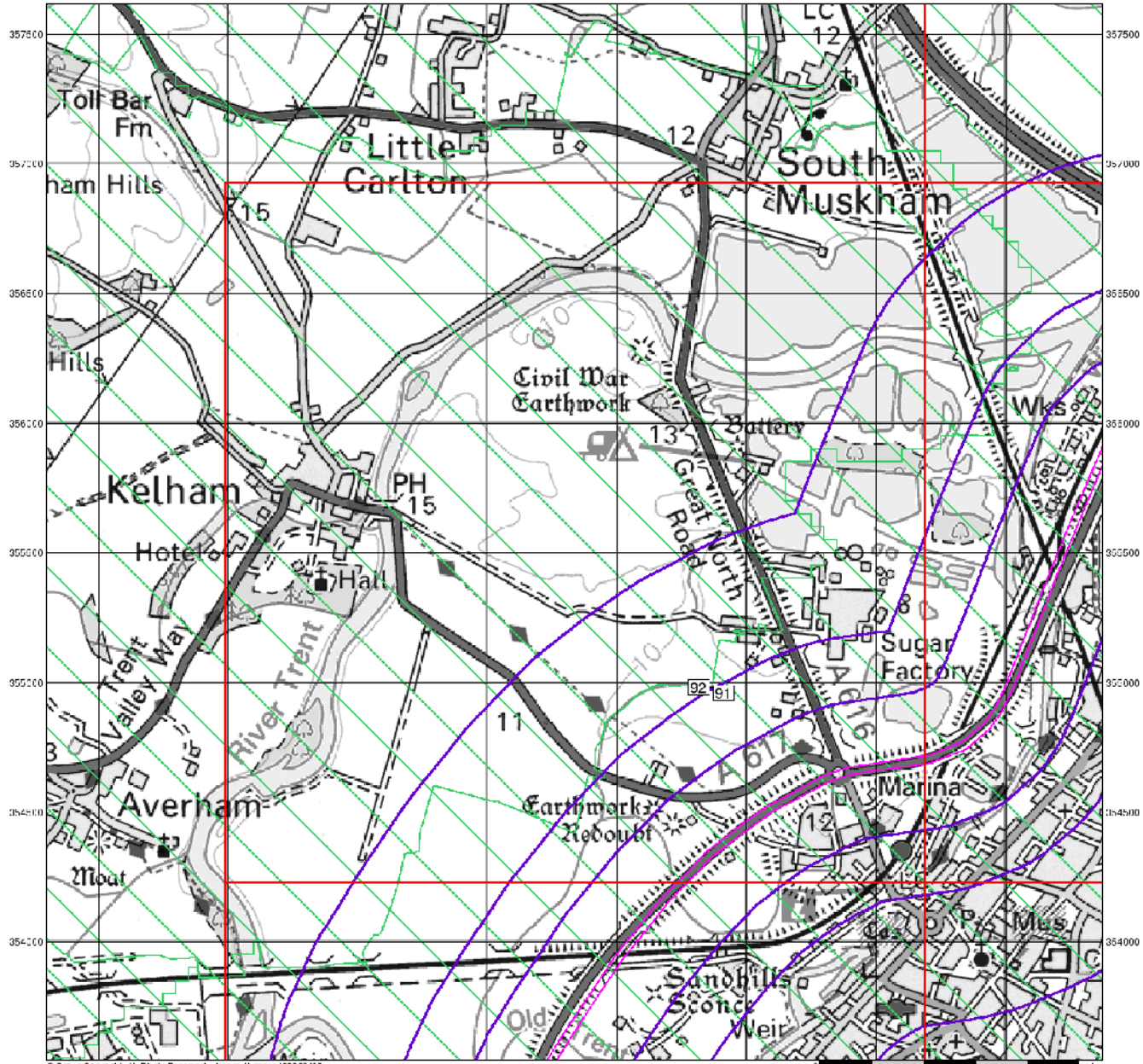
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Sensitive Land Uses

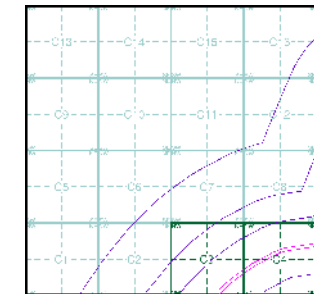
General

-  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 C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
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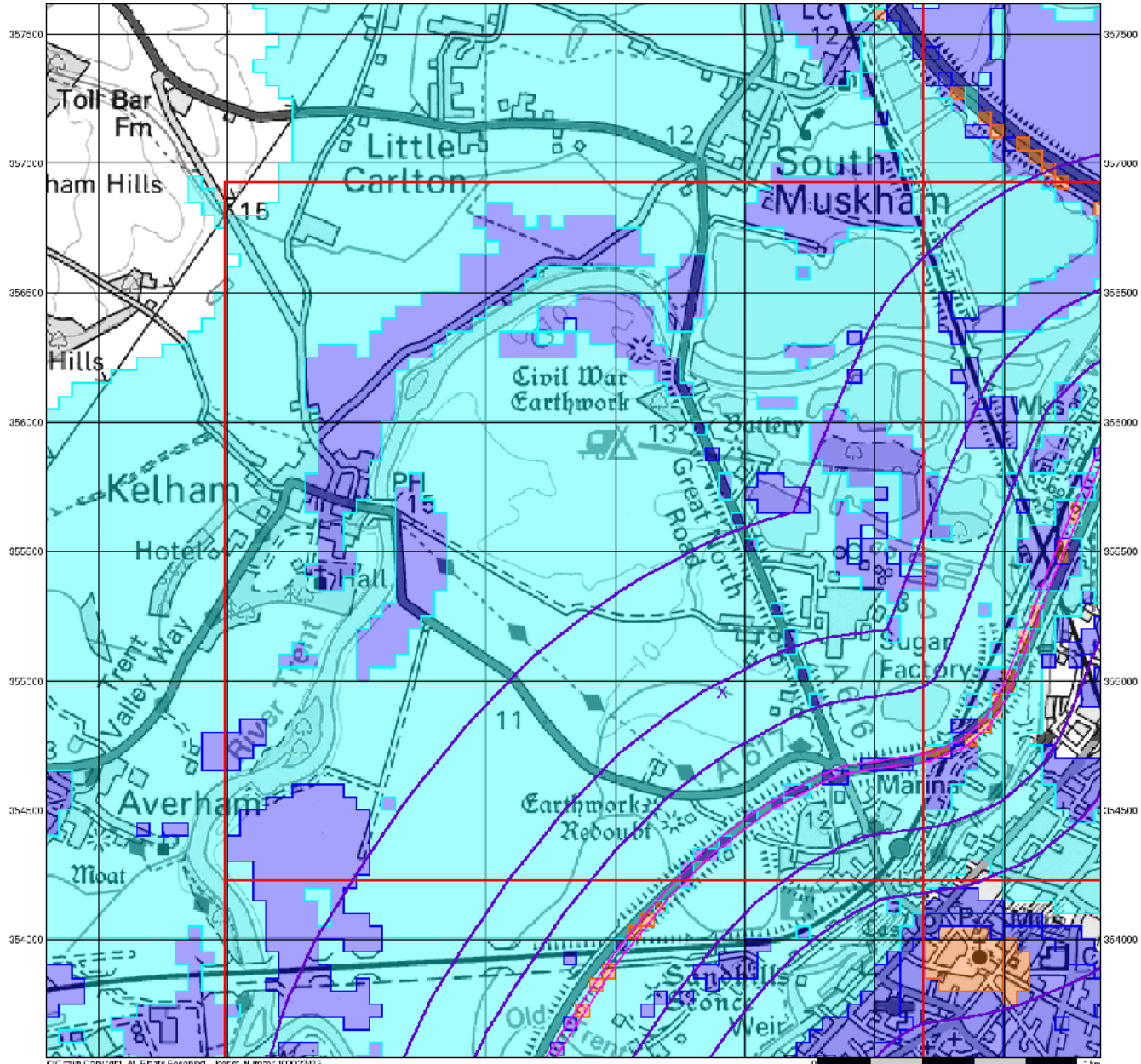
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BGS Flood GFS Data

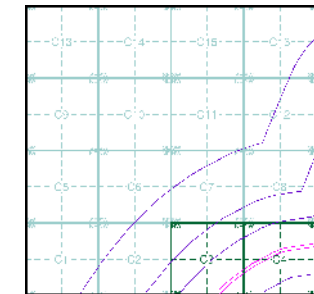
General

- 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 C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

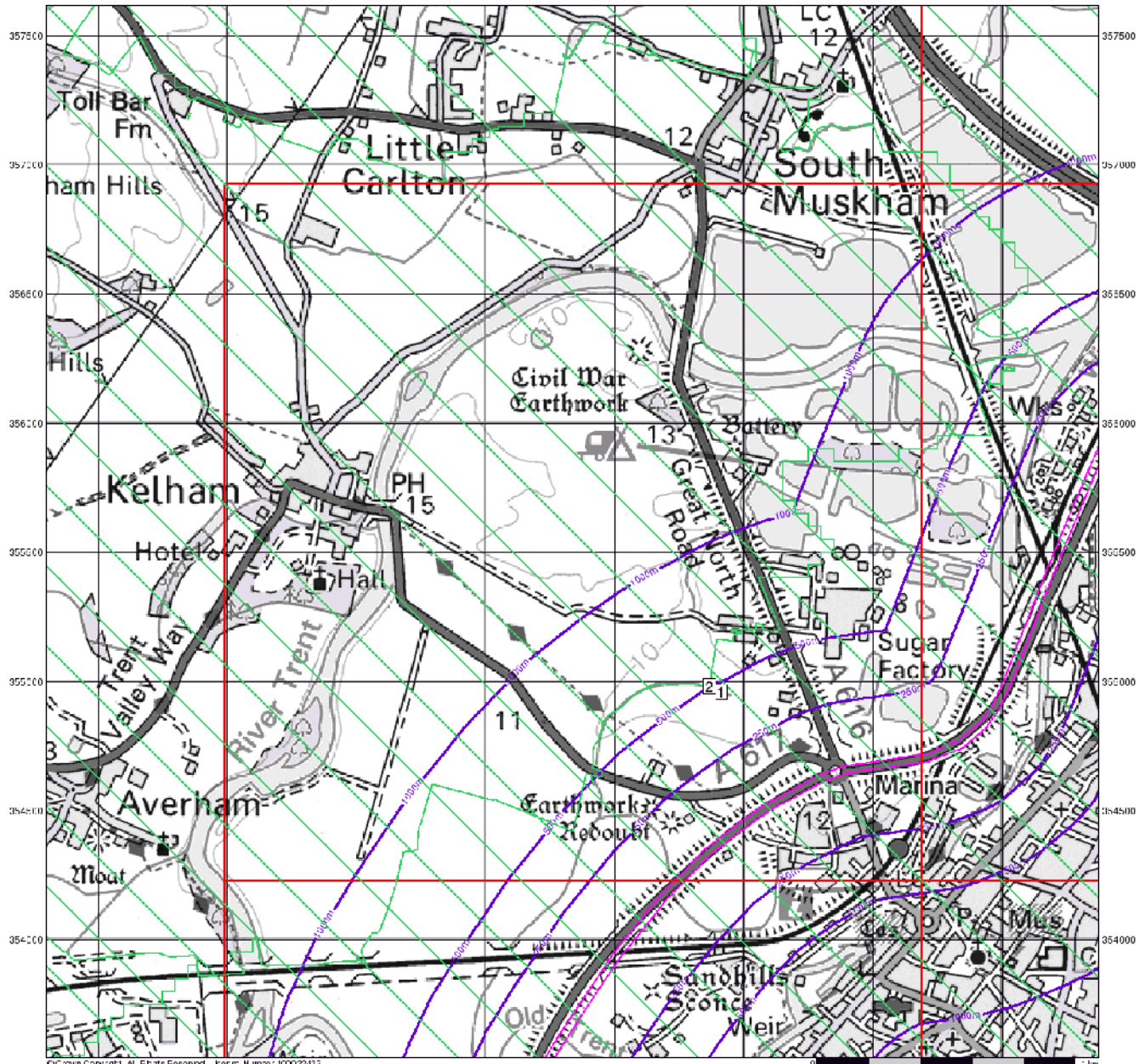
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Ecology

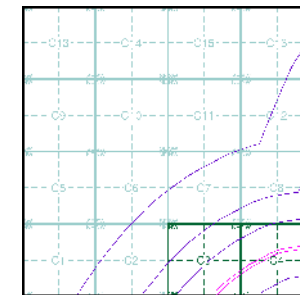
General

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

Ecology

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Outstanding Natural Beauty
- Area of Unadopted Green Belt
- Country Parks
- 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

Ecology - Slice C



Order Details

Order Number: 172582399_1_1
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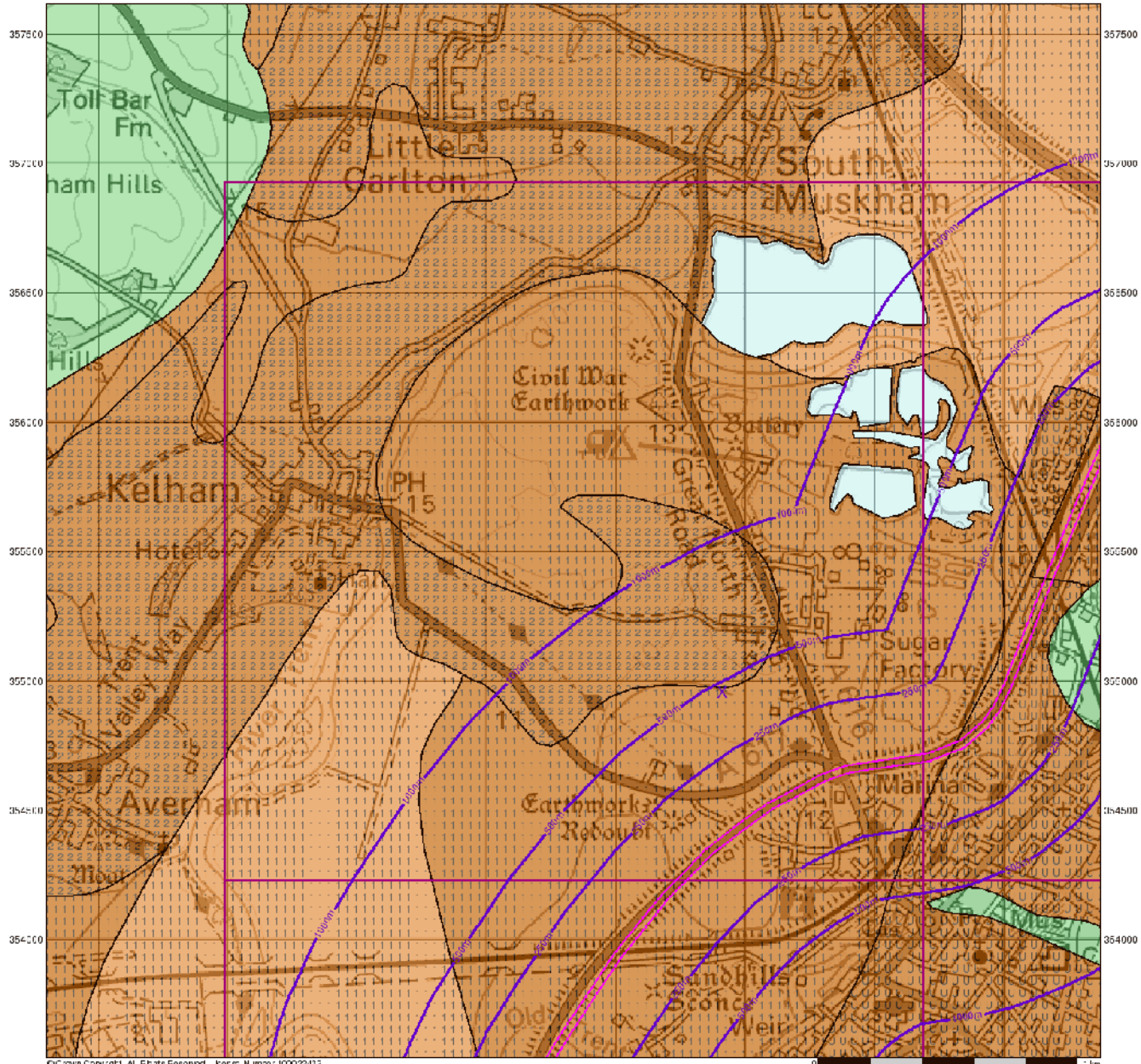
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Water and Hydrology

General

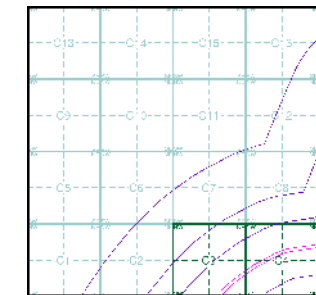
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Groundwater Vulnerability

Geological Classes

- | | | |
|---|--|-----------------------|
| Major Aquifer (Highly Permeable) | | High (H) 1, 2, 3, U |
| | | Intermediate (I) 1, 2 |
| | | Low |
| Minor Aquifer (Variably Permeable) | | High (H) 1, 2, 3, U |
| | | Intermediate (I) 1, 2 |
| | | Low |
| Non Aquifer (Negligibly Permeable) | | |
| Water or Sea | | |
| Drift Deposit | | |

Groundwater Vulnerability - Slice C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
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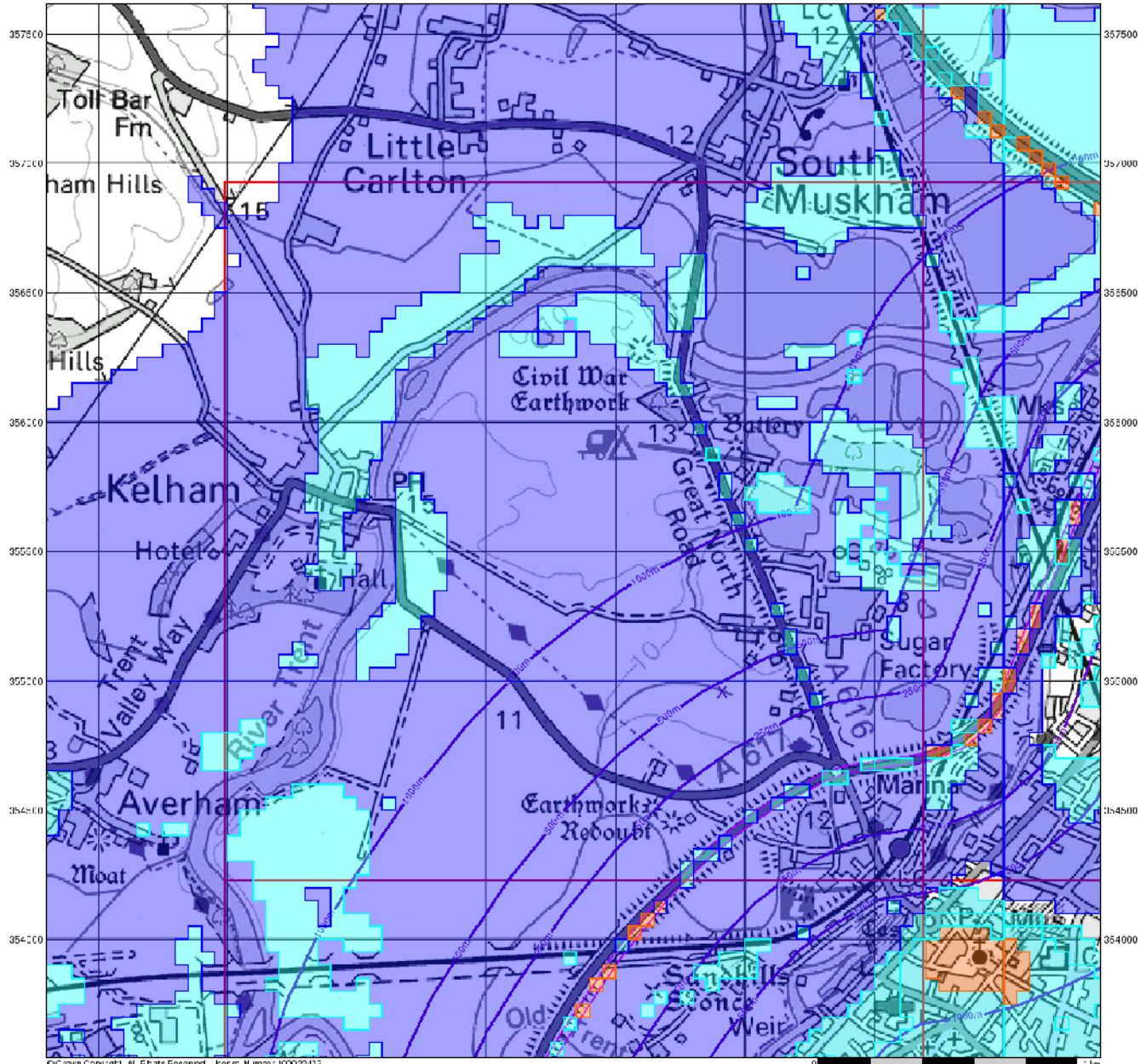
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Water and Hydrology

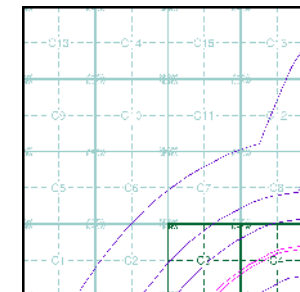
General

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

Groundwater Flooding Susceptibility

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

Groundwater Flooding Susceptibility - Slice C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
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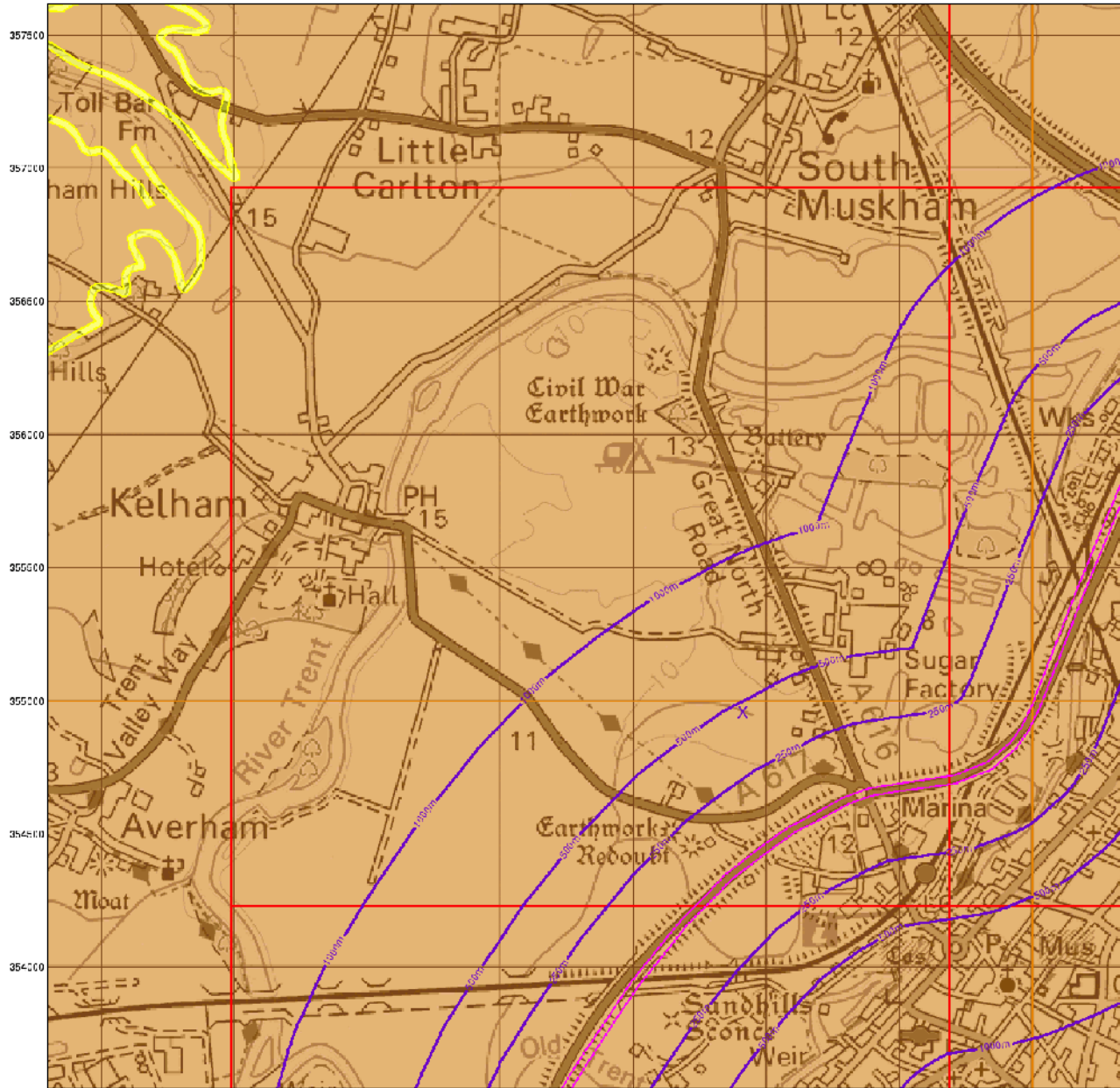
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Water and Hydrology

General

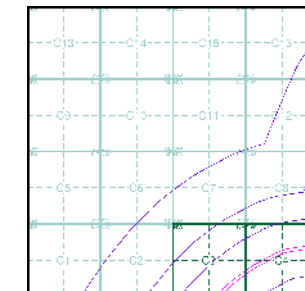
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Bedrock Aquifer Designations

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Bedrock Aquifer Designations - Slice C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
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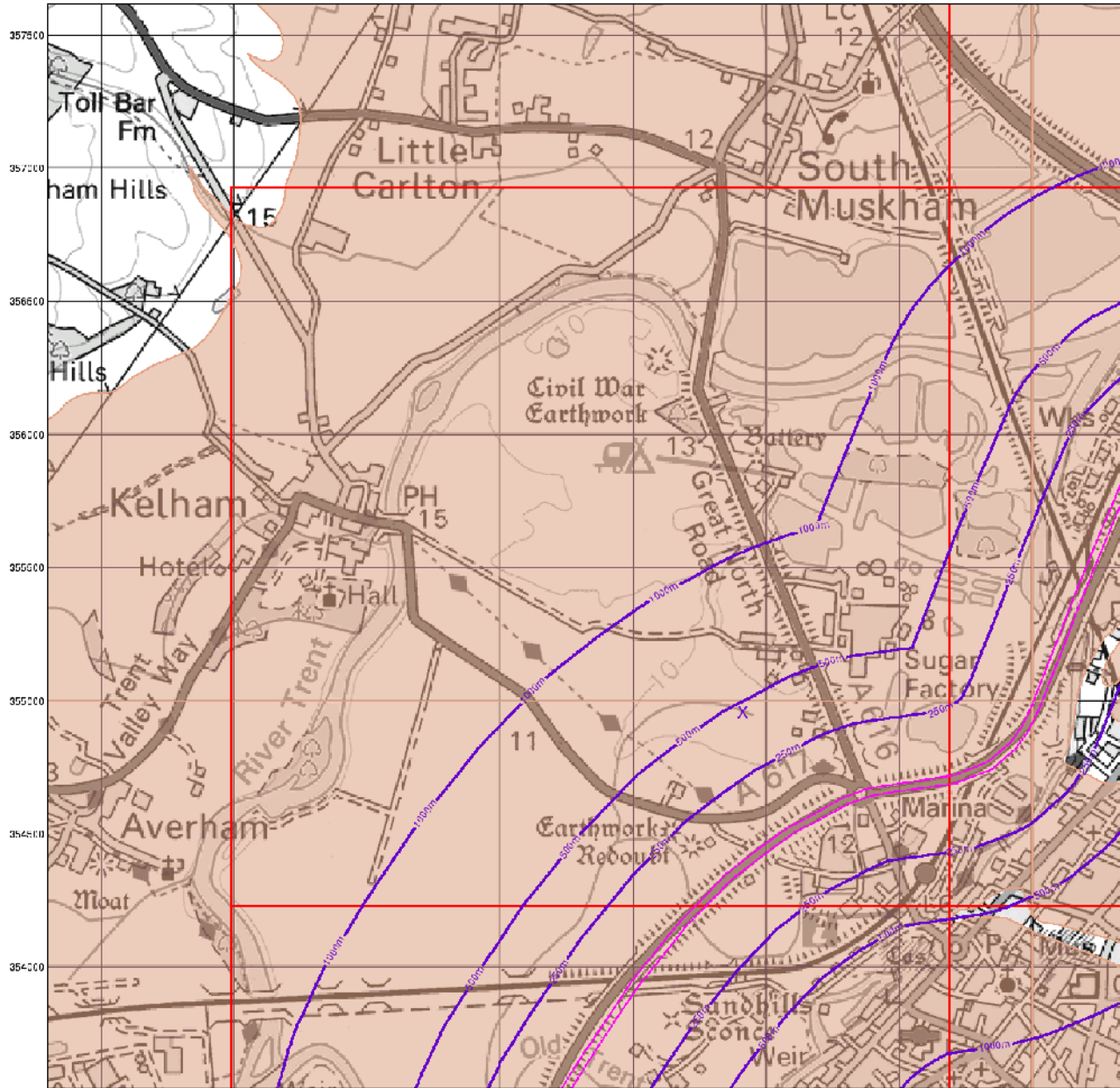
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Water and Hydrology

General

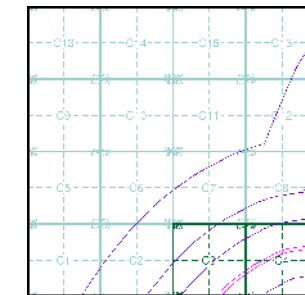
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Superficial Aquifer Designations

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Superficial Aquifer Designations - Slice C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
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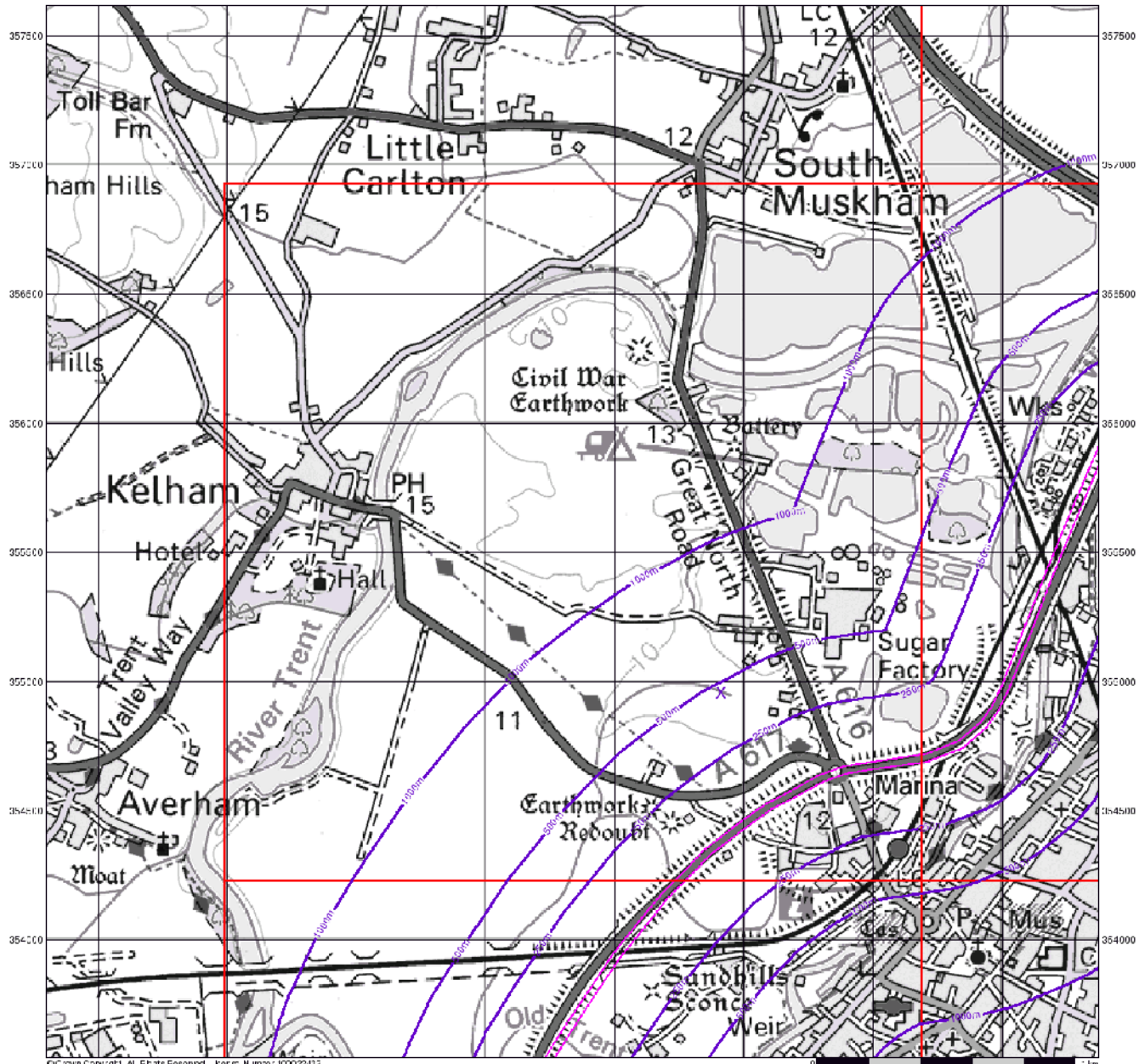
Site Details

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Water and Hydrology

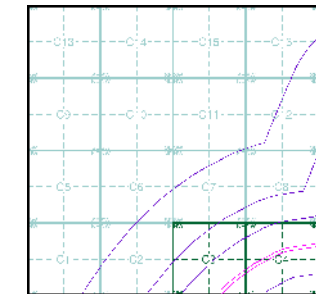
General

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

Source Protection Zones

- 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)

Source Protection Zones - Slice C



Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
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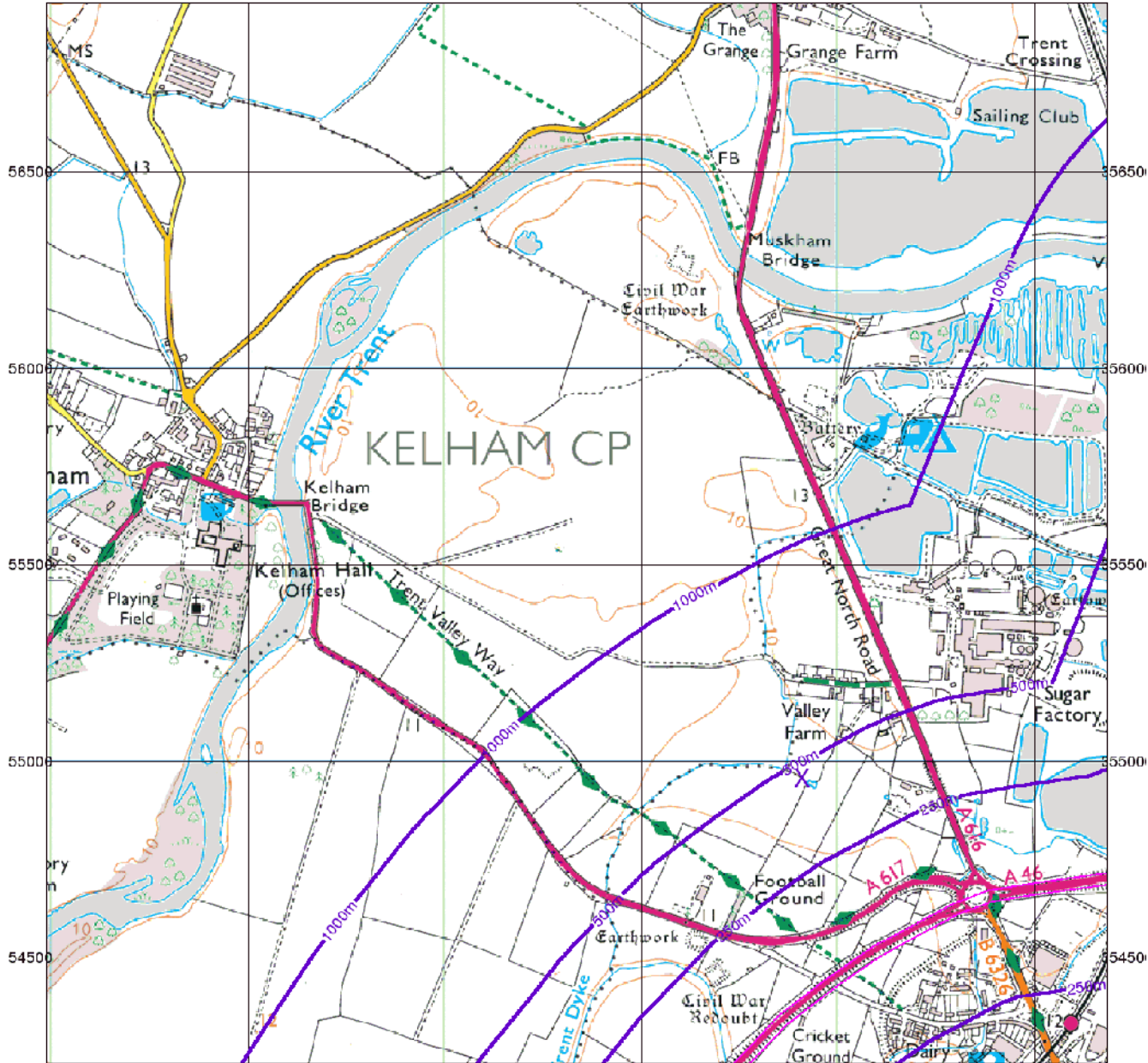
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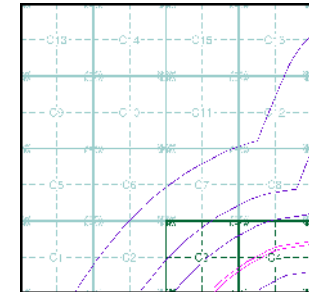
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Site Location

General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Site Location - Slice C



Order Details

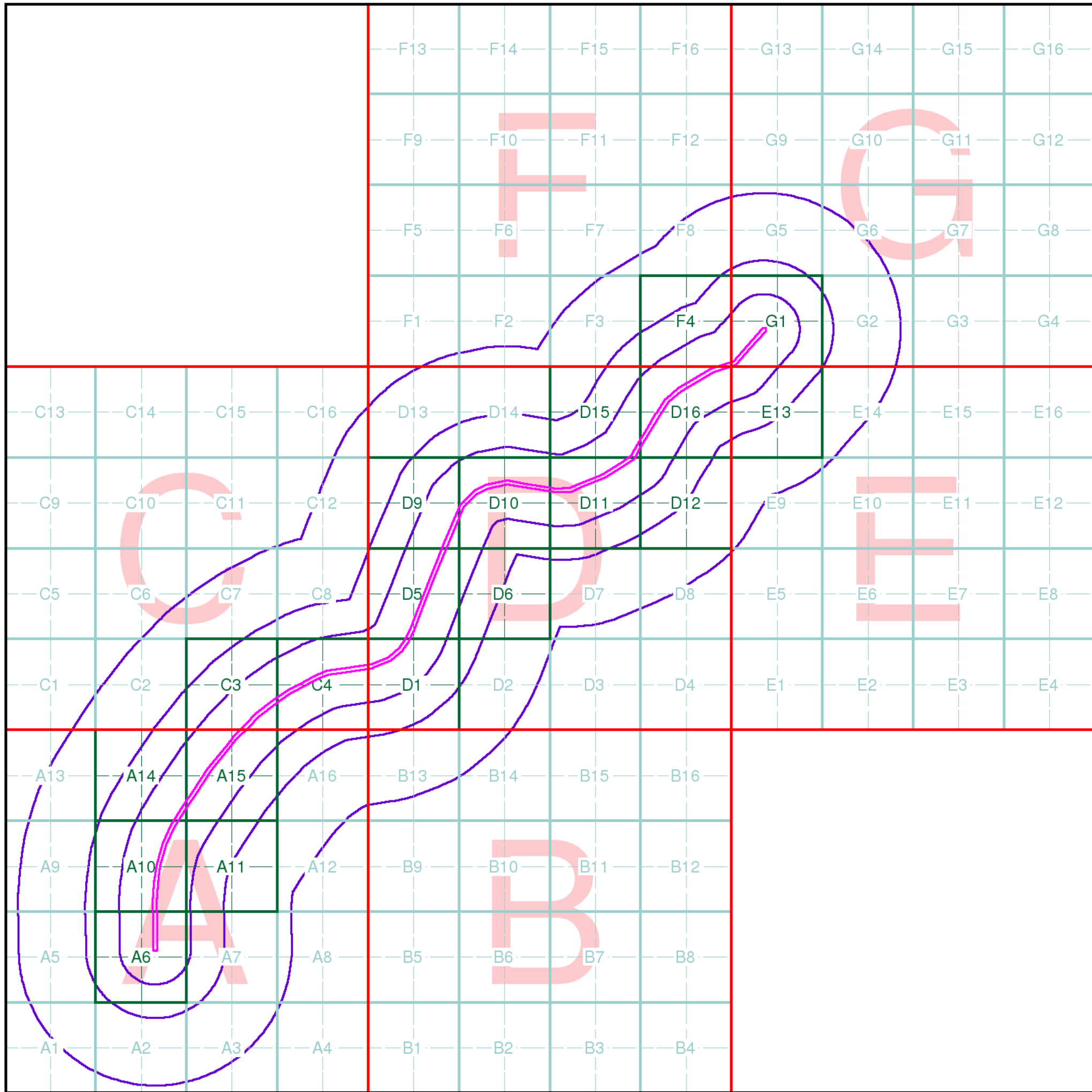
Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 478910, 354960
 Slice: C
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG

Landmark[®]
 LANDMARK INFORMATION GROUP

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



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:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Ms Z Rostance, Atkins Ltd, 200 Broomielaw, Glasgow, G1 4RU

Order Details

Order Number: 172582399_1_1
 Customer Ref: 5162675 sub no 255
 National Grid Reference: 480080, 355140
 Site Area (Ha): 21.45
 Search Buffer (m): 1000

Site Details

A46, Newark, NG24 2PG

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Registered office Bridge House, 1 Walnut Tree Close, Guilford GU1 4LZ
Highways England Company Limited registered in England and Wales number 09346363