

ENVIRONMENTAL PERMIT
APPLICATION SITE CONDITION REPORT

Name of installation	PGM TECHNOLOGIES LIMITED
Permit number	EPR/LB3807HB/A001
Date and version of the application SCR	SCR 28/03/23 v1

1.0 SITE DETAILS

Name of the applicant	PGM TECHNOLOGIES LIMITED
Activity address	Unit 5, Whitelea Grove Trading Est., Mexborough, South Yorkshire, S64 9QP
National grid reference	SK 46521 99955

Document reference and dates for Site Condition Report at permit application and surrender	Application: SCR 28/03/23 v1 Surrender: n/a

Document references for site plans (including location and boundaries)	Site Layout Plan 2022/124/04 Site Location Plan PGM/MCD/01
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2.0 Condition of the land at permit issue

2.1 Environmental setting

2.1.1 Geology

MADE GROUND/FILL	Comments
Type	All fully concreted or asphalted except for an area of natural ground in the western part of the site
Thickness	150-225mm
Remarks	All in good order
DRIFT	
Type	None
Thickness	
Remarks	
SOLID	
Type	Pennine Middle Coal Measures
Thickness	
Remarks	Mudstone, Siltstone and Sandstone – Carboniferous age
Structural Faults or Abnormal Features	

2.1.2 Hydrogeology

STRATA	Aquifer/Soil Leachability EA Classification	Comments
Site Surfacing	Mainly Impermeable	Site is covered by 150 -225mm concrete and asphalt, apart from natural ground to the east (see layout plan)
Made Ground	-	-
Drift Geology	No Data	
Solid Geology	Secondary Aquifer - A	Permeable layers that can support local water supplies, and may form an important source of base flow to rivers
GROUNDWATER	Presence/Location	Comments
Depth(s)	A approx. 2.5m bgl	Some perched water @ 0.2m bgl
Direction of flow	Unknown	
Licensed Water Abstractions	None within 1000m	
Source Protection Zones	None within 1km	-
Groundwater Monitoring	None undertaken	-

1.1.1 Surface waters

SURFACE WATER FEATURE	Location	Comments
GQA Classified River	Don 710m SE	Moderate ecological status Grade C
Unclassified Watercourse(s)	none identified within 1000m	
Canals	Dearne & Dove Canal 400m+ SW, SE	Good ecological status Grade D
Ponds, Lakes, etc.	Pond off Marriot Road 350m S	Not known
Flooding	No flood risk area	
Surface Runoff	Surface run-off from hard-surfaced areas discharged to combined sewer	-

1.1.2 Ecological setting

FEATURES	Location	Comments
SSSI	None within 1 km	-
AONB	None within 1 km	-
Special Areas of Conservation	None within 1 km	-
Other	4 areas of adopted Green Belt within 1000m	-

1.2 Pollution History

1.2.1 Pollution incidents & Discharge Consents

TYPE	Location	Comments
Discharge Consents	9 currently active within 1000m	None nearer than 700m All sewage discharges by water companies
Prosecutions Relating to Controlled Waters	None	
Pollution Incidents to Controlled Waters	15 recorded within 1000m	None nearer than 130m
Substantiated Pollution Incident Register	19 recorded within 1000m	Closest 48m SE – firewater runoff
Integrated Pollution Prevention & Control	1 active within 1000m	886m S

Historical land uses

Copies of Ordnance Survey plans covering this site and adjacent areas are included in Appendix 2, and a summary of the site history based on these plans is given in the table below.

Significant/Potentially Contaminative uses are highlighted in **bold** text

DATE	Site	Adjacent Areas
1893	Open Ground	Manchester, Sheffield S & Lincolnshire Railway and adjacent to SW & S in a cutting Dearne & Dove Canal 500m to West
1903	Allotment gardens, row of terraced houses in northern part of site	Terraced houses (Frederick Street) 10m north of site boundary
1965	Terraced houses on site removed	Surrounding area marked 'Allotment Gardens'
1977	Current building present	Whitelea Grove Estate partly complete
1993	As before	Railway dismantled
2000	As before	Canal no longer visible
2002		Aerial photography shows railway cutting infilled and recorded as a landfill site by BGS

The site was most recently occupied by the applicant, since October 2022.

Site reconnaissance in 2023 indicated that the site was mostly hard surfaced and was prepared for the Permitted use.

1.2.2 Associated contaminants

It is possible that leachate from the former landfill site may have migrated into the site

1.2.3 Evidence of existing contamination

There is no evidence of any existing contamination. However, a soil report indicates raised levels of Nickel & Lead within a 15km radius of the site. re activity commences.

1.2.4 Evidence of damage to pollution prevention measures

Existing pollution prevention measures include mostly undamaged concrete and asphalt surfacing and surface water drained to combined sewer. The site reconnaissance shows no damage to these structures, nor evidence of there having been spillage.

At the permit application date, the pollution prevention measures outlined elsewhere in this application will be in place.

A CCTV survey conducted in April 2023 showed considerable damage to the underground drainage. The applicant undertakes to repair all this before activity commences

Evidence	Remarks
Site records	No pollution incident recorded
Pollution incidents at adjacent sites	None likely to have contaminated this site

Baseline data

As there is no indication of current or historic contamination of the site, further study to establish baseline reference data is not considered necessary.

3.0 Permitted activities

Permitted activities	R4, R5, R8, R13, D9, D13, D15
Non-permitted activities undertaken	none
Document references for: <ul style="list-style-type: none">• plan showing activity layout; and• environmental risk assessment.	Site Layout Plan 2022/124/04

Supporting Documents

Site Location Plan

Site Layout Plan

Surface Water Drainage Plan

Aerial Photograph

BGS Geological Maps

Hydrological Data

Flood Map

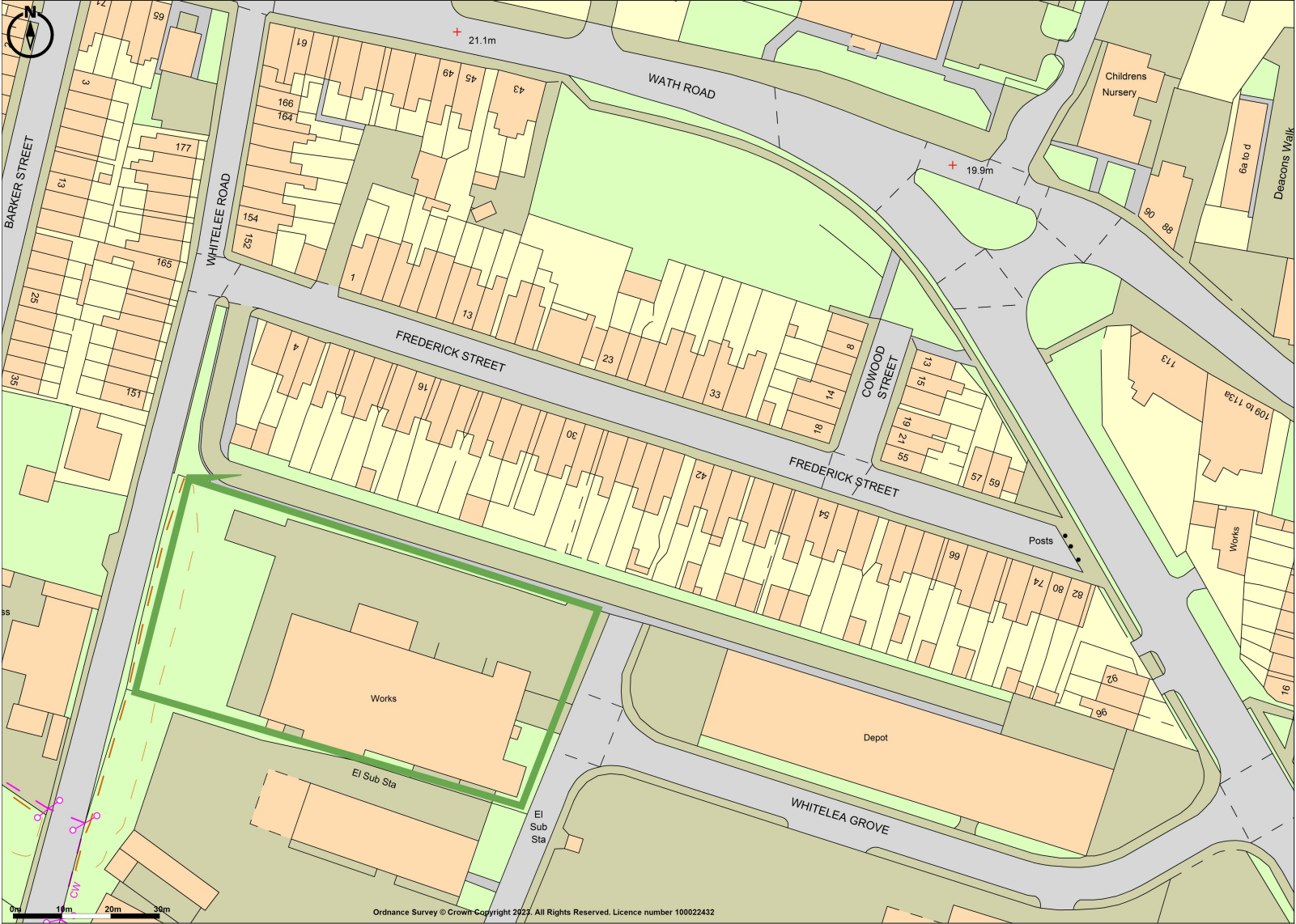
MAGIC Map and Search Report

Historical Maps

Site Reconnaissance Report

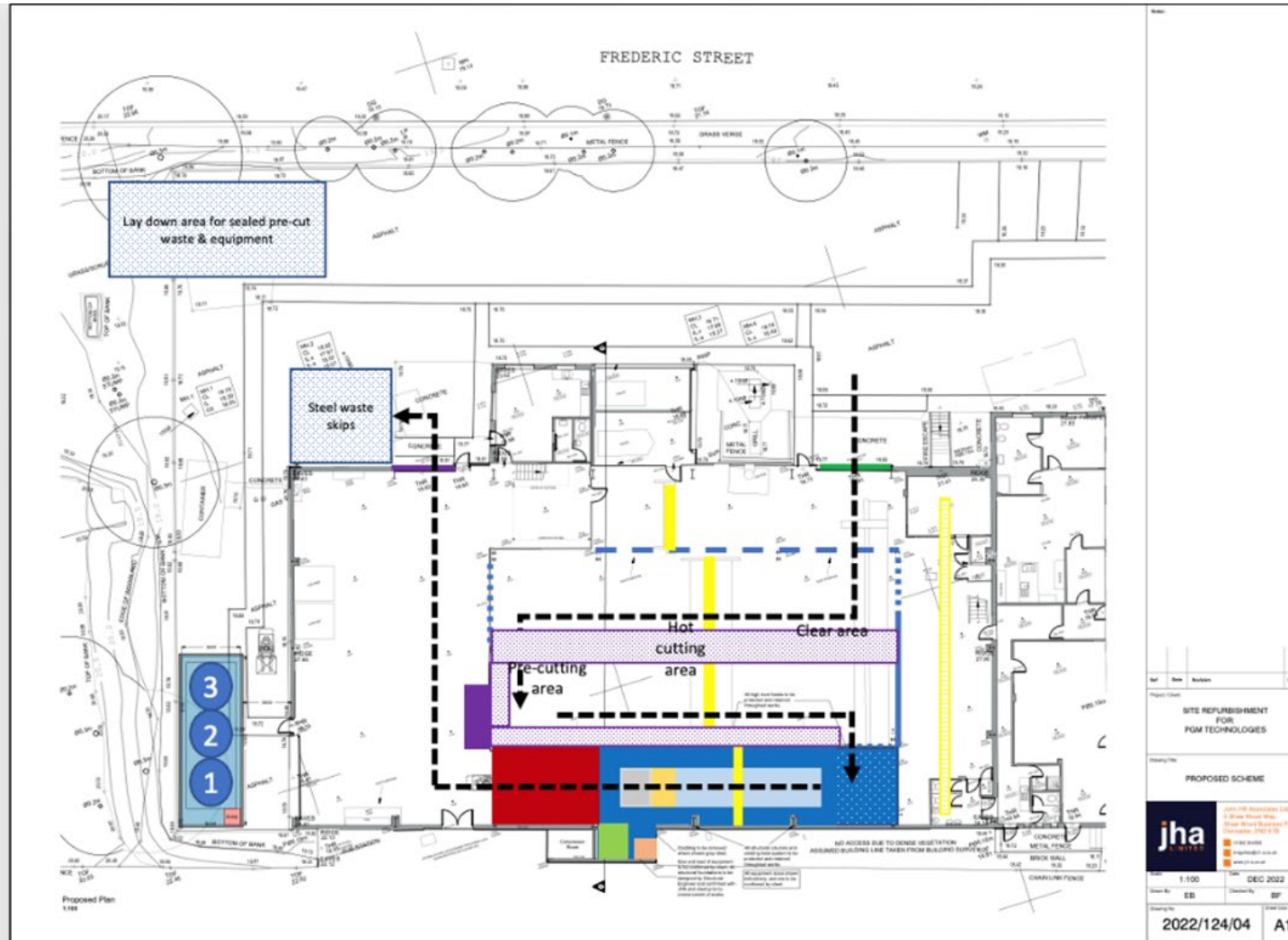
Conceptual Site Model

PGM Technologies Ltd. Unit 5, Whitelea Grove Trading Est.,
Mexborough, S65 9QP



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Licence number 100022432
Plotted Scale - 1:1250. Paper Size - A4

Site Layout Plan



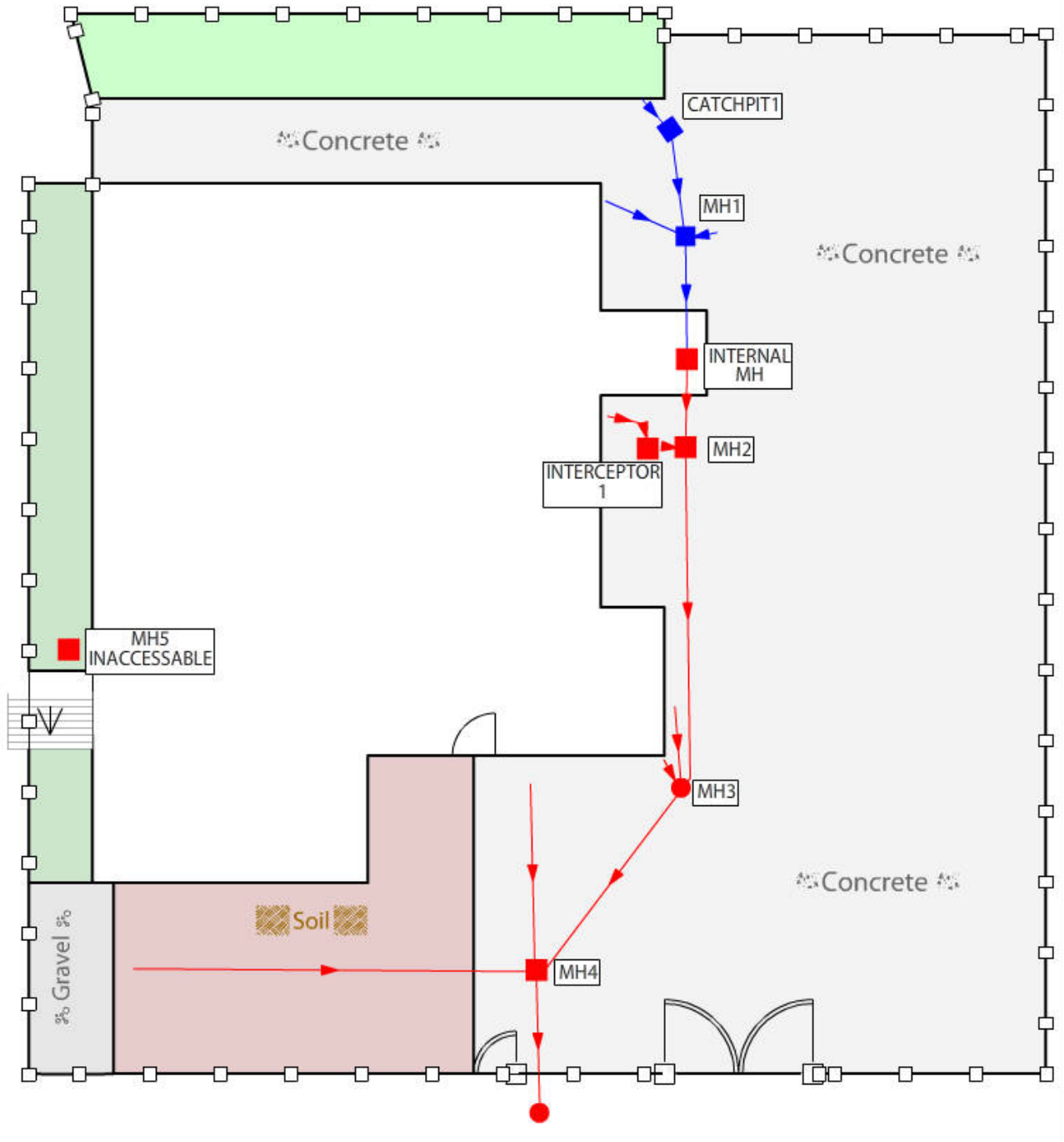
Key:

PVC Curtains	
PVC Strips	
PVC Wall	
Raised area within bund for receiving cut waste and IBC's containing 33% HCl	
Bunded area	
Overhead crane Decommissioned OC	
HCl leaching tank. Capacity 16,634dm ³	
Tipping bed	
Spray booth	
Sump	
Wet scrubber	
Sealed wet area containing clean waste steel containers	
Primary entrance	
Alternative entrance / primary exit	
Preferred route for waste through the site	
LEV Filters	
LEV	

Aerial Photograph

Job Number 230712	Surveyed by (Operator) ANDREW ROBINSON	Base Unit 78WK5KL20Q	Date 26/04/2023
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This sketch is not to scale and does not represent the exact routing of the drainage system



Phoenix Motors Limited

Google Earth



Search location



Contains OS data © Crown Copyright and database right 2023. OS OpenMap Local: Scale: 1:5 000 (1cm = 50 m)

Search location indicated in red

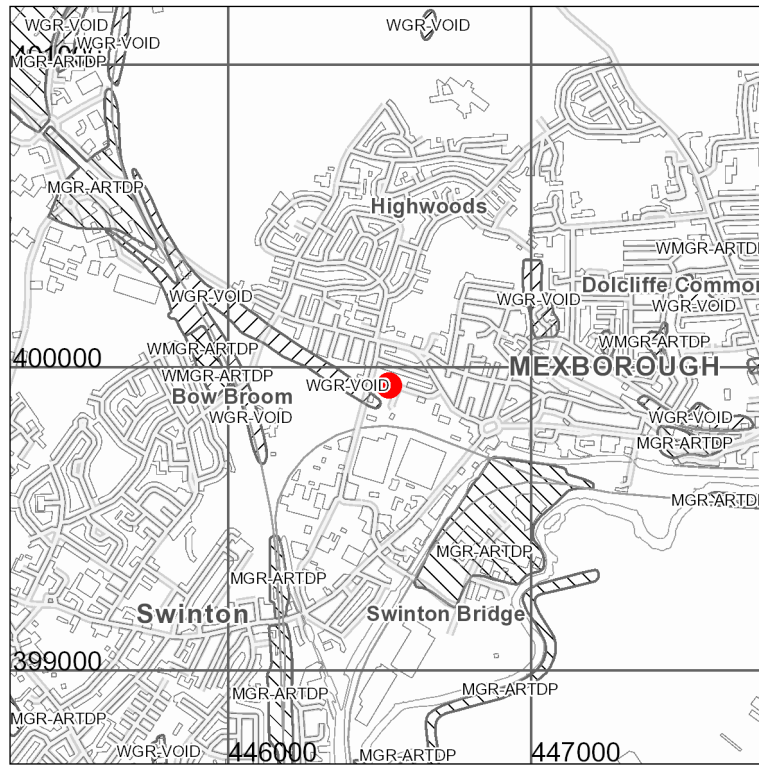
Site Address:

UNIT 5
WHITELEA GROVE TRADING ESTATE
MEXBOROUGH
S64 9QP

Point centred at: grid reference obtained from Ordnance Survey OS Places API

Artificial ground

This is ground at or near the surface that has been modified by man. It includes ground that has been deposited (Made Ground) or excavated (Worked Ground), or some combination of these: Landscaped Ground or Disturbed Ground.






Contains OS data © Crown Copyright and database right 2023

Scale: 1:25 000 (1cm = 250 m)

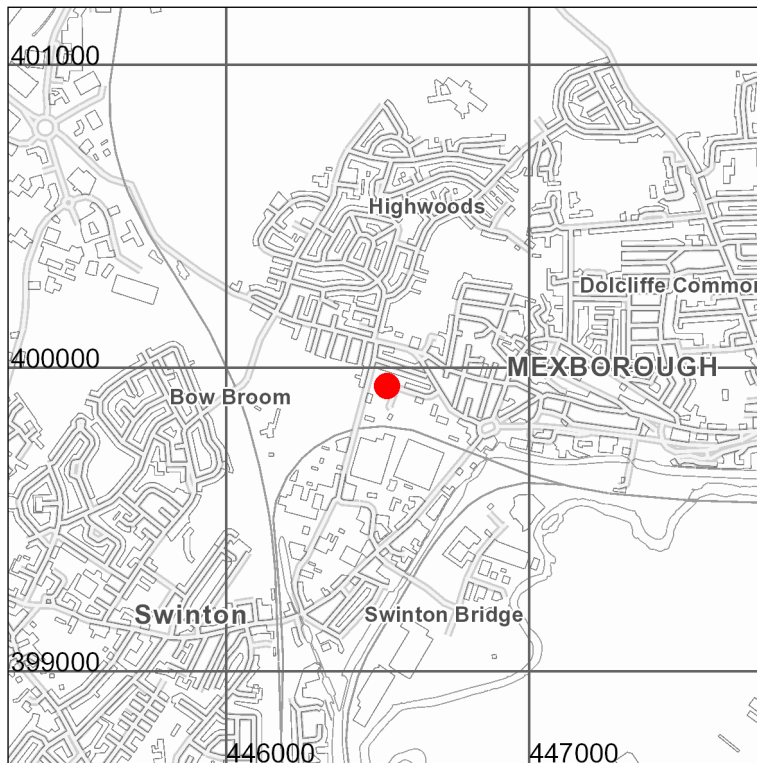
Search area indicated in red

Key to Artificial ground:

Map colour	Computer Code	Name of geological unit	Composition
	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

Landslide deposits

These are deposits formed by localised mass-movement of soils and rocks on slopes under the action of gravity. Landslides may occur within the bedrock, superficial deposits or artificial ground; and the landslide deposits may themselves be artificially modified.



Contains OS data © Crown Copyright and database right 2023

Scale: 1:25 000 (1cm = 250 m)

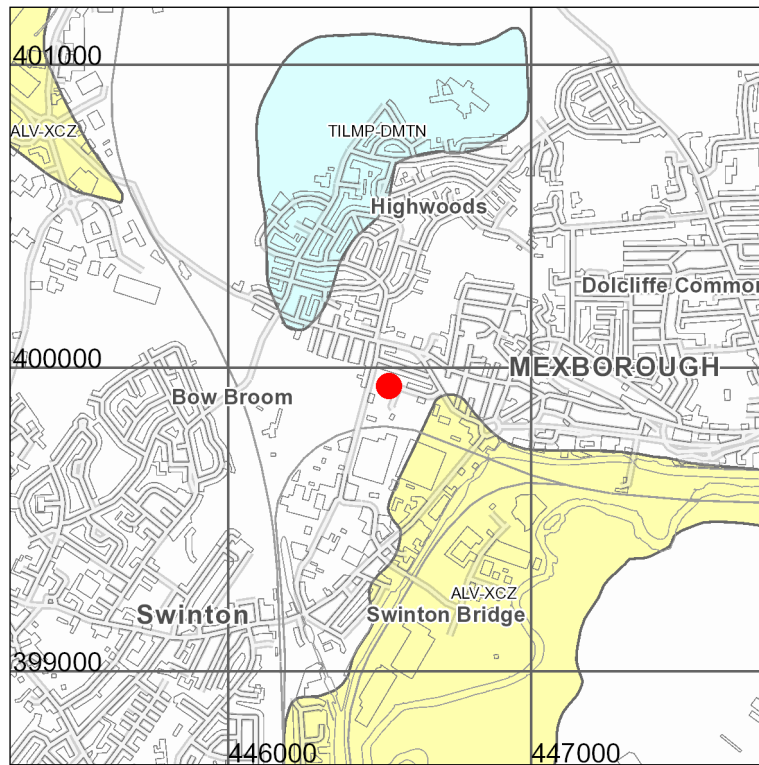
Search area indicated in red

Key to Landslide deposits:

No deposits found in the search area

Superficial deposits



These are relatively young geological deposits, formerly known as ‘Drift’, which lie on the bedrock in many areas. They include deposits such as unconsolidated sands and gravels formed by rivers, and clayey tills formed by glacial action. They may be overlain by landslide deposits or by artificial deposits, or both.



Contains OS data © Crown Copyright and database right 2023
Scale: 1:25 000 (1cm = 250 m)

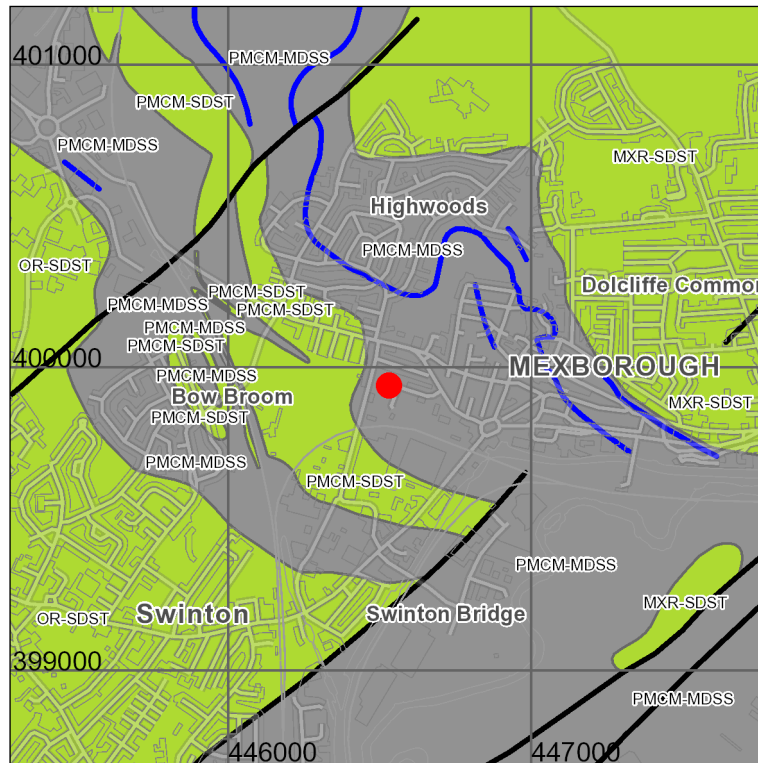
Search area indicated in red

Key to Superficial deposits:



Map colour	Computer Code	Name of geological unit	Composition
	ALV-XCZ	ALLUVIUM	CLAY AND SILT
	TILMP-DMTN	TILL, MID PLEISTOCENE	DIAMICTON

Bedrock

Bedrock forms the ground underlying the whole of an area, commonly overlain by superficial deposits, landslide deposits or artificial deposits, in any combination. The bedrock formations were formerly known as the ‘Solid Geology’.







Search area indicated in red

-  Fault
-  Coal, ironstone or mineral vein

Note: Faults are shown for illustration and to aid interpretation of the map. Because these maps are generalised from more detailed versions not all such features are shown and their absence on the map face does not necessarily mean that none are present. Coals, ironstone beds and mineral veins occur only in certain rock types and regions of the UK; if present here, they will be described under ‘bedrock’ below.

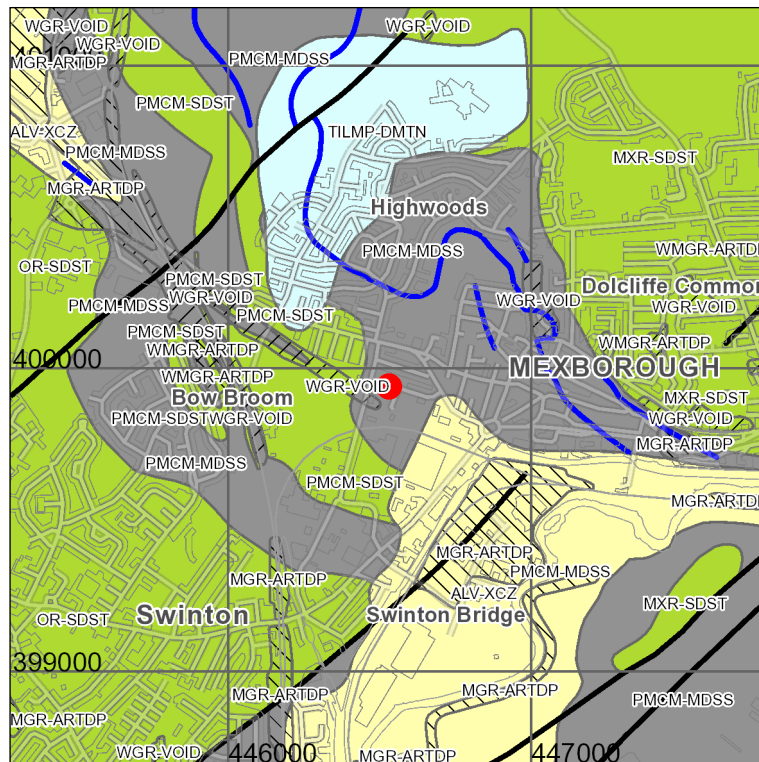
Contains OS data © Crown Copyright and database right 2023
Scale: 1:25 000 (1cm = 250 m)

Key to Bedrock geology:

Map colour	Computer Code	Name of geological unit	Rock type
	MXR-SDST	MEXBOROUGH ROCK	SANDSTONE
	OR-SDST	OAKS ROCK	SANDSTONE
	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION	MUDSTONE, SILTSTONE AND SANDSTONE
	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION	SANDSTONE

Combined 'Surface Geology' Map

This map shows all the geological themes from the previous four maps overlaid in order of age.



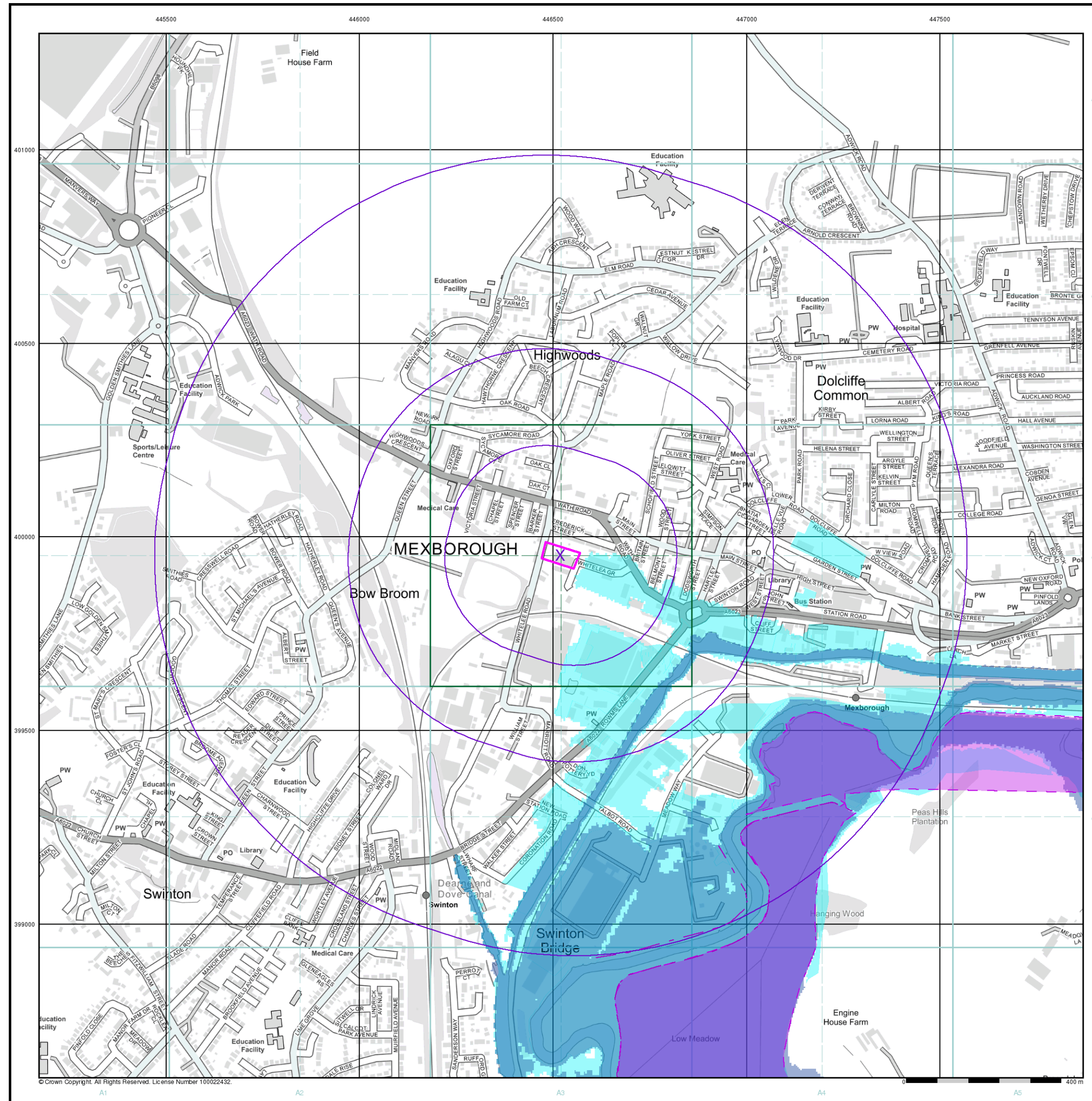
Contains OS data © Crown Copyright and database right 2023
 Scale: 1:25 000 (1cm = 250 m)

Search area indicated in red

Please see the Keys to the Artificial, Landslide, Superficial and Bedrock geology maps.

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	22	1	446450 399953
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	34	1	446450 400000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	219	1	446519 399700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	277	1	446200 400000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	295	1	446350 400250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	398	1	446100 399800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	401	1	446850 399650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (SE)	403	1	446800 399600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	461	1	446050 400150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	486	1	446800 399500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	491	1	446700 399450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Whitelea Grove Trading Estate, Mexborough Prosecution Text: Storing hazardous was and illegally operating a waste site Prosecution Act: Epr07 R12 & 38 Hearing Date: 18th April 2011 Verdict: Guilty Fine: 20000 Costs: 11000 Positional Accuracy: Manually positioned to the address or location</p>	A13SE (S)	82	2	446541 399838
	<p>River Quality</p> <p>Name: River_Don GQA Grade: River Quality C Reach: Hooton_Brook_Sheffield_&_South_Y Estimated Distance (km): 6.6 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000</p>	A13SE (SE)	330	2	446799 399699
	<p>River Quality</p> <p>Name: Sheffield_And_South_Yorks GQA Grade: River Quality D Reach: River_Don_At_Kilnhur_Mexborough_Low_Loc Estimated Distance (km): 7.1 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000</p>	A9NW (SE)	638	2	447059 399530
	<p>River Quality</p> <p>Name: River_Don GQA Grade: River Quality C Reach: Sheffield_&_South_Yo_Hooton_Broo Estimated Distance (km): 1.4 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000</p>	A8SW (S)	951	2	446355 398989
31	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 28th June 2010 Incident Reference: 795010 Water Impact: Category 3 - Minor Incident Air Impact: Category 1 - Major Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Other Atmospheric Pollutant Or Effect Pollutant: Contaminated Water: Firefighting Run-Off</p>	A13SE (SE)	48	2	446589 399887
32	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 3rd September 2008 Incident Reference: 617941 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Asbestos Waste Pollutant: Specific Waste Materials: Batteries Pollutant: Specific Waste Materials: Commercial Waste Pollutant: Specific Waste Materials: Electrical Equipment Pollutant: Specific Waste Materials: Household Waste Pollutant: Specific Waste Materials: Tyres</p>	A13SE (S)	77	2	446533 399844
33	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 9th October 2001 Incident Reference: 35539 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inorganic Chemicals/Products: Heavy Metals</p>	A13NW (NW)	166	2	446324 400038



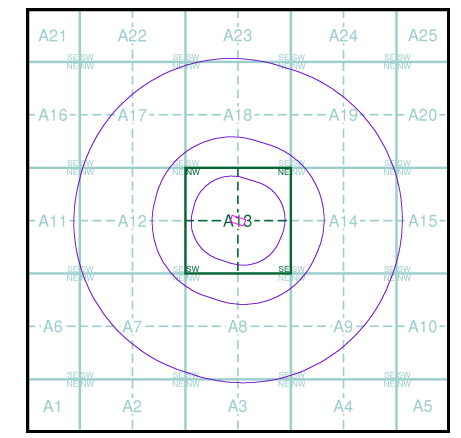
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

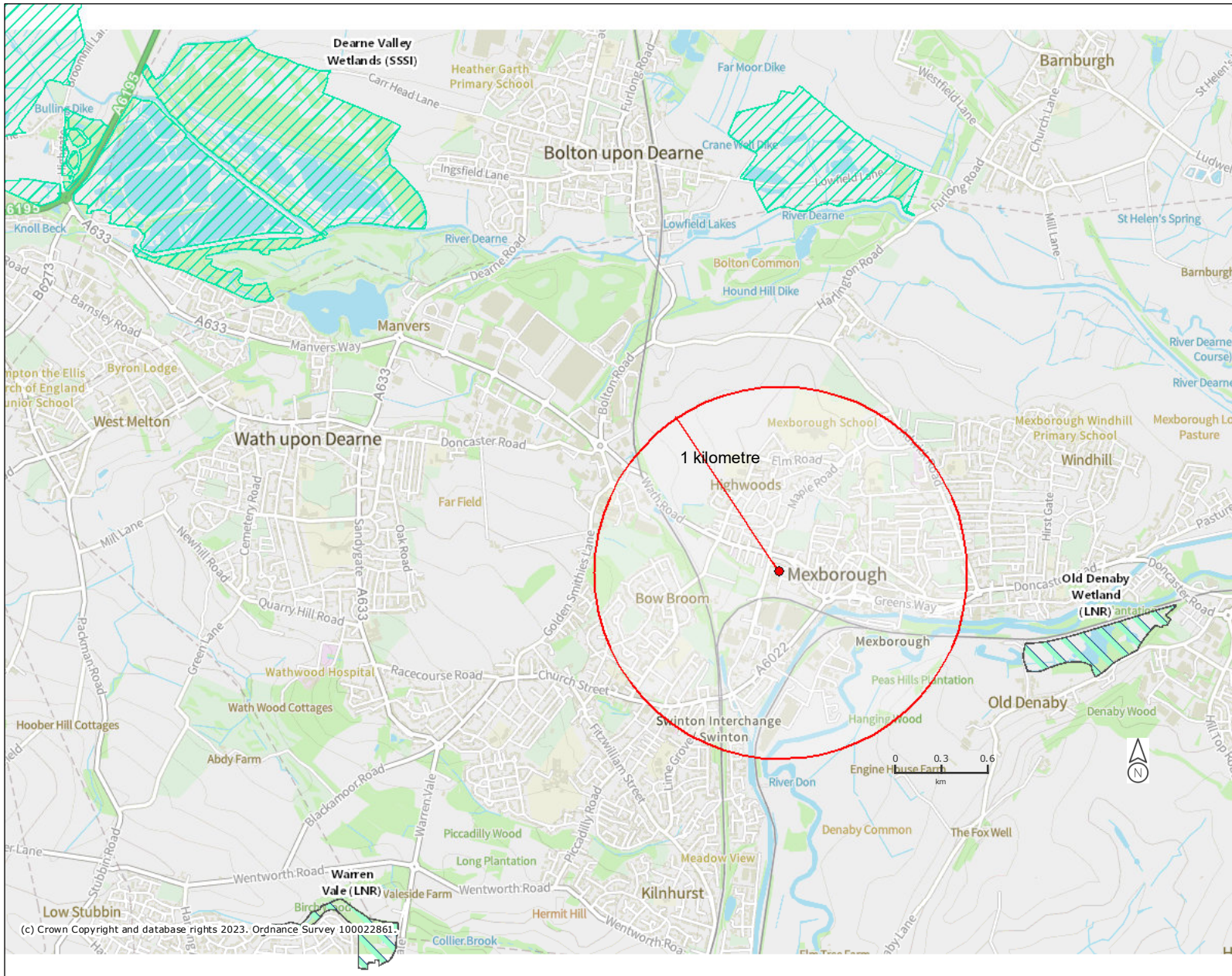


Order Details

Order Number: 309009539_1_1
 Customer Ref: PMGT
 National Grid Reference: 446520, 399950
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP



Legend

- Areas of Outstanding Natural Beauty (England)
- Local Nature Reserves (England)
- National Nature Reserves (England)
- Ramsar Sites (England)
- Sites of Special Scientific Interest (England)
- Special Protection Areas (England)

Source Protection Zones merged (England)

- Zone I - Inner Protection Zone
- Zone I - Subsurface Activity
- Zone II - Outer Protection Zone
- Zone II - Subsurface Activity
- Zone III - Total Catchment
- Zone III - Subsurface Activity
- Zone of Special Interest

Projection = OSGB36
 xmin = 441400
 ymin = 397500
 xmax = 449700
 ymax = 403500

Map produced by MAGiC on 17 April, 2023.
 Copyright resides with the data suppliers and the map must not be reproduced without their permission. Some information in MAGiC is a snapshot of the information that is being maintained or continually updated by the originating organisation. Please refer to the metadata for details as information may be illustrative or representative rather than definitive at this stage.

Site Check Report Report generated on Mon Apr 17 2023
You selected the location: Centroid Grid Ref: SK46519994
The following features have been found in your search area:

Areas of Outstanding Natural Beauty (England)

No Features found

Local Nature Reserves (England) - points

No Features found

Local Nature Reserves (England)

No Features found

National Nature Reserves (England) - points

No Features found

National Nature Reserves (England)

No Features found

Ramsar Sites (England) - points

No Features found

Ramsar Sites (England)

No Features found

Sites of Special Scientific Interest (England) - points

No Features found

Sites of Special Scientific Interest (England)

No Features found

Special Areas of Conservation (England) - points

No Features found

Special Areas of Conservation (England)

No Features found

Special Protection Areas (England) - points

No Features found

Special Protection Areas (England)

No Features found

Green Belt (England)

No Features found

Source Protection Zones merged (England)

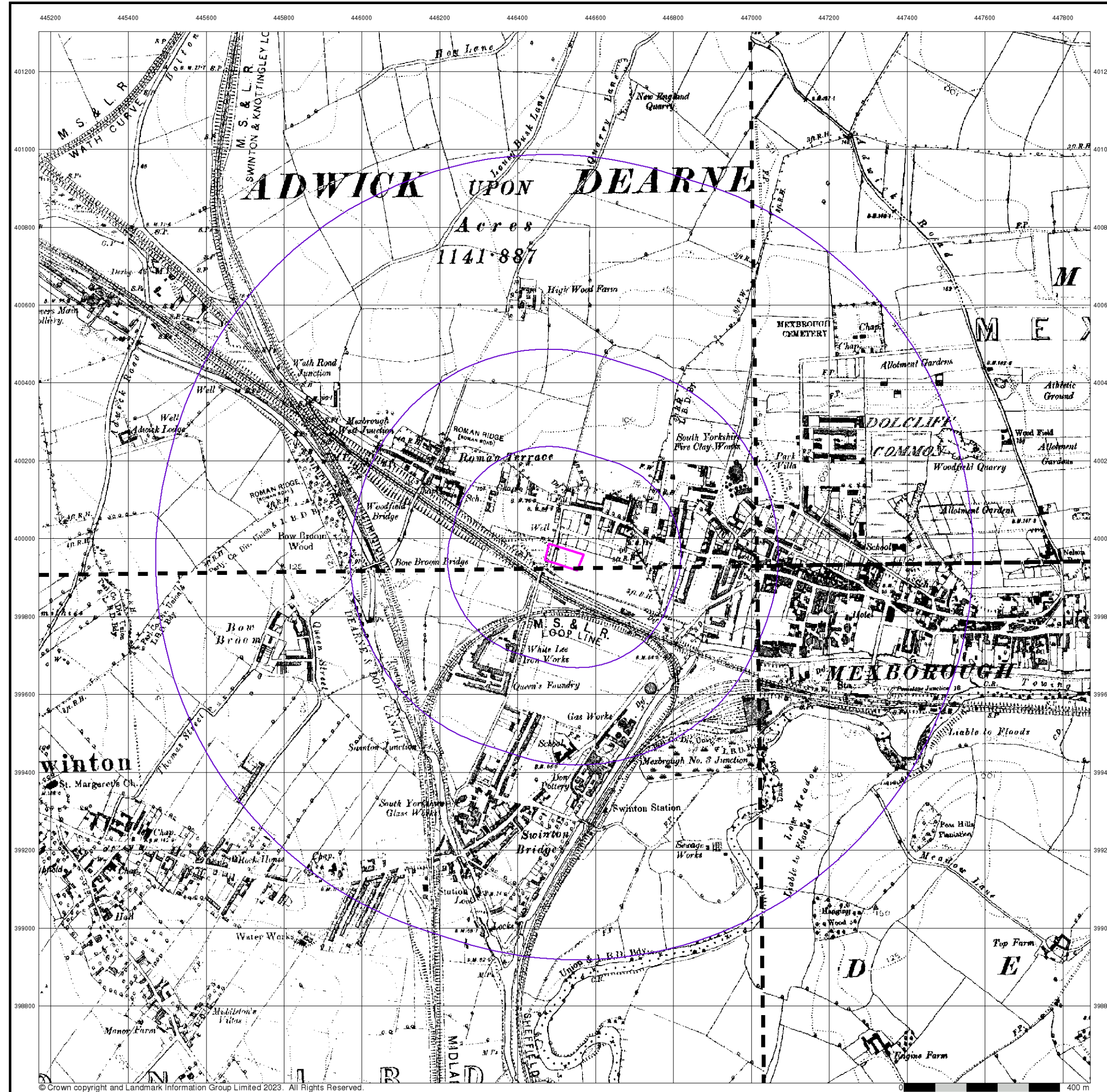
No Features found

Country Parks (England) - points

No Features found

Country Parks (England)

No Features found



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Yorkshire

Published 1893

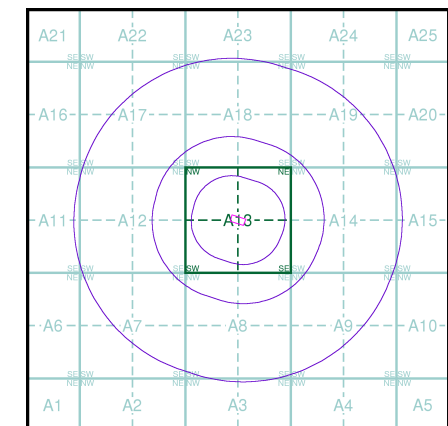
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

283NE 1893 1:10,560	284NW 1893 1:10,560
283SE 1893 1:10,560	284SW 1893 1:10,560

Historical Map - Slice A



Order Details

Order Number: 309009539_1_1
 Customer Ref: PMGT
 National Grid Reference: 446520, 399950
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP

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



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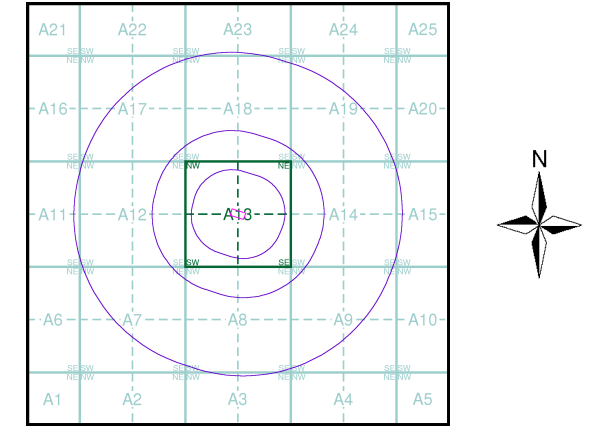
Yorkshire
Published 1903 - 1905
Source map scale - 1:10,560

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

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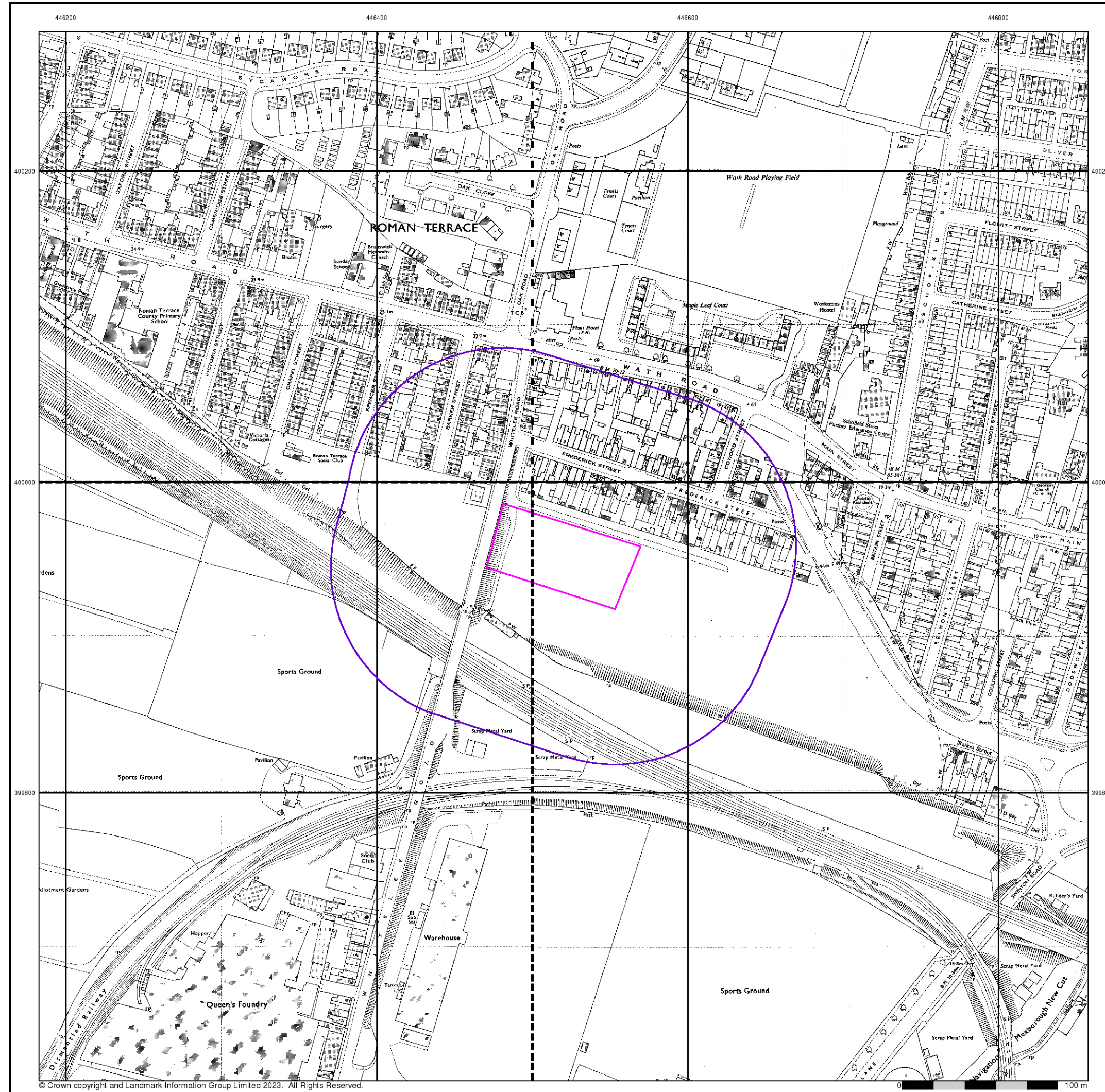
283NE 1905 1:10,560	284NW 1903 1:10,560
283SE 1904 1:10,560	284SW 1903 1:10,560

Historical Map - Slice A



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Site Details
 Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP



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Ordnance Survey Plan

Published 1965 - 1971

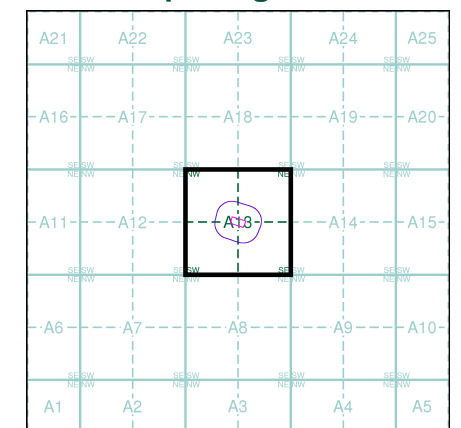
Source map scale - 1:1,250

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)

SE 4600SW 1971 1:1,250	SE 4600SE 1965 1:1,250
SK 4699NW 1971 1:1,250	SK 4699NE 1971 1:1,250

Historical Map - Segment A13



Order Details

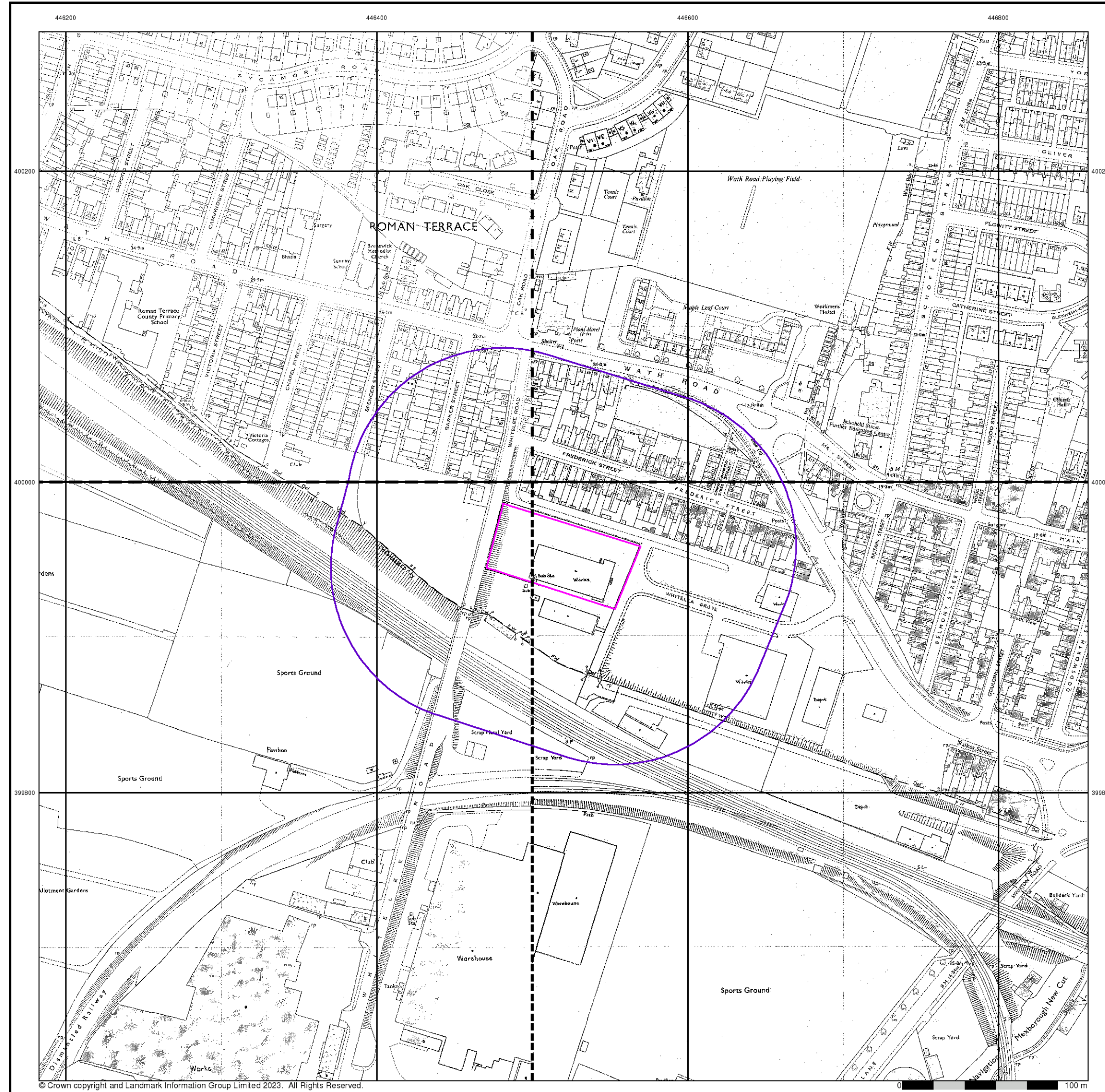
Order Number: 309009539_1_1
 Customer Ref: PMGT
 National Grid Reference: 446520, 399950
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 100

Site Details

Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP

Landmark
 INFORMATION GROUP

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



Additional SIMs

Published 1977 - 1991

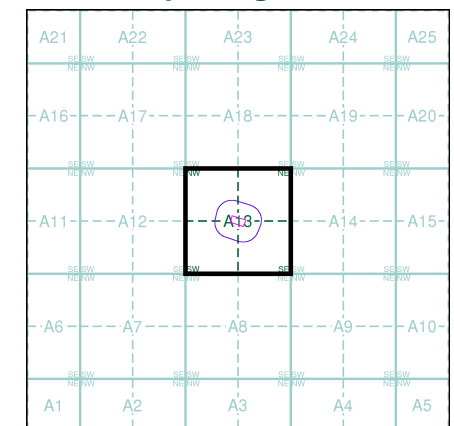
Source map scale - 1:1,250

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)

SE4600SW 1991 1:1,250	SE4600SE 1977 1:1,250
SK4699NW 1984 1:1,250	SK4699NE 1980 1:1,250

Historical Map - Segment A13

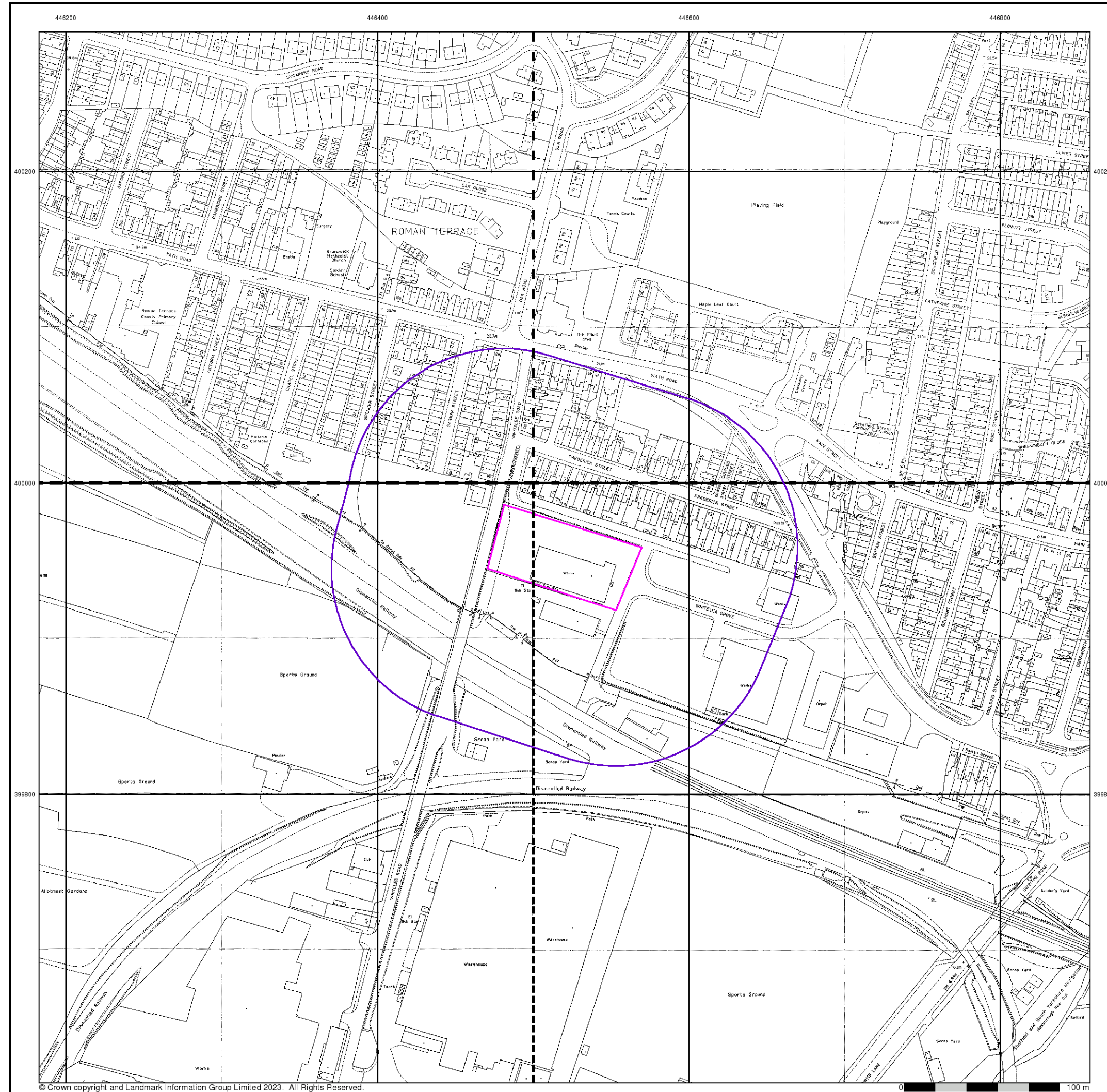


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Site Details

Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP



Large-Scale National Grid Data

Published 1993

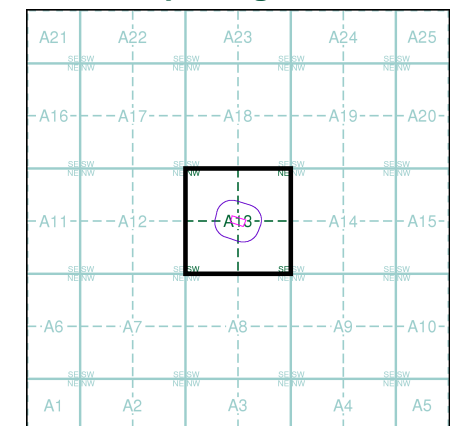
Source map scale - 1:1,250

'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)

SE4600SW 1993 1:1,250	SE4600SE 1993 1:1,250
SK4699NW 1993 1:1,250	SK4699NE 1993 1:1,250

Historical Map - Segment A13

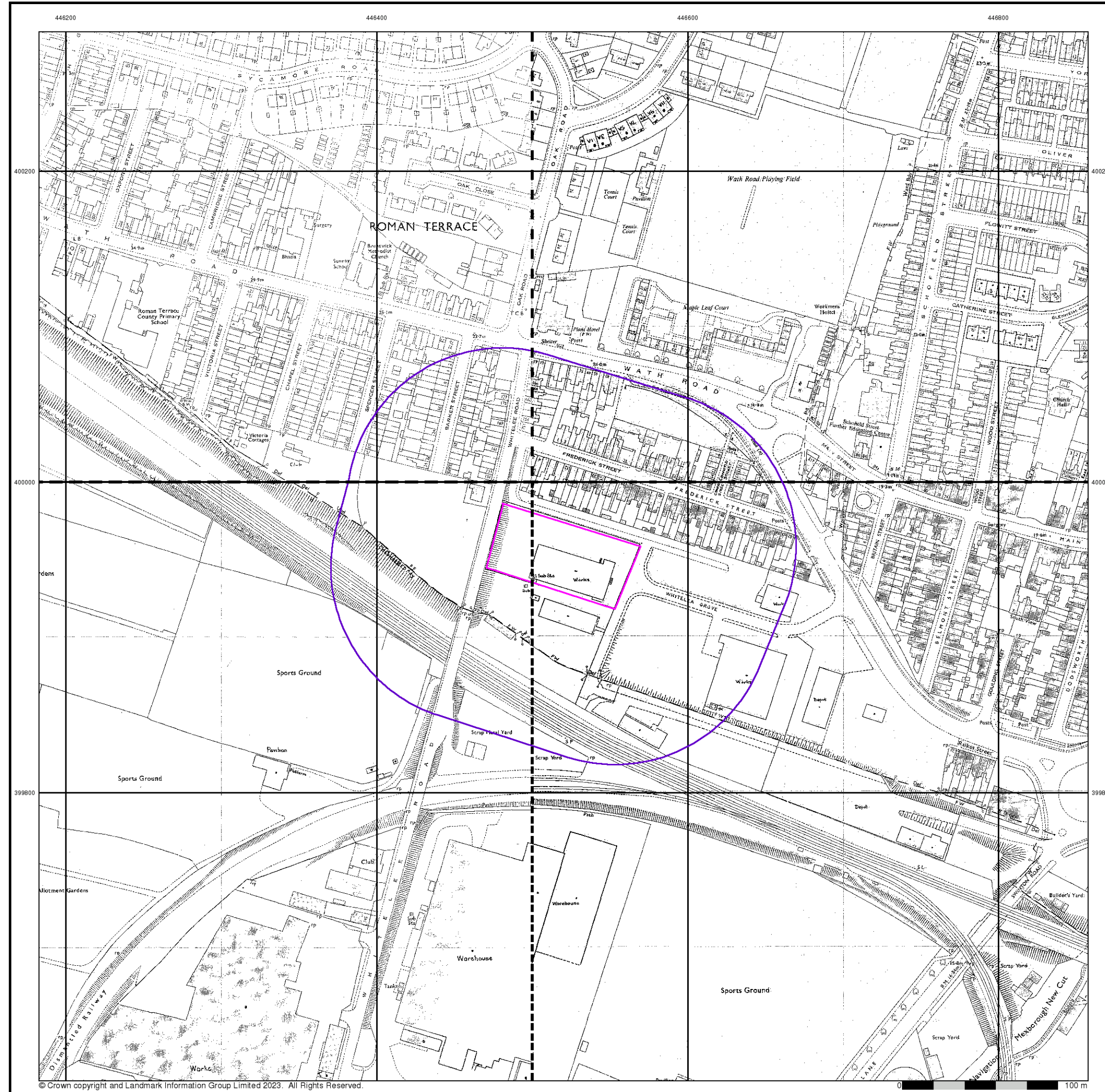


Order Details

Order Number: 309009539_1_1
 Customer Ref: PMGT
 National Grid Reference: 446520, 399950
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 100

Site Details

Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP



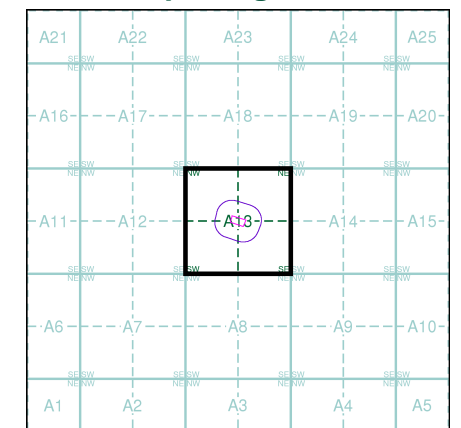
Additional SIMs
Published 1977 - 1991
Source map scale - 1:1,250

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)

SE4600SW 1991 1:1,250	SE4600SE 1977 1:1,250
SK4699NW 1984 1:1,250	SK4699NE 1980 1:1,250

Historical Map - Segment A13



Order Details
 Order Number: 309009539_1_1
 Customer Ref: PMGT
 National Grid Reference: 446520, 399950
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 100

Site Details
 Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP



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10k Raster Mapping

Published 2000

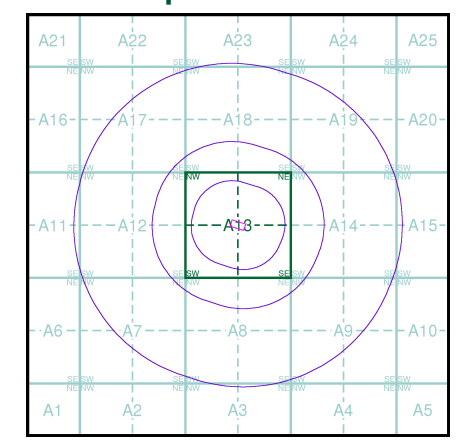
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

- SE40SE | 2000 | 1:10,000
- SK49NE | 2000 | 1:10,000

Historical Map - Slice A



Order Details

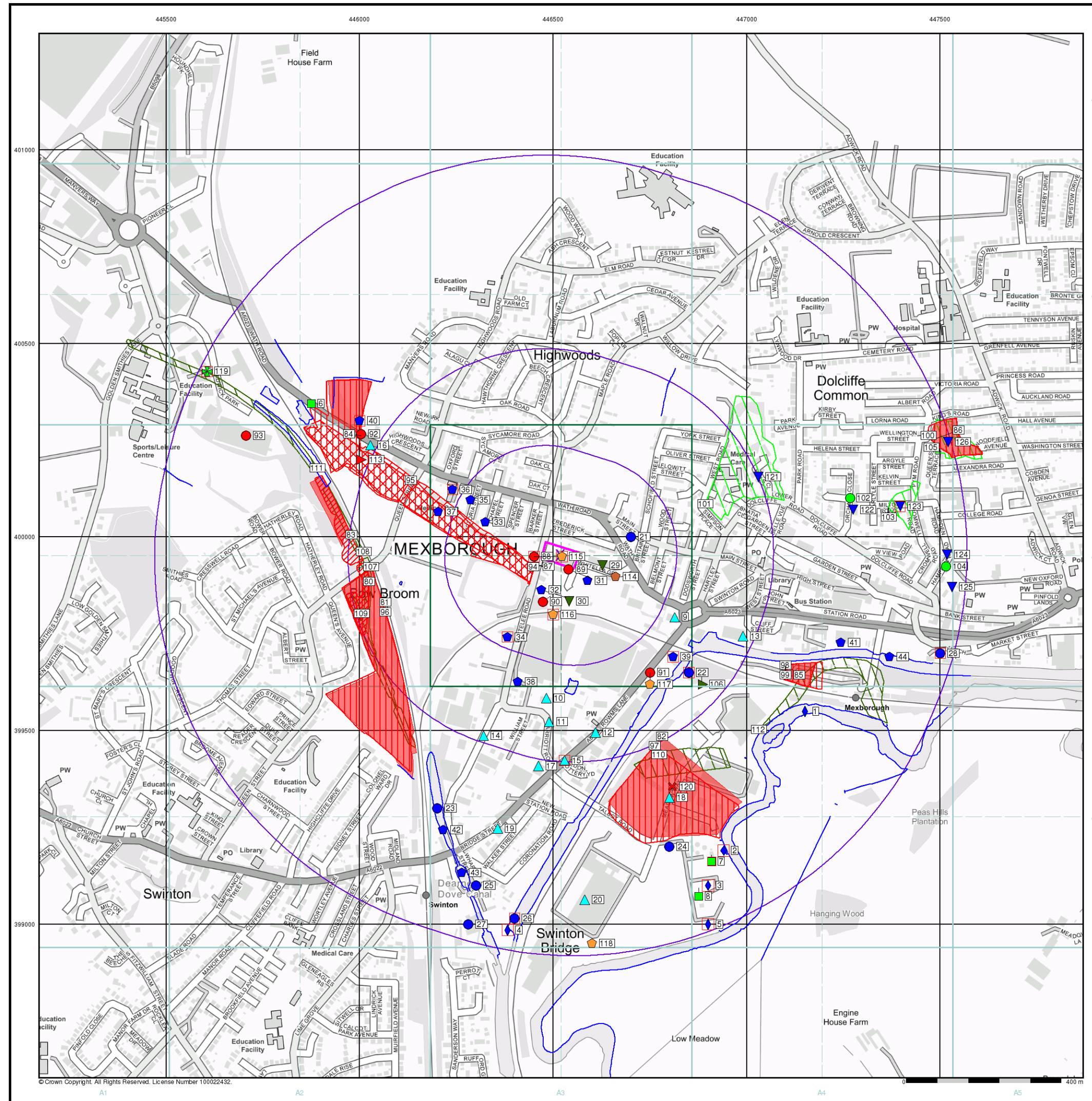
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 Search Buffer (m): 1000

Site Details

Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP

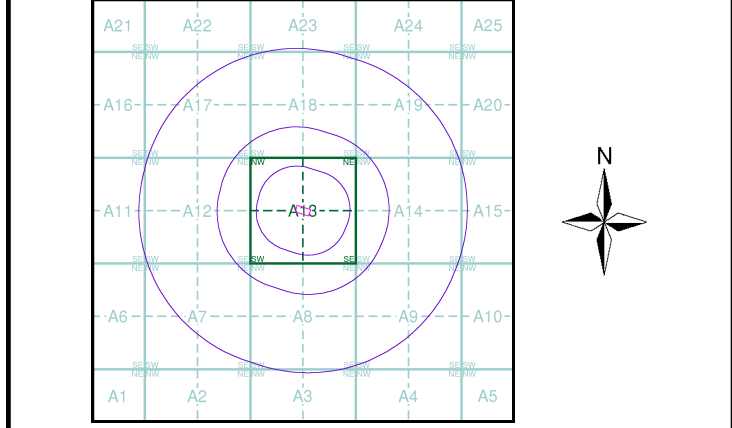
Landmark
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry 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
 - NIHNS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - 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 - Slice A



Order Details

Order Number: 309009539_1_1
 Customer Ref: PMGT
 National Grid Reference: 446520, 399950
 Slice: A
 Site Area (Ha): 0.39
 Search Buffer (m): 1000

Site Details

Unit 5, Whitelea Grove Trading Estate, MEXBOROUGH, S64 9QP

Site Reconnaissance

On Thursday 16th March 2023 Martin Dale undertook a site reconnaissance visit to the site and its surroundings. The area covered by the reconnaissance is shown on Figure 1.

The site

The site consists of a single building which is completely bunded and has no internal drainage. This is where the waste treatment activities take place. (photo 1)

Outside is mostly covered with asphalt or concrete. Three bunded tanks will stand 5m outside the building to the NW, which will contain hydrochloric acid (10%) and wash waters from the process. An area at the NW of the site is steeply banked and formed of natural, wooded ground. It is approximately 21m deep and rises from 18m AoD to 25m AoD. (Photo 2)

The hardstanding areas fall NW-SE by roughly 1m over 70m.

There is a 2m planted verge along the NE edge of the site (Photo 3) and a 2.5m strip of ruderal growth along the SW boundary. (Photo 4) There is some planting to the front of the building at the SE. (Photo 5)

It is surrounded by a 2.4m palisade fence, with a single entrance gate at the SE boundary. (Photo 6)

The surroundings

The site is part of a small industrial estate, off Wath Road, built on what appears to have been greenfield and brownfield land between 1965 and 1977. Similar properties fill the opposite side of the road. Similar properties are adjacent to the East and South. North-east and West of the site there are closely-built residential streets. (Photo 7)

The reconnaissance

The site surface was in good order, with no cracking of the concrete or asphalt. (Photo 8) All drainage manhole covers were present and in good order. (Photo 9) No evidence of any spillage could be seen.

The ruderal growth at the northern and western borders were in good health, with no signs of distress (Photo 10) although some tree-felling had taken place and the planted areas were also in good health. (Photo 11) Outside the

northern boundary, a grass verge was littered and sparse, although this was early spring, and could soon recover. (Photo 12) The neighbouring property to the west has some mature trees, and they look to be in good health. (Photo 13)

Conclusion

There is no visible evidence of actual or potential pollution to the land, groundwater or surface water from the site, or its environs.

Figure 1 Reconnaissance Area (NTS)



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12

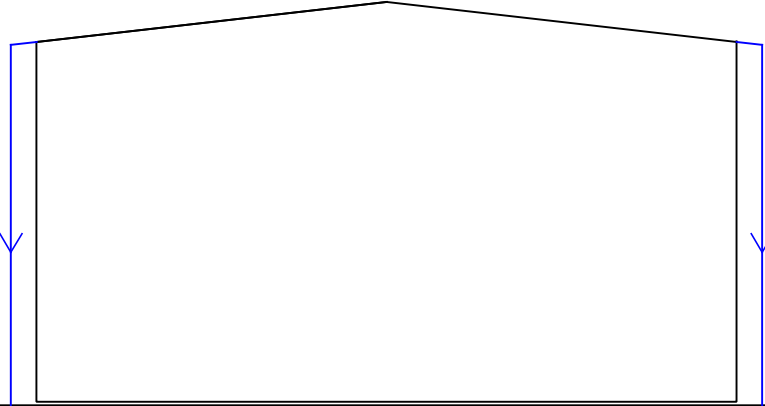


Photo 13

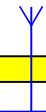


CONCEPTUAL SITE MODEL NOT TO SCALE

RAINFALL



CONCRETE



TO COMBINED SEWER

PENNINE MIDDLE COAL MEASURES

