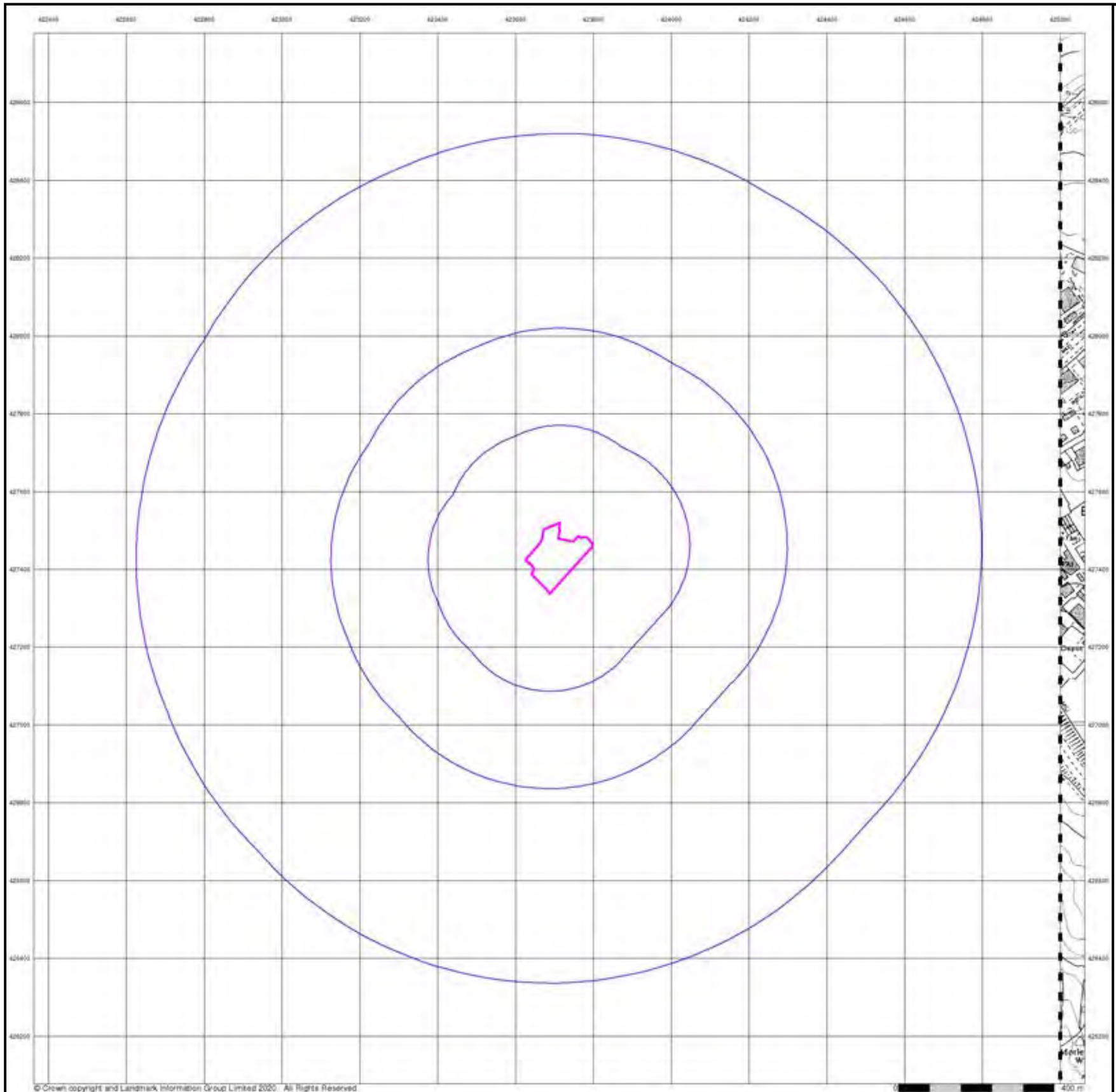


curtins

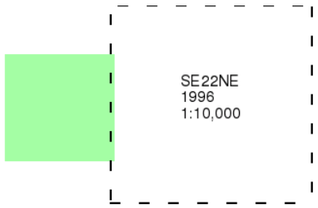
Ordnance Survey Plan

Published 1996

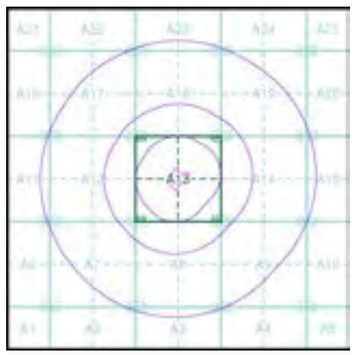
Source map scale - 1:10,000

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.

Map Name(s) and Date(s)



Historical Map - Slice A



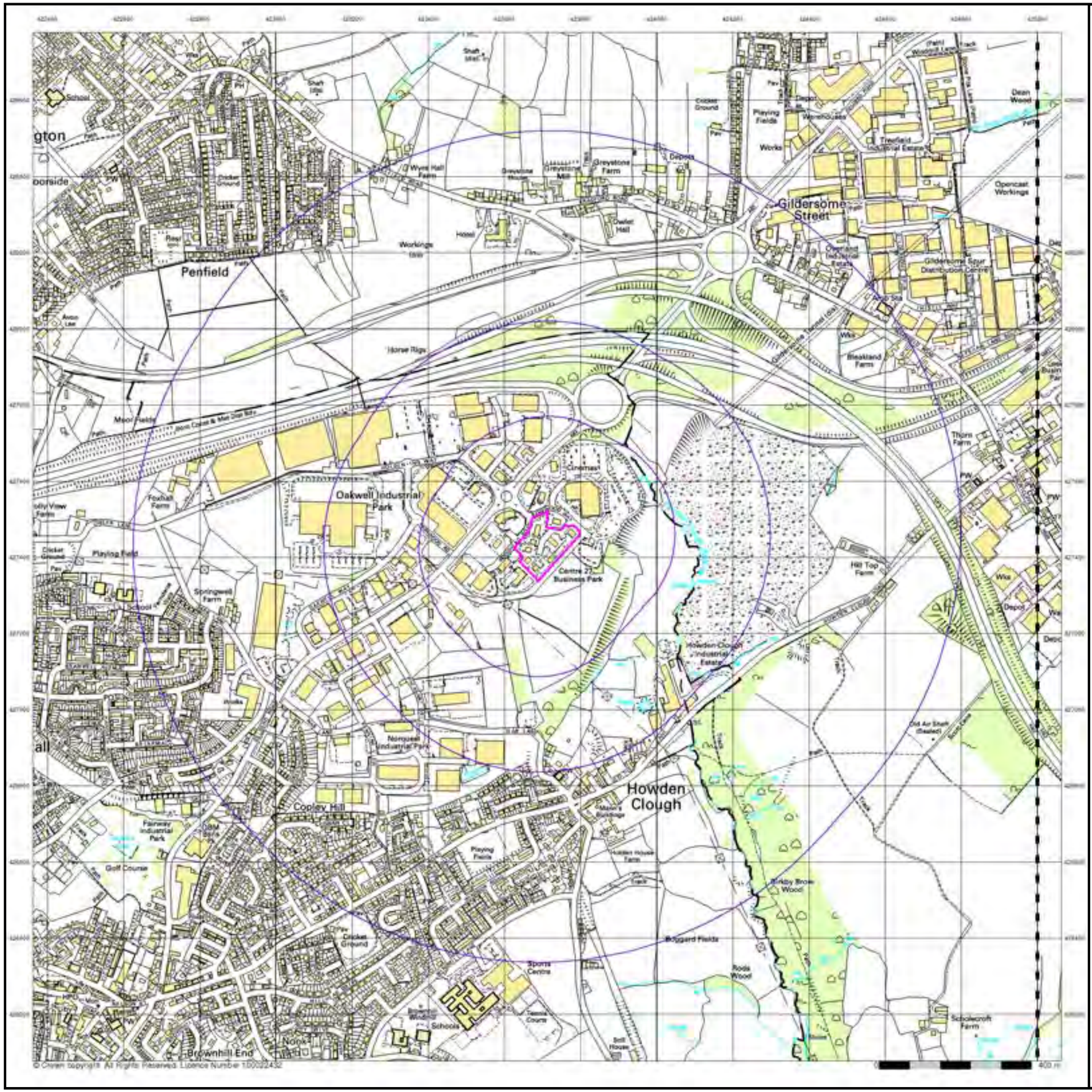
Order Details

Order Number:	259373929_1_1
Customer Ref:	076893 - Bankwood Way, Birstall
National Grid Reference:	423710, 427430
Slice:	A
Site Area (Ha):	1.51
Search Buffer (m):	1000

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB

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



curtins

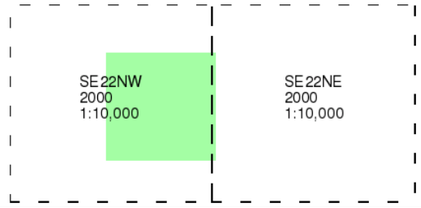
10k Raster Mapping

Published 2000

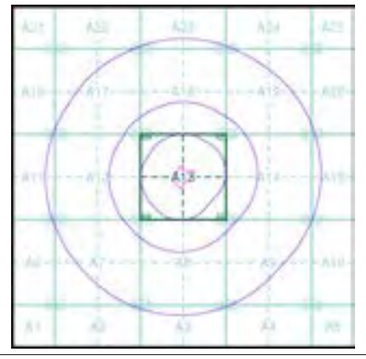
Source map scale - 1:10,000

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



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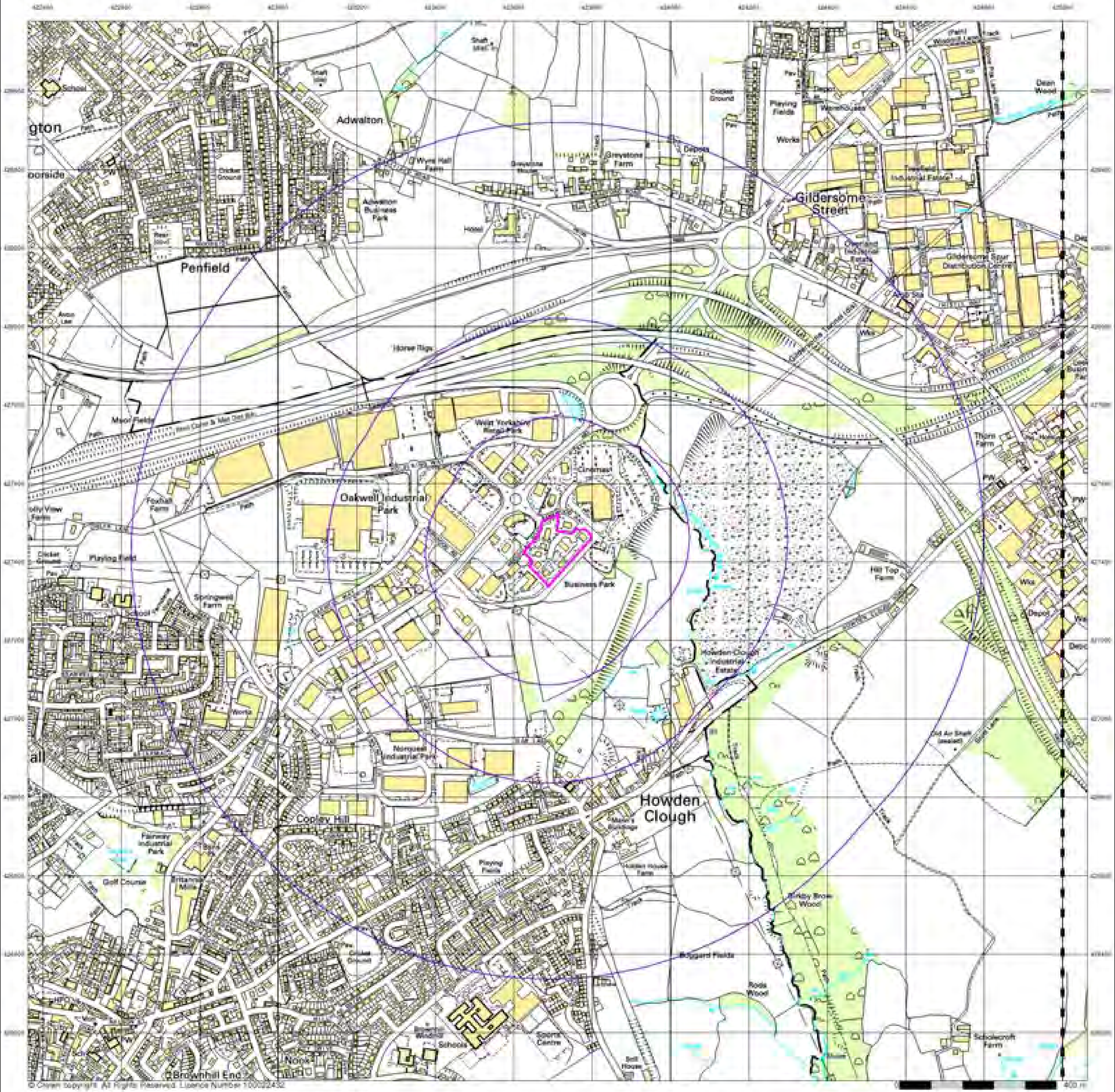

curtins

10k Raster Mapping

Published 2006

Source map scale - 1:10,000

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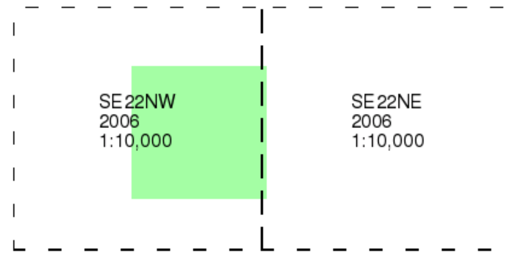
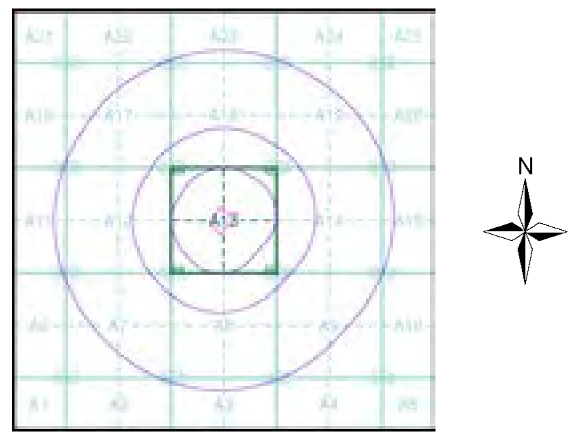
Map Name(s) and Date(s)



Historical Map - Slice A



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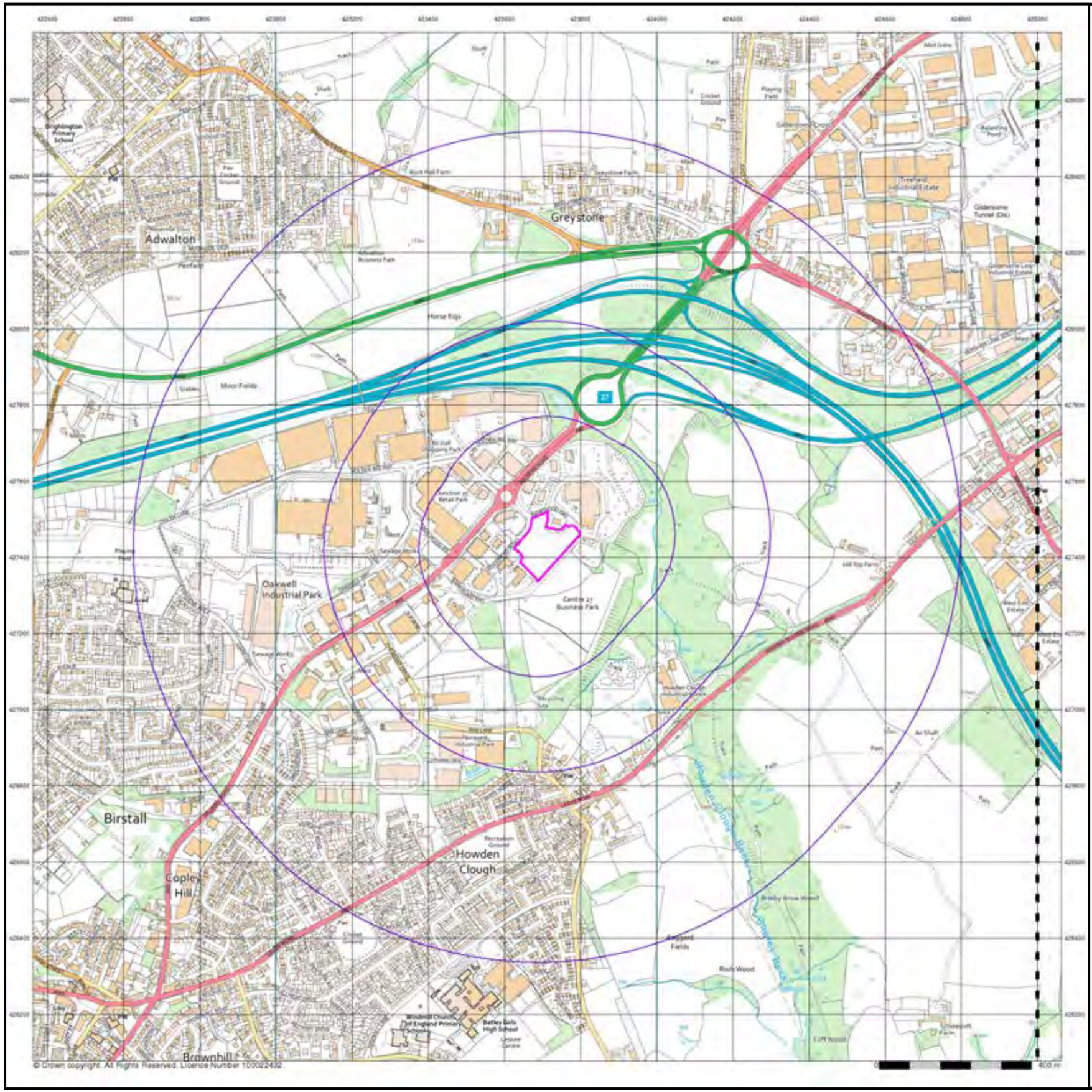


curtins

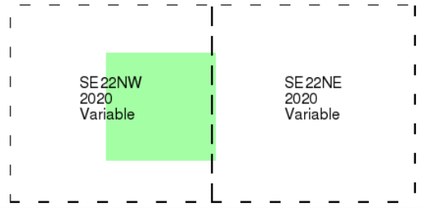
VectorMap Local

Published 2020

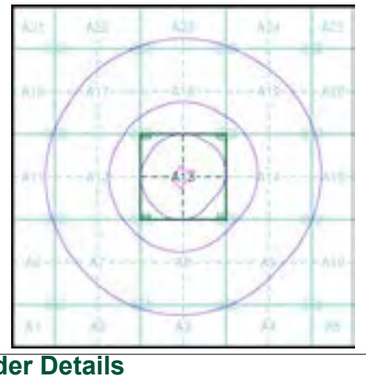
Source map scale - 1:10,000

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



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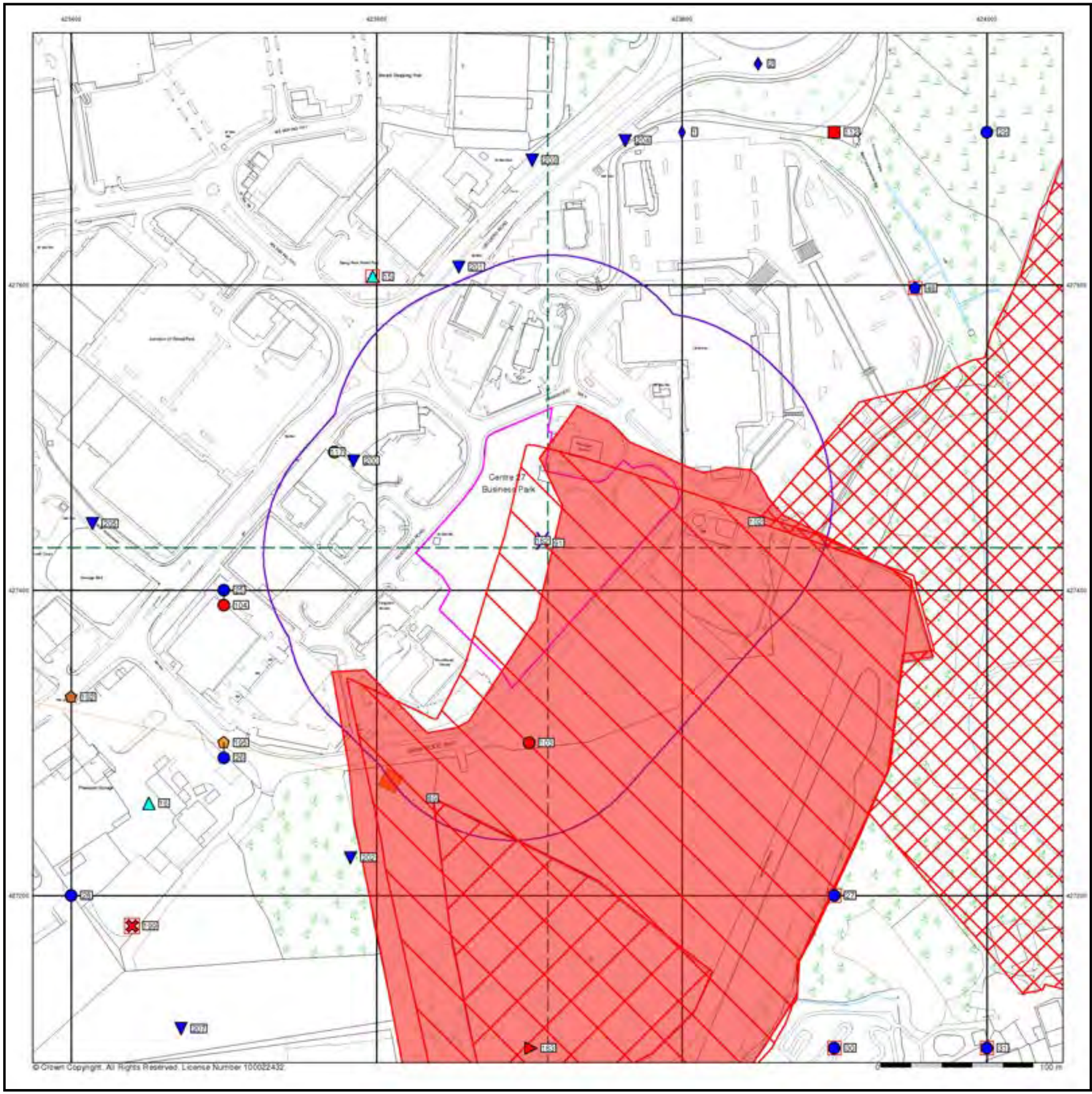


curtins

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
- 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

Hazardous Substances

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

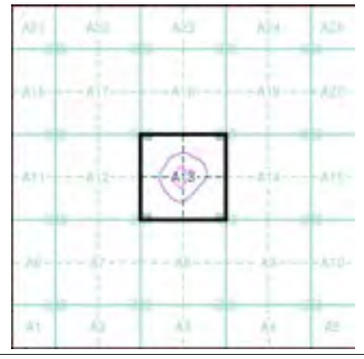
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- 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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- 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

Site Sensitivity Map - Segment A13



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Order Number:	259373929_1_1
Customer Ref:	076893 - Bankwood Way, Birstall
National Grid Reference:	423710, 427430
Slice:	A
Site Area (Ha):	1.51
Plot Buffer (m):	100

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB

Landmark INFORMATION GROUP
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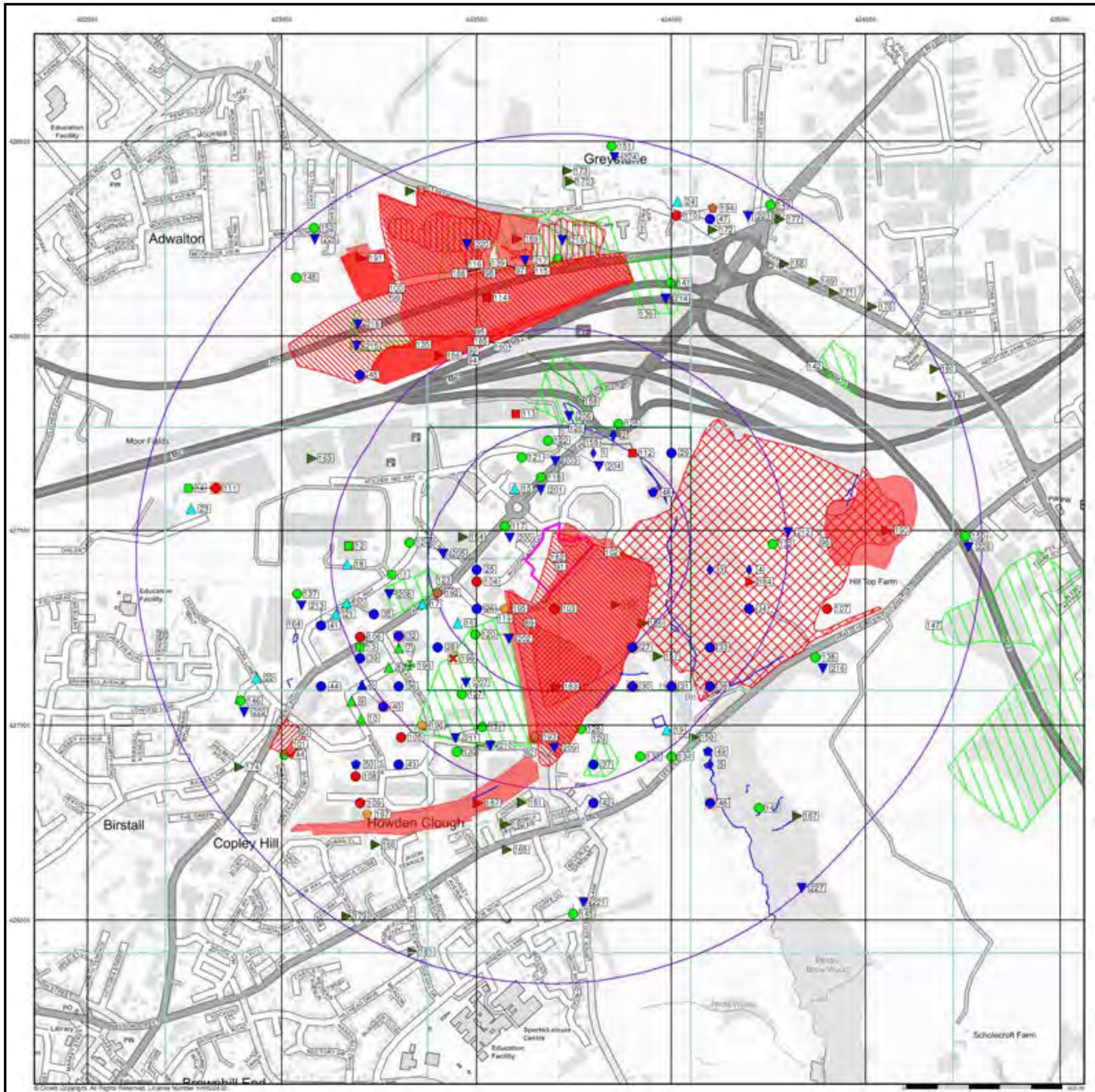

curtins

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)
- 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
- 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

Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

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- EA Historic Landfill (Buffered Point)
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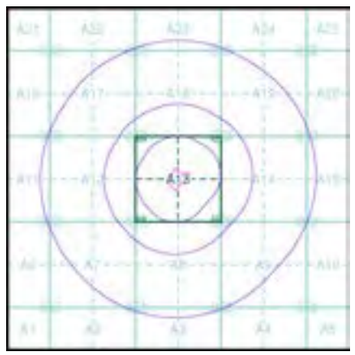
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



Order Details

Order Number:	259373929_1_1
Customer Ref:	076893 - Bankwood Way, Birstall
National Grid Reference:	423710, 427430
Slice:	A
Site Area (Ha):	1.51
Search Buffer (m):	1000

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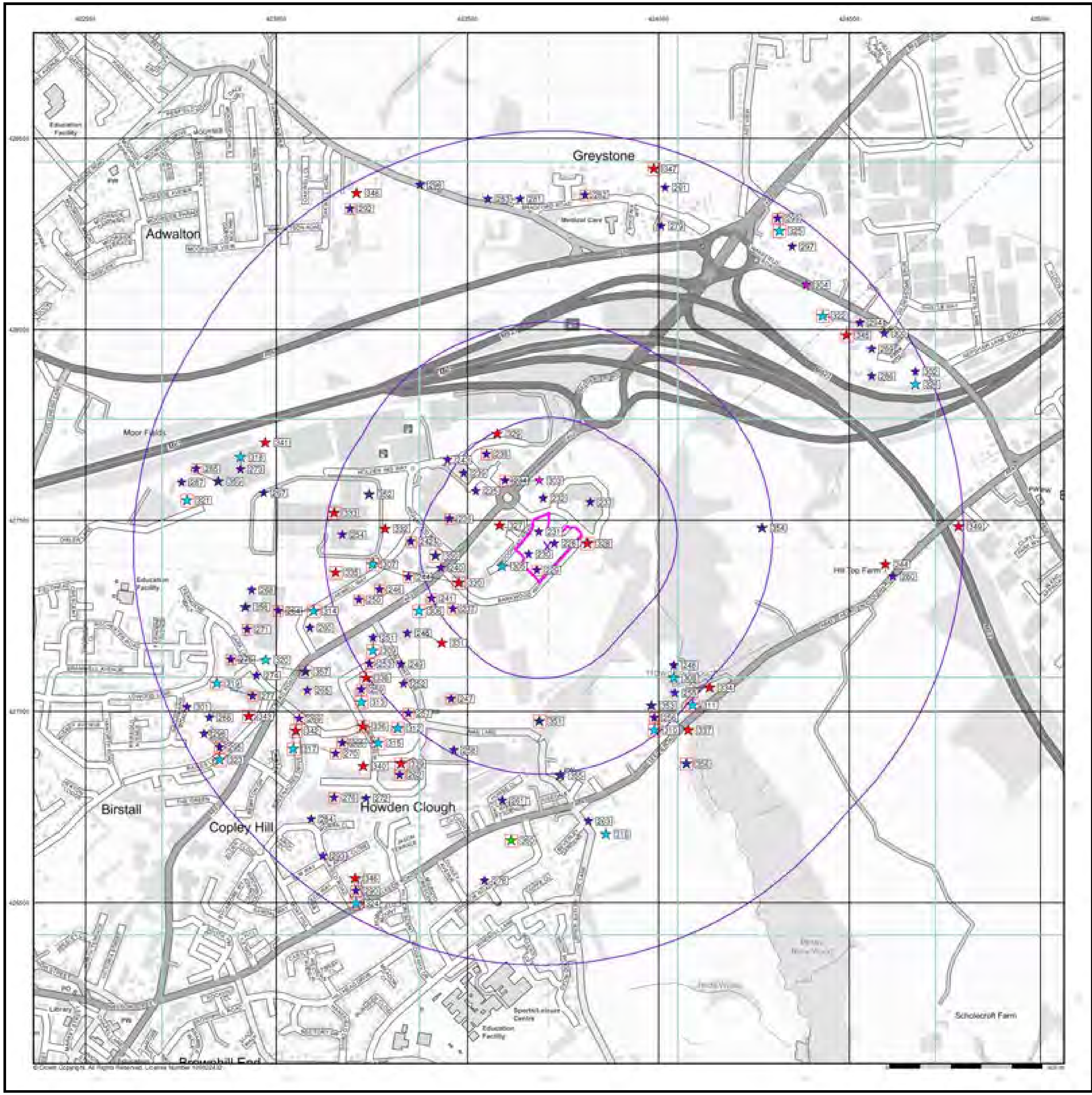


Industrial Land Use Map

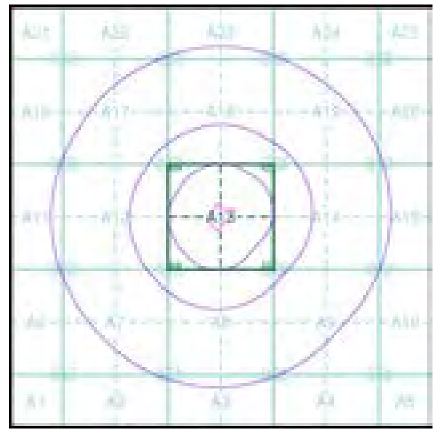
General

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



N

Order Details

Order Number: 259373929_1_1
Customer Ref: 076893 - Bankwood Way, Birstall
National Grid Reference: 423710, 427430
Slice: A
Site Area (Ha): 1.51
Search Buffer (m): 1000

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB

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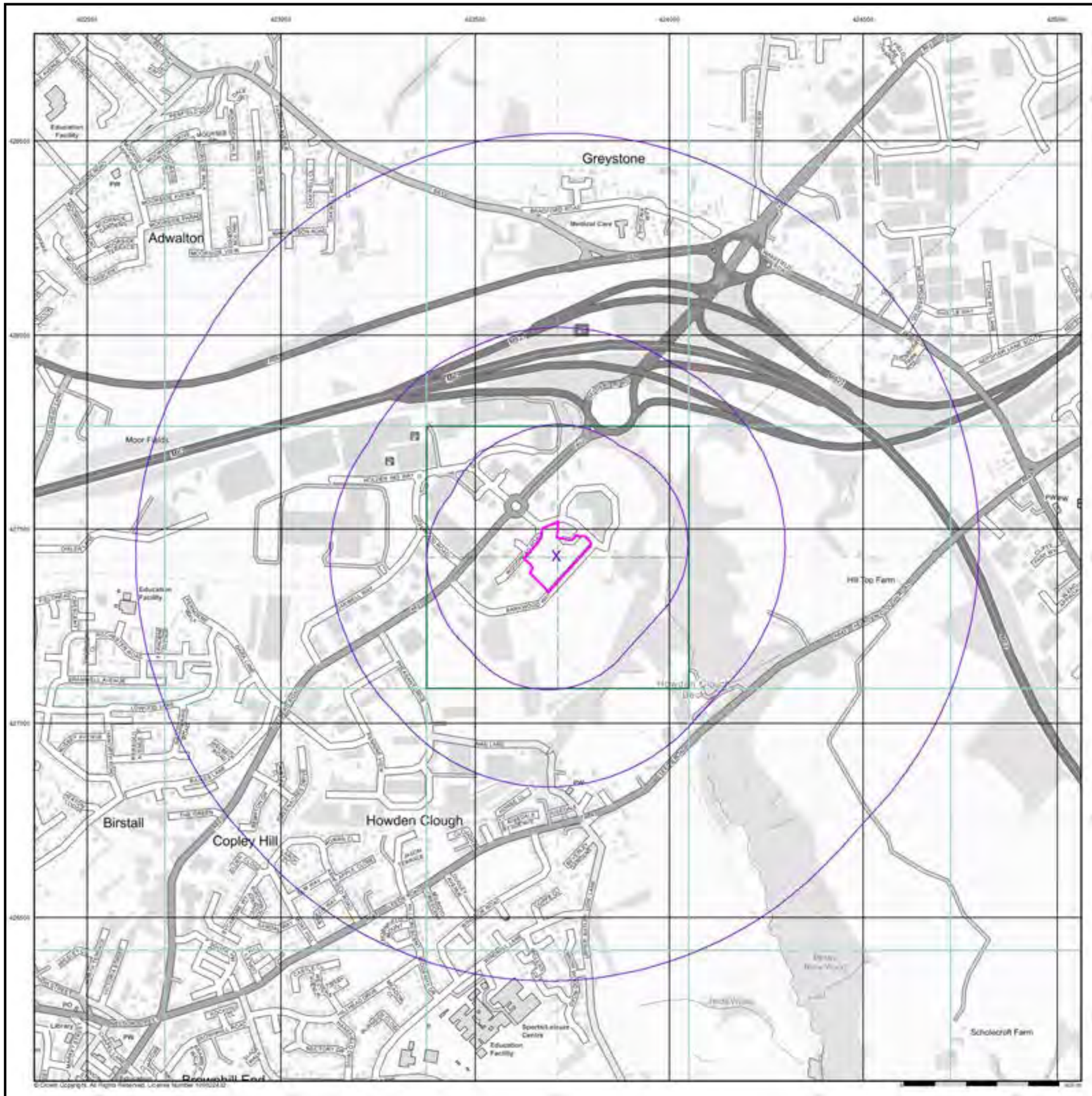


curtins

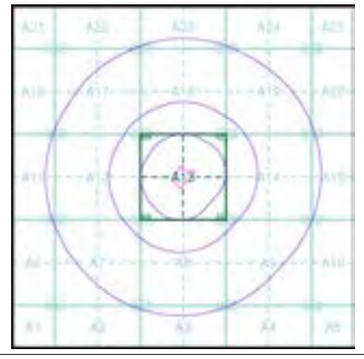
General

- Specified Site
- Specified Buffer(s)
- X 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



N

Order Details

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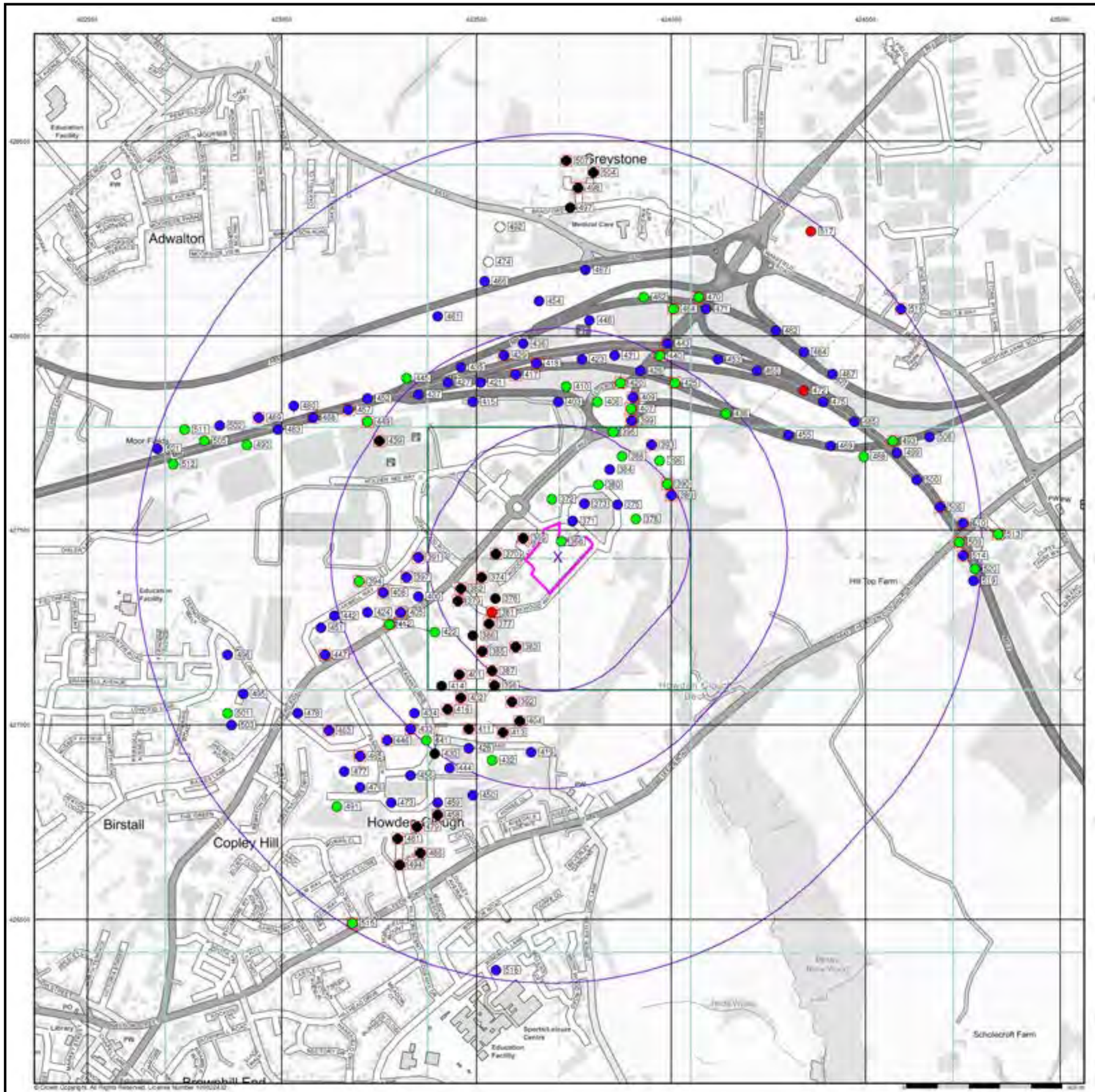


curtins

General

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

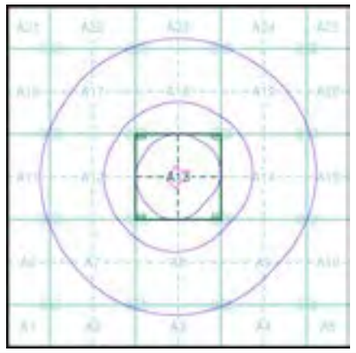
Agency and Hydrological (Boreholes)

- 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 A



Order Details

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Search Buffer (m):	1000

Site Details

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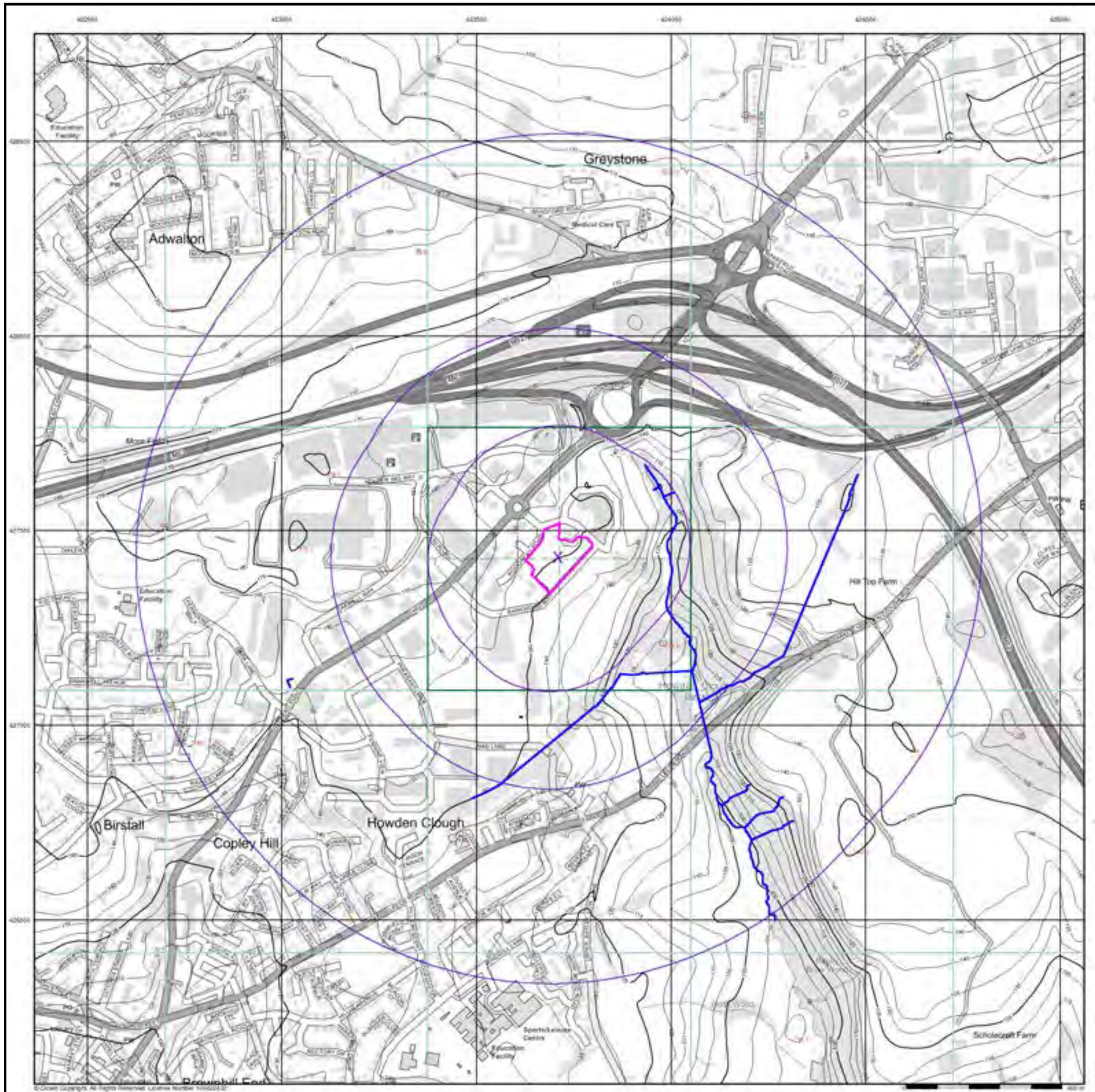


curtins

General

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

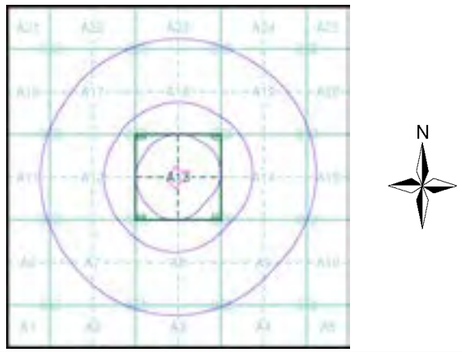
OS Water Network Data

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

Contours (height in meters)

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

OS Water Network Map - Slice A



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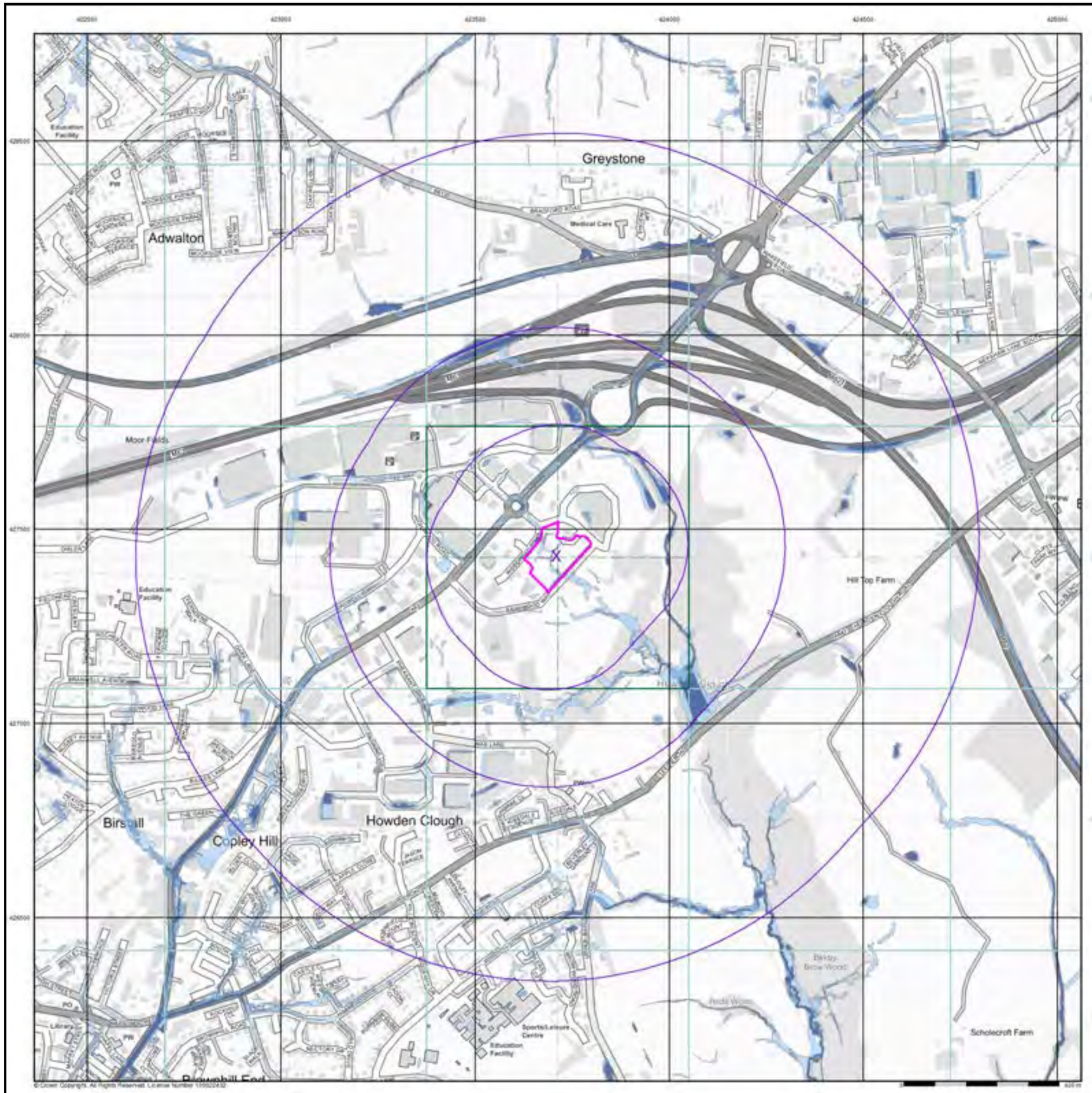


curtins

General

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

Risk of Flooding from Surface Water

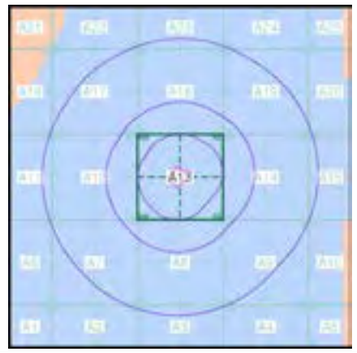
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



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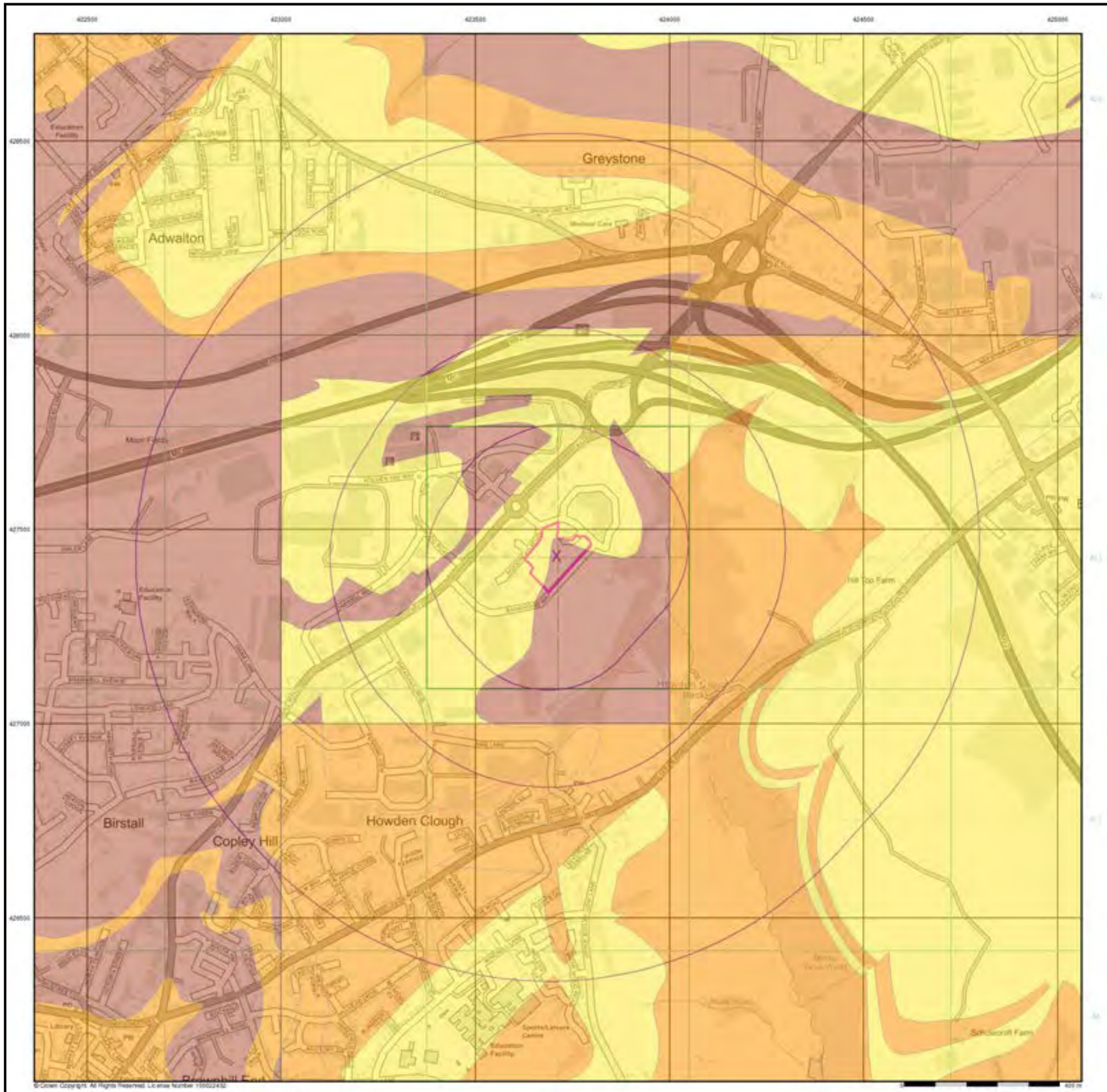


curtins

General

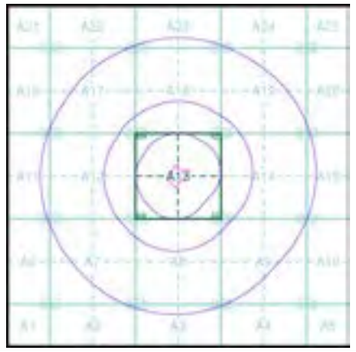
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

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

Estimated Soil Chemistry Arsenic - Slice A



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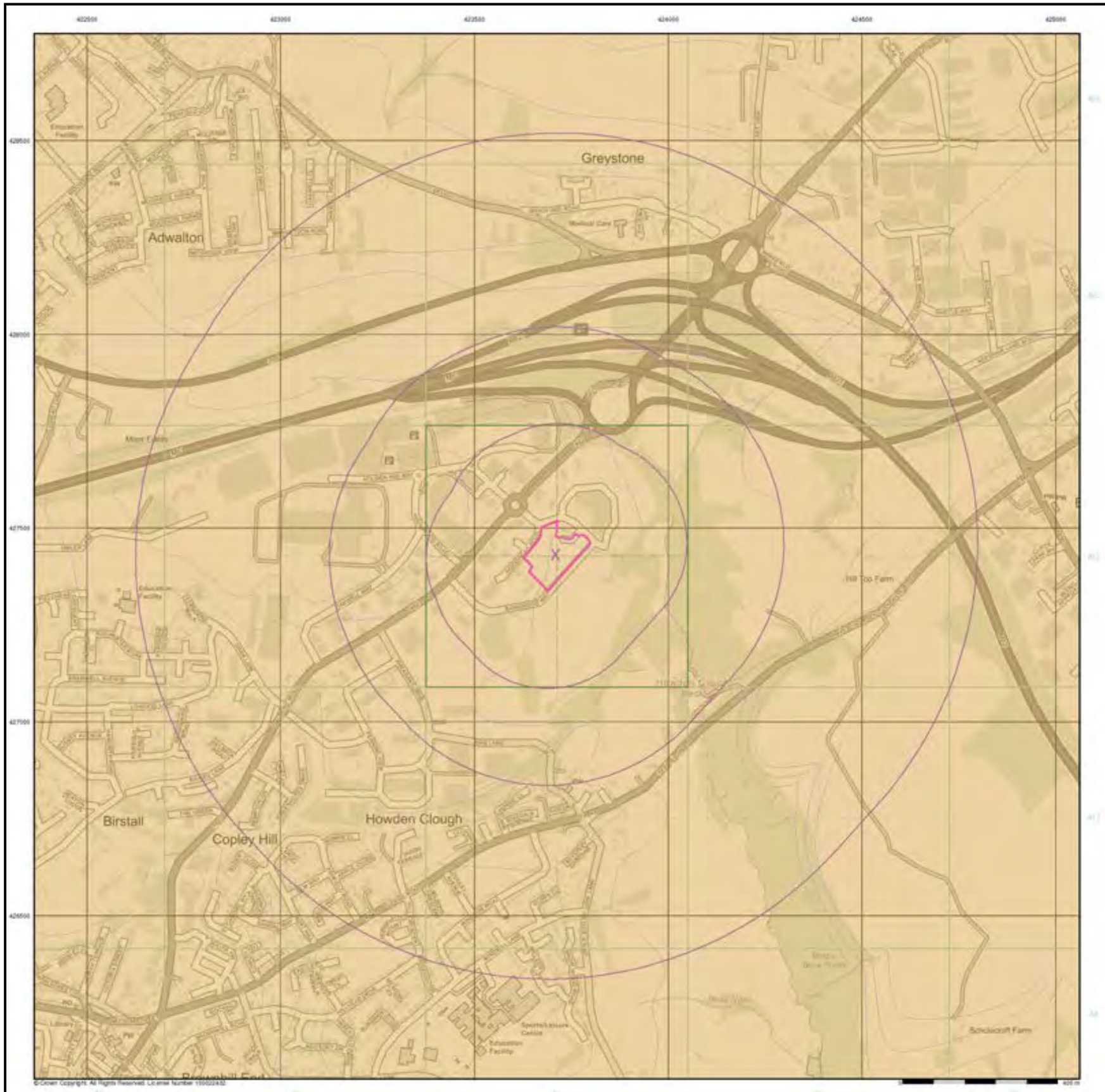


curtins

General

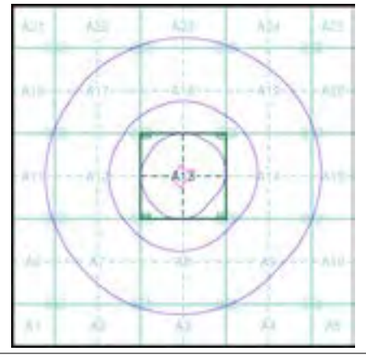
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



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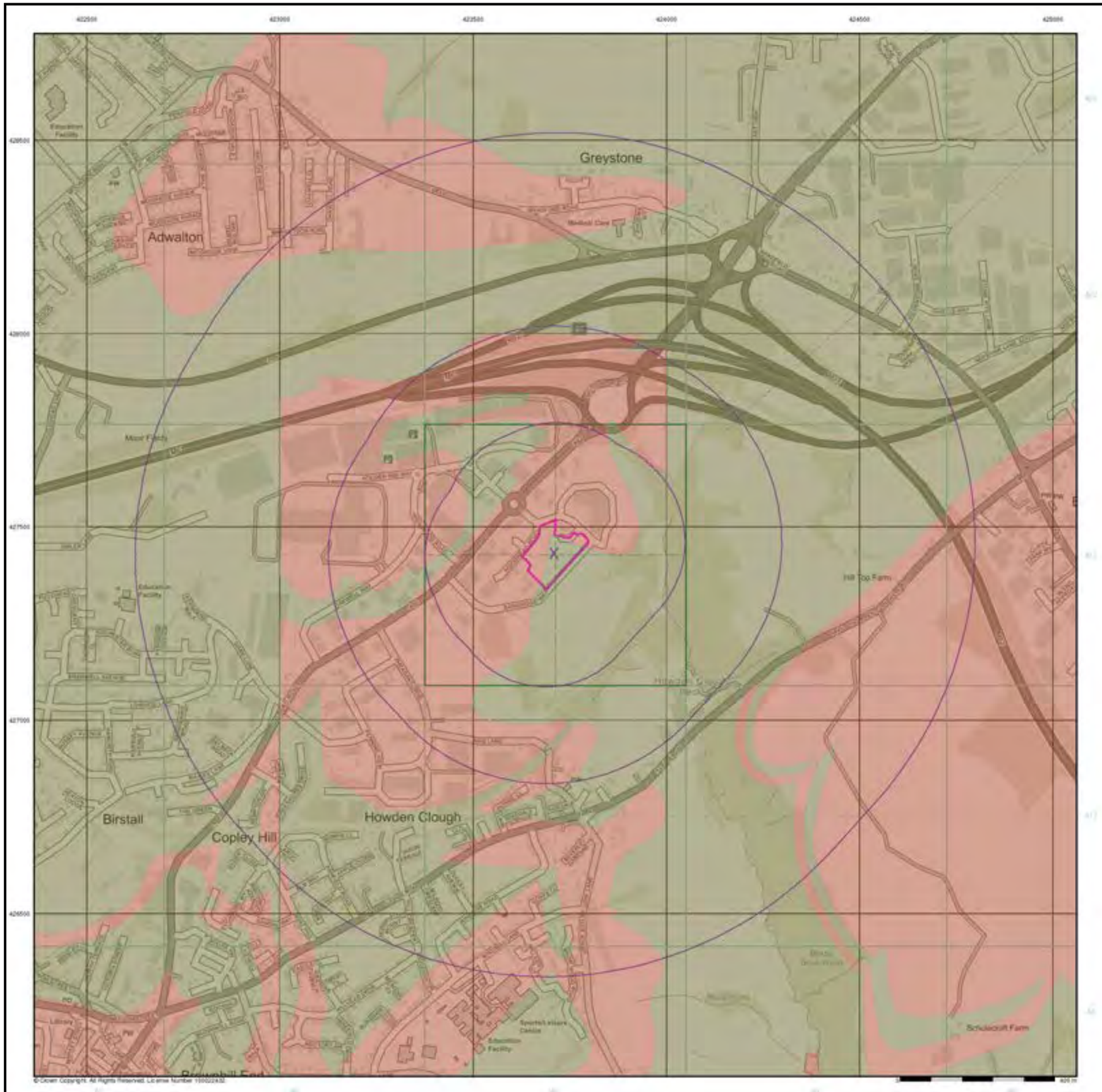
National Grid Reference:	423710, 427430
Slice:	A
Site Area (Ha):	1.51
Search Buffer (m):	1000

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB

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



curtins

General

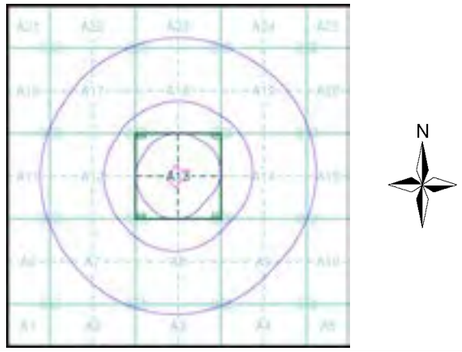
Specified Site Specified Buffer(s) X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details:	259373929_1_1
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National Grid Reference:	423710, 427430
Slice:	A
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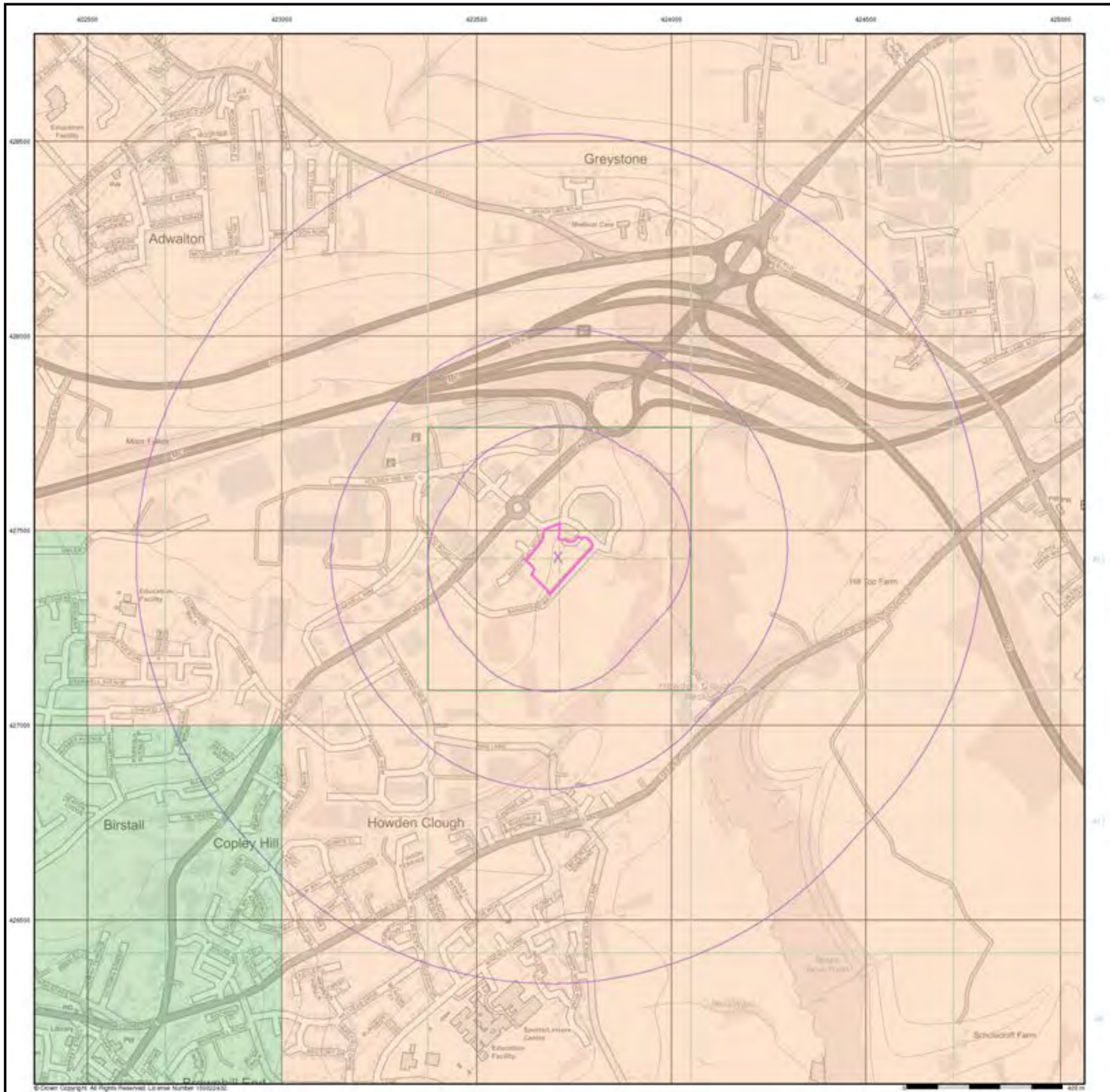


curtins

General

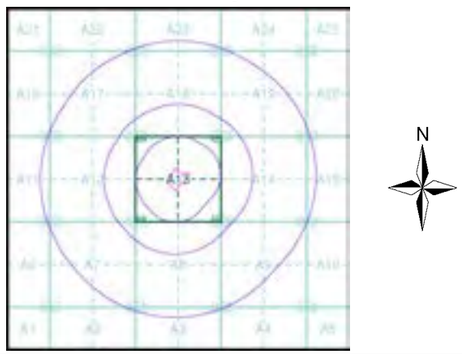
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

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

Estimated Soil Chemistry Lead - Slice A



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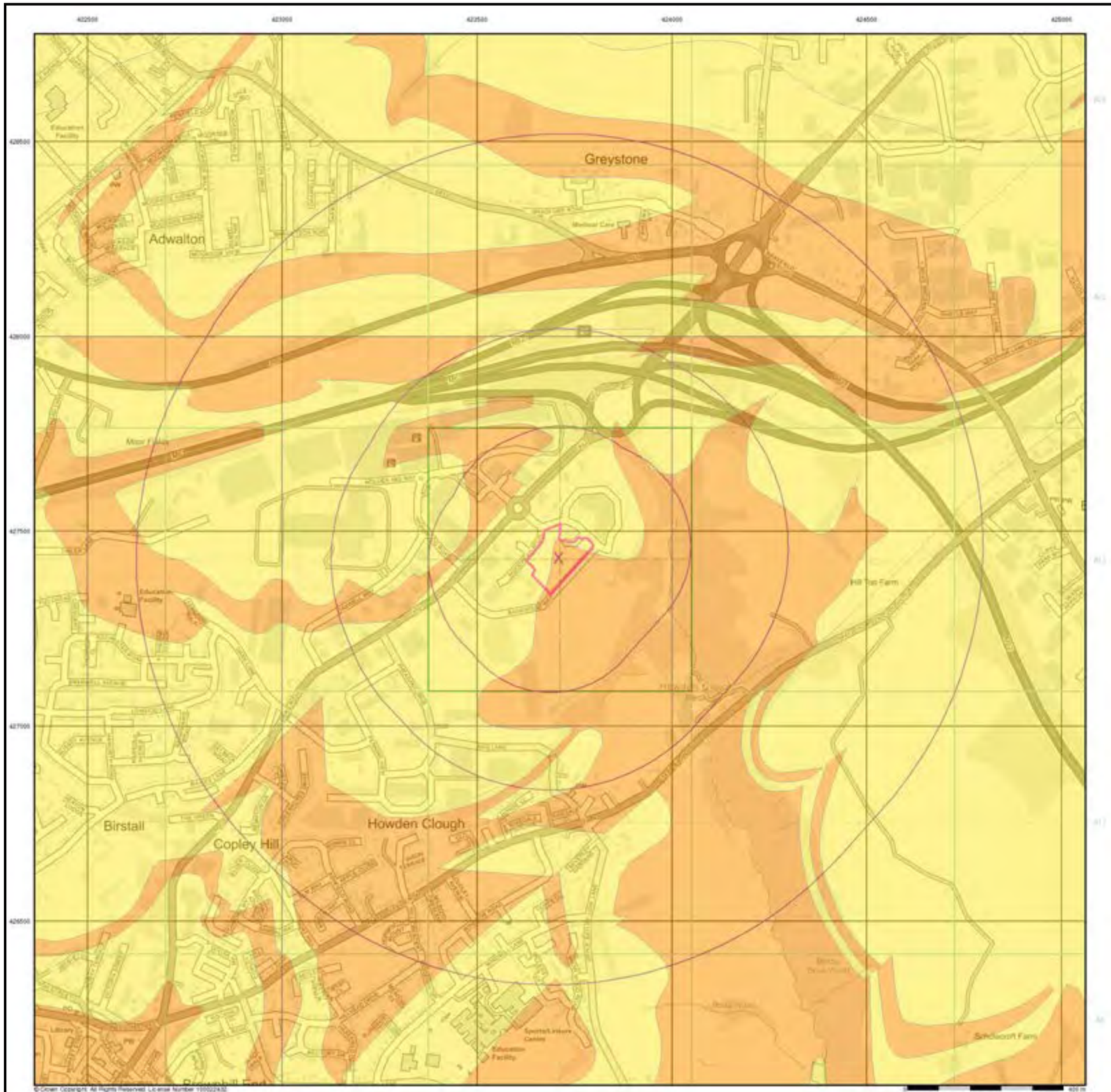


curtins

General

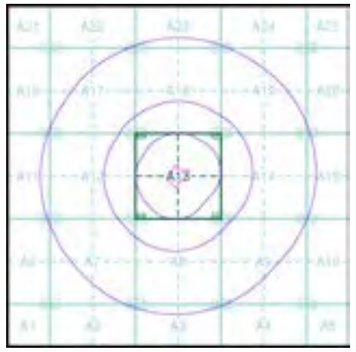
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



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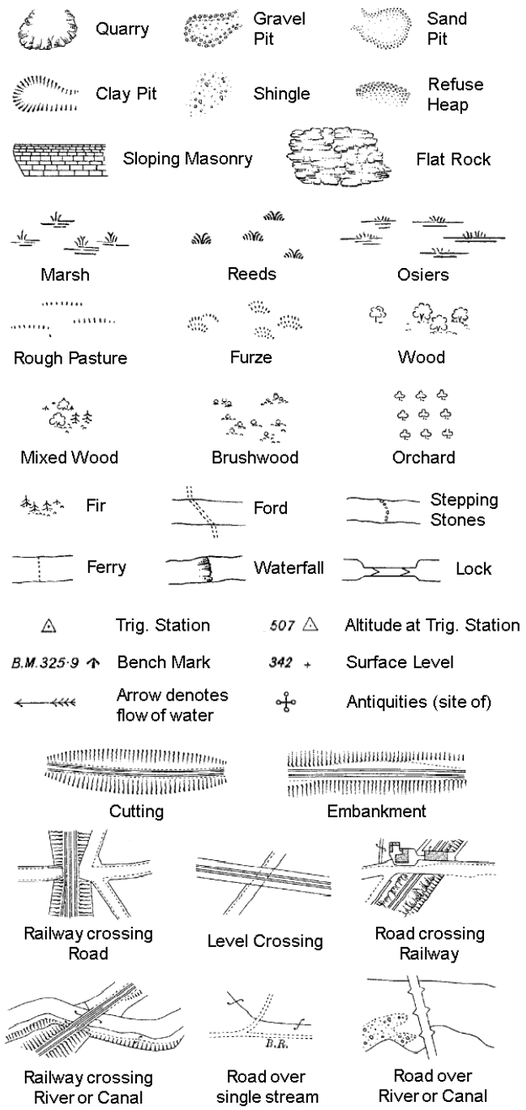
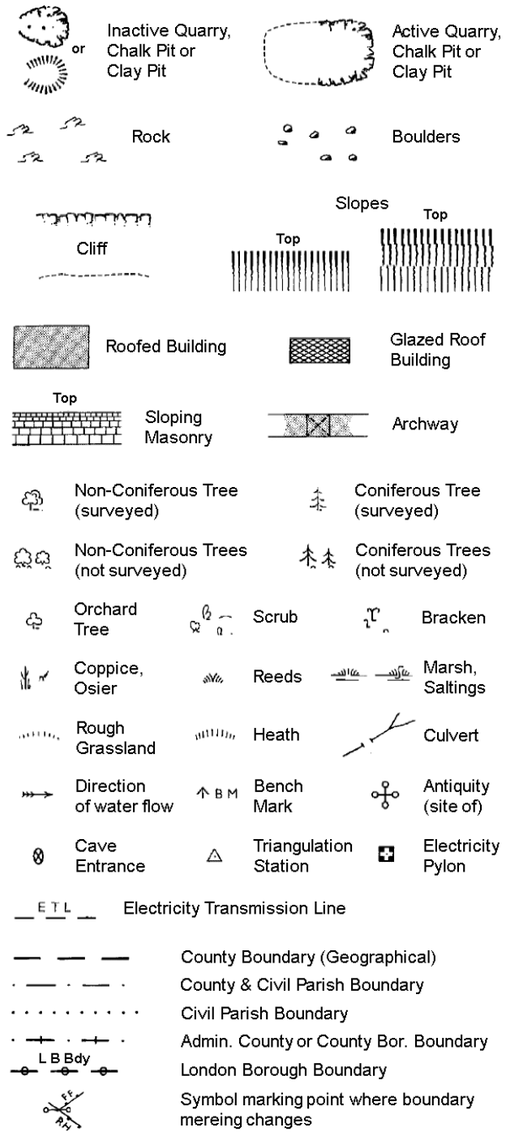
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



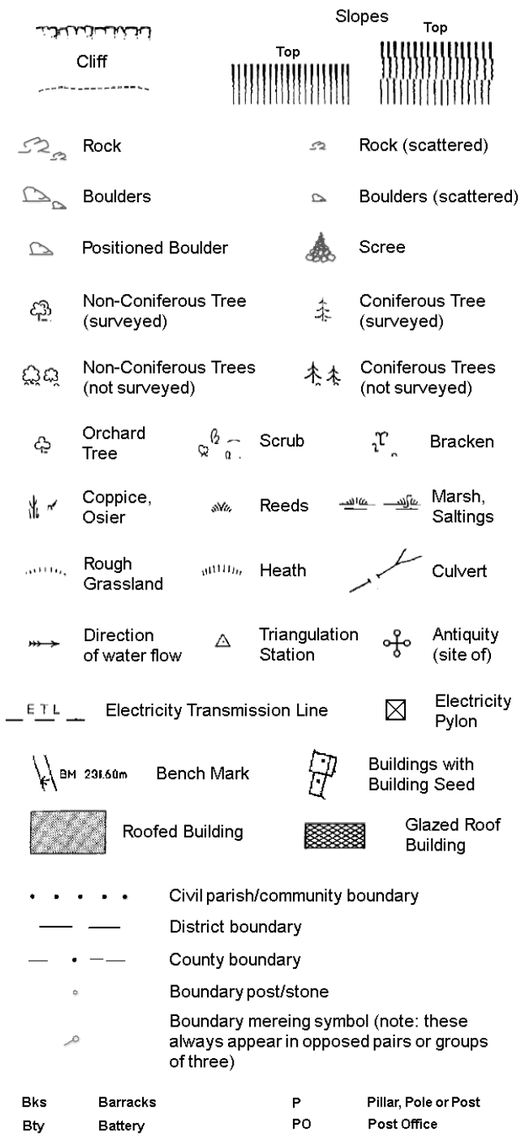
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



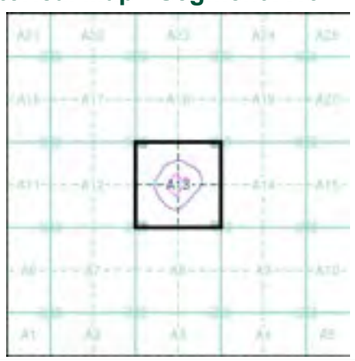
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	2
Yorkshire	1:2,500	1907	3
Yorkshire	1:2,500	1922	4
Yorkshire	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1956	6
Additional SIMs	1:2,500	1956 - 1987	7
Ordnance Survey Plan	1:1,250	1971	8
Supply of Unpublished Survey Information	1:2,500	1973 - 1974	9
Ordnance Survey Plan	1:2,500	1974 - 1976	10
Supply of Unpublished Survey Information	1:2,500	1974	11
Supply of Unpublished Survey Information	1:2,500	1974	12
Additional SIMs	1:2,500	1976 - 1988	13
Additional SIMs	1:2,500	1985 - 1990	14
Additional SIMs	1:1,250	1987 - 1992	15
Additional SIMs	1:1,250	1988	16
Additional SIMs	1:2,500	1989	17
Additional SIMs	1:1,250	1991	18
Ordnance Survey Plan	1:1,250	1992	19
Large-Scale National Grid Data	1:2,500	1993	20
Large-Scale National Grid Data	1:1,250	1993	21
Large-Scale National Grid Data	1:1,250	1994 - 1995	22
Large-Scale National Grid Data	1:1,250	1996	23
Historical Aerial Photography	1:2,500	1999	24

Historical Map - Segment A13



Order Details

Order Number: 259373929_1_1
Customer Ref: 076893 - Bankwood Way, Birstall
National Grid Reference: 423710, 427430
Slice: A
Site Area (Ha): 1.51
Search Buffer (m): 100

Site Details

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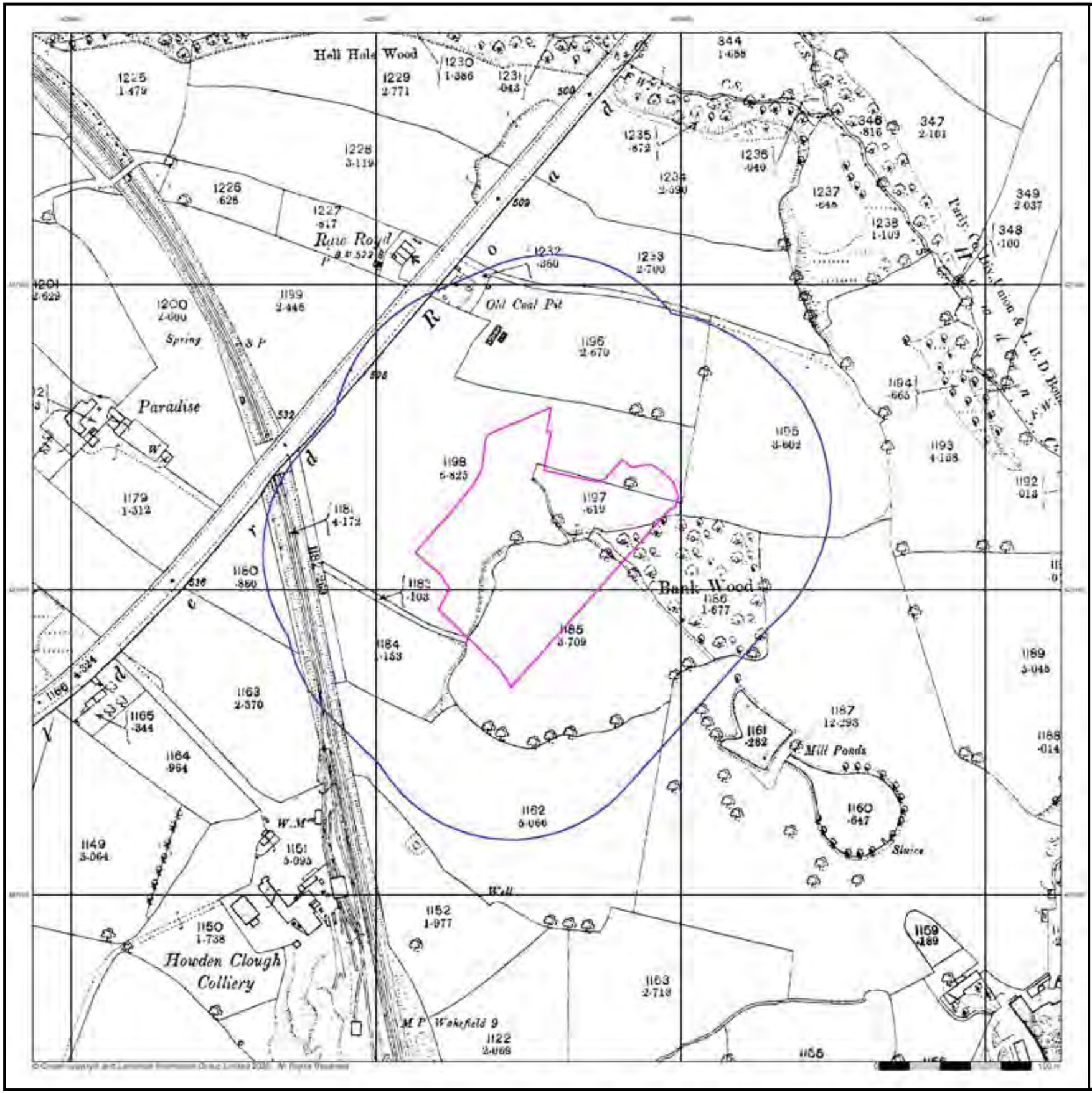


curtins

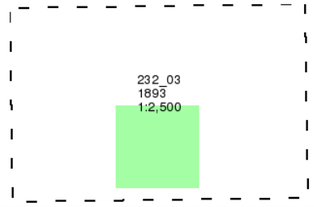
Yorkshire

Published 1893

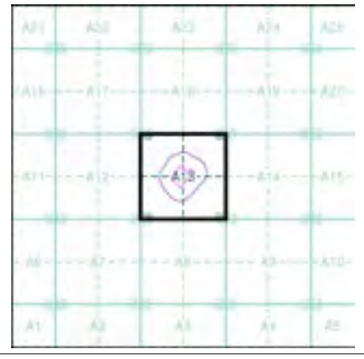
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



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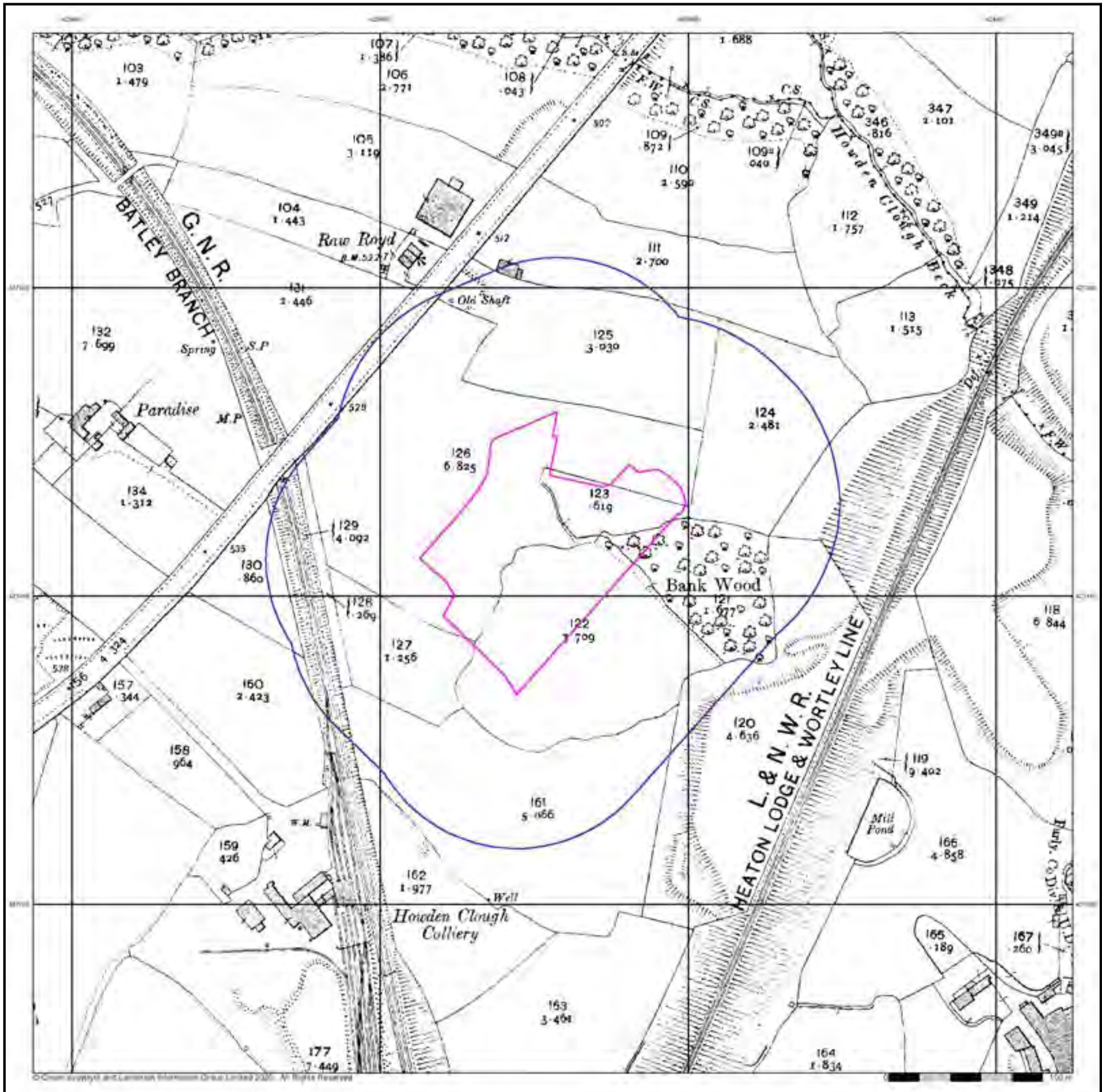
Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB



curtins

Yorkshire

Published 1907

Source map scale - 1:2,500

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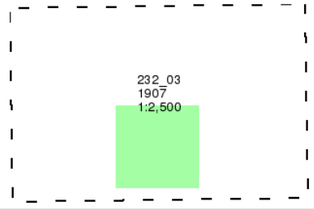
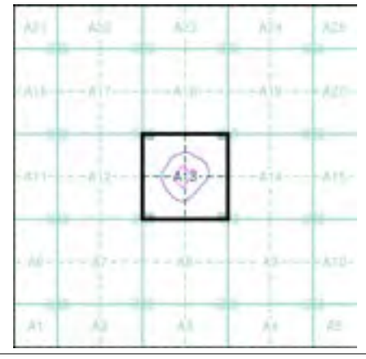
Map Name(s) and Date(s)



Historical Map - Segment A13



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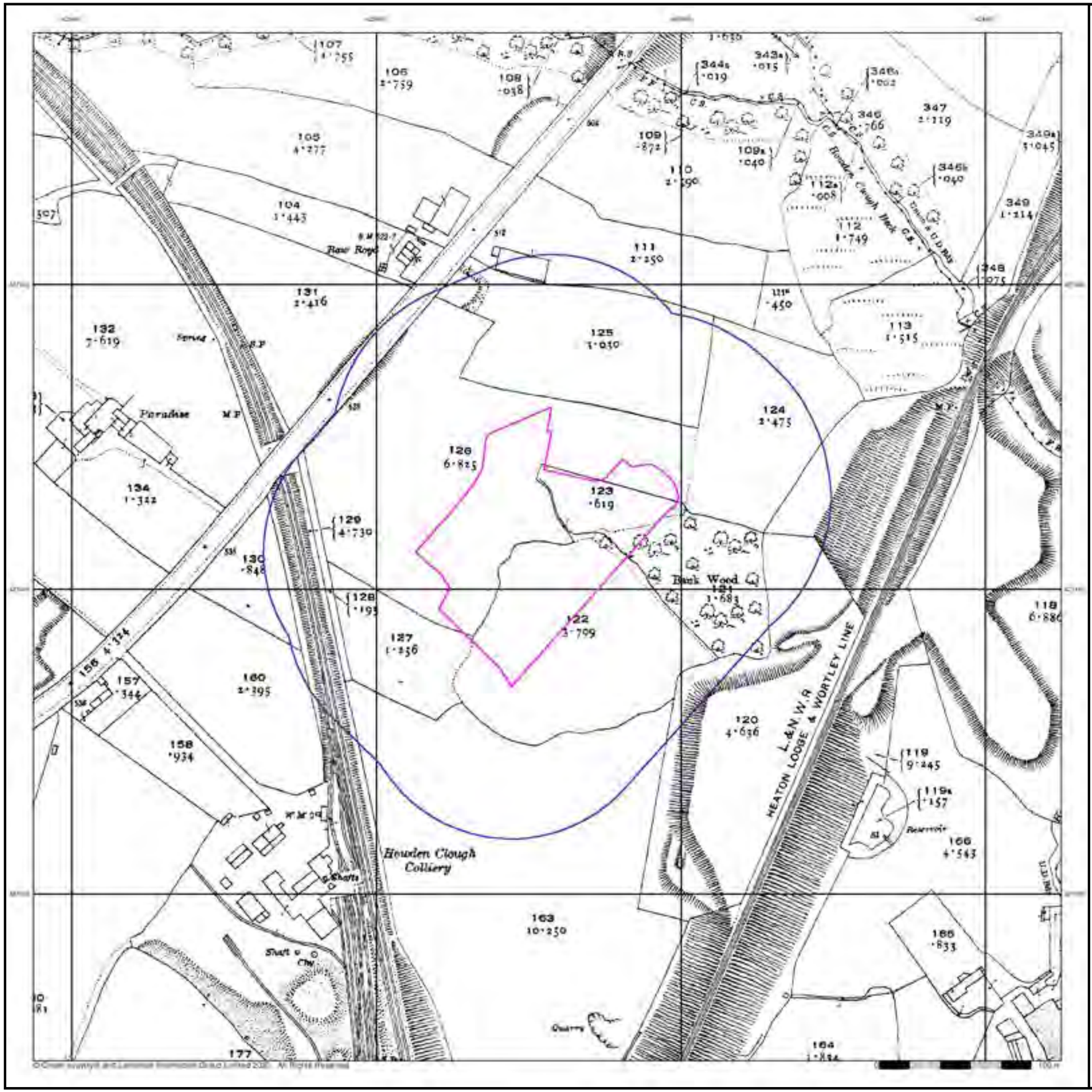
Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB



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Yorkshire

Published 1922

Source map scale - 1:2,500

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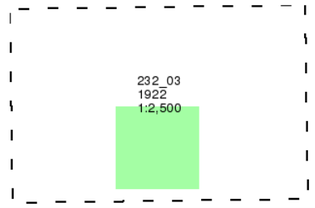
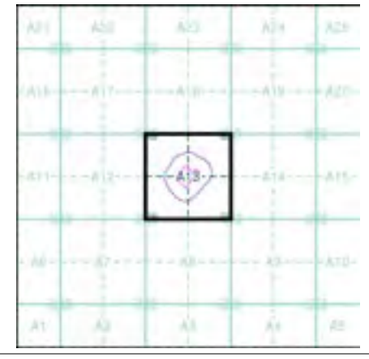


Historical Map - Segment A13



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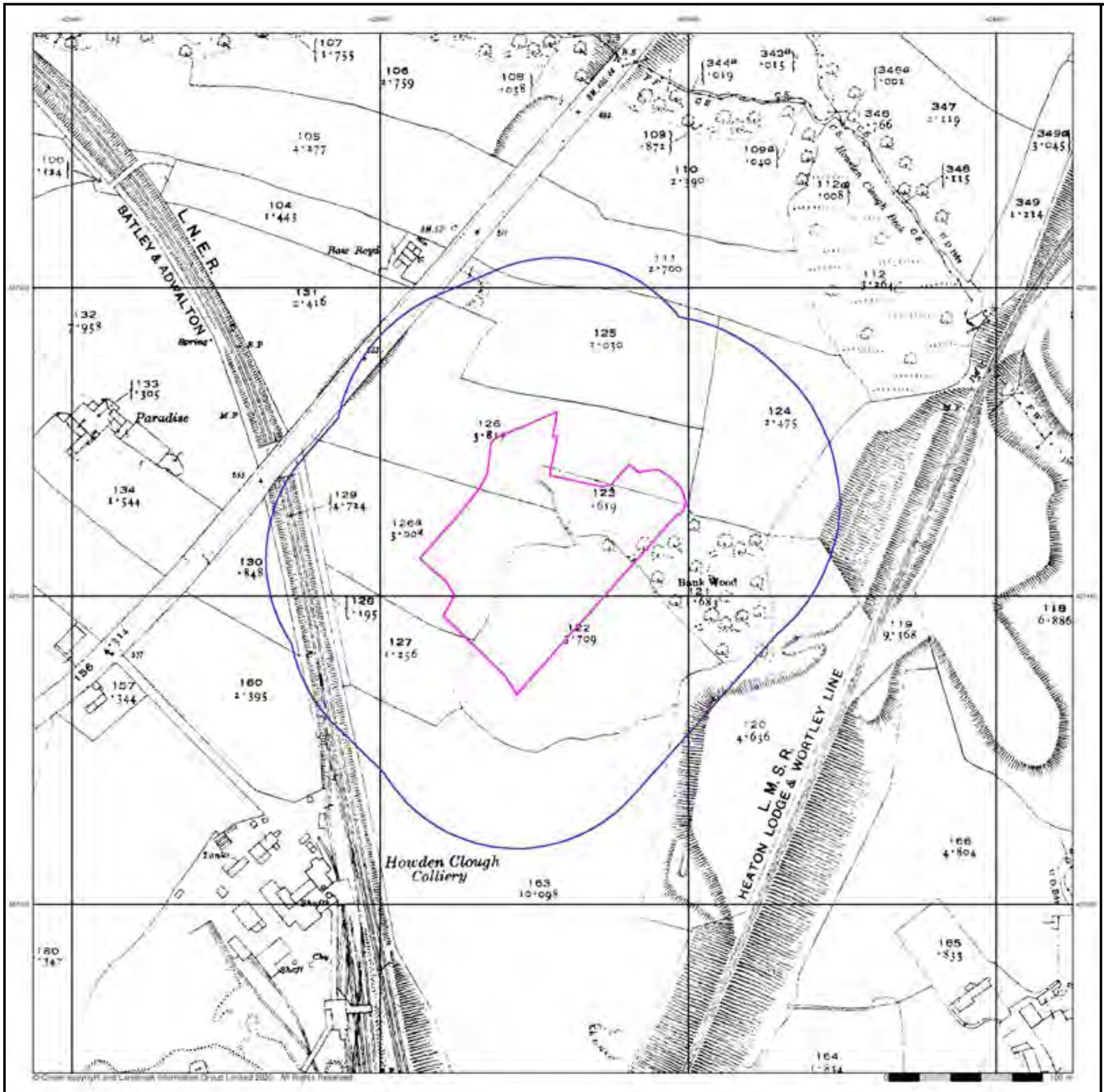

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Yorkshire

Published 1938

Source map scale - 1:2,500

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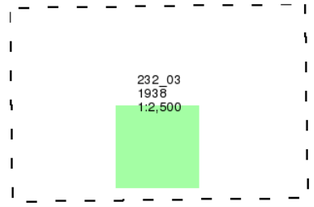
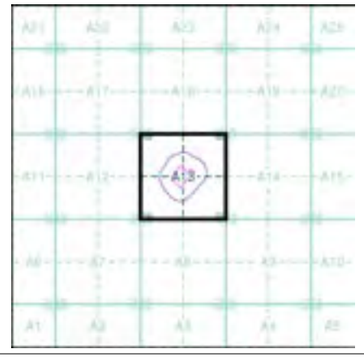


Historical Map - Segment A13



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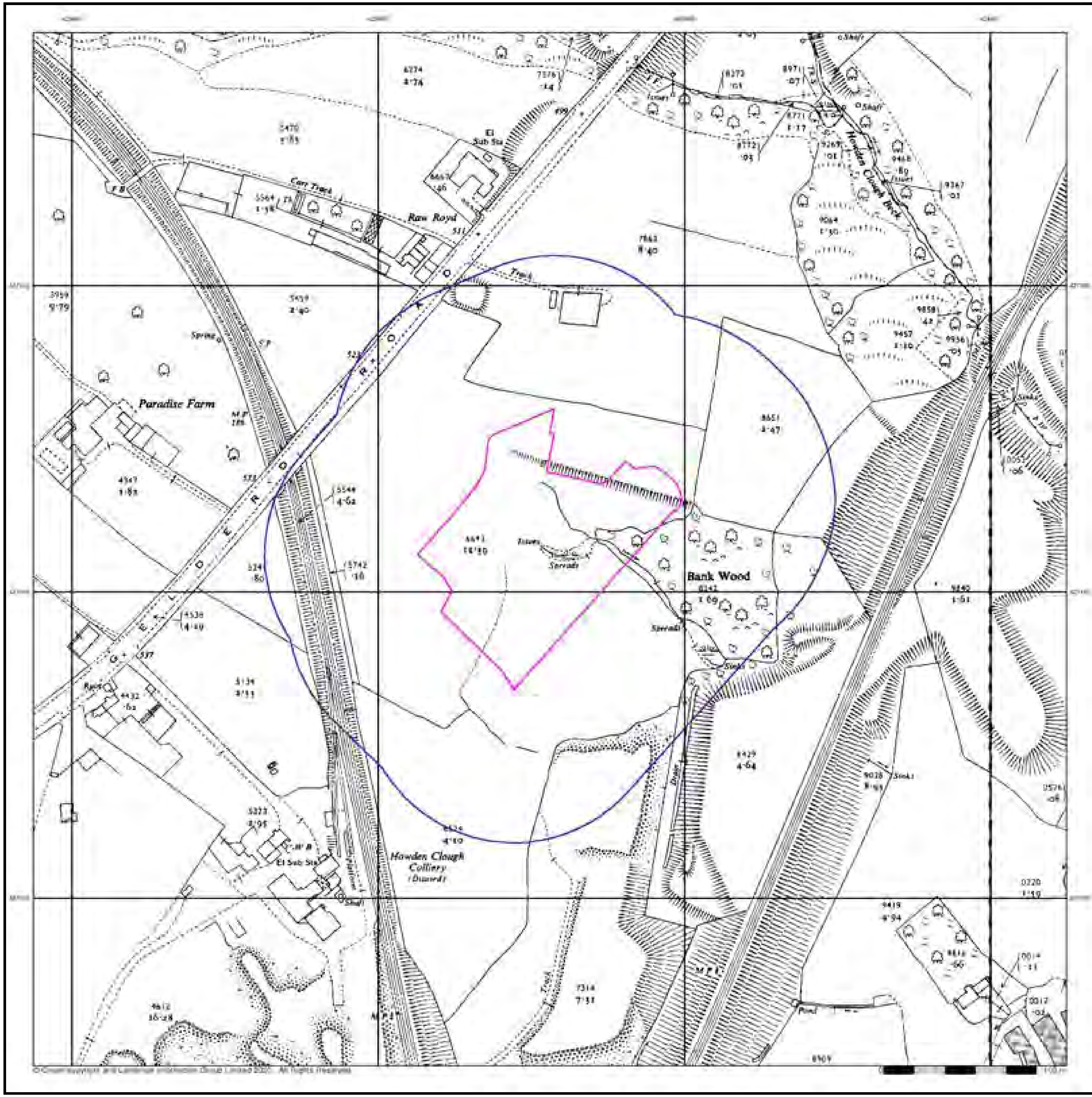

Ordnance Survey Plan

Published 1956

Source map scale - 1:2,500

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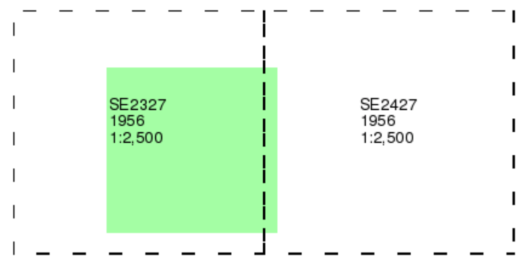
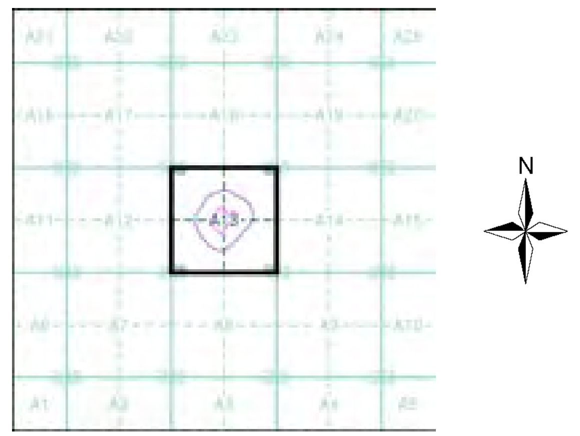


Historical Map - Segment A13



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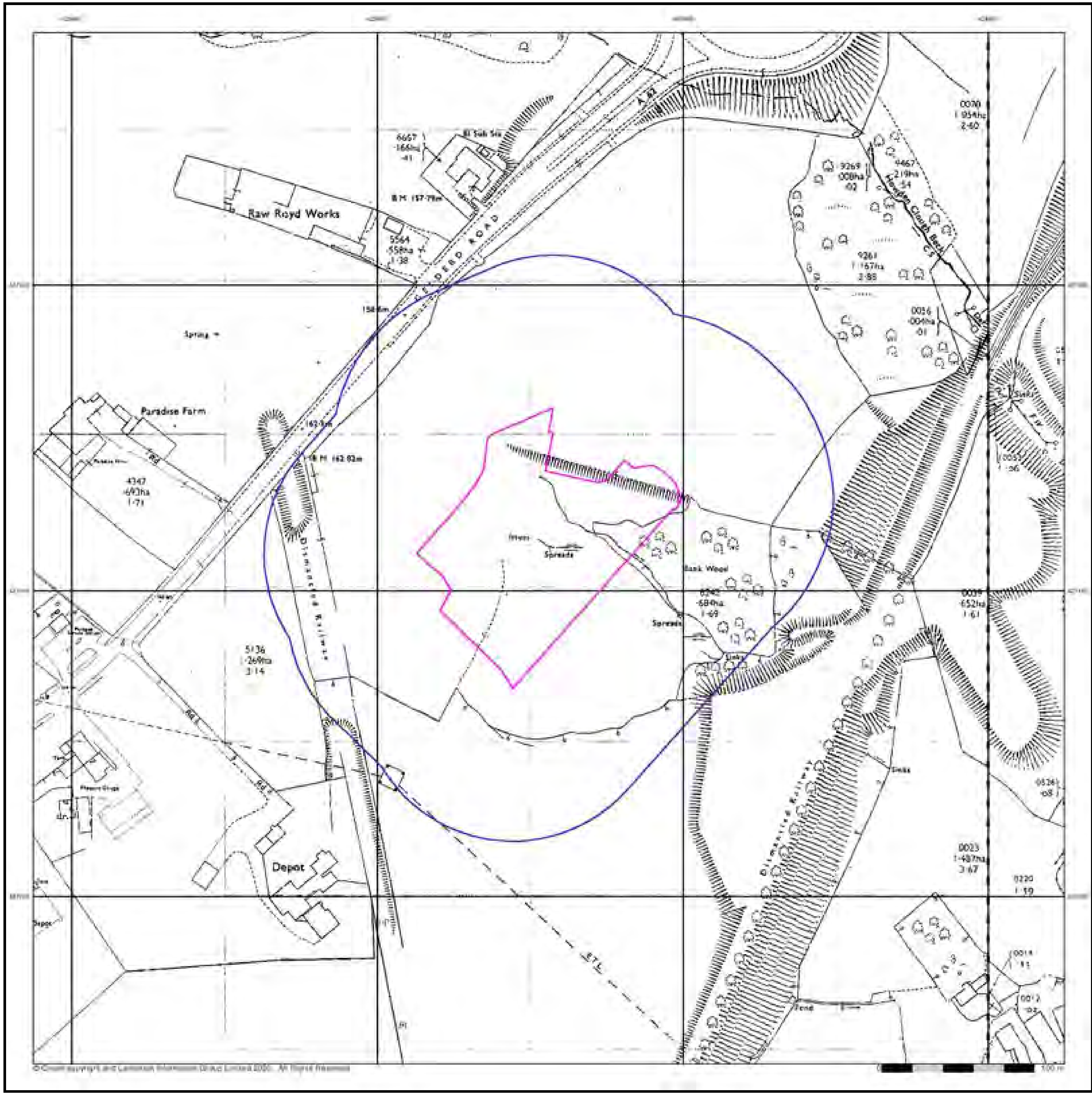


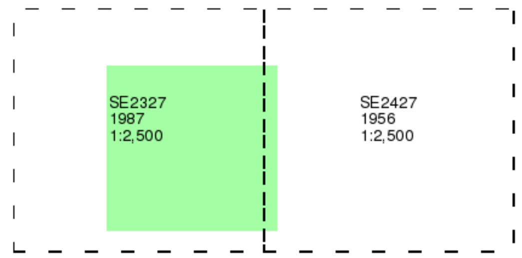
Additional SIMs

Published 1956 - 1987

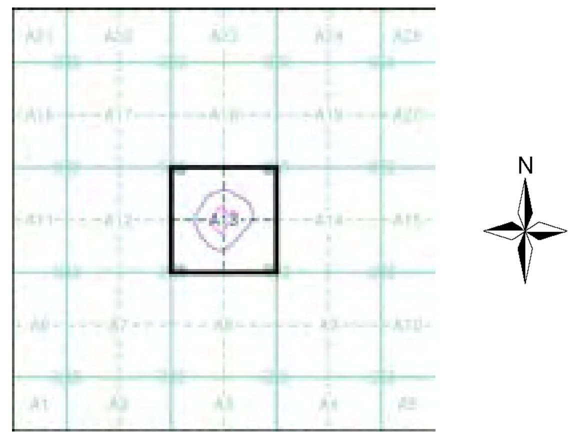
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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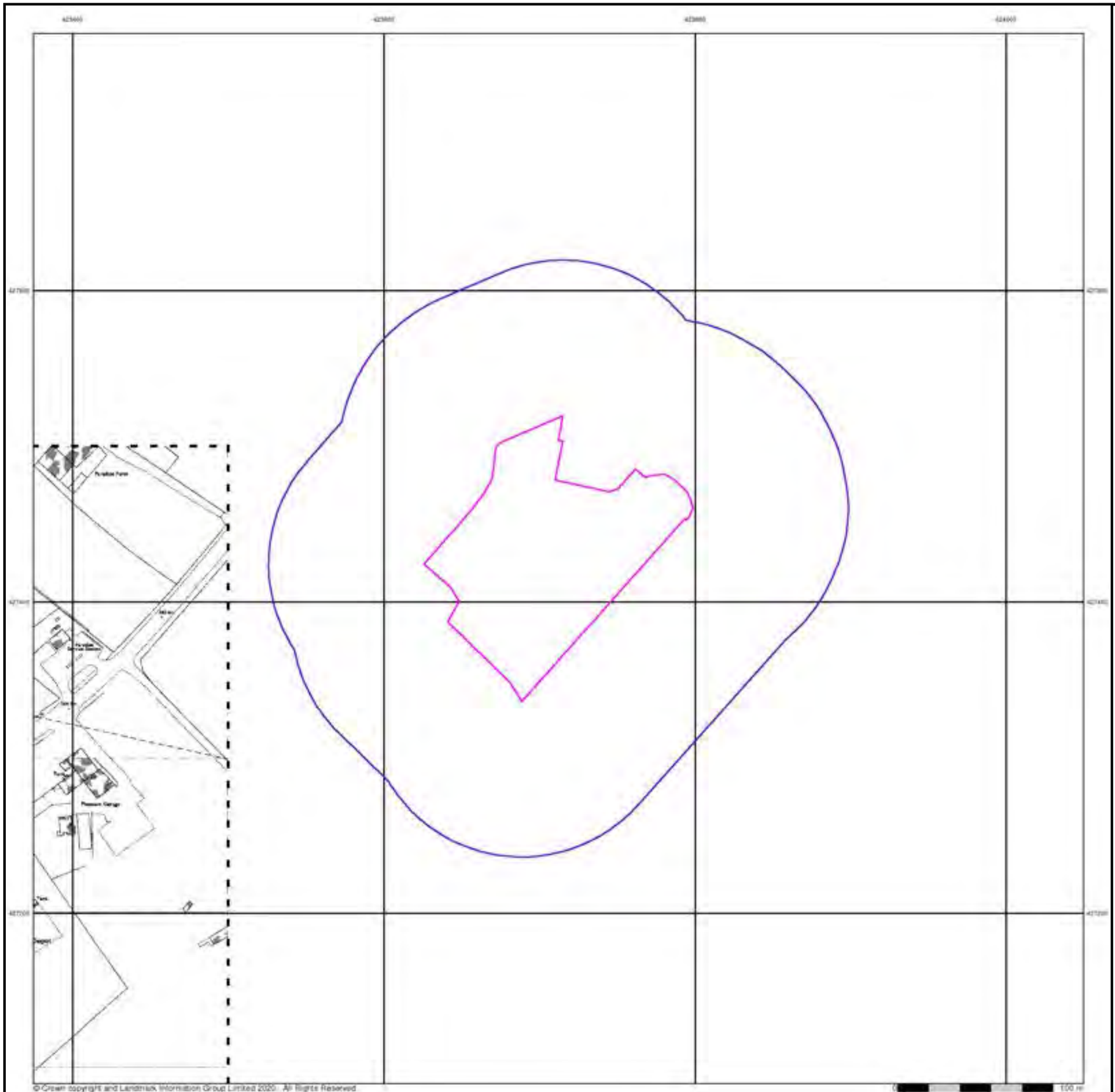


curtins

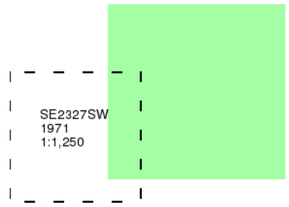
Ordnance Survey Plan

Published 1971

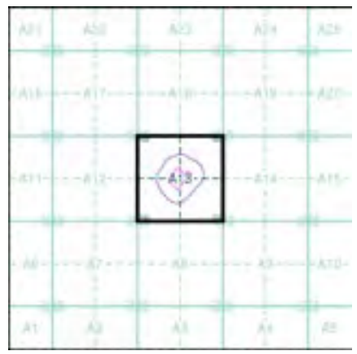
Source map scale - 1:1,250

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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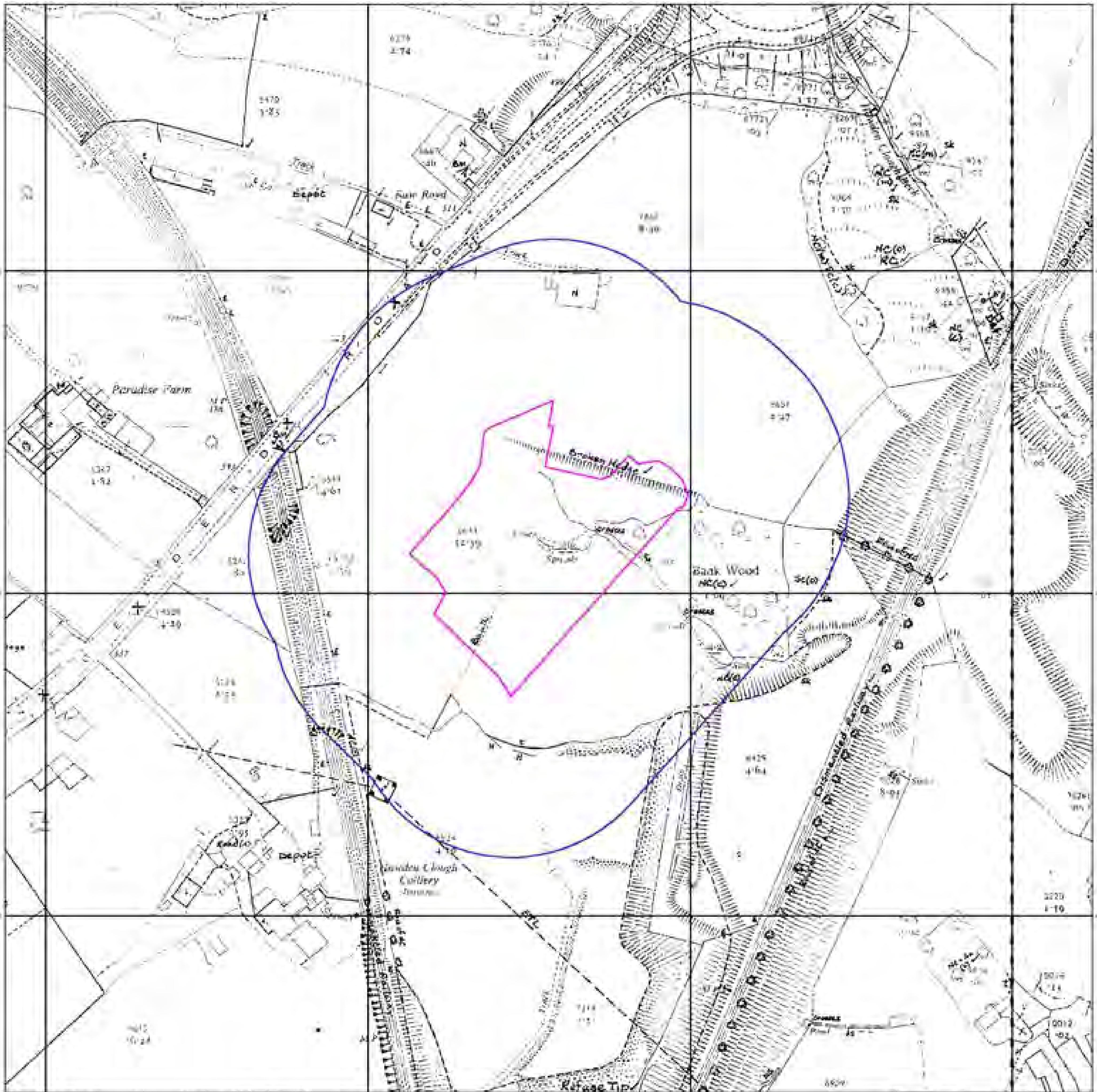
National Grid Reference:	423710, 427430
Slice:	A
Site Area (Ha):	1.51
Search Buffer (m):	100

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB



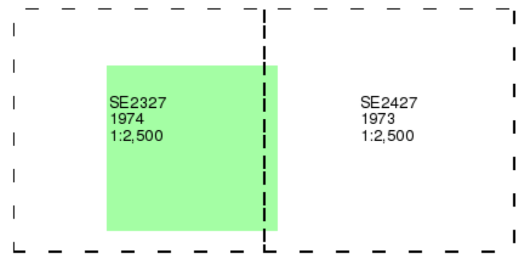
Supply of Unpublished Survey Information

Published 1973 - 1974

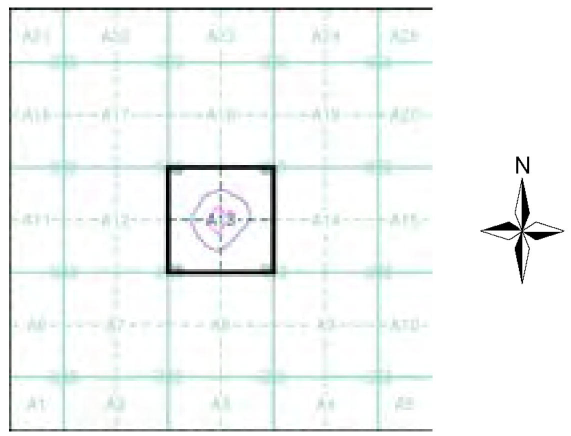
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 259373929_1_1
Customer Ref: 076893 - Bankwood Way, Birstall
National Grid Reference: 423710, 427430
Slice: A
Site Area (Ha): 1.51
Search Buffer (m): 100

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB

Landmark INFORMATION GROUP

Tel: 0844 844 9952
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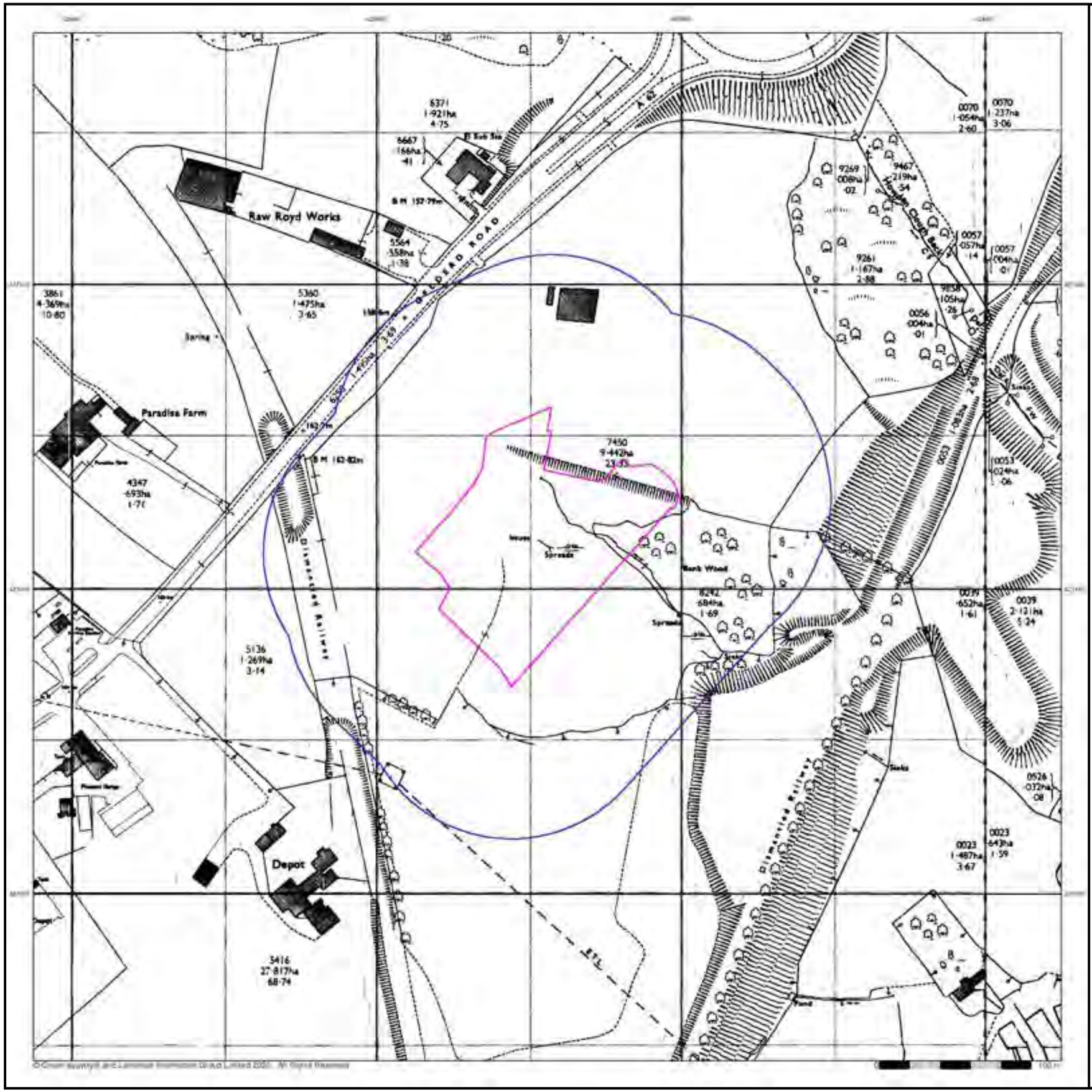


curtins

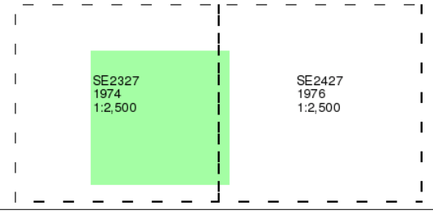
Ordnance Survey Plan

Published 1974 - 1976

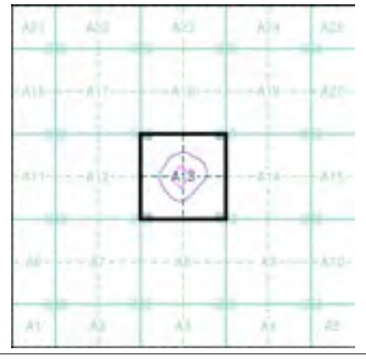
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



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Site Details

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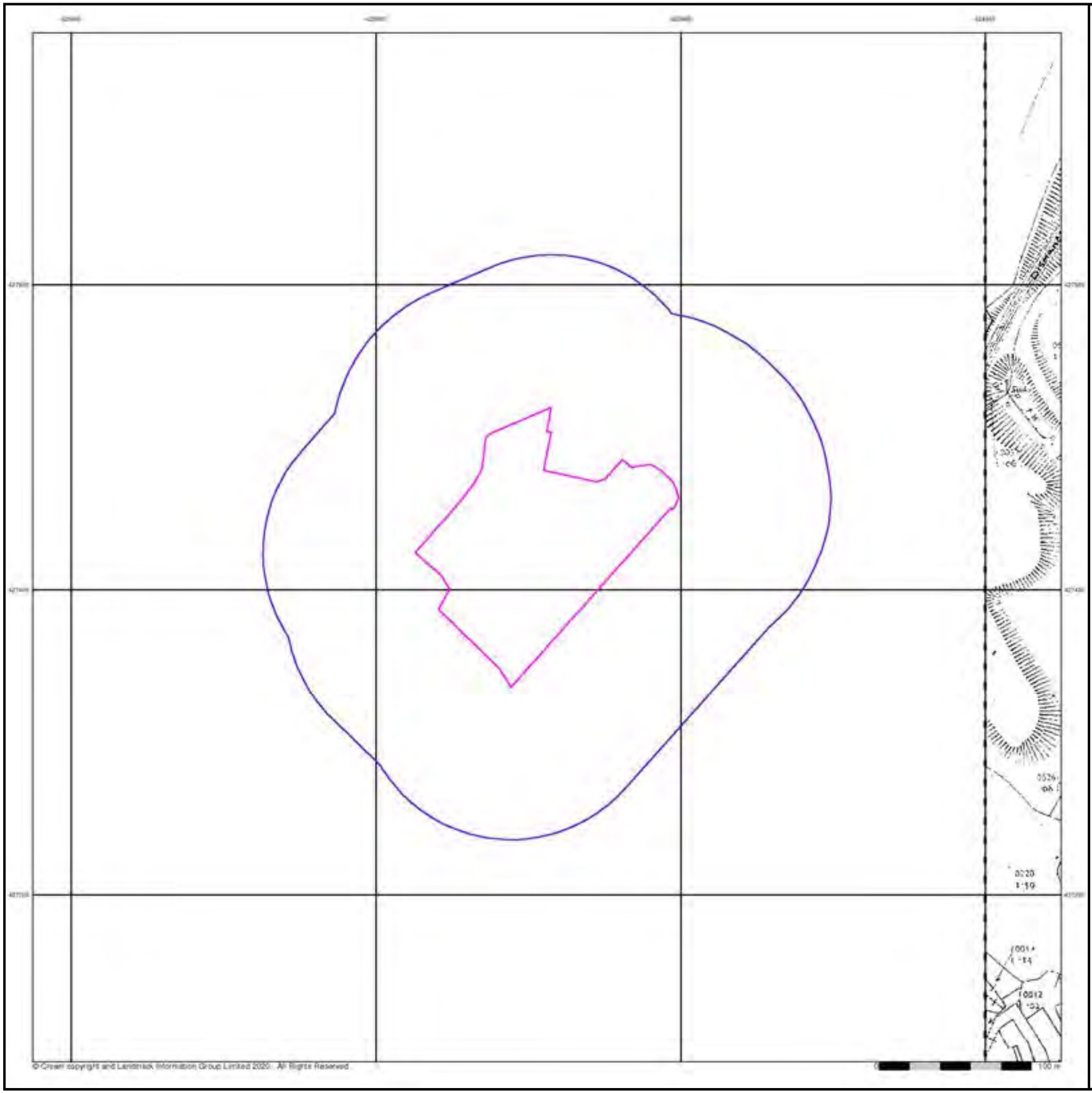


curtins

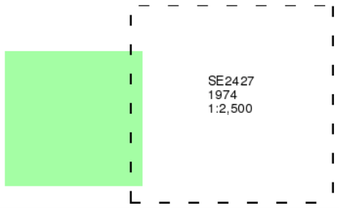
Supply of Unpublished Survey Information

Published 1974

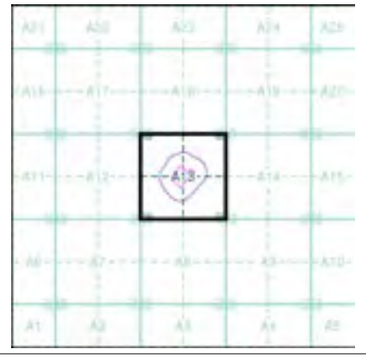
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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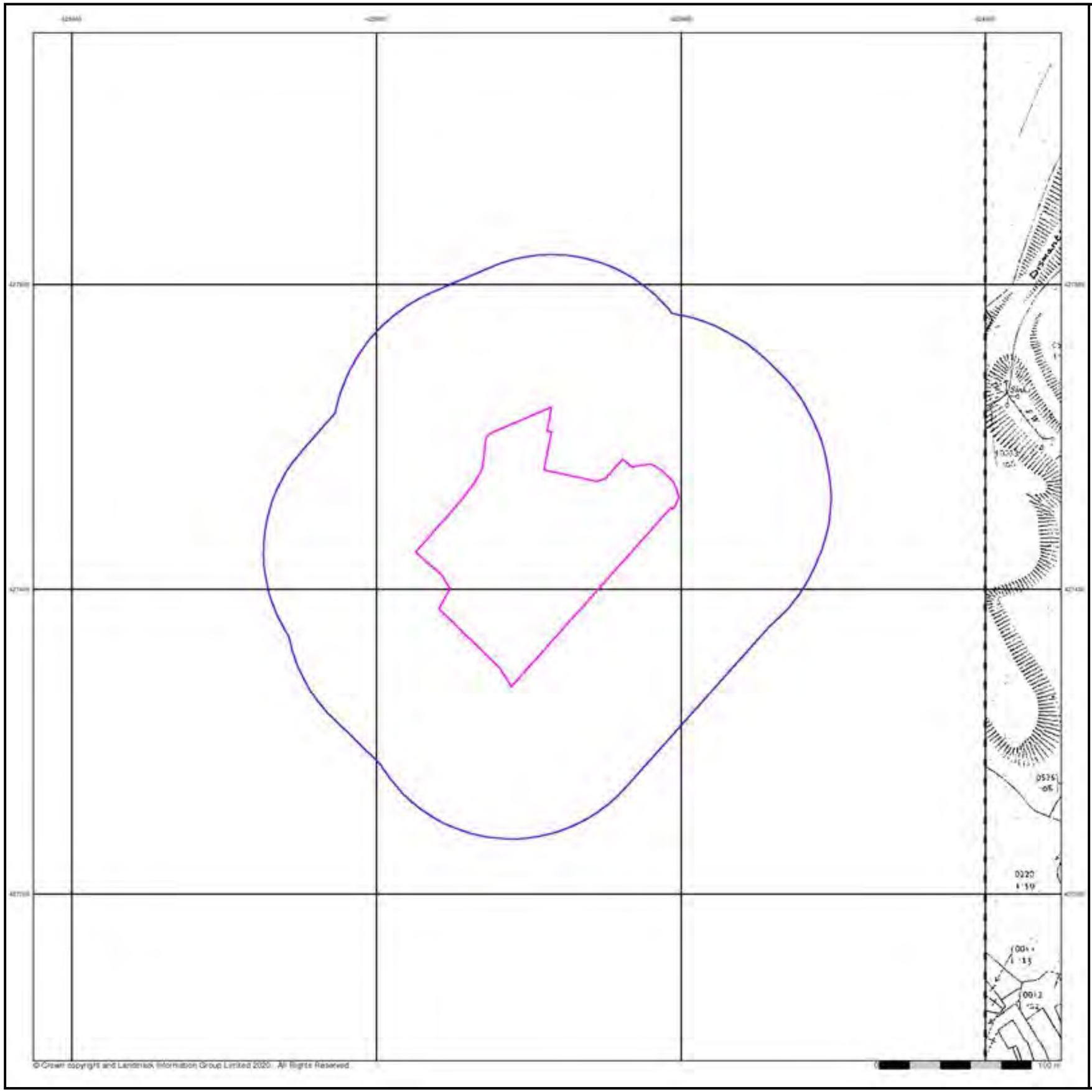

curtins

Supply of Unpublished Survey Information

Published 1974

Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

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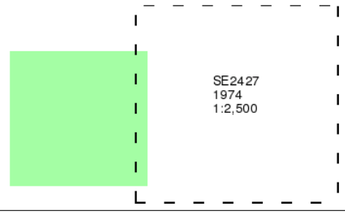
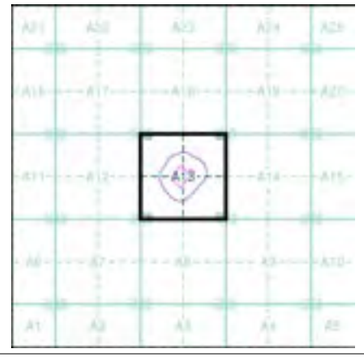


Historical Map - Segment A13



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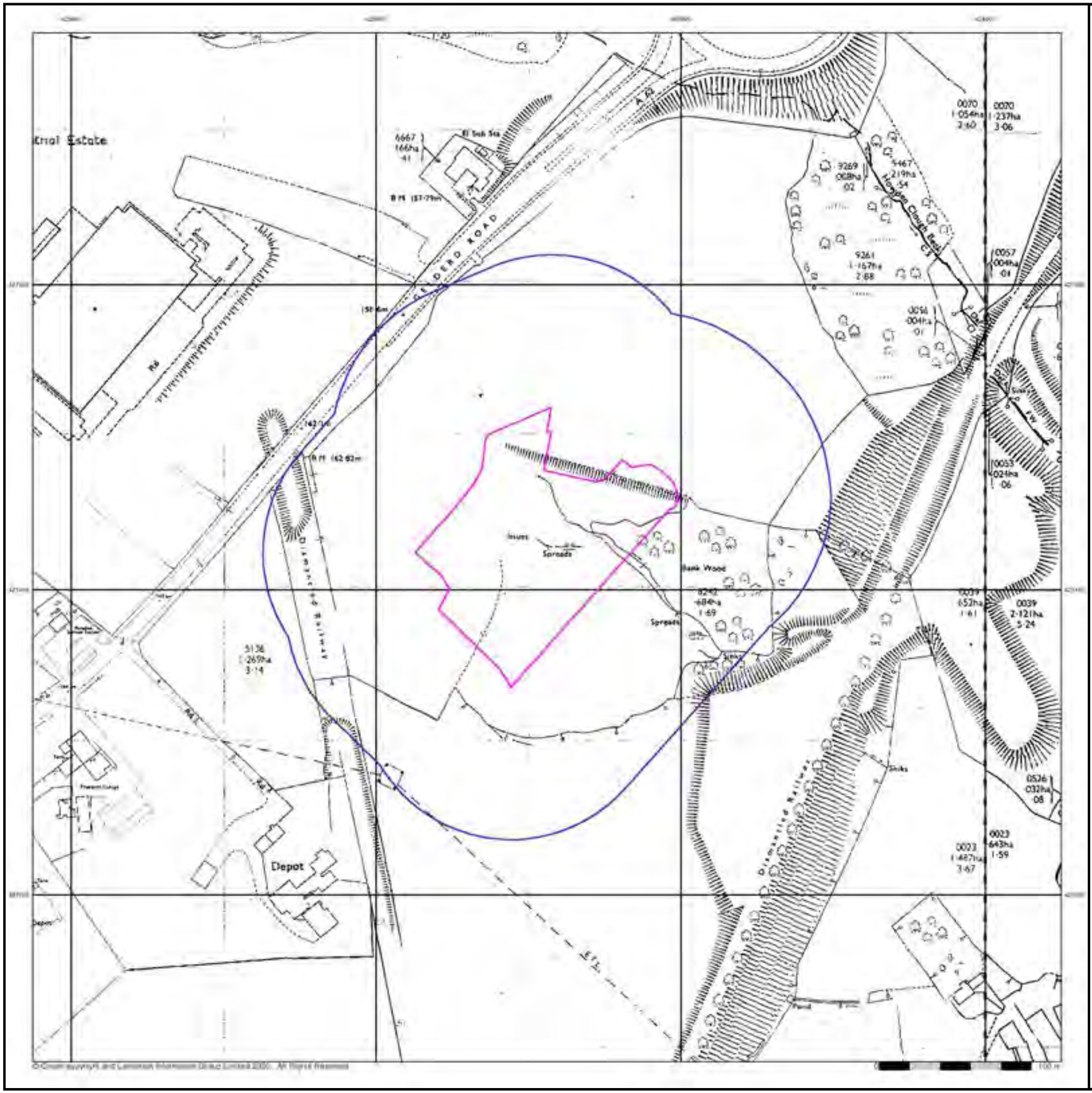


curtins

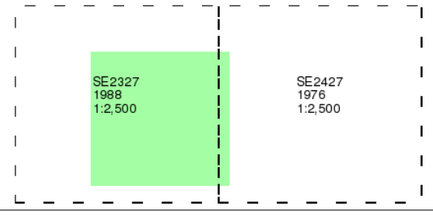
Additional SIMs

Published 1976 - 1988

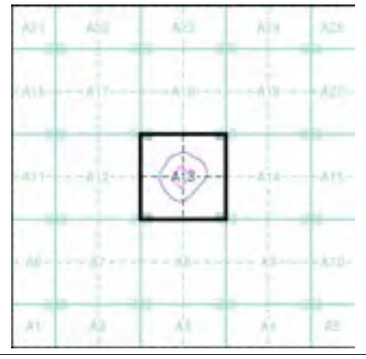
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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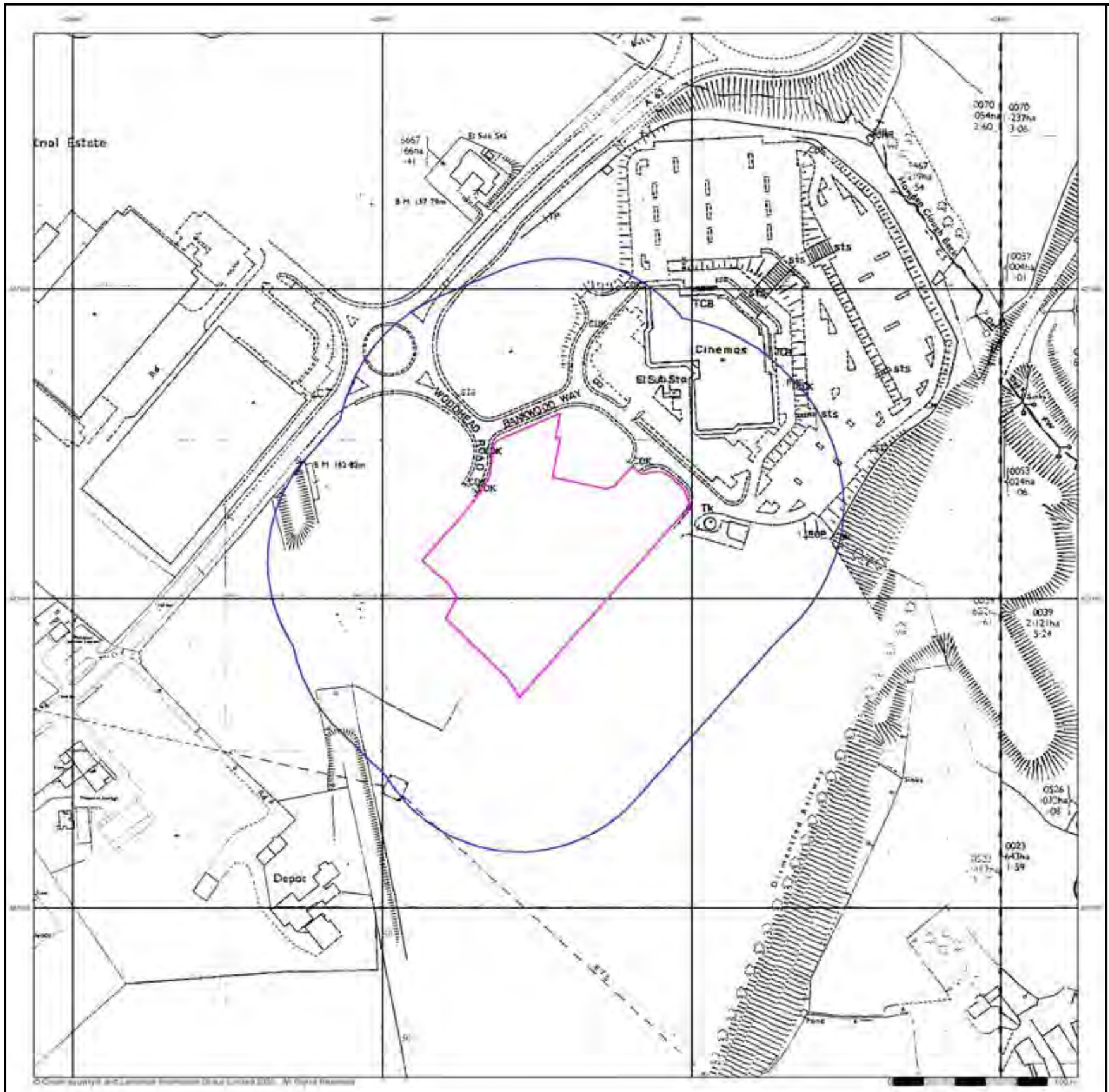

curtins

Additional SIMs

Published 1985 - 1990

Source map scale - 1:2,500

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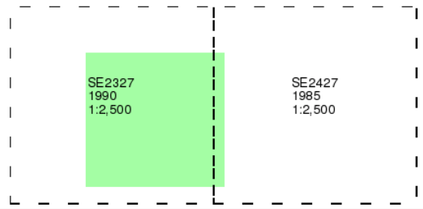
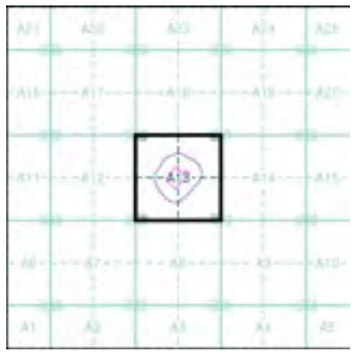
Map Name(s) and Date(s)



Historical Map - Segment A13



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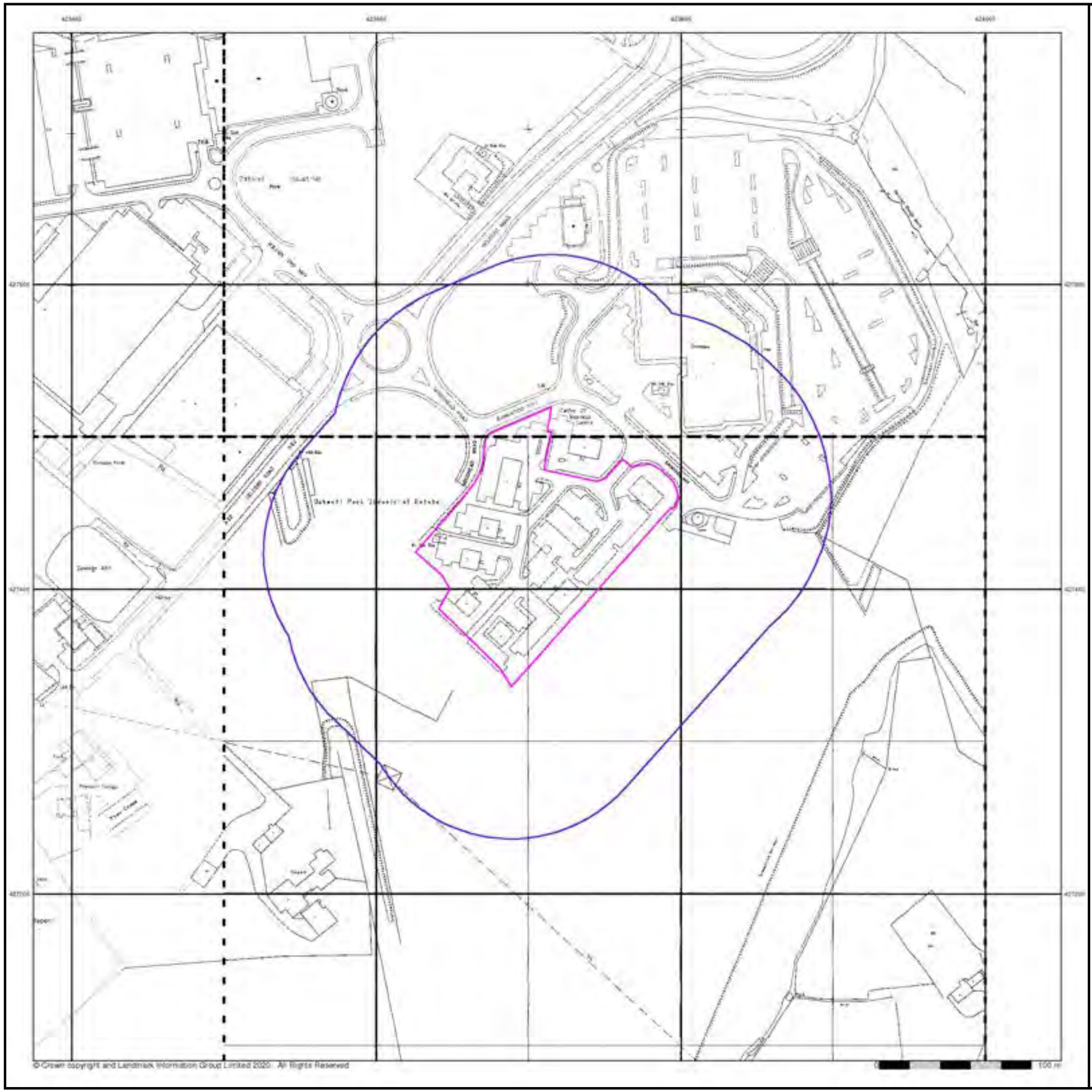


curtins

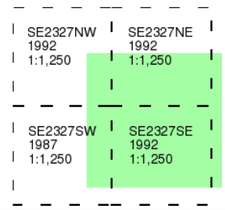
Additional SIMs

Published 1987 - 1992

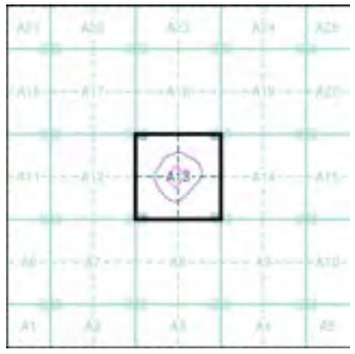
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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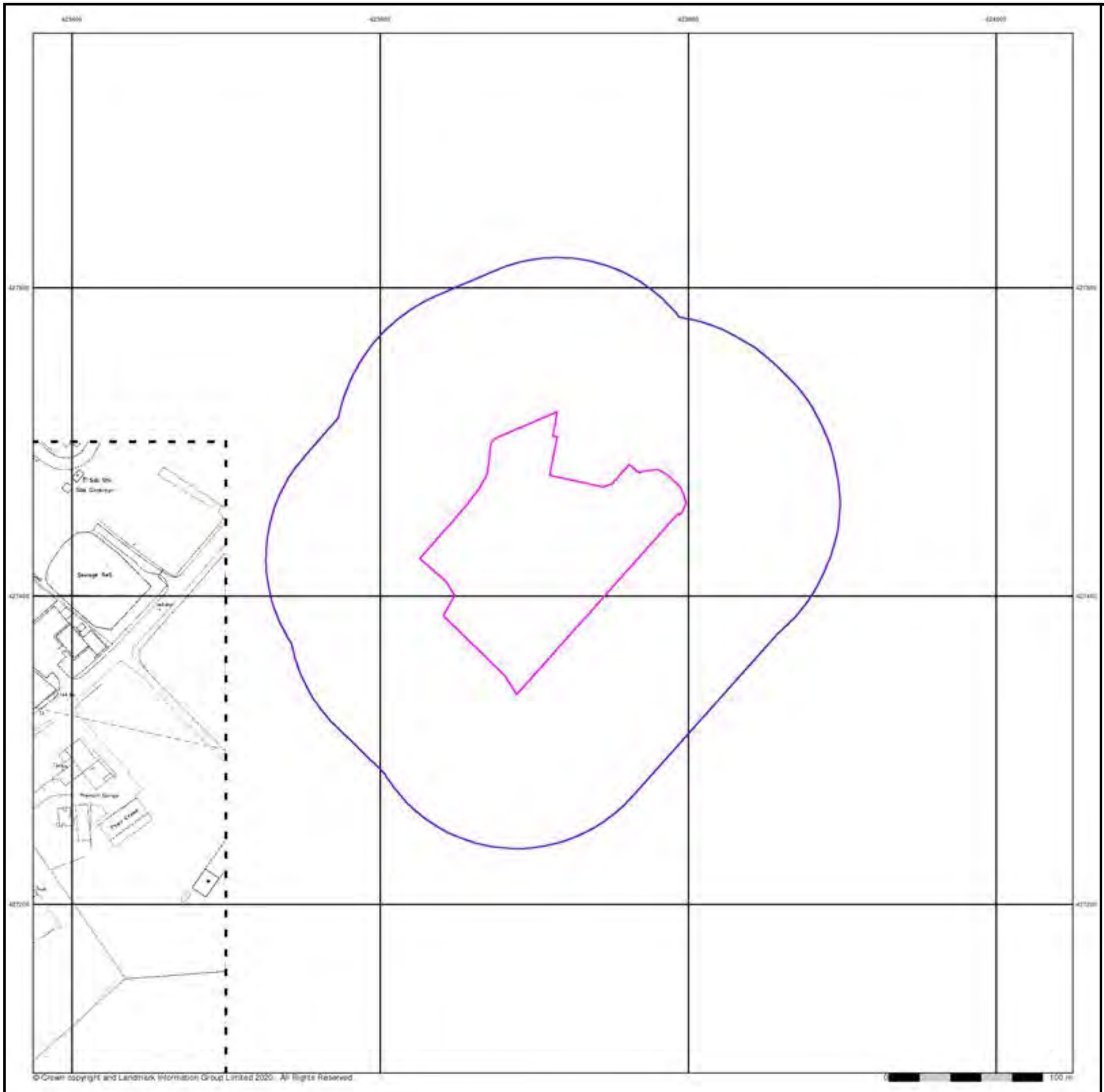


curtins

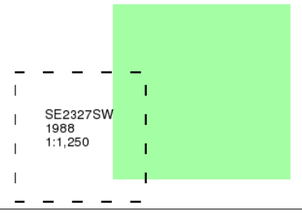
Additional SIMs

Published 1988

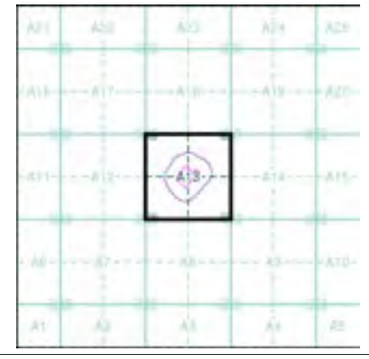
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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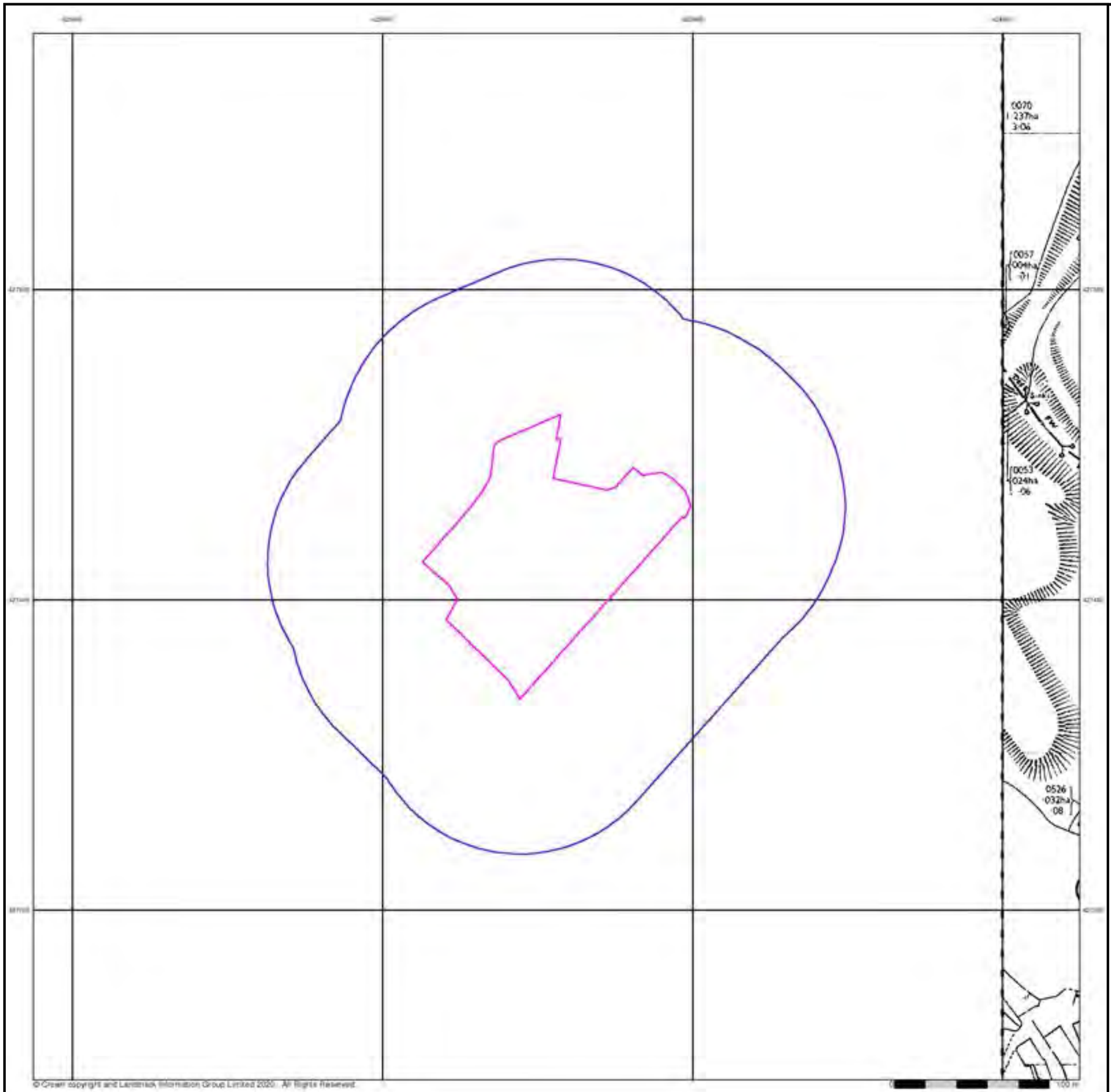


curtins

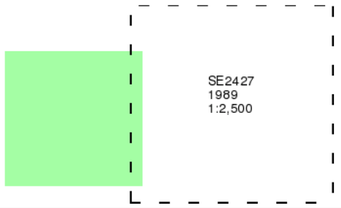
Additional SIMs

Published 1989

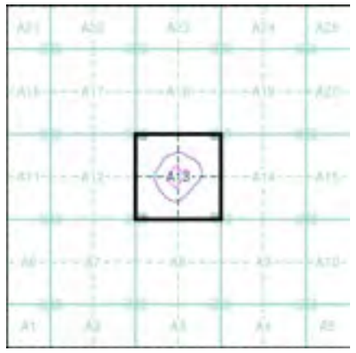
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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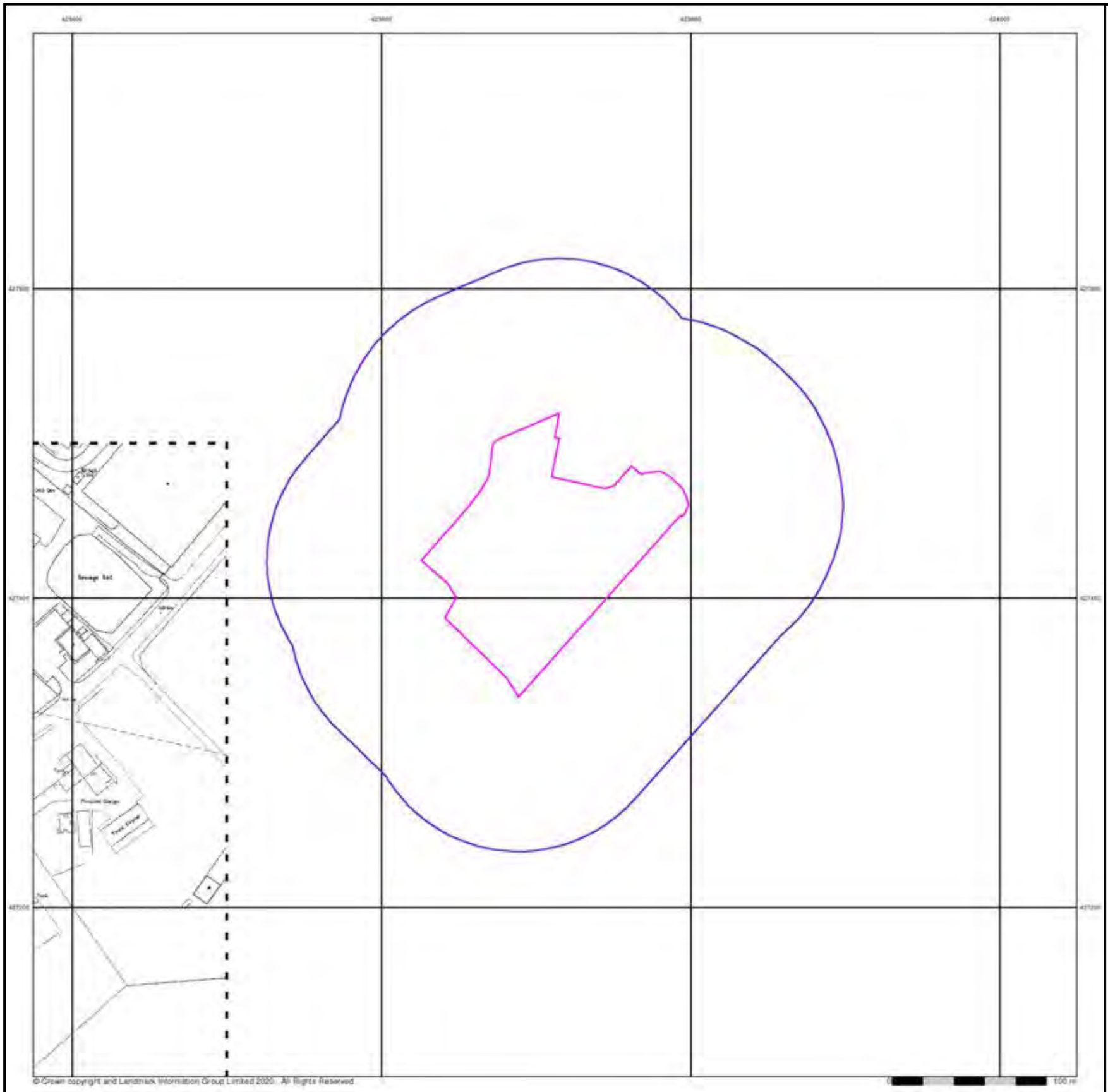


curtins

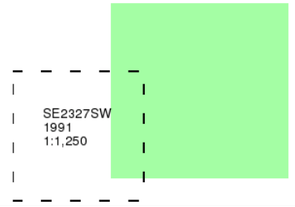
Additional SIMs

Published 1991

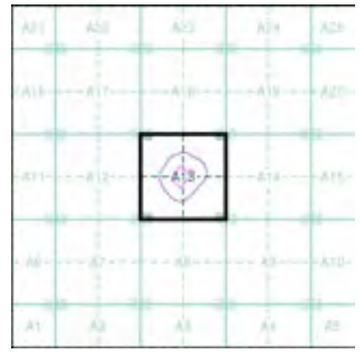
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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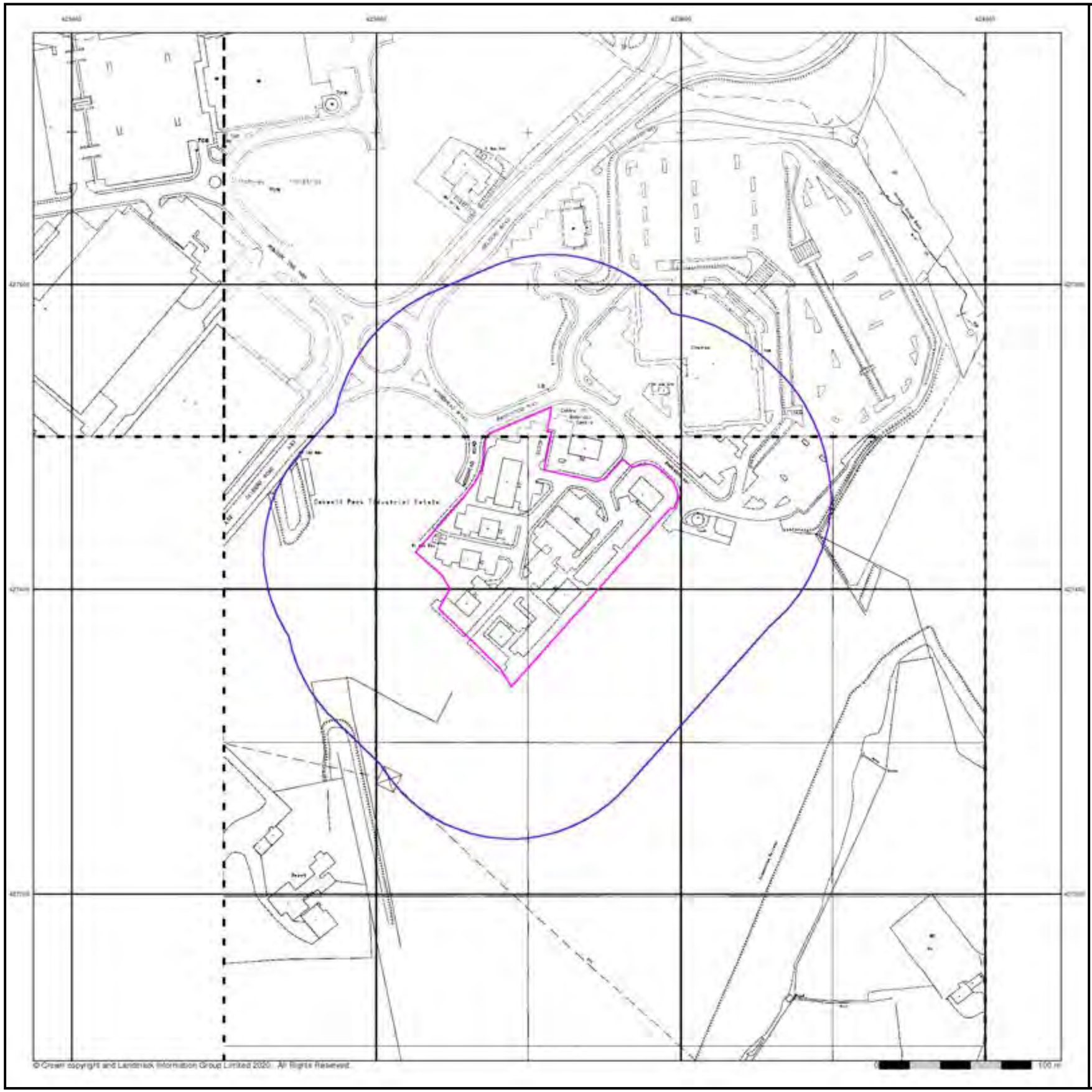


curtins

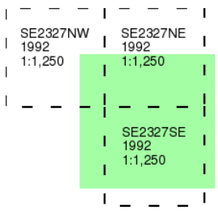
Ordnance Survey Plan

Published 1992

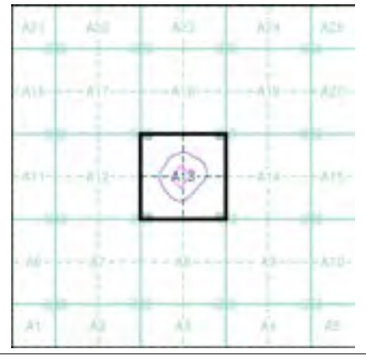
Source map scale - 1:1,250

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



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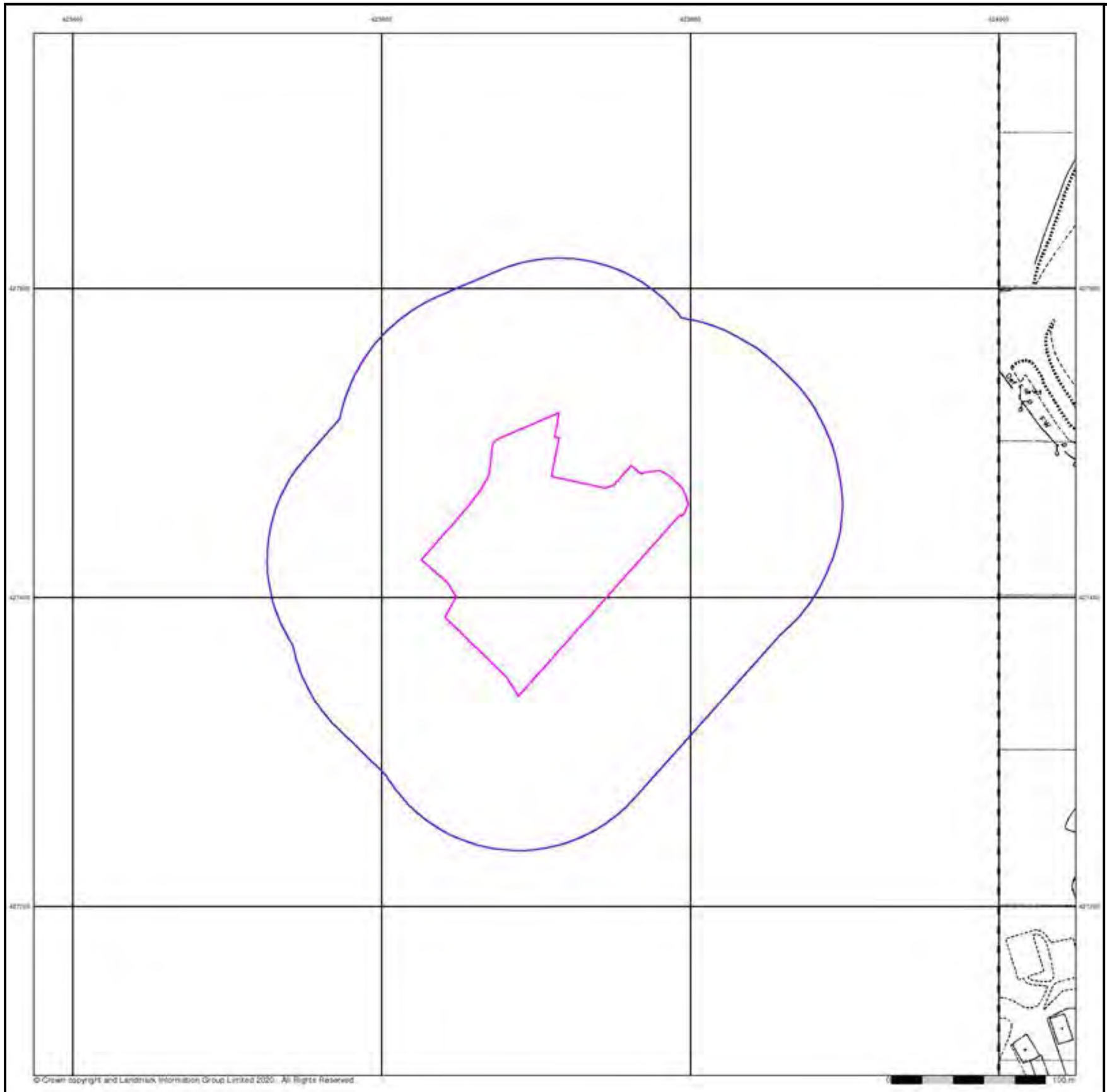


curtins

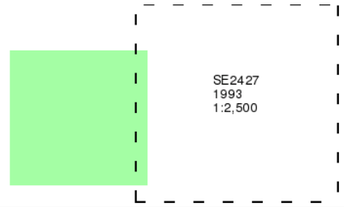
Large-Scale National Grid Data

Published 1993

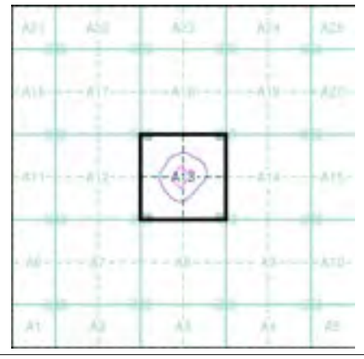
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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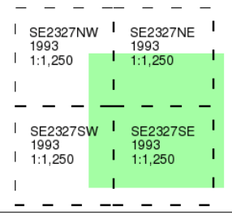
Large-Scale National Grid Data

Published 1993

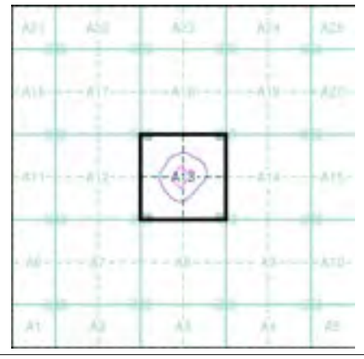
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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curtins

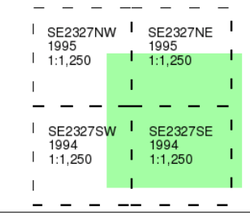
Large-Scale National Grid Data

Published 1994 - 1995

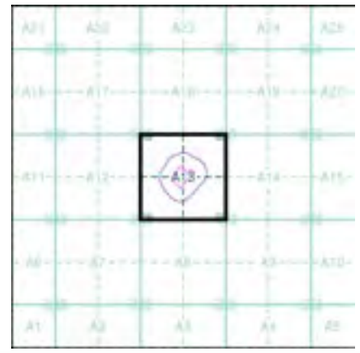
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

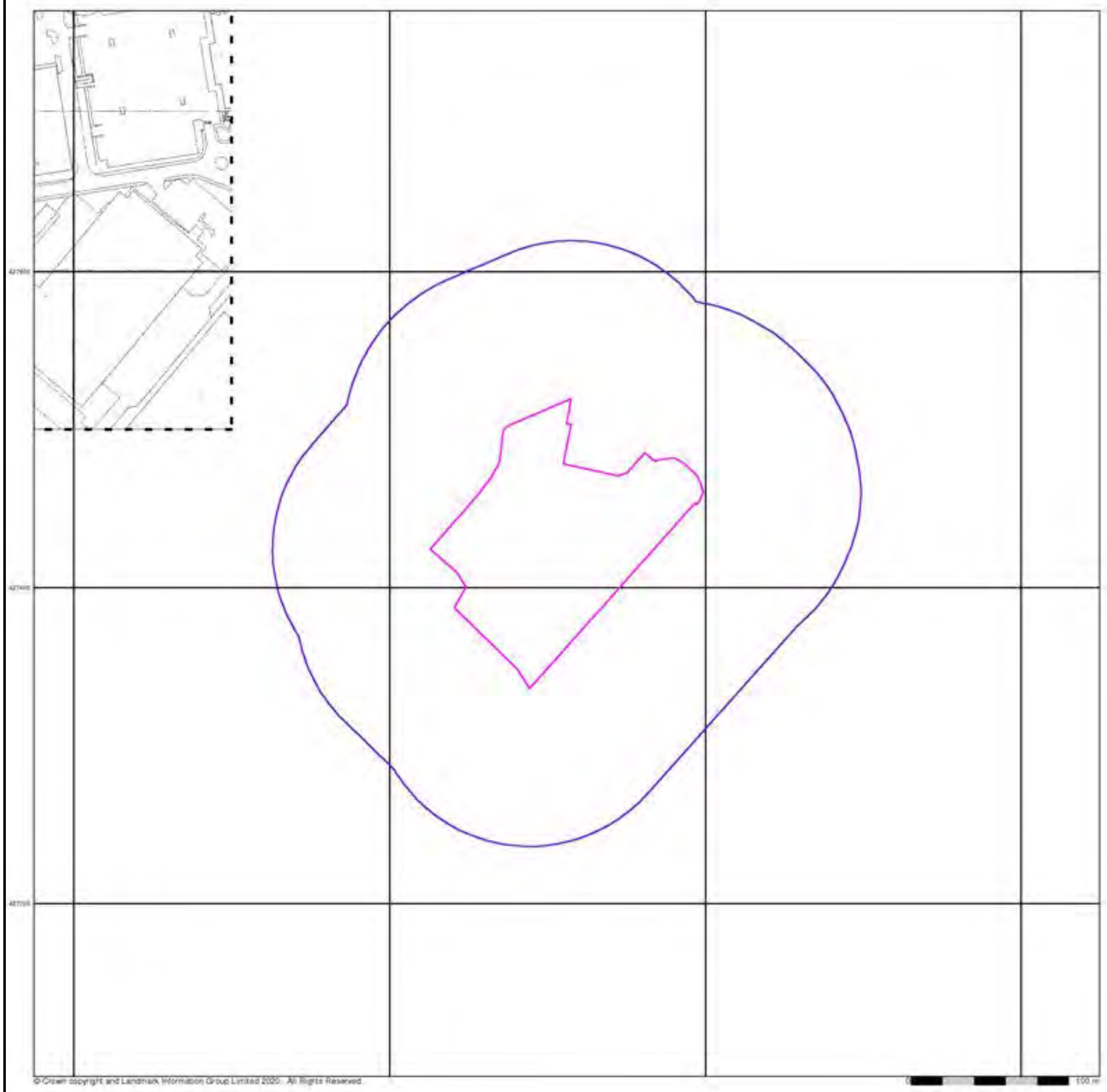


Order Details

Order Number:	259373929_1_1
Customer Ref:	076893 - Bankwood Way, Birstall
National Grid Reference:	423710, 427430
Slice:	A
Site Area (Ha):	1.51
Search Buffer (m):	100

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB



curtins

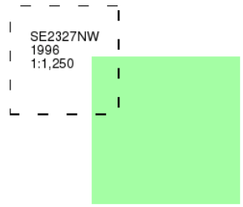
Large-Scale National Grid Data

Published 1996

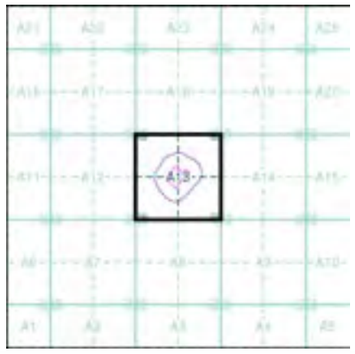
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

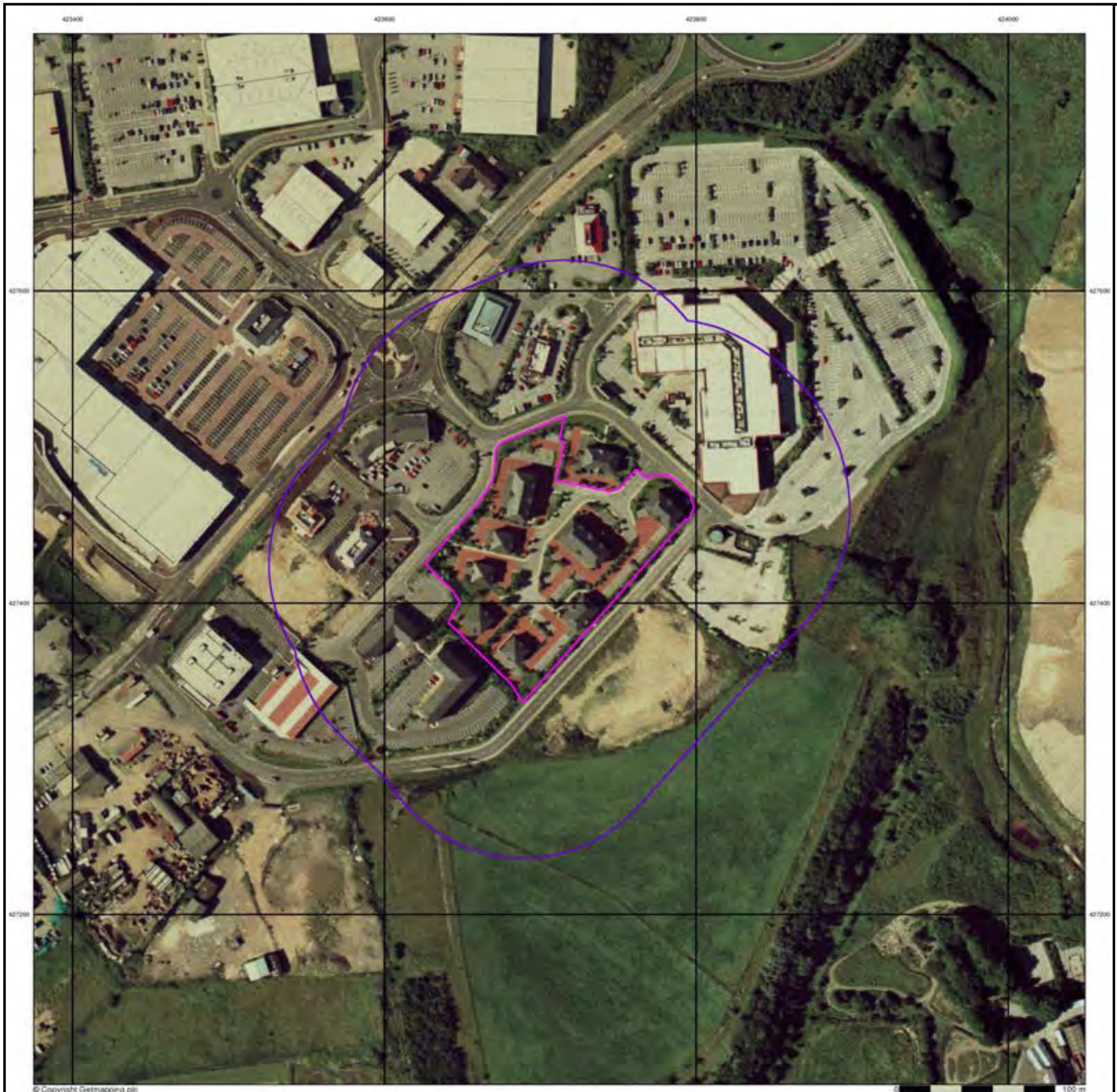
Order Number:	259373929_1_1
Customer Ref:	076893 - Bankwood Way, Birstall
National Grid Reference:	423710, 427430
Slice:	A
Site Area (Ha):	1.51
Search Buffer (m):	100

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB

Landmark INFORMATION GROUP

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



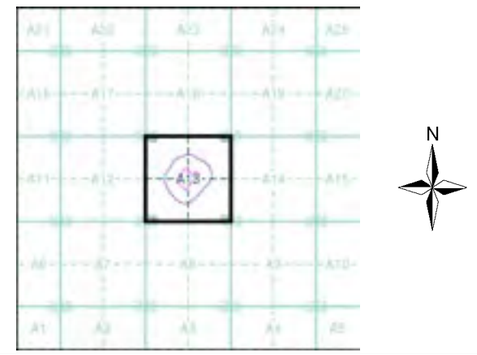
curtins

Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

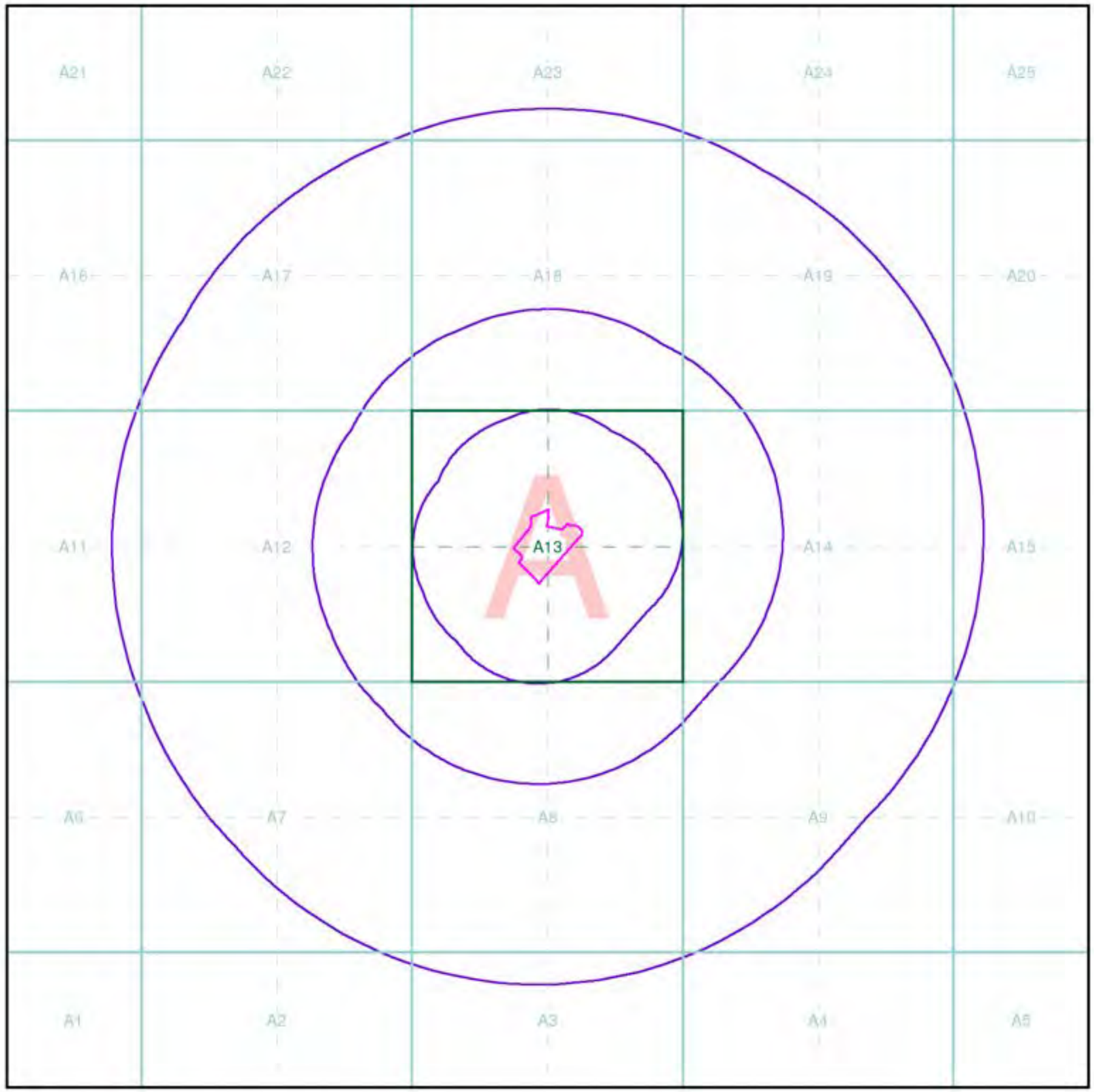
Order Number:	259373929_1_1
Customer Ref:	076893 - Bankwood Way, Birstall
National Grid Reference:	423710, 427430
Slice:	A
Site Area (Ha):	1.51
Search Buffer (m):	100

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB

Landmark INFORMATION GROUP

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



curtins

Index Map

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

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

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

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

A selection of organisations who provide data within this report:

Map data | British Geological Survey | Environment Agency | NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr A Drew, Curtins Consulting Ltd, Rose Wharf, 78-80 East Street, Leeds, West Yorkshire, LS9 8EE

Order Details

Order Number:	259373929_1_1
Customer Ref:	076893 - Bankwood Way, Birstall
National Grid Reference:	423710, 427430
Site Area (Ha):	1.51
Search Buffer (m):	1000

Site Details

Bankwood Way, Birstall, Batley, West Yorkshire, WF17 9TB

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

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

The Coal Authority

Consultants

Coal Mining Report

Birstall
Bankwood Way
Batley
West Yorkshire
WF17 9TB

Date of enquiry:	**30 September 2020**
Date enquiry received:	**30 September 2020**
Issue date:	**30 September 2020**
Our reference:	**51002302567002**
Your reference:	**259432745_1**

Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

NLIS Hub

Enquiry address

Birstall
Bankwood Way
Batley
West Yorkshire
WF17 9TB

Approximate position of property

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

@coalauthority
/company/the-coal-authority
/thecoalauthority
/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	FLOCKTON THIN	Coal	6NLA	10	Beneath Property	2.1	East	91	1877
unnamed	TOP FENTON	Coal	6NFB	30	Beneath Property	2.1	East	60	1911
unnamed	MIDDLETON MAIN	Coal	6NMB	74	Beneath Property	2.7	North	122	1875
unnamed	TOP BEESTON	Coal	6NIC	165	North-West	2.2	East	66	1916
unnamed	WHINMOOR	Coal	6NLC	172	North-West	2.8	East	69	1920
unnamed	TOP BEESTON	Coal	6NJC	175	Beneath Property	1.4	South-East	66	1895
unnamed	WHINMOOR	Coal	6NMC	182	South-West	1.1	East	69	1888
unnamed	BLACK BED	Coal	6NNC	242	Beneath Property	1.1	South-East	61	1888

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	423427-002	423659 427602		Coal	
Shaft	423427-011	423576 427451	was located and subsequently grouted by HJT Consulting Engineers in November 1998	Coal	
Shaft	423427-047	423570 427490	was located and subsequently grouted by HJT Consulting Engineers in November 1998	Coal	
Shaft	423427-053	423651 427595		Coal	
Adit	423427-054	423770 427440		Coal	
Shaft	423427-065	423822 427364		Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

6019	FGB279	FGB937
FGB918	913	FGB923
FGB355	M189	FGB949

Our records show we have more plans than those shown above which could affect the enquiry boundary.

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
FLOCKTON THIN	Coal	Yes	Within	N/A	291

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

Please refer to the “Summary of findings” map (on separate sheet) for details of any opencast areas within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

Distance to site investigation (m)	Direction
45.6	South-West
45.4	South-West
43.5	South-West
5.6	North-West
0.4	North-West

See Section 4 for further information.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

Section 46 notices
No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices
The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land
The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

Site investigations

The site is within an area of previous interest. It is close to where the Coal Authority has received information relating to past site investigations.

The site requires further investigation and may influence how you approach your risk assessment.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk.**

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines
Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips
Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations
Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites
Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence
Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas
Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes
Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining
Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing
Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders
Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices
Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices
Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

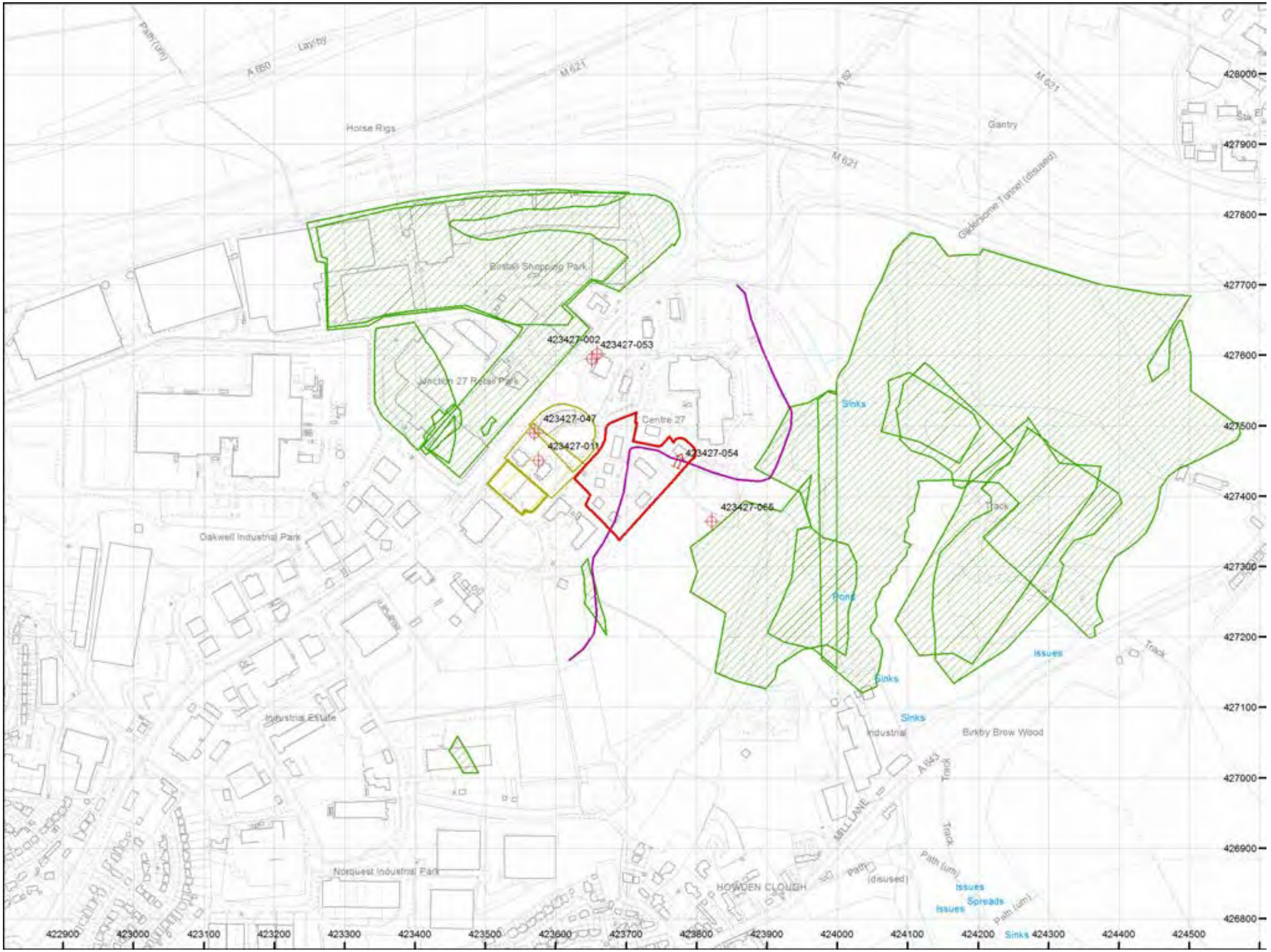
The Coal Authority

Summary of findings

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

- Approximate position of the enquiry boundary shown
- Disused mine shaft
- Disused adit
- Outcrop (Proven)
- Unlicensed opencast site
- Site investigations



How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com

Appendix C Exploratory Hole Logs

Borehole Log

Borehole No. **BH201**

Sheet 1 of 2

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423736.00 - 427428.00	Hole Type CP
Location: Bankwood Way, Birstall		Level: 149.85	Scale 1:50
Client: Lidl GB Limited		Dates: 03/09/2020 - 03/09/2020	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50 - 0.80	ES B D					Creamish brown slightly sandy very gravelly CLAY. Gravel is angular to subangular fine to coarse of limestone. (SUBBASE).
		1.20		N=7 (6,4/2,1,2,2)				
		2.00		N=7 (1,2/2,2,1,2)	2.00	147.85		
		2.00 - 2.50	B					Reworked natural recovered as firm to stiff dark greyish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of mudstone, sandstone and coal with rare brick and timber. Very stiff from 7.0mbgl. Occasional subangular cobbles of dolerite at 7.0mbgl. Frequent plastic bags encountered between 12.0 and 14.0mbgl. Bluish green coarse sand encountered between 13.0 and 14.0mbgl. (MADE GROUND).
		2.50 - 2.60	ES D					
		3.00		N=9 (2,2/2,2,2,3)				
		3.00 - 3.50	B					
		4.00		N=8 (1,2/2,2,2,2)				
		5.00		N=11 (2,2/3,3,2,3)				
		5.00 - 5.50	B D					
		6.00		N=10 (3,2/2,3,2,3)				
		7.00		N=17 (3,2/3,4,4,6)				
		7.00 - 7.50	B D					
		8.00		N=34 (13,8/8,9,8,9)				
		9.00		N=34 (10,8/8,9,8,9)				
		9.00 - 9.50	B D					

Continued on next sheet

Remarks

AGS

Borehole Log

Borehole No. **BH201**

Sheet 2 of 2

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords:	423736.00 - 427428.00	Hole Type CP
Location:	Bankwood Way, Birstall		Level:	149.85	Scale 1:50
Client:	Lidl GB Limited		Dates:	03/09/2020 - 03/09/2020	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.00		N=40 (9,8/9,10,11,10)				
		11.00		N=34 (4,5/7,7,10,10)				
		11.00 - 11.50	B D					
		12.00		N=35 (5,6/6,8,10,11)				
		13.00		N=37 (7,7/37 for 285mm)				
		13.00 - 13.50	B D					
		14.00		N=50 (7,9/50 for 285mm)	14.00	135.85		Extremely weathered MUDSTONE recovered as stiff brown mottled orange and grey slightly gravelly clay. Gravel is angular to subangular fine to coarse of mudstone. (PENNINE LOWER COAL MEASURES).
		14.00 - 14.50	B D		14.50	135.35		Medium strong brown mottled orange and grey thinly laminated MUDSTONE. (PENNINE LOWER COAL MEASURES).
		15.00		50 (25 for 145mm/50 for 60mm)				End of borehole at 15.00 m
		15.00 - 15.50	B D		15.45	134.40		

Remarks

AGS

Borehole Log

Borehole No. **BH202**

Sheet 1 of 2

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423699.00 - 427373.00	Hole Type CP
Location: Bankwood Way, Birstall		Level: 148.57	Scale 1:50
Client: Lidl GB Limited		Dates: 04/09/2020 - 07/09/2020	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	148.47		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
		0.50 - 0.80	B D					
					0.80	147.77		Creamish brown slightly sandy very gravelly CLAY. Gravel is angular to subangular fine to coarse of limestone. (SUBBASE).
		1.00 - 1.10	ES					
		1.00 - 1.50	B D					Soft brown and greenish grey slightly sandy gravelly CLAY. Sand is fine to coarse of green quartz. Gravel is angular to subrounded fine to coarse of sandstone, quartz, brick and coal with rare concrete and timber. (MADE GROUND).
		1.20		N=16 (4,5/16 for 225mm)				
		2.00		N=14 (6,5/14 for 225mm)	2.00	146.57		LANDFILL WASTE within a black clayey matrix. Waste comprises plastic bags, carpet, rubber and tyres, timber, metal, metal wire, and brick, concrete and sandstone cobbles. Recovered wet from 3.0mbgl. Frequent fragments of bone at 9.0mbgl. Strong putrid/organic odour. (MADE GROUND).
		2.50 - 2.60	ES					
		2.50 - 3.00	B D					
		3.00		50 (25 for 145mm/50 for 70mm)				
		4.00		N=11 (2,3/11 for 225mm)				
		4.00 - 4.10	ES					
		4.00 - 4.50	B D					
		5.00		N=17 (3,3/17 for 225mm)				
		6.00		N=18 (4,4/18 for 225mm)				
		6.50 - 7.00	B D					
		7.00		50 (25 for 50mm/50 for 73mm)				
		8.00		N=18 (3,5/18 for 225mm)				
		8.00 - 8.50	B D					
		9.00		N=15 (2,3/15 for 225mm)				
					9.70	138.87		Reworked natural recovered as dark greyish
					10.00	138.57		

Continued on next sheet

Remarks

AGS

Borehole Log

Borehole No. **BH202**

Sheet 2 of 2

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords: 423699.00 - 427373.00	Hole Type CP
Location:	Bankwood Way, Birstall		Level: 148.57	Scale 1:50
Client:	Lidl GB Limited		Dates: 04/09/2020 - 07/09/2020	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.00 10.00 - 10.45	D	50 (25 for 145mm/50 for 150mm)	10.45	138.12		brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of coal, brick, mudstone and sandstone. Occasional fragments of plastic throughout. (MADE GROUND). Medium strong brown mottled orange and grey thinly laminated MUDSTONE. Frequent orange oxidation on bedding planes. (PENNINE LOWER COAL MEASURES). End of borehole at 10.45 m

11 12 13 14 15 16 17 18 19 20

Remarks

Borehole Log

Borehole No. **BH203**

Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423690.00 - 427396.00	Hole Type CP
Location: Bankwood Way, Birstall		Level: 149.11	Scale 1:50
Client: Lidl GB Limited		Dates: 07/09/2020 - 07/09/2020	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30 - 0.80	ES D					Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone. (SUBBASE).
					1.00	148.11		
		1.20		N=7 (1,2/7 for 225mm)				Reworked natural recovered as brown slightly sandy gravelly CLAY with low cobble content. Cobbles and gravel are whole and subangular brick. (MADE GROUND).
		1.50 - 2.00	B D					
		2.00		N=34 (2,3/34 for 225mm)	2.00	147.11		LANDFILL WASTE within a black clayey matrix. Waste comprises plastic bags, carpet, rubber and tyres, timber, metal, metal wire, and brick, concrete and sandstone cobbles. Recovered wet from 3.5mbgl. (MADE GROUND).
		3.00		50 (25 for 50mm/50 for 55mm)				
		3.00 - 3.50	ES D					
		4.00		N=11 (2,2/11 for 225mm)				
		5.00		N=16 (1,2/16 for 225mm)				
		6.00		N=15 (2,3/15 for 225mm)				
		6.50 - 7.00	ES D					
		7.00		N=12 (2,2/12 for 225mm)				
		7.50 - 8.00	B D		7.50	141.61		Firm orangish brown mottled grey CLAY. (PENNINE LOWER COAL MEASURES).
		8.00		N=23 (2,2/23 for 225mm)	8.00	141.11		Extremely weathered MUDSTONE recovered as hard to stiff brown mottled orange and grey slightly gravelly clay. Gravel is angular to subangular fine to coarse of mudstone. (PENNINE LOWER COAL MEASURES).
		8.00 - 8.50	D		8.50	140.61		End of borehole at 8.50 m

Remarks

AGS

Rotary Core Log

Borehole No.
RH201
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423772.00 - 427472.00	Hole Type RO
Location: Bankwood Way, Birstall		Level: 149.10	Scale 1:50
Client: Lidl GB Limited		Dates: 03/09/2020 - 03/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.40	148.70		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
										Soft brown sandy CLAY - drillers description. (REWORKED NATURAL STRATA).
							1.80	147.30		Stiff dark brown CLAY - drillers description. (MUDSTONE - PENNINE LOWER COAL MEASURES).
							4.70	144.40		Black COAL. (PENNINE LOWER COAL MEASURES).
							4.90	144.20		Weak grey MUDSTONE. (PENNINE LOWER COAL MEASURES).
							7.00	142.10		End of borehole at 7.00 m

Remarks

AGS

Rotary Core Log

Borehole No.
RH202
Sheet 1 of 1

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords:	423783.00 - 427465.00	Hole Type RO
Location:	Bankwood Way, Birstall		Level:	148.93	Scale 1:50
Client:	Lidl GB Limited		Dates:	03/09/2020 - 03/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.30	148.63		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
										Firm brown sandy CLAY - drillers description. (REWORKED NATURAL STRATA).
							1.60	147.33		Firm brown CLAY - drillers description. (MUDSTONE - PENNINE LOWER COAL MEASURES).
							4.60	144.33		100% loss of flush and no drilling returns. Hard ground. (MUDSTONE - PENNINE LOWER COAL MEASURES).
							7.00	141.93		End of borehole at 7.00 m

Remarks

Rotary Core Log

Borehole No.
RH203
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423783.00 - 427458.00	Hole Type RC
Location: Bankwood Way, Birstall		Level: 148.89	Scale 1:50
Client: Lidl GB Limited		Dates: 03/09/2020 - 03/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.30	148.59		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
										Firm brown CLAY - drillers description. (MADE GROUND).
							1.40	147.49		Stiff brown CLAY - drillers description. (MADE GROUND).
							2.00	146.89		Subangular COBBLES of brick and concrete with fragments of timber and metal. (FILL MATERIALS).
							3.50	145.39		Reworked natural recovered as dark greyish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of mudstone, sandstone and coal with rare brick and timber. (MADE GROUND).
							5.90	142.99		Extremely weathered MUDSTONE recovered as stiff orangish brown mottled grey slightly gravelly clay. (PENNINE LOWER COAL MEASURES).
							6.90	141.99		Medium strong reddish brown medium to coarse grained SANDSTONE recovered non-intact. (PENNINE LOWER COAL MEASURES).
							7.15	141.74		Weak grey mottled orange thinly laminated MUDSTONE. (PENNINE LOWER COAL MEASURES).
							8.00	140.89		End of borehole at 8.00 m

Remarks

Rotary Core Log

Borehole No. **RH204**

Sheet 1 of 3

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423655.00 - 427380.00	Hole Type RO
Location: Bankwood Way, Birstall		Level: 150.39	Scale 1:50
Client: Lidl GB Limited		Dates: 04/09/2020 - 04/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.30	150.09		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
										Firm brown CLAY - drillers description. (REWORKED NATURAL STRATA).
							1.30	149.09		Stiff dark brown CLAY - drillers description. MUDSTONE - PENNINE LOWER COAL MEASURES).
							2.10	148.29		100% loss of flush and no drilling returns. (POSSIBLE BROKEN GROUND).
							2.40	147.99		Stiff dark brown CLAY with frequent fragments of coal - drillers description. (MUDSTONE - PENNINE LOWER COAL MEASURES).
							2.90	147.49		100% loss of flush and no drilling returns. (POSSIBLE VOID/SOFT GROUND).
							3.50	146.89		Weak dark grey MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
							4.70	145.69		Weak grey brown MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
										Continued on next sheet

1 2 3 4 5 6 7 8 9 10

Remarks

AGS

Rotary Core Log

Borehole No.
RH204
Sheet 2 of 3

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords:	423655.00 - 427380.00	Hole Type RO
Location:	Bankwood Way, Birstall		Level:	150.39	Scale 1:50
Client:	Lidl GB Limited		Dates:	04/09/2020 - 04/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							18.40	131.99		Weak brown MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
										Continued on next sheet

11 12 13 14 15 16 17 18 19 20

Remarks

AGS

Rotary Core Log

Borehole No.
RH204
Sheet 3 of 3

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords:	423655.00 - 427380.00	Hole Type RO
Location:	Bankwood Way, Birstall		Level:	150.39	Scale 1:50
Client:	Lidl GB Limited		Dates:	04/09/2020 - 04/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							22.60	127.79		Weak dark grey silty MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
							30.00	120.39		End of borehole at 30.00 m

21 22 23 24 25 26 27 28 29 30

Remarks

AGS

Rotary Core Log

Borehole No. **RH205**

Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423658.00 - 427430.00	Hole Type RO
Location: Bankwood Way, Birstall		Level: 150.80	Scale 1:50
Client: Lidl GB Limited		Dates: 07/09/2020 - 07/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.10	150.70		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
							0.40	150.40		Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone. (SUBBASE).
										Firm brown sandy CLAY - drillers description. (SANDSTONE - PENNINE LOWER COAL MEASURES).
							1.80	149.00		Stiff brown CLAY - drillers description. 60% loss of flush between 1.8mbgl and 3.5mbgl. (POSSIBLE BROKEN GROUND).
							3.50	147.30		100% loss of flush and no driling returns. (POSSIBLE VOID/SOFT GROUND).
							4.50	146.30		100% loss of flush and no drilling returns. Hard ground. (MUDSTONE - PENNINE LOWER COAL MEASURES).
							8.00	142.80		End of borehole at 8.00 m

Remarks

Rotary Core Log

Borehole No.
RH206
Sheet 1 of 3

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423669.00 - 427462.00	Hole Type RO
Location: Bankwood Way, Birstall		Level: 151.87	Scale 1:50
Client: Lidl GB Limited		Dates: 07/09/2020 - 07/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
										Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
							0.60	151.27		Firm brown sandy CLAY - drillers description. (SANDSTONE - PENNINE LOWER COAL MEASURES).
							6.20	145.67		Black COAL. (PENNINE LOWER COAL MEASURES).
							6.80	145.07		Weak dark grey MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
							9.40	142.47		Weak grey MUDSTONE. (PENNINE LOWER COAL MEASURES).
										Continued on next sheet

1 2 3 4 5 6 7 8 9 10

Remarks

AGS

Rotary Core Log

Borehole No.
RH206
Sheet 2 of 3

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords:	423669.00 - 427462.00	Hole Type RO
Location:	Bankwood Way, Birstall		Level:	151.87	Scale 1:50
Client:	Lidl GB Limited		Dates:	07/09/2020 - 07/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							15.50	136.37		Weak grey brown MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
										Continued on next sheet

11 12 13 14 15 16 17 18 19 20

Remarks

AGS

Rotary Core Log

Borehole No.
RH206
Sheet 3 of 3

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords:	423669.00 - 427462.00	Hole Type RO
Location:	Bankwood Way, Birstall		Level:	151.87	Scale 1:50
Client:	Lidl GB Limited		Dates:	07/09/2020 - 07/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							22.80	129.07		Weak grey MUDSTONE. (PENNINE LOWER COAL MEASURES).
							26.10	125.77		Weak dark grey MUDSTONE. (PENNINE LOWER COAL MEASURES).
							30.00	121.87		End of borehole at 30.00 m

21 22 23 24 25 26 27 28 29 30

Remarks

AGS

Rotary Core Log

Borehole No.
RH207
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423708.00 - 427507.00	Hole Type RO
Location: Bankwood Way, Birstall		Level: 151.55	Scale 1:50
Client: Lidl GB Limited		Dates: 08/09/2020 - 08/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.30	151.25		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL). Firm brown CLAY - drilers description. (NATURAL STRATA).
							3.00	148.55		100% loss of flush and no drilling returns. Hard ground. (POSSIBLE BROKEN GROUND - MUDSTONE - PENNINE LOWER COAL MEASURES).
							8.00	143.55		End of borehole at 8.00 m

Remarks

Rotary Core Log

Borehole No. **RH208**

Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423674.00 - 427429.00	Hole Type RO
Location: Bankwood Way, Birstall		Level: 151.80	Scale 1:50
Client: Lidl GB Limited		Dates: 08/09/2020 - 08/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.40	151.40		Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone. (SUBBASE).
										Firm brown sandy CLAY - drillers description. (REWORKED NATURAL STRATA).
							2.30	149.50		Soft brown CLAY with frequent coal fragments. (REWORKED NATURAL STRATA).
							3.00	148.80		Stiff brown CLAY - drillers description. (MUDSTONE - PENNINE LOWER COAL MEASURES).
							4.20	147.60		Weak grey brown MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
							8.40	143.40		Black COAL. (PENNINE LOWER COAL MEASURES).
							8.60	143.20		Grey MUDSTONE. (PENNINE LOWER COAL MEASURES).
							9.00	142.80		End of borehole at 9.00 m

Remarks

Rotary Core Log

Borehole No.
RH209
Sheet 1 of 1

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords:	423690.00 - 427476.00	Hole Type RO
Location:	Bankwood Way, Birstall		Level:	151.55	Scale 1:50
Client:	Lidl GB Limited		Dates:	08/09/2020 - 08/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
										Brick and concrete fill - drillers description. (PRESUMED PILE FOUNDATION).
							3.20	148.35		Firm yellowish brown CLAY with fragments of fine grained sandstone - drillers description. (SANDSTONE - PENNINE LOWER COAL MEASURES).
							4.50	147.05		Weak brown MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
							9.00	142.55		End of borehole at 9.00 m

1 2 3 4 5 6 7 8 9 10

Remarks

AGS

Rotary Core Log

Borehole No.
RH210
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423702.00 - 427457.00	Hole Type RO
Location: Bankwood Way, Birstall		Level: 151.83	Scale 1:50
Client: Lidl GB Limited		Dates: 09/09/2020 - 09/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.30	151.53		Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone. (SUBBASE).
							1.30	150.53		Firm brown CLAY with fragments of fine grained sandstone - drillers description. (REWORKED NATURAL STRATA).
							4.10	147.73		Dark brown CLAY - drillers description. (REWORKED NATURAL STRATA).
							5.20	146.63		Grey brown CLAY with fragments of mudstone - drillers description. (MUDSTONE - PENNINE LOWER COAL MEASURES).
							9.00	142.83		Grey brown MUDSTONE - drillers description. (PENNINE LOWER COAL MEASURES).
										End of borehole at 9.00 m

1 2 3 4 5 6 7 8 9 10

Remarks

AGS

Rotary Core Log

Borehole No.
RH211
Sheet 1 of 3

Project Name:	Bankwood Way. Birstall	Project No. 076893	Co-ords:	423713.00 - 427415.00	Hole Type RC
Location:	Bankwood Way, Birstall		Level:	150.22	Scale 1:40
Client:	Lidl GB Limited		Dates:	10/09/2020 - 11/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.30	149.92		Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. (SUBBASE).
										Reworked natural recovered as dark greyish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of mudstone, sandstone and coal with rare brick and timber. (MADE GROUND).
							7.20	143.02		LANDFILL WASTE within a black clayey matrix. Waste comprises plastic bags, carpet, rubber and tyres, timber, metal, metal wire, and brick, concrete and sandstone cobbles. Recovered wet from 3.5mbgl. (MADE GROUND).
										Continued on next sheet

1 2 3 4 5 6 7 8

Remarks

AGS

Rotary Core Log

Borehole No. **RH211**

Sheet 2 of 3

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423713.00 - 427415.00	Hole Type RC
Location: Bankwood Way, Birstall		Level: 150.22	Scale 1:40
Client: Lidl GB Limited		Dates: 10/09/2020 - 11/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
		12.50 - 13.00	B				12.50	137.72		Extremely weak to weak thickly laminated dark greyish brown MUDSTONE. Discontinuities: widely spaced, sub-horizontal (10 degrees), planar, open, locally clay filled. Orangish brown staining confined to fracture and bedding planes. Recovered non-intact from 12.6mbgl to 13.1mbgl and 13.5mbgl to 13.75mbgl.
		12.00 - 13.50	2	63	20	0				
		13.15 - 13.25	U							
		13.35 - 13.50	U							
		13.75 - 13.85	U				13.75	136.47		
							13.85	136.37		Medium strong to strong light grey thinly cross bedded fine grained SANDSTONE.
		14.20 - 14.30	U							Extremely weak to weak thickly laminated dark greyish brown silty MUDSTONE. Discontinuities: widely spaced, sub-horizontal (10 degrees), planar and closed. Orangish brown oxidation staining confined to fracture and bedding planes.
		13.50 - 15.00	10	100	66	40				
		14.60 - 14.70	U				14.50	135.72		Weak thinly laminated dark grey clayey SILTSTONE. Discontinuities: widely spaced, sub-horizontal (10 degrees), planar, closed. Orangish brown oxidation staining confined to fracture and bedding planes. Locally non-intact.
							14.90	135.32		
							15.00	135.22		Medium strong light grey silty fine grained SANDSTONE.
		15.00 - 16.50	8	53	10	0				No recovery.
							15.60	134.62		
		15.70 - 16.10	B				15.70	134.52		Medium strong to strong light brown fine to medium grained SANDSTONE.
										Extremely weak to weak thickly laminated grey

Continued on next sheet

Remarks

AGS

Rotary Core Log

Borehole No. **RH211** Sheet 3 of 3

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423713.00 - 427415.00	Hole Type RC
Location: Bankwood Way, Birstall		Level: 150.22	Scale 1:40
Client: Lidl GB Limited		Dates: 10/09/2020 - 11/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
		16.20 - 16.40	U				16.10	134.12		locally orangish brown oxidation stained silty MUDSTONE recovered non-intact. Weak to strong grey clayey SILTSTONE. Locally non-intact.
							16.50	133.72		No recovery.
		16.50 - 18.00	0	33	10	0				
							17.40	132.82		Weak to strong grey clayey SILTSTONE. Locally non-intact.
		17.80 - 18.00	U							
							18.00	132.22		No recovery.
		18.00 - 19.50	6	50	25	10	18.75	131.47		Extremely weak to medium strong thinly laminated grey silty MUDSTONE. Recovered locally non-intact.
		18.80 - 18.90	U							
		19.00 - 19.10	U							
		19.30 - 19.40	U				19.20	131.02		Exremely weak to medium strong grey clayey SILTSTONE. Recovered locally non-intact.
							19.50	130.72		No recovery.
		19.50 - 21.00	3	33	0	0				
		20.50 - 20.90	B				20.50	129.72		Extremely weak to medium strong grey clayey SILTSTONE. Recovered locally non-intact.
		20.90 - 21.00	U							
		21.10 - 21.30	U							
		21.30 - 21.50	U				21.30	128.92		Medium strong to strong grey thinly laminated slightly silty MUDSTONE. Discontinuities: widely spaced, sub-horizontal (20 degrees), planar, closed, locally clay filled.
		21.00 - 22.50	10	85	40	30				
		22.10 - 22.30	U							
							22.50	127.72		End of borehole at 22.50 m

Remarks

Rotary Core Log

Borehole No. **RH212**

Sheet 1 of 2

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423685.00 - 427411.00	Hole Type RC
Location: Bankwood Way, Birstall		Level: 150.30	Scale 1:40
Client: Lidl GB Limited		Dates: 11/09/2020 - 11/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
							0.10	150.20		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
							0.40	149.90		Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. (SUBBASE).
										Soft brown CLAY - drillers description. (REWORKED NATURAL STRATA). Concrete and rebar encountered from 2.2mbgl to 2.7mbgl - presumed pile foundation.
							5.20	145.10		Extremely weak to weak thinly laminated orangish brown mottled grey MUDSTONE. Poor recovery to 7.1mbgl - mudstone "scrubbed" by timber and concrete.
		6.00 - 7.50	0	20	0	0				
		7.30 - 7.50	U							
							7.50	142.80		No recovery

Continued on next sheet

Remarks

Rotary Core Log

Borehole No. **RH212**

Sheet 2 of 2

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423685.00 - 427411.00	Hole Type RC
Location: Bankwood Way, Birstall		Level: 150.30	Scale 1:40
Client: Lidl GB Limited		Dates: 11/09/2020 - 11/09/2020	Logged By

Well	Water Strikes	Depth (m)	Type / FI	Coring TCR	Coring SCR	Coring RQD	Depth (m)	Level (m)	Legend	Stratum Description
		7.50 - 9.00	0	20	0	0	8.60	141.70		Extremely weak to weak thickly laminated orangish brown mottled grey MUDSTONE recovered locally non-intact.
		8.80 - 9.00	U				9.00	141.30		No recovery.
		9.00 - 10.50	C	66	40	15	9.50	140.80		Medium strong dark greyish brown thickly laminated locally orangish brown oxidation stained MUDSTONE. Discontinuities: widely spaced, sub-horizontal, rough, open, locally clay filled.
		9.70 - 9.80	U							
		9.90 - 10.00	U							
		10.25 - 10.35	U				10.25	140.05		Extremely weak to weak dark grey clayey SILTSTONE.
							10.50	139.80		End of borehole at 10.50 m

Remarks

AGS

Trial Pit Log

Trialpit No
TT201A
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423776.00 - 427472.00 Level: 149.10	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 4.30	Scale 1:25
Client: Lidl GB Limited			Logged

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grey and brown slightly clayey slightly sandy GRAVEL with moderate cobble content. Gravel is angular to subangular fine to coarse of concrete, brick and sandstone with rare fragments of tile, glass, metal and wire. Cobbles are subangular brick, sandstone and concrete. (DEMOLITION FILL).
				1.00	148.10		Reworked natural recovered as greyish brown slightly sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of sandstone, brick and concrete with occasional fragments of plastic bags and timber. Occasional subangular cobbles of brick and concrete. (MADE GROUND).
				2.00	147.10		Orangish brown fine grained SANDSTONE. (PENNINE LOWER COAL MEASURES).
				2.50	146.60		Weak dark greyish brown thinly laminated MUDSTONE recovered as angular gravel. (PENNINE LOWER COAL MEASURES).
				3.40	145.70		Black COAL recovered as angular to subangular fine to coarse gravel. (PENNINE LOWER COAL MEASURES).
				4.00	145.10		Extremely weathered MUDSTONE recovered as soft grey mottled orangish brown slightly silty slightly gravelly clay. Gravel is angular to subrounded fine to coarse of mudstone and coal. (PENNINE LOWER COAL MEASURES).
				4.30	144.80		End of pit at 4.30 m

1 2 3 4 5

Remarks:

Stability:

AGS

Trial Pit Log

Trialpit No
TT201e
Sheet 1 of 2

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423773.00 - 427468.00 Level: 149.10	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 5.20	Scale 1:25
Client: Lidl GB Limited			Logged

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
							Grey and brown slightly clayey slightly sandy GRAVEL with moderate cobble content. Gravel is angular to subangular fine to coarse of concrete, brick and sandstone with rare fragments of tile, glass, metal and wire. Cobbles are subangular concrete and brick. (DEMOLITION FILL).
				0.40	148.70		Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. (SUBBASE).
				0.80	148.30		Reworked natural recovered as greyish brown slightly sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, brick and concrete with occasional fragments of plastic bags, timber, rebar and timber. Cobbles are subangular brick and concrete. (MADE GROUND).
				2.50	146.60		Loose black angular fine to medium GRAVEL of coal. 3 No. concrete piles with metal rebar at 3mbgl located in the southern face of the trench. (LOOSE FILL - POTENTIAL COAL MINE TAILINGS/COLLAPSED WORKINGS).
				5.00	144.10		Continued on next sheet

1 2 3 4 5

Remarks:

Stability:

AGS

Trial Pit Log

Trialpit No
TT201e
Sheet 2 of 2

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423773.00 - 427468.00 Level: 149.10	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 5.20	Scale 1:25
Client: Lidl GB Limited			Logged

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				5.20	143.90		Extremely weathered MUDSTONE recovered as soft grey mottled orangish brown slightly silty slightly gravelly clay. Gravel is angular to subrounded fine to coarse of mudstone and coal. End of pit at 5.20 m

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Remarks:

Stability:

AGS

Trial Pit Log

Trialpit No **TT201w** Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423773.00 - 427468.00 Level: 149.10	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 5.00	Scale 1:25
Client: Lidl GB Limited			Logged

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.00 - 0.40	ES B D					Grey and brown slightly clayey slightly sandy GRAVEL with moderate cobble content. Gravel is angular to subangular fine to coarse of concrete, brick and sandstone with rare fragments of tile, glass, metal and wire. (DEMOLITION FILL).
	0.40 - 0.80	B D		0.40	148.70		Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. White geotextile membrane at the base. (SUBBASE).
	1.00 - 1.50	ES B D		0.80	148.30		Reworked natural recovered as greyish brown slightly sandy gravelly CLAY with low cobble content. Gravel is angular to subrounded fine to coarse of sandstone, brick and concrete with occasional fragments of plastic bags, timber, rebar and timber. (MADE GROUND).
	3.00 - 3.50	B D		2.50	146.60		Reworked natural recovered as soft to firm greyish brown slighly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of mudstone, sandstone and coal. (MADE GROUND).
				5.00	144.10		End of pit at 5.00 m

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Remarks:

Stability:

Trial Pit Log

Trialpit No
TT202
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423676.00 - 427367.00 Level: 149.36	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 5.00	Scale 1:25 Logged
Client: Lidl GB Limited			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.30 - 0.50	ES B D					Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. (SUBBASE).
				0.50	148.86		Grey and brown slightly clayey slightly sandy GRAVEL with low cobble content. Gravel is angular to subangular fine to coarse of concrete, brick and sandstone with rare fragments of tile, glass, metal and wire. Cobbles are subangular brick and concrete. (DEMOLITION FILL).
				0.80	148.56		LANDFILL WASTE within a black clayey matrix. Waste comprises plastic bags, plastic drums, carpet, rubber and tyres, timber, metal, metal wire, and brick, concrete and sandstone cobbles. Strong putrid/organic odour. (MADE GROUND).
▼				4.50	144.86		Extremely weathered MUDSTONE recovered as firm to stiff brown mottled orange and grey slightly gravelly clay. Gravel is angular to subangular fine to coarse of mudstone. (PENNINE LOWER COAL MEASURES).
				5.00	144.36		End of pit at 5.00 m

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Remarks:

Stability:

AGS

Trial Pit Log

Trialpit No
TT203
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423672.00 - 427369.00 Level: 149.43	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 2.60	Scale 1:25 Logged
Client: Lidl GB Limited			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
							Grey and brown slightly clayey slightly sandy GRAVEL with low cobble content. Gravel is angular to subangular fine to coarse of concrete, brick and sandstone. Cobbles are subangular brick and concrete. (DEMOLITION FILL).
				0.40	149.03		
				0.50	148.93		Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. White geotextile membrane at the base. (SUBBASE).
							LANDFILL WASTE within a black clayey matrix. Waste comprises plastic bags, plastic drums, carpet, rubber and tyres, timber, metal, metal wire, and brick, concrete and sandstone cobbles. Strong putrid/organic odour. (MADE GROUND).
				1.50	147.93		Extremely weathered MUDSTONE recovered as firm to stiff brown mottled orange and grey slightly gravelly clay. Gravel is angular to subangular fine to coarse of mudstone. (PENNINE LOWER COAL MEASURES).
▼	2.00 - 2.50	ES B D					
				2.60	146.83		End of pit at 2.60 m

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Remarks:

Stability:

Trial Pit Log

Trialpit No
TT204A
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423656.00 - 427397.00 Level: 150.30	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 3.80	Scale 1:25
Client: Lidl GB Limited			Logged

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.05	150.25		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
							Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. White geotextile membrane at the base. (SUBBASE).
				0.80	149.50		Reworked natural recovered as loose orangish brown and dark grey mottled orange slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of mudstone. (MADE GROUND).
	2.00 - 2.50	B D					
▼				3.40	146.90		Firm to stiff grey CLAY with thin bands of coal. (SEAT EARTH).
				3.80	146.50		End of pit at 3.80 m

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Remarks:

Stability:

Trial Pit Log

Trialpit No
TT204B
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423663.00 - 427401.00 Level: 150.28	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 3.50	Scale 1:25
Client: Lidl GB Limited			Logged

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.10	ES		0.10	150.18		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
	0.50 - 0.60	ES D					Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. White geotextile membrane at the base. (SUBBASE).
	1.00 - 1.50	D		1.00	149.28		Orangish brown fine grained SANDSTONE. (PENNINE LOWER COAL MEASURES).
				1.60	148.68		Weak to medium strong orangish brown and dark grey thinly laminated MUDSTONE recovered as clayey angular to subangular gravel. Large void from 1.5mbgl to 3.0mbgl in the northern face of the trench. (PENNINE LOWER COAL MEASURES).
				3.50	146.78		End of pit at 3.50 m

Remarks:

Stability:

Trial Pit Log

Trialpit No
TT204C
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423671.00 - 427408.00 Level: 150.34	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 3.20	Scale 1:25
Client: Lidl GB Limited			Logged

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.10	150.24		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL). Reworked natural recovered as dark greyish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of mudstone. (MADE GROUND).
	1.00 - 1.50	B D					
				2.10	148.24		Weak to medium strong orangish brown and dark grey thinly laminated MUDSTONE recovered as clayey angular to subangular gravel. (PENNINE LOWER COAL MEASURES).
	2.20 - 2.70	B D					
				2.80	147.54		Black COAL recovered as angular to subangular fine to coarse gravel. (PENNINE LOWER COAL MEASURES).
				3.20	147.14		End of pit at 3.20 m

Remarks:

Stability:

Trial Pit Log

Trialpit No
TT205
Sheet 1 of 1

Project Name: Bankwood Way. Birstall	Project No. 076893	Co-ords: 423702.00 - 427468.00 Level: 151.13	Date 01/09/2020
Location: Bankwood Way, Birstall		Dimensions (m): Depth 3.50	Scale 1:25
Client: Lidl GB Limited			Logged

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.10	ES D		0.10	151.03		Grey and brown slightly clayey slightly sandy angular to subangular fine to coarse GRAVEL of concrete, brick and sandstone. (DEMOLITION FILL).
							Creamish brown clayey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and sandstone. White geotextile membrane at the base. (SUBBASE).
				0.70	150.43		Reworked natural recovered as dark greyish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of mudstone and sandstone with rare concrete and brick. (MADE GROUND).
	1.00 - 1.50	B D					
				3.40	147.73		Orangish brown fine grained SANDSTONE. (PENNINE LOWER COAL MEASURES).
				3.50	147.63		End of pit at 3.50 m

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Remarks:

Stability:

AGS

Appendix D Chemical Laboratory Testing Results

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Ground Floor
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LS9 8EE

Redacted

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7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
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e: reception@i2analytical.com

Analytical Report Number : 20-30259

Project / Site name:	Lidl - Bankwood Way, Birstall	**Samples received on:**	04/09/2020
Your job number:	76893	**Samples instructed on/ Analysis started on:**	15/09/2020
Your order number:	EBLE965	**Analysis completed by:**	24/09/2020
Report Issue Number:	1	**Report issued on:**	24/09/2020
Samples Analysed:	9 soil samples		

Redacted

Signe

Agnieszka Czerwińska
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621296	1621297	1621298	1621299
Sample Reference				BH201	BH202	BH203	BH203
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50-2.60	4.00-4.10	3.00-3.50	6.50-7.00
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	15	25	22	36
Total mass of sample received	kg	0.001	NONE	2	1.2	2	0.1
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics							
pH - Automated	pH Units	N/A	MCERTS	7.5	7.4	8.5	8.2
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	2
Free Cyanide	mg/kg	1	MCERTS	-	< 1	< 1	< 1
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	980	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.49	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	493	-	-	-
Ammoniacal Nitrogen as N	mg/kg	0.5	MCERTS	-	150	88	31
Ammonia as NH3	mg/kg	0.5	MCERTS	-	180	110	38
Ammonium as NH4	mg/kg	0.5	MCERTS	-	190	110	40
Organic Matter	%	0.1	MCERTS	2.7	7.4	4.4	9.9
Phenols by HPLC							
Catechol	mg/kg	0.1	ISO 17025	-	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	ISO 17025	-	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	ISO 17025	-	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	ISO 17025	-	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	ISO 17025	-	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	ISO 17025	-	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	ISO 17025	-	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.3	ISO 17025	-	< 0.30	< 0.30	< 0.30
Total Phenols							
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	-
Total Phenols (HPLC)	mg/kg	1.3	ISO 17025	-	< 1.3	< 1.3	< 1.3
Speciated PAHs							
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	0.49	-	-	-
Fluorene	mg/kg	0.05	MCERTS	0.31	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	2.4	-	-	-
Anthracene	mg/kg	0.05	MCERTS	0.66	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	2.6	-	-	-
Pyrene	mg/kg	0.05	MCERTS	2	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.1	-	-	-
Chrysene	mg/kg	0.05	MCERTS	0.65	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.39	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.76	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.35	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.41	-	-	-
Total PAH							

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621296	1621297	1621298	1621299
Sample Reference				BH201	BH202	BH203	BH203
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50-2.60	4.00-4.10	3.00-3.50	6.50-7.00
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	13.2	-	-	-
Heavy Metals / Metalloids							
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.3	43	21	20
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	4.4	2.3	1.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	38	1.8
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	32	71	55	160
Copper (aqua regia extractable)	mg/kg	1	MCERTS	29	220	140	130
Lead (aqua regia extractable)	mg/kg	1	MCERTS	28	250	230	290
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.6
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	27	65	38	32
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	2.7	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	87	450	620	670
Monoaromatics & Oxygenates							
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	33	20
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	60	10
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	34	13
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	7.5	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons							
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	0.15
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	2	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	24	24	26
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	89	63	110
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	590	410	720
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	710	500	860
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	0.033	0.02
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	0.15	0.045
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	1.2	2.2	2.8
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	12	12	24
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	120	97	150
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	390	360	620
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	520	470	800
VOCs							
Chloromethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
Chloroethane	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0
Bromomethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621296	1621297	1621298	1621299
Sample Reference				BH201	BH202	BH203	BH203
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50-2.60	4.00-4.10	3.00-3.50	6.50-7.00
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
1,1-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0
Benzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	-	< 1.0	33	20
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	60	10
p & m-Xylene	µg/kg	1	MCERTS	-	< 1.0	34	13
Styrene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0
o-Xylene	µg/kg	1	MCERTS	-	< 1.0	7.5	< 1.0
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0	13	< 1.0
tert-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0	31	22
sec-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	< 1.0	5	8.5
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0

SVOCs

Aniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	< 0.2	1.4
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621296	1621297	1621298	1621299
Sample Reference				BH201	BH202	BH203	BH203
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50-2.60	4.00-4.10	3.00-3.50	6.50-7.00
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	0.4	< 0.2	2.1
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	-	1.9	0.78	1.8
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	1.9	0.7	1.6
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.22
Acenaphthene	mg/kg	0.05	MCERTS	-	1.8	0.96	2.7
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	1.2	0.6	1.6
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	0.3	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2
Fluorene	mg/kg	0.05	MCERTS	-	1.8	1.1	3
Azobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	-	10	5.6	14
Anthracene	mg/kg	0.05	MCERTS	-	3	1.5	3.3
Carbazole	mg/kg	0.3	MCERTS	-	0.8	0.5	1.1
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	0.5	< 0.2	0.5
Anthraquinone	mg/kg	0.3	MCERTS	-	0.6	< 0.3	0.8
Fluoranthene	mg/kg	0.05	MCERTS	-	14	7.1	17
Pyrene	mg/kg	0.05	MCERTS	-	12	6.1	15
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	7.3	3.8	8.5
Chrysene	mg/kg	0.05	MCERTS	-	4.9	2.5	5.5
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	8.1	3.5	7.8
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	3.3	1.5	4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	6.7	3	6.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	2.8	1.4	2.8
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	0.86	0.42	0.76
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	3.1	1.4	2.8

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621296	1621297	1621298	1621299
Sample Reference				BH201	BH202	BH203	BH203
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50-2.60	4.00-4.10	3.00-3.50	6.50-7.00
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621300	1621301	1621302	1621303
Sample Reference				BH201	BH202	TT201	TT201
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50-1.00	1.00-1.10	0.00-0.40	1.00-1.50
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	12	9.7	4.6	16
Total mass of sample received	kg	0.001	NONE	1.2	1.3	1.2	1.3
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics							
pH - Automated	pH Units	N/A	MCERTS	9.9	9.4	12.5	7
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	610	130	13	140
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.31	0.067	0.0063	0.068
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	305	66.9	6.3	68
Ammoniacal Nitrogen as N	mg/kg	0.5	MCERTS	-	-	-	-
Ammonia as NH3	mg/kg	0.5	MCERTS	-	-	-	-
Ammonium as NH4	mg/kg	0.5	MCERTS	-	-	-	-
Organic Matter	%	0.1	MCERTS	0.6	0.5	1.1	4.3
Phenols by HPLC							
Catechol	mg/kg	0.1	ISO 17025	-	-	-	-
Resorcinol	mg/kg	0.1	ISO 17025	-	-	-	-
Cresols (o-, m-, p-)	mg/kg	0.3	ISO 17025	-	-	-	-
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	ISO 17025	-	-	-	-
2-Isopropylphenol	mg/kg	0.1	ISO 17025	-	-	-	-
Phenol	mg/kg	0.1	ISO 17025	-	-	-	-
Trimethylphenol (2,3,5-)	mg/kg	0.1	ISO 17025	-	-	-	-
Total Xylenols and Ethylphenols	mg/kg	0.3	ISO 17025	-	-	-	-
Total Phenols							
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Total Phenols (HPLC)	mg/kg	1.3	ISO 17025	-	-	-	-
Speciated PAHs							
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH							

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621300	1621301	1621302	1621303
Sample Reference				BH201	BH202	TT201	TT201
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50-1.00	1.00-1.10	0.00-0.40	1.00-1.50
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids							
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	4.4	9.4
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	0.3	0.2	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	< 0.2	0.9	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8.1	14	11	29
Copper (aqua regia extractable)	mg/kg	1	MCERTS	6.6	10	10	31
Lead (aqua regia extractable)	mg/kg	1	MCERTS	13	10	10	29
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7	14	7.8	37
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	2
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	78	43	51	89
Monoaromatics & Oxygenates							
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons							
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	17	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	110	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	120	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10
VOCs							
Chloromethane	µg/kg	1	ISO 17025	-	-	-	-
Chloroethane	µg/kg	1	NONE	-	-	-	-
Bromomethane	µg/kg	1	ISO 17025	-	-	-	-
Vinyl Chloride	µg/kg	1	NONE	-	-	-	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-	-	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-	-	-

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621300	1621301	1621302	1621303
Sample Reference				BH201	BH202	TT201	TT201
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50-1.00	1.00-1.10	0.00-0.40	1.00-1.50
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-
Trichloromethane	µg/kg	1	MCERTS	-	-	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-	-	-
Benzene	µg/kg	1	MCERTS	-	-	-	-
Tetrachloromethane	µg/kg	1	MCERTS	-	-	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-	-	-
Trichloroethene	µg/kg	1	MCERTS	-	-	-	-
Dibromomethane	µg/kg	1	MCERTS	-	-	-	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-	-	-
Toluene	µg/kg	1	MCERTS	-	-	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-	-	-
Tetrachloroethene	µg/kg	1	NONE	-	-	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-	-	-
Chlorobenzene	µg/kg	1	MCERTS	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-	-	-
p & m-Xylene	µg/kg	1	MCERTS	-	-	-	-
Styrene	µg/kg	1	MCERTS	-	-	-	-
Tribromomethane	µg/kg	1	NONE	-	-	-	-
o-Xylene	µg/kg	1	MCERTS	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-	-	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-	-	-
Bromobenzene	µg/kg	1	MCERTS	-	-	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-	-	-
Butylbenzene	µg/kg	1	MCERTS	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621300	1621301	1621302	1621303
Sample Reference				BH201	BH202	TT201	TT201
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50-1.00	1.00-1.10	0.00-0.40	1.00-1.50
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621300	1621301	1621302	1621303
Sample Reference				BH201	BH202	TT201	TT201
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50-1.00	1.00-1.10	0.00-0.40	1.00-1.50
Date Sampled				03/09/2020	03/09/2020	03/09/2020	03/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621304
Sample Reference				TT202
Sample Number				None Supplied
Depth (m)				0.30-0.50
Date Sampled				03/09/2020
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	N/A	NONE	6.7
Total mass of sample received	kg	0.001	NONE	1.4
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected
General Inorganics				
pH - Automated	pH Units	N/A	MCERTS	11.1
Total Cyanide	mg/kg	1	MCERTS	< 1
Free Cyanide	mg/kg	1	MCERTS	-
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	950
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.47
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	474
Ammoniacal Nitrogen as N	mg/kg	0.5	MCERTS	-
Ammonia as NH3	mg/kg	0.5	MCERTS	-
Ammonium as NH4	mg/kg	0.5	MCERTS	-
Organic Matter	%	0.1	MCERTS	1.7
Phenols by HPLC				
Catechol	mg/kg	0.1	ISO 17025	-
Resorcinol	mg/kg	0.1	ISO 17025	-
Cresols (o-, m-, p-)	mg/kg	0.3	ISO 17025	-
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	ISO 17025	-
2-Isopropylphenol	mg/kg	0.1	ISO 17025	-
Phenol	mg/kg	0.1	ISO 17025	-
Trimethylphenol (2,3,5-)	mg/kg	0.1	ISO 17025	-
Total Xylenols and Ethylphenols	mg/kg	0.3	ISO 17025	-
Total Phenols				
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0
Total Phenols (HPLC)	mg/kg	1.3	ISO 17025	-
Speciated PAHs				
Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.82
Anthracene	mg/kg	0.05	MCERTS	0.2
Fluoranthene	mg/kg	0.05	MCERTS	0.55
Pyrene	mg/kg	0.05	MCERTS	0.72
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.39
Chrysene	mg/kg	0.05	MCERTS	0.33
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.34
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.29
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.34
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05
Total PAH				

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Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621304
Sample Reference				TT202
Sample Number				None Supplied
Depth (m)				0.30-0.50
Date Sampled				03/09/2020
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	3.98
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.5
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.5
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	13
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	9.6
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	49
Monoaromatics & Oxygenates				
Benzene	µg/kg	1	MCERTS	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0
Petroleum Hydrocarbons				
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	10
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	30
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	790
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	830
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	19
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	59
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	550
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	630
VOCs				
Chloromethane	µg/kg	1	ISO 17025	-
Chloroethane	µg/kg	1	NONE	-
Bromomethane	µg/kg	1	ISO 17025	-
Vinyl Chloride	µg/kg	1	NONE	-
Trichlorofluoromethane	µg/kg	1	NONE	-
1,1-Dichloroethene	µg/kg	1	NONE	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621304
Sample Reference				TT202
Sample Number				None Supplied
Depth (m)				0.30-0.50
Date Sampled				03/09/2020
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
1,1-Dichloroethane	µg/kg	1	MCERTS	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-
Trichloromethane	µg/kg	1	MCERTS	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-
Benzene	µg/kg	1	MCERTS	-
Tetrachloromethane	µg/kg	1	MCERTS	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-
Trichloroethene	µg/kg	1	MCERTS	-
Dibromomethane	µg/kg	1	MCERTS	-
Bromodichloromethane	µg/kg	1	MCERTS	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-
Toluene	µg/kg	1	MCERTS	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-
Dibromochloromethane	µg/kg	1	ISO 17025	-
Tetrachloroethene	µg/kg	1	NONE	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-
Chlorobenzene	µg/kg	1	MCERTS	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-
Ethylbenzene	µg/kg	1	MCERTS	-
p & m-Xylene	µg/kg	1	MCERTS	-
Styrene	µg/kg	1	MCERTS	-
Tribromomethane	µg/kg	1	NONE	-
o-Xylene	µg/kg	1	MCERTS	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-
Isopropylbenzene	µg/kg	1	MCERTS	-
Bromobenzene	µg/kg	1	MCERTS	-
n-Propylbenzene	µg/kg	1	ISO 17025	-
2-Chlorotoluene	µg/kg	1	MCERTS	-
4-Chlorotoluene	µg/kg	1	MCERTS	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-
tert-Butylbenzene	µg/kg	1	MCERTS	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-
sec-Butylbenzene	µg/kg	1	MCERTS	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-
Butylbenzene	µg/kg	1	MCERTS	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-

SVOCs

Aniline	mg/kg	0.1	NONE	-
Phenol	mg/kg	0.2	ISO 17025	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621304
Sample Reference				TT202
Sample Number				None Supplied
Depth (m)				0.30-0.50
Date Sampled				03/09/2020
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-
2-Methylphenol	mg/kg	0.3	MCERTS	-
Hexachloroethane	mg/kg	0.05	MCERTS	-
Nitrobenzene	mg/kg	0.3	MCERTS	-
4-Methylphenol	mg/kg	0.2	NONE	-
Isophorone	mg/kg	0.2	MCERTS	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-
Naphthalene	mg/kg	0.05	MCERTS	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-
4-Chloroaniline	mg/kg	0.1	NONE	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-
Acenaphthylene	mg/kg	0.05	MCERTS	-
Acenaphthene	mg/kg	0.05	MCERTS	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-
Dibenzofuran	mg/kg	0.2	MCERTS	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-
Fluorene	mg/kg	0.05	MCERTS	-
Azobenzene	mg/kg	0.3	MCERTS	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-
Phenanthrene	mg/kg	0.05	MCERTS	-
Anthracene	mg/kg	0.05	MCERTS	-
Carbazole	mg/kg	0.3	MCERTS	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-
Anthraquinone	mg/kg	0.3	MCERTS	-
Fluoranthene	mg/kg	0.05	MCERTS	-
Pyrene	mg/kg	0.05	MCERTS	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-
Chrysene	mg/kg	0.05	MCERTS	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-

Analytical Report Number: 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1621304
Sample Reference				TT202
Sample Number				None Supplied
Depth (m)				0.30-0.50
Date Sampled				03/09/2020
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1621296	BH201	None Supplied	2.50-2.60	Brown clay with gravel and vegetation.
1621297	BH202	None Supplied	4.00-4.10	Brown clay with plastic and vegetation.
1621298	BH203	None Supplied	3.00-3.50	Brown clay with plastic and vegetation.
1621299	BH203	None Supplied	6.50-7.00	Brown clay with vegetation and plastic.
1621300	BH201	None Supplied	0.50-1.00	Brown loam and clay with gravel.
1621301	BH202	None Supplied	1.00-1.10	Light brown clay and sand with gravel.
1621302	TT201	None Supplied	0.00-0.40	Light brown loam and sand with rubble.
1621303	TT201	None Supplied	1.00-1.50	Brown clay and sand with gravel.
1621304	TT202	None Supplied	0.30-0.50	Brown loam and clay with rubble.

Analytical Report Number : 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Phenols, speciated, in soil, by HPLC	Determination of speciated phenols by HPLC.	In house method based on Blue Book Method.	L030-PL	W	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
D.O. for Gravimetric Quant if free fibres detected	Dependent option for Gravimetric Quant if Screen/ID positive for free fibres	In house asbestos methods A001 & A006.	A006-PL	D	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS

Analytical Report Number : 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Ammonia as NH3 in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	MCERTS
Ammoniacal Nitrogen as N in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method,10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	MCERTS
Ammonium as NH4 in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Sample Deviation Report

Analytical Report Number : 20-30259
Project / Site name: Lidl - Bankwood Way, Birstall

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH201	None Supplied	S	1621296	c	Total cyanide in soil	L080-PL	c
BH201	None Supplied	S	1621300	c	Total cyanide in soil	L080-PL	c
BH202	None Supplied	S	1621297	c	Free cyanide in soil	L080-PL	c
BH202	None Supplied	S	1621297	c	Total cyanide in soil	L080-PL	c
BH202	None Supplied	S	1621301	c	Total cyanide in soil	L080-PL	c
BH203	None Supplied	S	1621298	c	Free cyanide in soil	L080-PL	c
BH203	None Supplied	S	1621298	c	Total cyanide in soil	L080-PL	c
BH203	None Supplied	S	1621299	c	Free cyanide in soil	L080-PL	c
BH203	None Supplied	S	1621299	c	Total cyanide in soil	L080-PL	c
TT201	None Supplied	S	1621302	c	Total cyanide in soil	L080-PL	c
TT201	None Supplied	S	1621303	c	Total cyanide in soil	L080-PL	c
TT202	None Supplied	S	1621304	c	Total cyanide in soil	L080-PL	c

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Analytical Report Number : 20-30424

Project / Site name:	Lidl - Bankwood Way, Birstall	**Samples received on:**	14/09/2020
Your job number:	76893	**Samples instructed on/ Analysis started on:**	15/09/2020
Your order number:	EBLE965	**Analysis completed by:**	24/09/2020
Report Issue Number:	1	**Report issued on:**	24/09/2020
Samples Analysed:	1 soil sample		

Redacted

Signed

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 20-30424
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1622053
Sample Reference				TT204A
Sample Number				None Supplied
Depth (m)				2.00-2.50
Date Sampled				01/09/2020
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	N/A	NONE	70
Total mass of sample received	kg	0.001	NONE	0.57
General Inorganics				
Organic Matter	%	0.1	MCERTS	20

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 20-30424
Project / Site name: Lidl - Bankwood Way, Birstall

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1622053	TT204A	None Supplied	2.00-2.50	Brown loam and clay with gravel.

Analytical Report Number : 20-30424
Project / Site name: Lidl - Bankwood Way, Birstall

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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Analytical Report Number : 20-30511

Project / Site name:	Lidl - Bankwood Way, Birstall	**Samples received on:**	14/09/2020
Your job number:	76893	**Samples instructed on/ Analysis started on:**	14/09/2020
Your order number:	EBLE965	**Analysis completed by:**	28/09/2020
Report Issue Number:	1	**Report issued on:**	28/09/2020
Samples Analysed:	6 soil samples		

Redacted

Signe

Agnieszka Czerwińska
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 20-30511
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1622387	1622388	1622389	1622390
Sample Reference				BH203	BH201	TT204B	BH202
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				6.50-7.00	0.50-0.80	0.50-0.60	1.00-1.50
Date Sampled				05/09/2020	03/09/2020	01/09/2020	04/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	31	14	9.9	10
Total mass of sample received	kg	0.001	NONE	0.7	1.3	0.6	1
General Inorganics							
pH - Automated	pH Units	N/A	MCERTS	7.6	9	9	9.1
Total Sulphate as SO4	%	0.005	MCERTS	0.14	0.096	0.05	0.056
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.38	0.19	0.031	0.13
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	379	189	30.9	128
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	250	7.1	16	15
Total Sulphur	%	0.005	MCERTS	0.312	0.059	0.028	0.028
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	< 2.0	< 2.0	< 2.0	< 2.0
Heavy Metals / Metalloids							
Magnesium (water soluble)	mg/kg	5	NONE	48	26	13	11
Magnesium (leachate equivalent)	mg/l	2.5	NONE	24	13	6.4	5.7

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 20-30511
Project / Site name: Lidl - Bankwood Way, Birstall
Your Order No: EBLE965

Lab Sample Number				1622391	1622392
Sample Reference				BH201	BH202
Sample Number				None Supplied	None Supplied
Depth (m)				13.00-13.50	4.00-4.50
Date Sampled				03/09/2020	04/09/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	14	29
Total mass of sample received	kg	0.001	NONE	0.5	0.6
General Inorganics					
pH - Automated	pH Units	N/A	MCERTS	6.5	7.7
Total Sulphate as SO4	%	0.005	MCERTS	0.046	0.237
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.076	1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	76.3	1020
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	17	150
Total Sulphur	%	0.005	MCERTS	0.04	0.373
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	< 2.0	< 2.0
Heavy Metals / Metalloids					
Magnesium (water soluble)	mg/kg	5	NONE	24	130
Magnesium (leachate equivalent)	mg/l	2.5	NONE	12	65

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 20-30511
Project / Site name: Lidl - Bankwood Way, Birstall

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Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1622387	BH203	None Supplied	6.50-7.00	Brown clay and loam with vegetation.
1622388	BH201	None Supplied	0.50-0.80	Brown clay and sand with gravel.
1622389	TT204B	None Supplied	0.50-0.60	Brown clay and sand with gravel.
1622390	BH202	None Supplied	1.00-1.50	Brown clay and sand with gravel.
1622391	BH201	None Supplied	13.00-13.50	Brown clay and sand with gravel.
1622392	BH202	None Supplied	4.00-4.50	Brown clay and sand with gravel.

Analytical Report Number : 20-30511
Project / Site name: Lidl - Bankwood Way, Birstall

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES.	In-house method based on TRL 447	L038-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Water Soluble Nitrate (2:1) as N in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry.	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction.	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In house method.	L082-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Appendix E Geotechnical Laboratory Testing Results