

A46 Newark Bypass

TR010065/APP/6.3

6.3 Environmental Statement

Appendix 9.1 A46 Newark Northern Bypass Preliminary Sources Study Report Part 2

APFP Regulation 5(2)(a)

Planning Act 2008

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

Volume 6

April 2024

Infrastructure Planning

Planning Act 2008

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

A46 Newark Bypass

Development Consent Order 202[x]

ENVIRONMENTAL STATEMENT

APPENDIX 9.1 A46 NEWARK NORTHERN BYPASS PRELIMINARY SOURCES STUDY REPORT

PART 2

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

Version	Date	Status of Version	
Rev 1	April 2024	DCO Application	



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

Status: A1 APPROVED - PUBLISHED

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C02	A1	For Consultation	JB	СТ	JE	ADK	08/02/21			
C01	A1	For consultation	AD	EN	JE	ADK	27/11/20			



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Figure 4 – Access track leading to to area beneath viaduct over River Trent, from B6166, Farndon.



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Figure 22 - Access point adjacent to level crossing (sewage works access). Looking north.



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Figure 30 - Potential access road from A46 looking north towards Bridge House / A1 road.



Figure 31 - Access point to fields north of petrol garage at Winthorpe

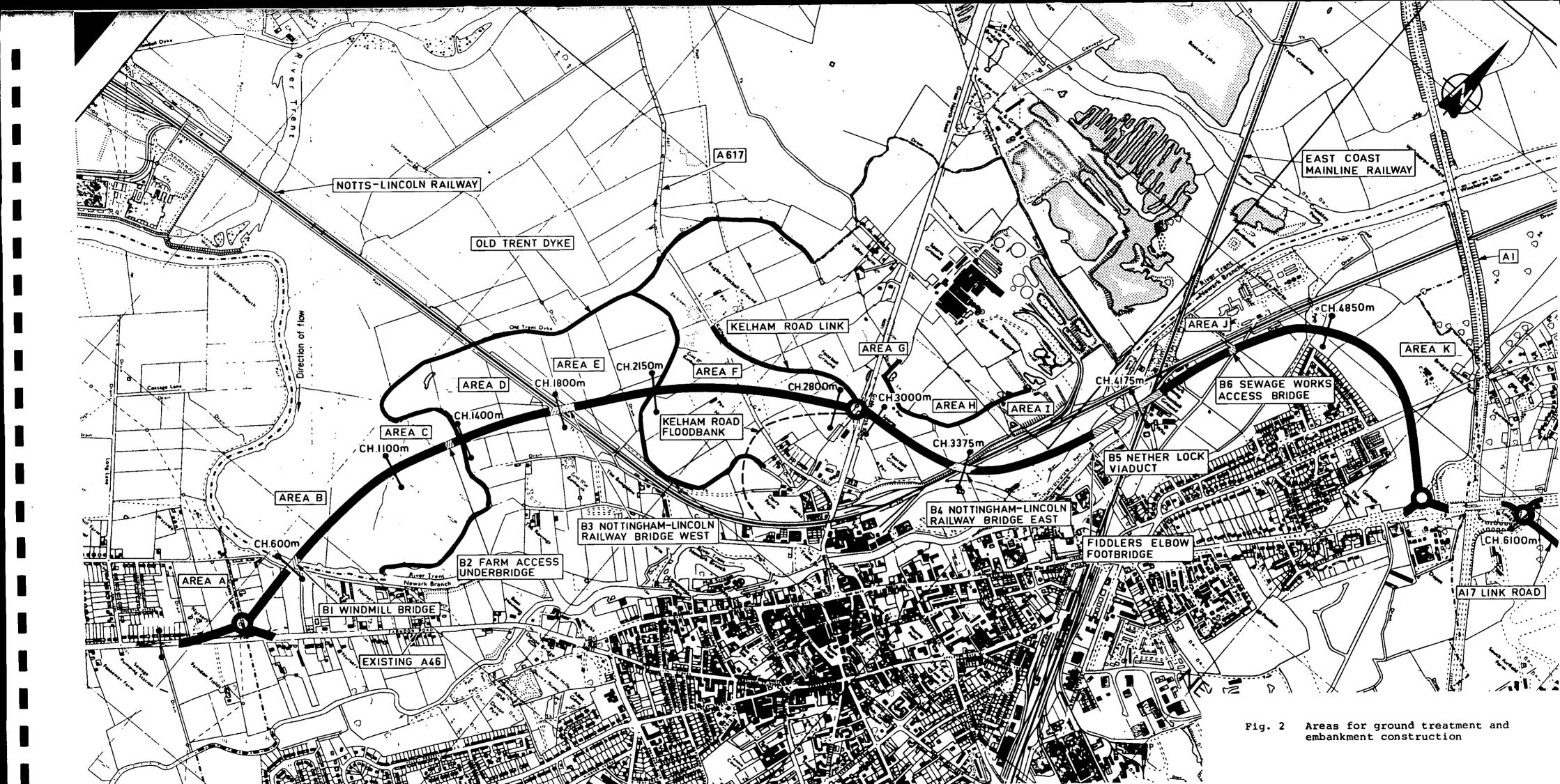


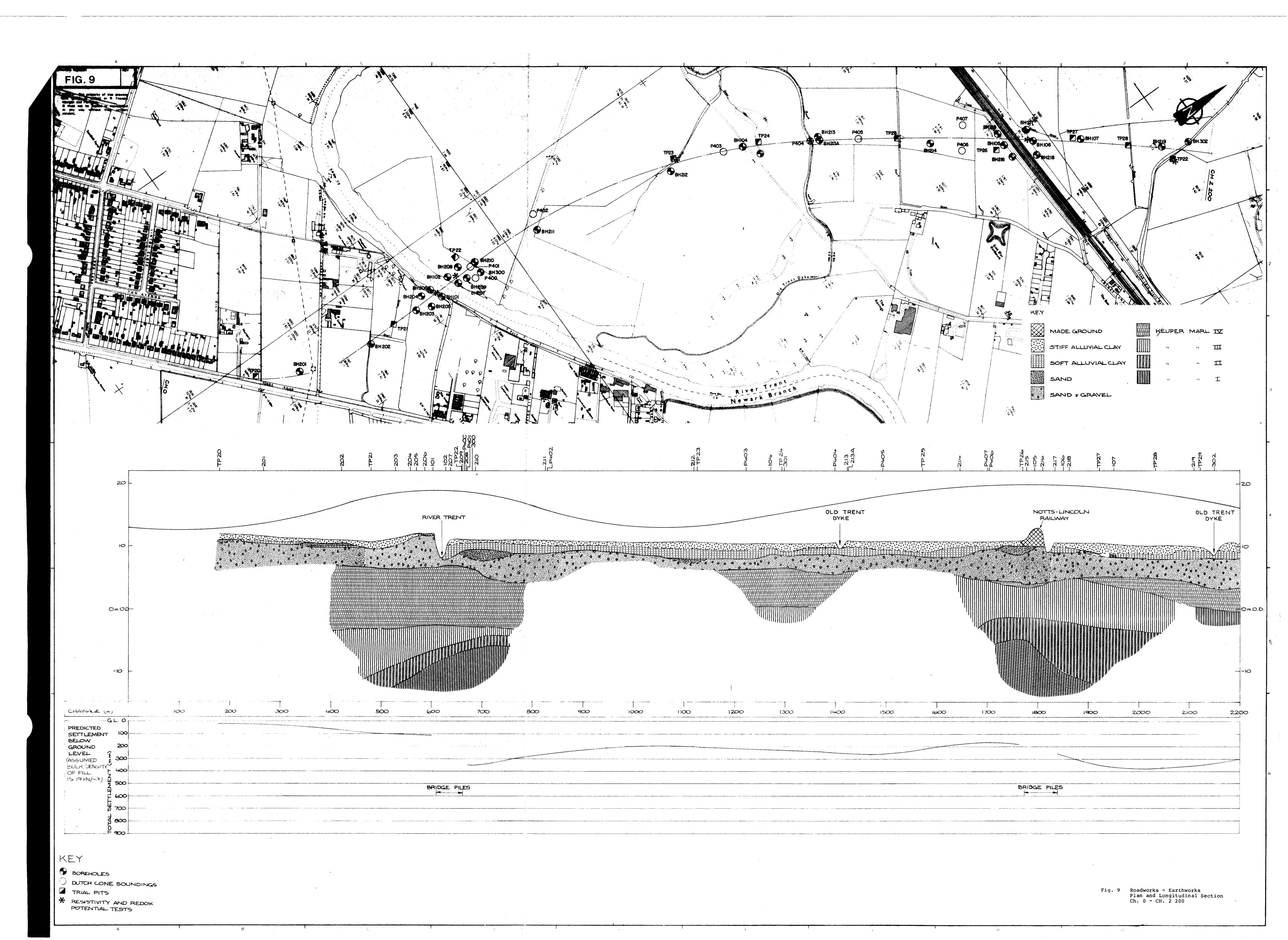


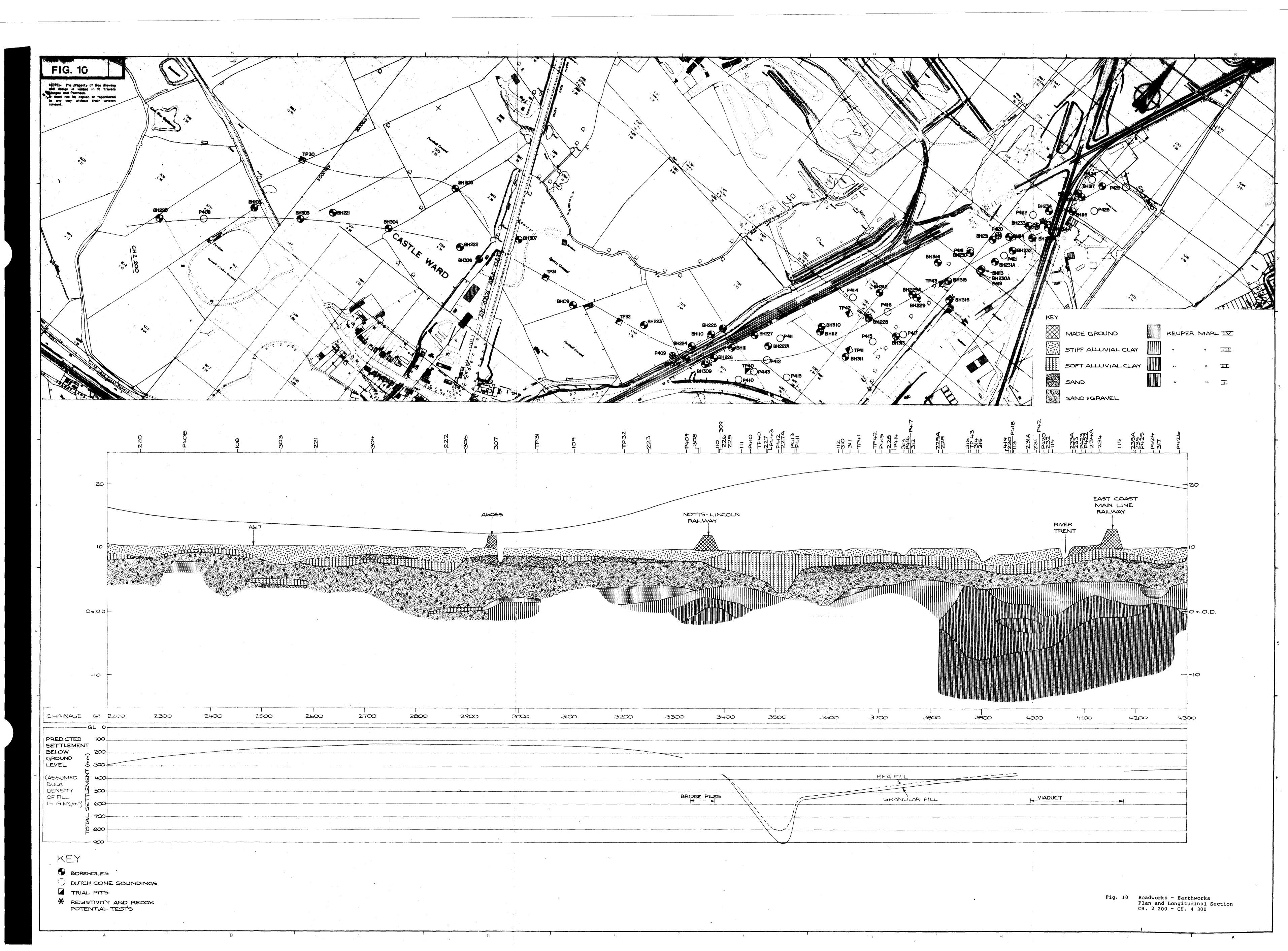
Figure 32 - Looking south from Winthorpe Roundabout.

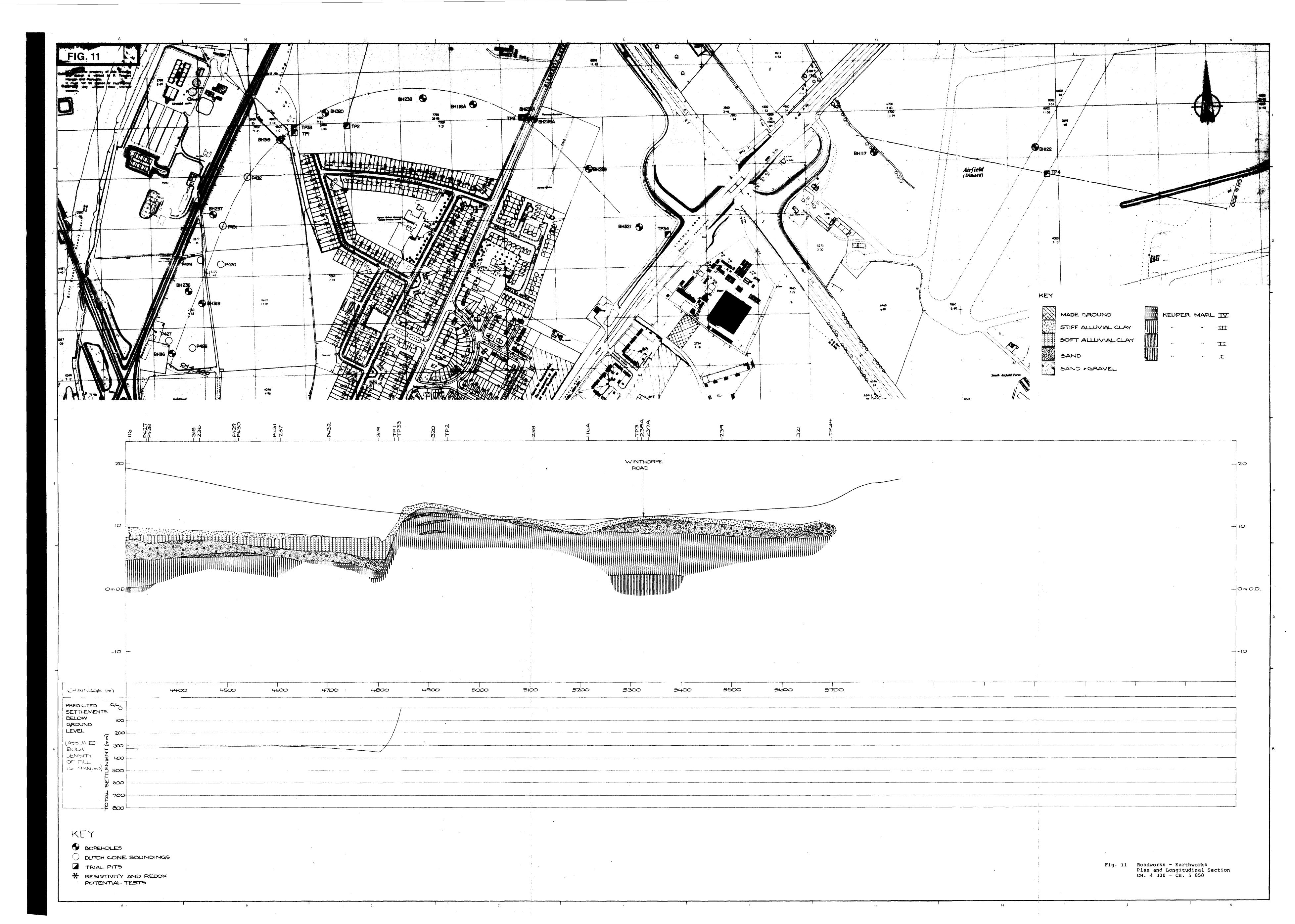


Appendix B. Extracts from Geotechnical Report on A46 Newark Relief Road, Department of Transport East Midland Regional Office, 1985









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EX1

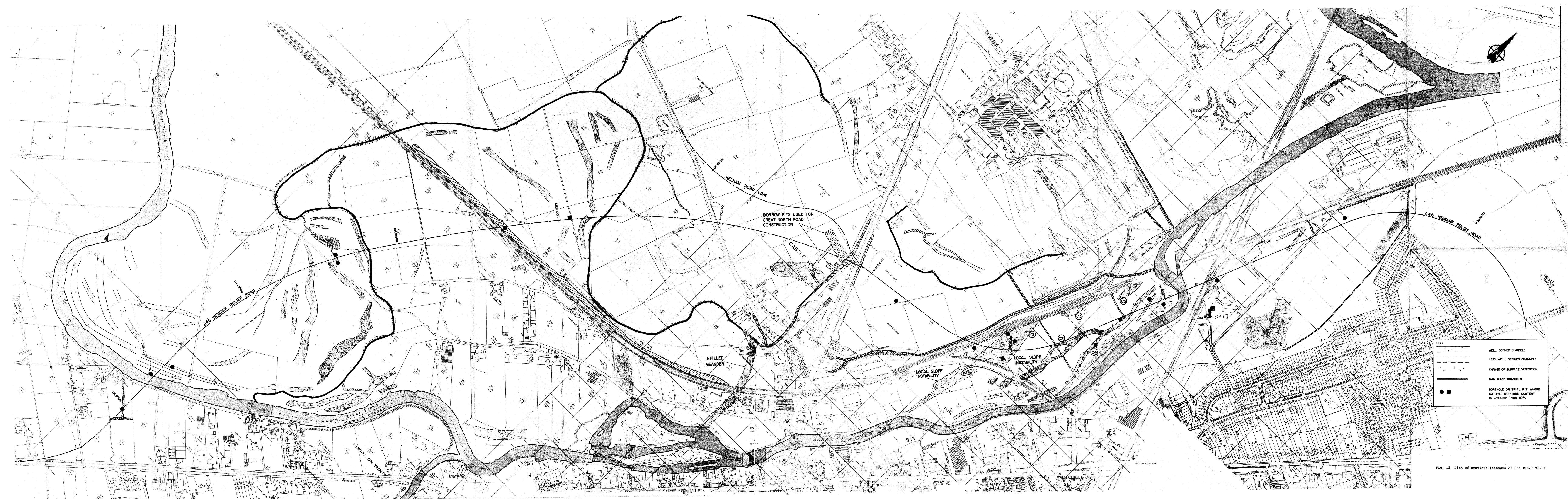
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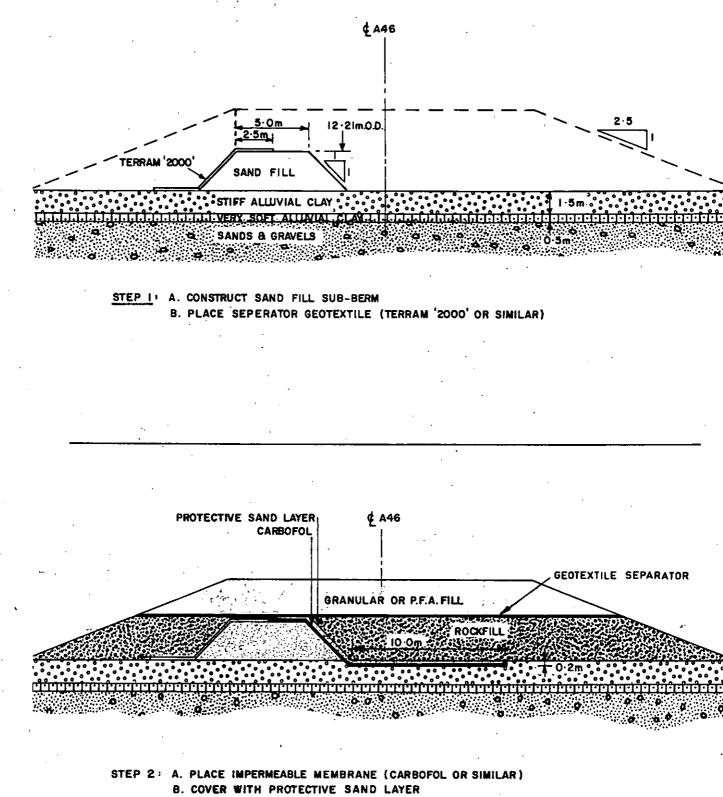
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exploration associates						A46 Newark Relief Road		Boreh			227

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C. COMPLETE MAIN EMBANKMENT

Fig. 16

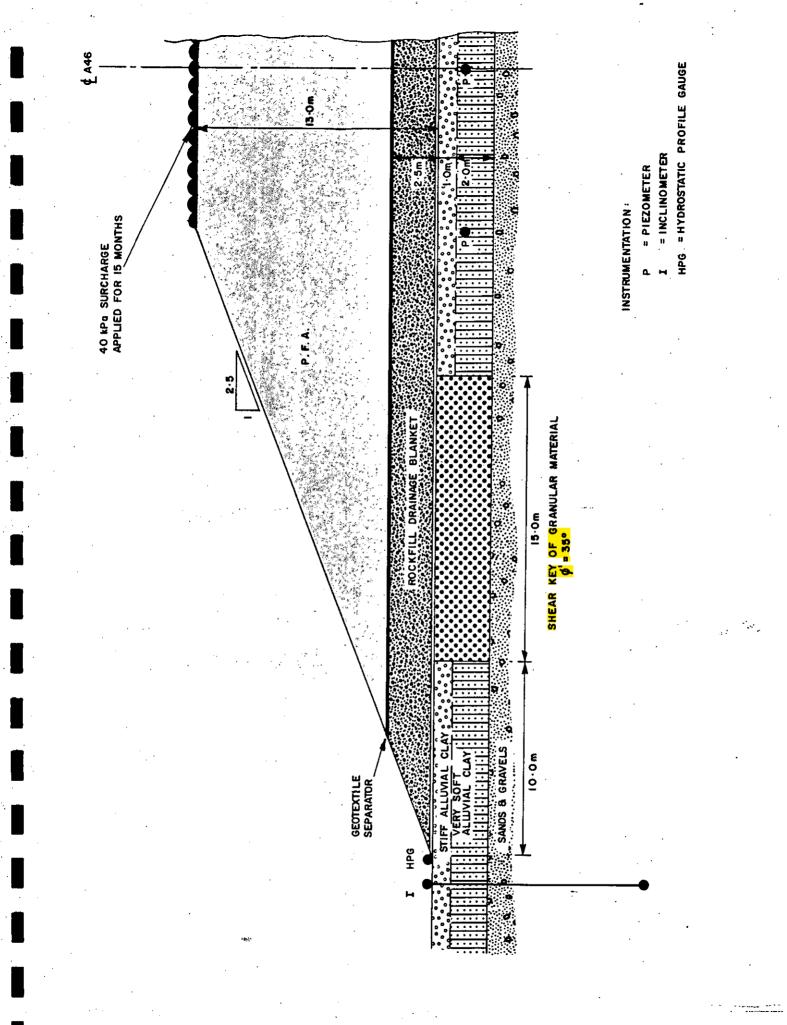


Fig. 18

Recommended method for improving stability, settlements and lateral movements at Nether Lock.

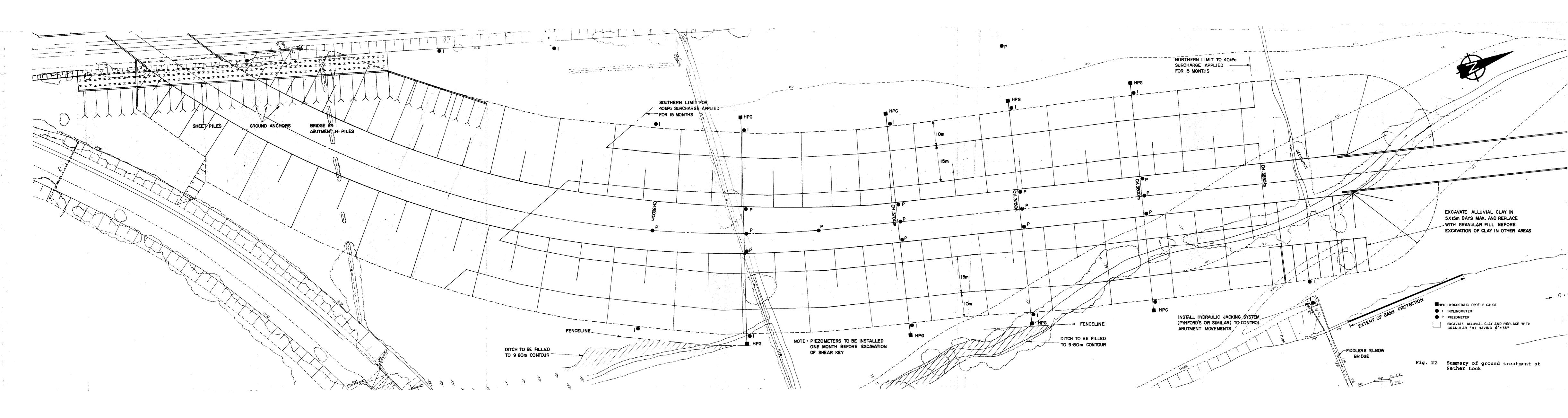


TABLE 1. PROPERTIES OF SOILS

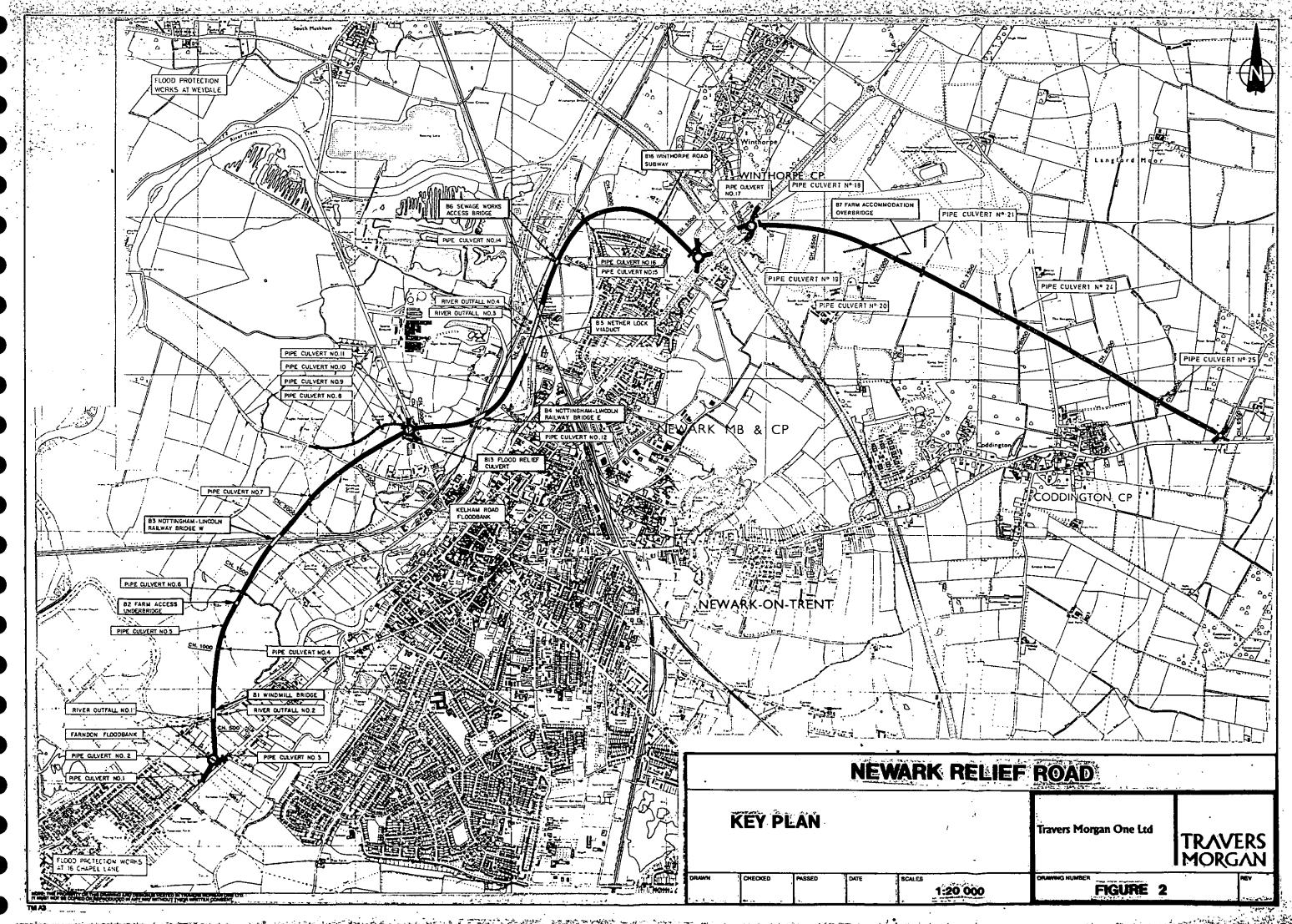
Deposit	cu	_ c'	Ø'	Unit Weight	Water Content	Cv
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Clay crust	70	0	30	18.6	22	4
Soft clay	13	Ō	30	17.7	40	1
Gravels	-	0	30	21.5	-	• –
Keuper IV	70	0	30	19.8	25	0.6 - 46
Keuper III	100	0	35	19.5	16	0.1 - 200

the upper limits to the C_v for Keuper Marl are the highest measured values; in many cases consolidation took place faster than could be measured.

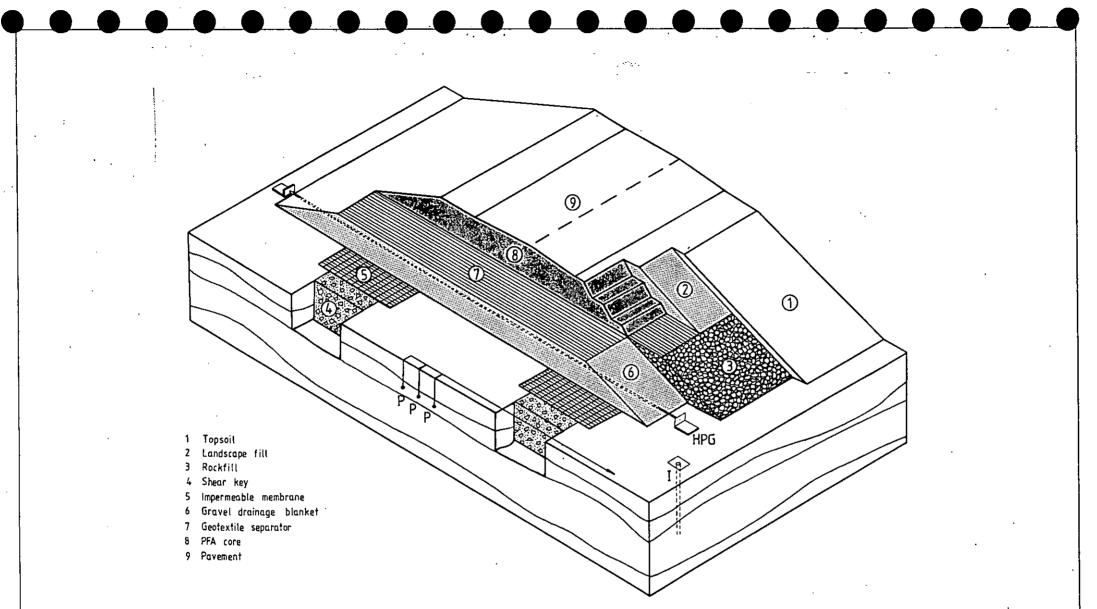
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Appendix C. Extracts from Geotechnical Feedback Report on Newark Relief Road, Department of Transport East Midland Regional Office, 1991

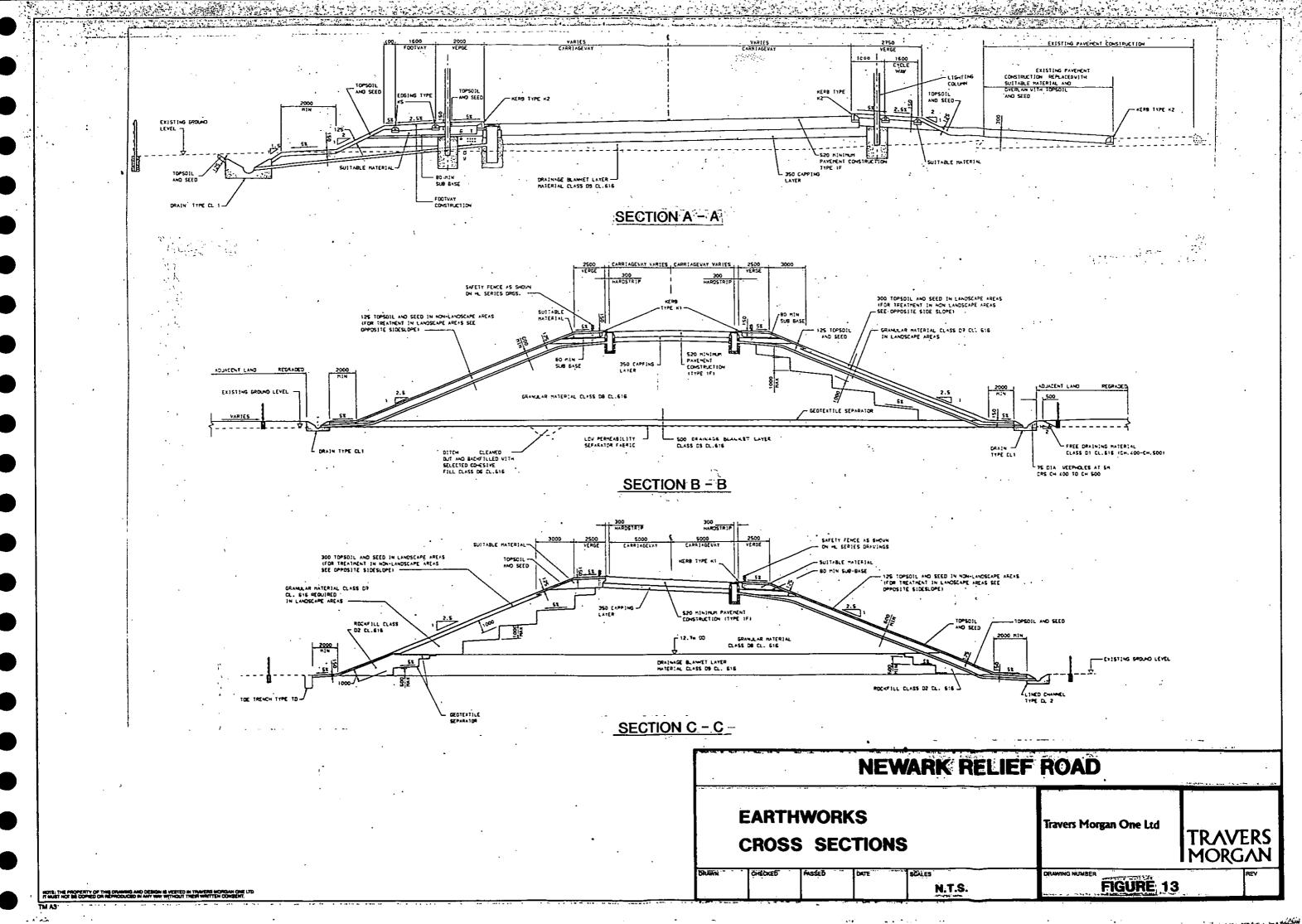


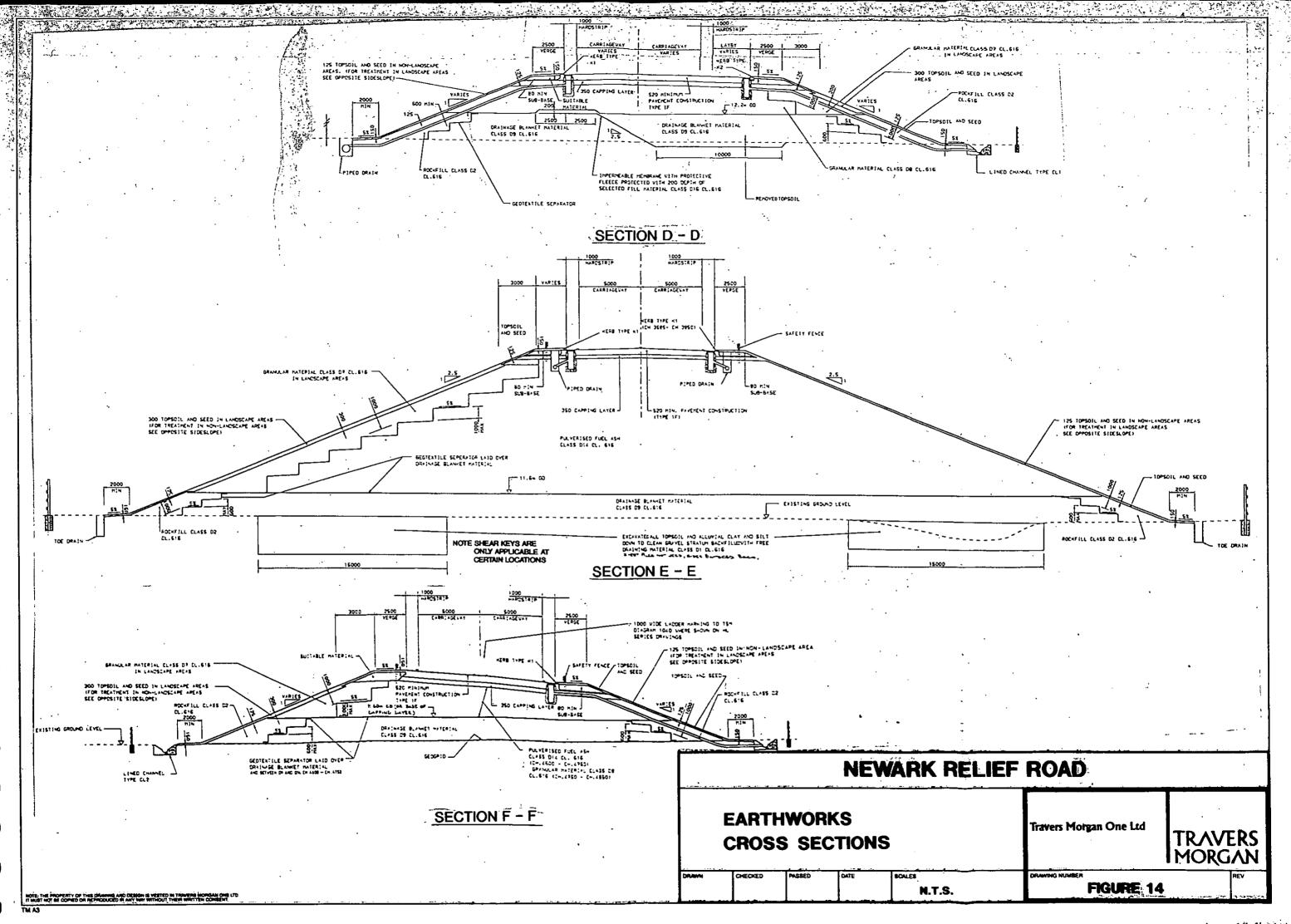
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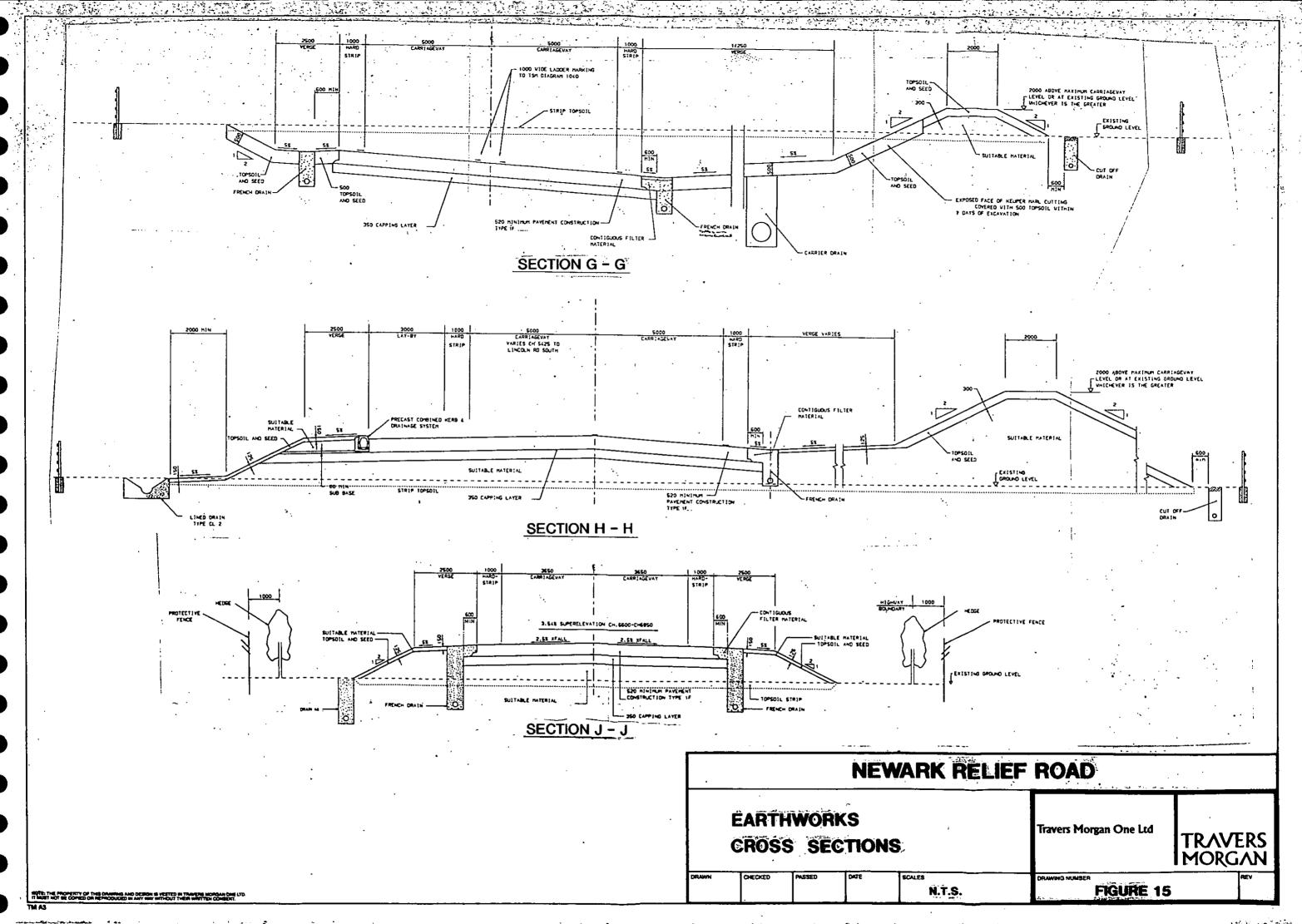


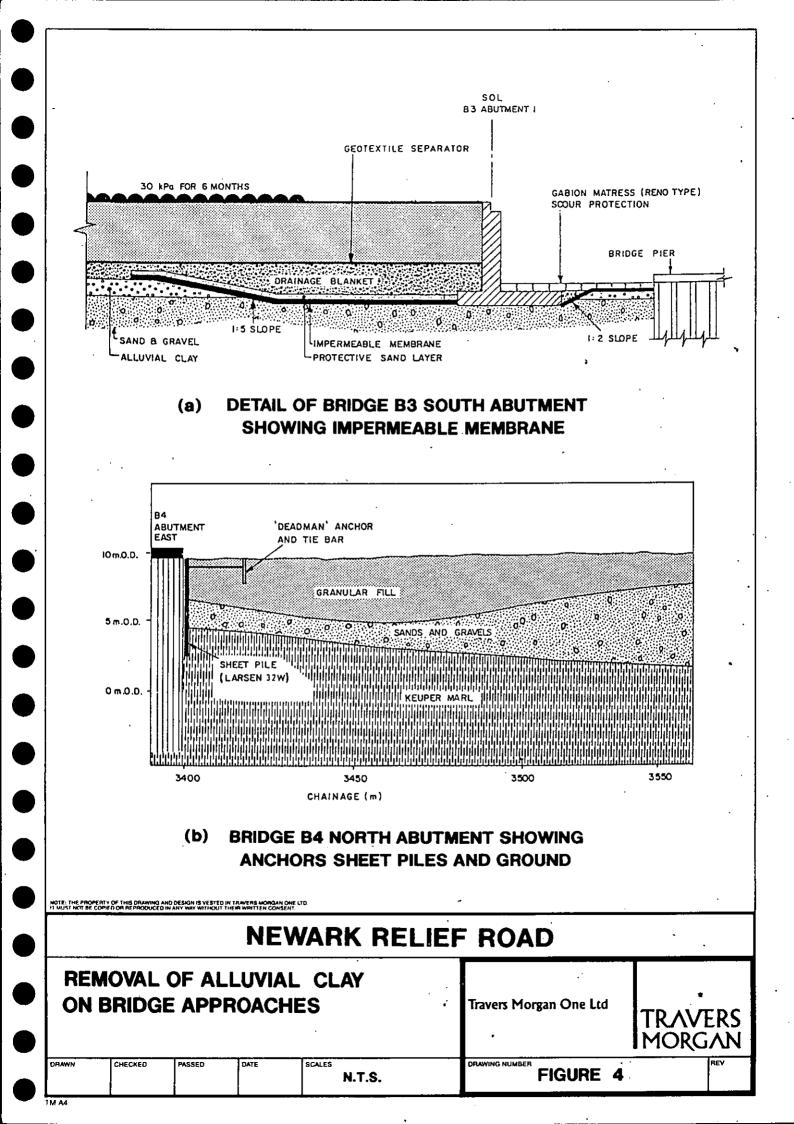
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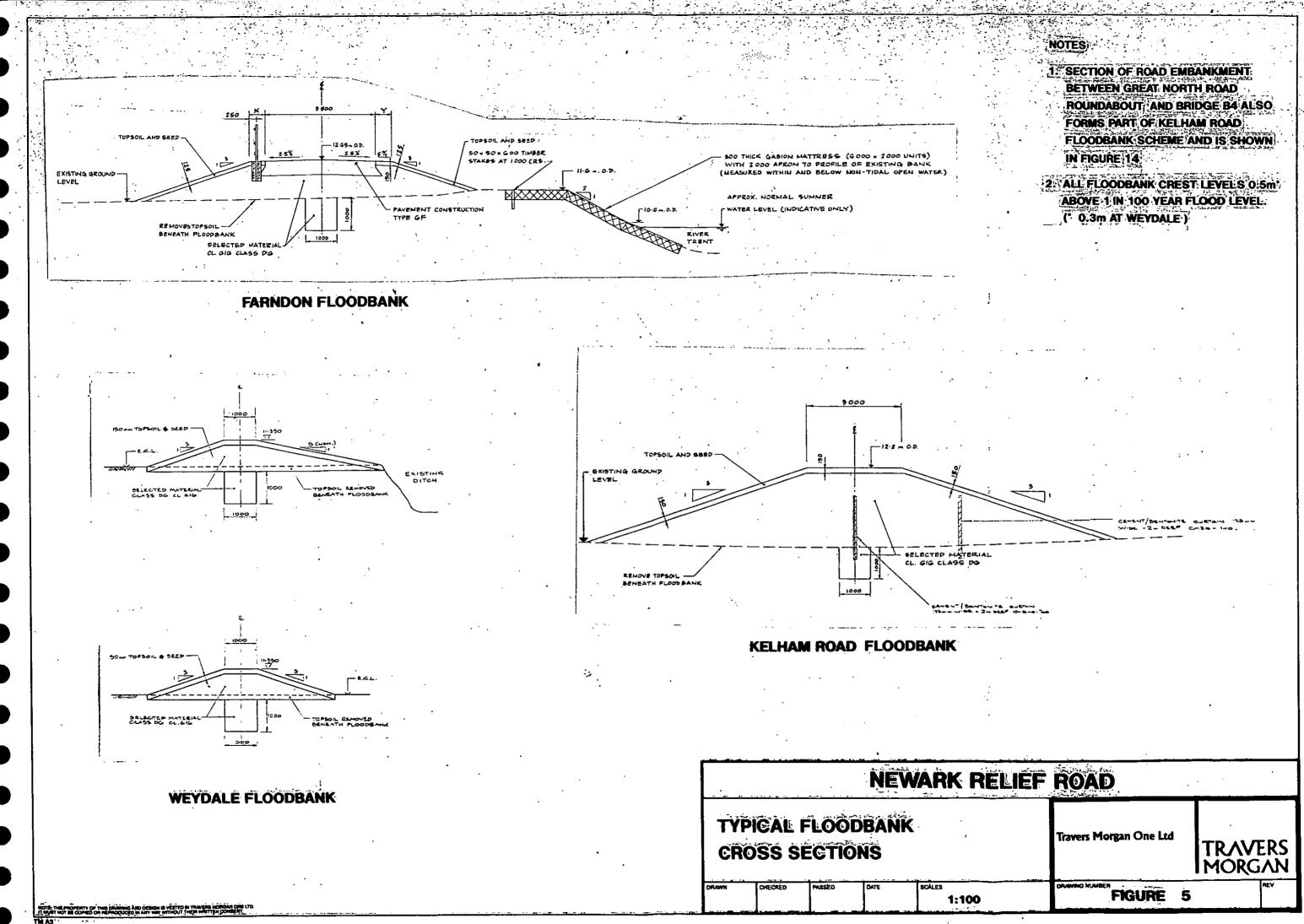
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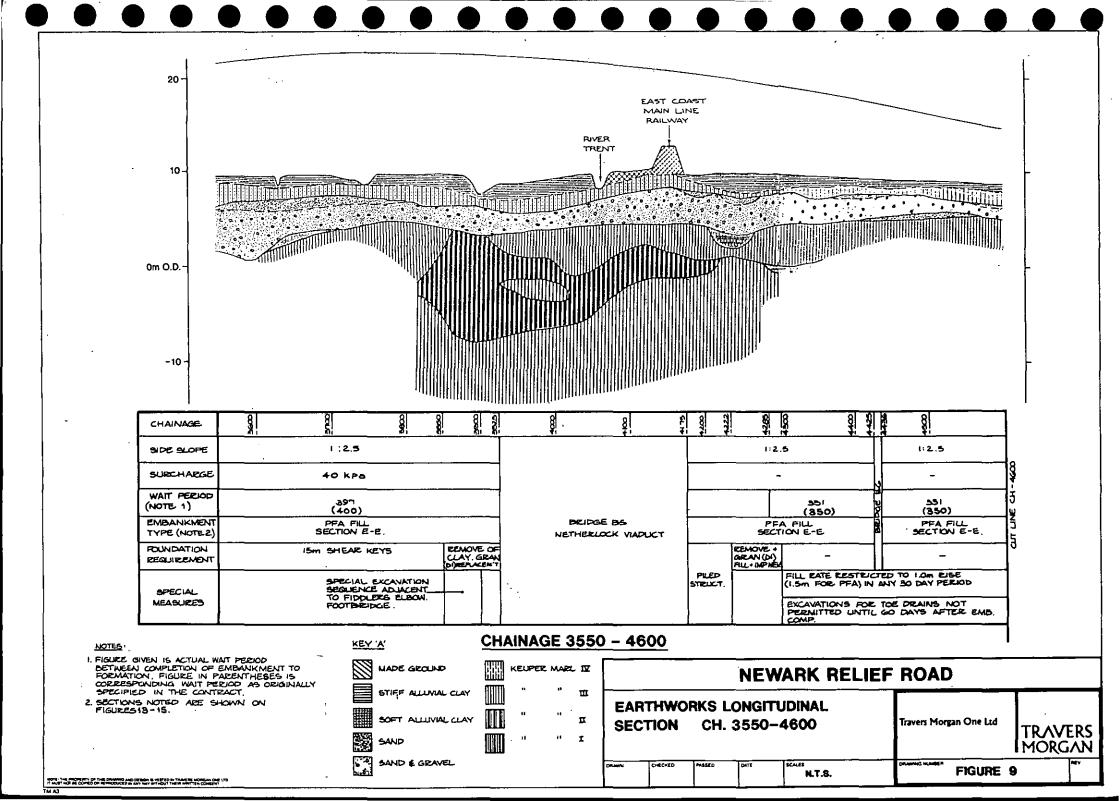


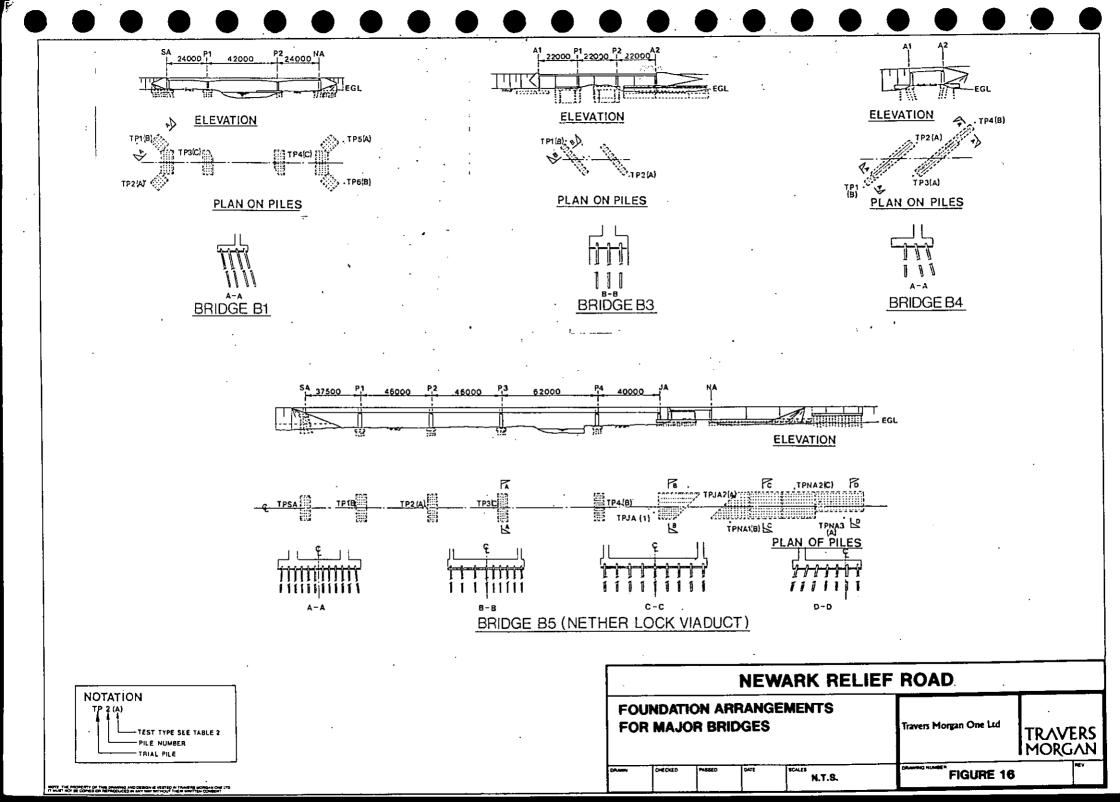






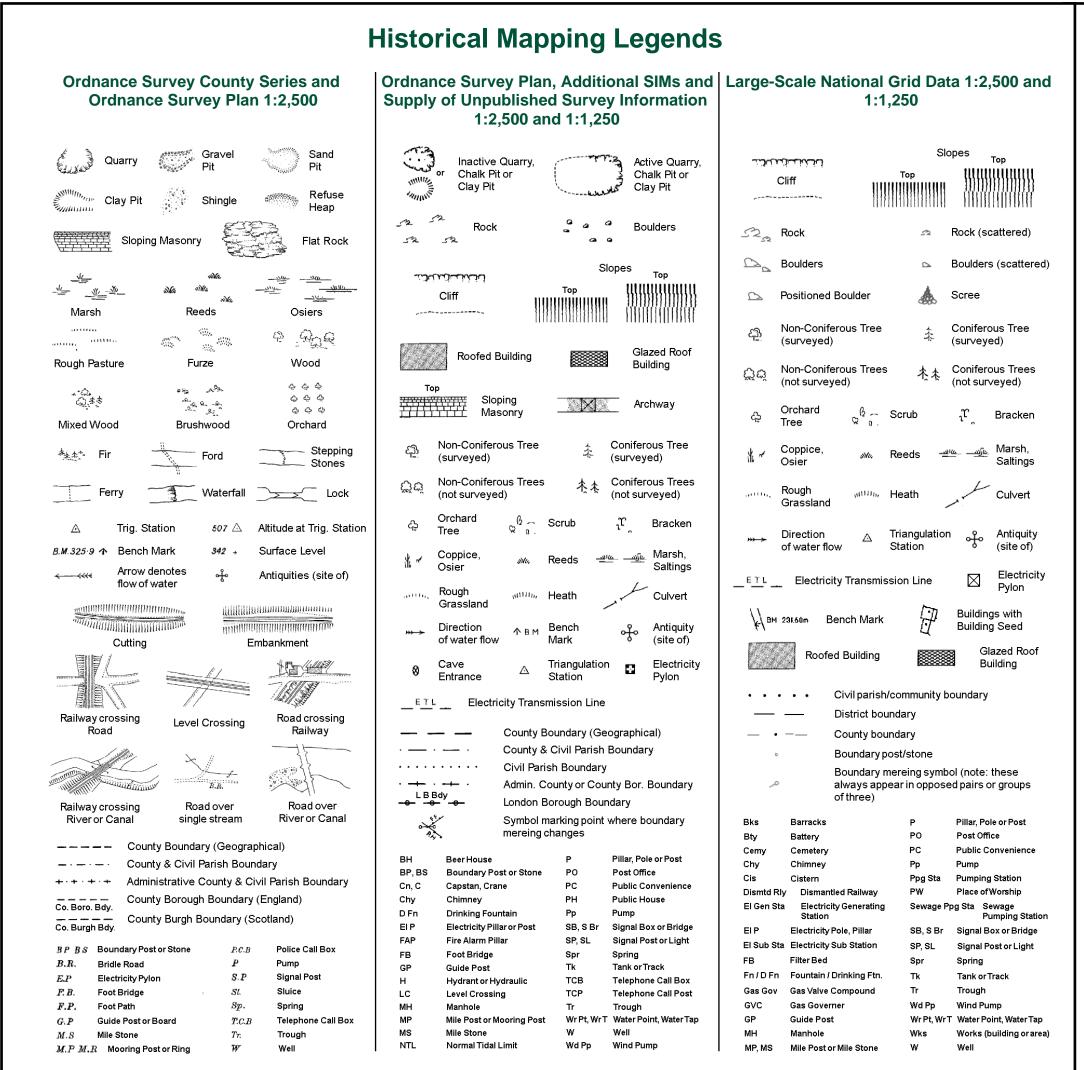








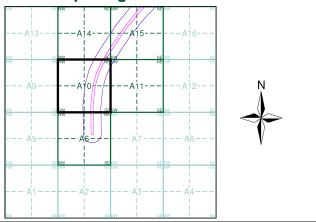
Appendix D. Extracts from Envirocheck report



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Nottinghamshire	1:2,500	1885 - 1886	2
Nottinghamshire	1:2,500	1900	3
Nottinghamshire	1:2,500	1919 - 1920	4
Ordnance Survey Plan	1:2,500	1969 - 1971	5
Additional SIMs	1:2,500	1985 - 1991	6
Additional SIMs	1:2,500	1990 - 1991	7
Additional SIMs	1:2,500	1992	8
Large-Scale National Grid Data	1:2,500	1993	9
Large-Scale National Grid Data	1:1,250	1993	10
Large-Scale National Grid Data	1:2,500	1996	11
Large-Scale National Grid Data	1:1,250	1996	12
Historical Aerial Photography	1:2,500	1999	13

Historical Map - Segment A10



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 Α 21.45 100

Tel

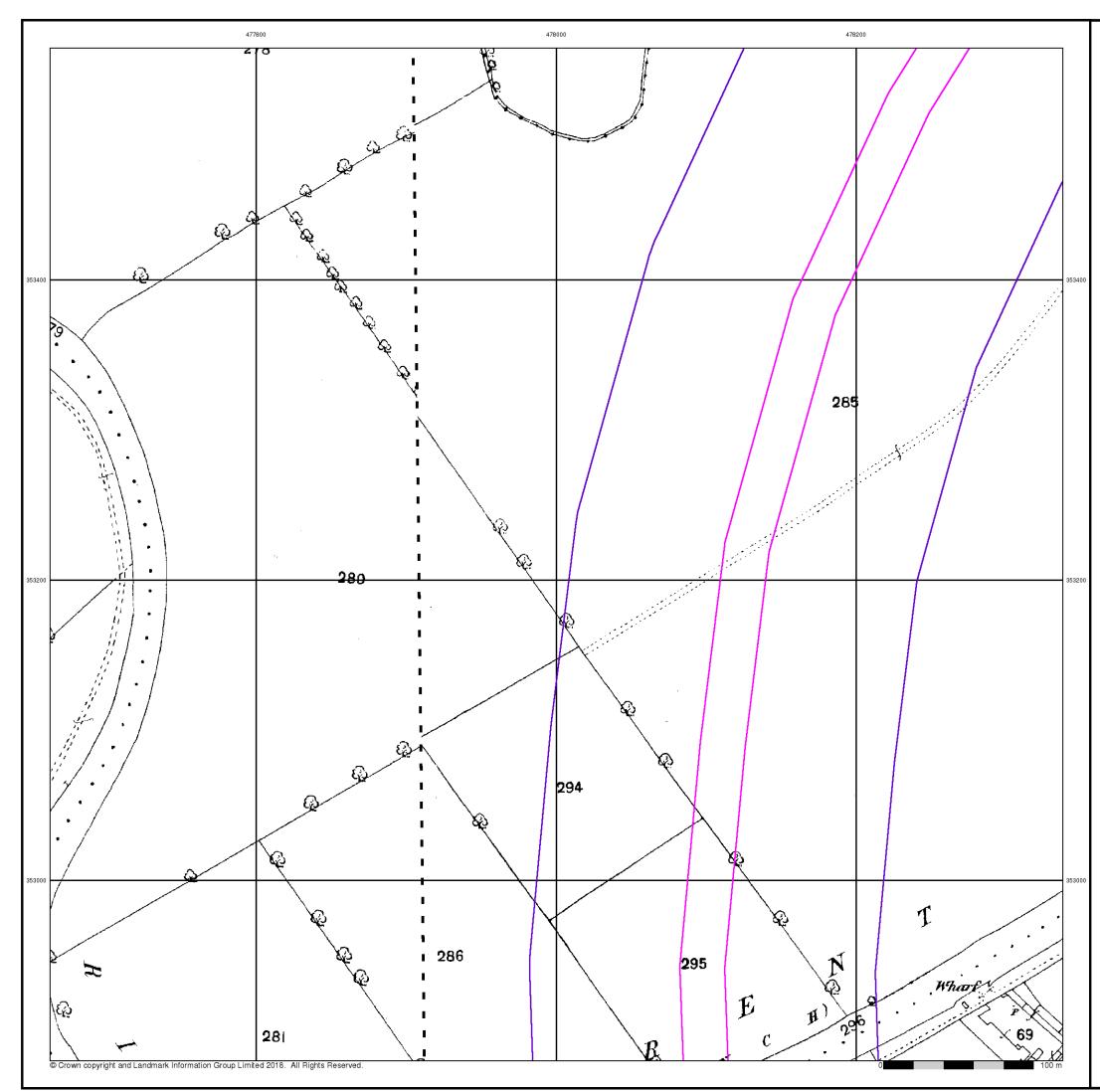
Fax: Web



A46, Newark, NG24 2PG







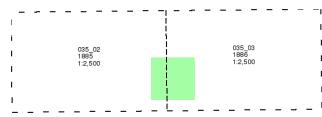
Nottinghamshire

Published 1885 - 1886

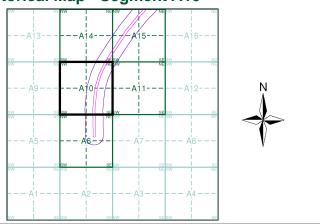
Source map scale - 1:2,500

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 A10



Order Details

Order Number:
 Customer Ref:
 5162675 sub no 255

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

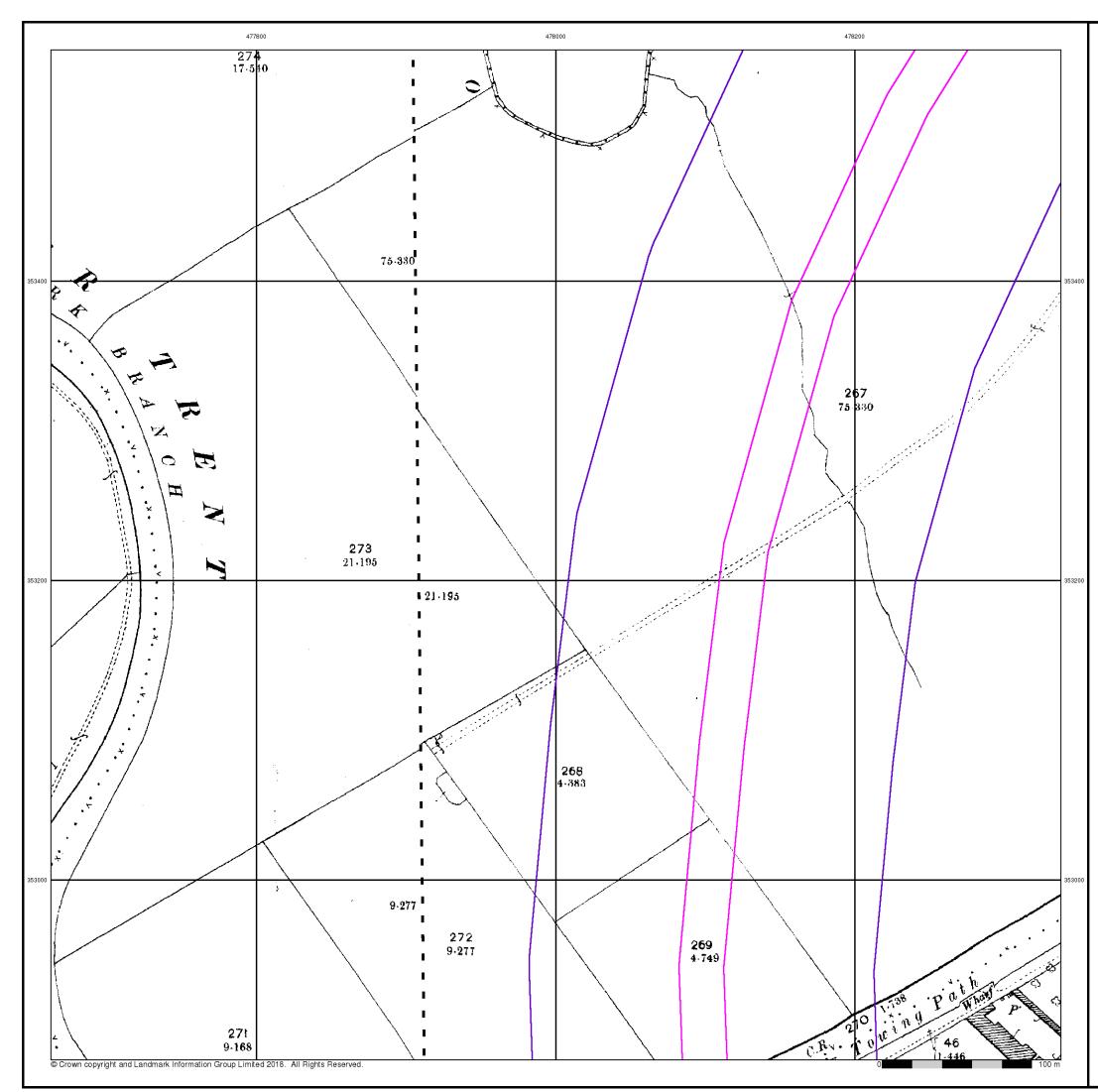
172582399_1_1 А 21.45 100

Tel: Fax: Web:



A46, Newark, NG24 2PG





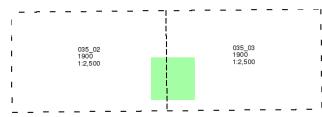
Nottinghamshire

Published 1900

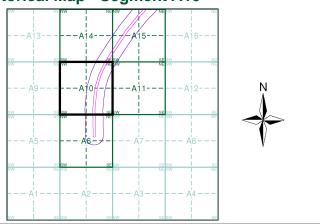
Source map scale - 1:2,500

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 A10



Order Details

Order Number:
 Customer Ref:
 5162675 sub no 255

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

172582399_1_1 А 21.45 100



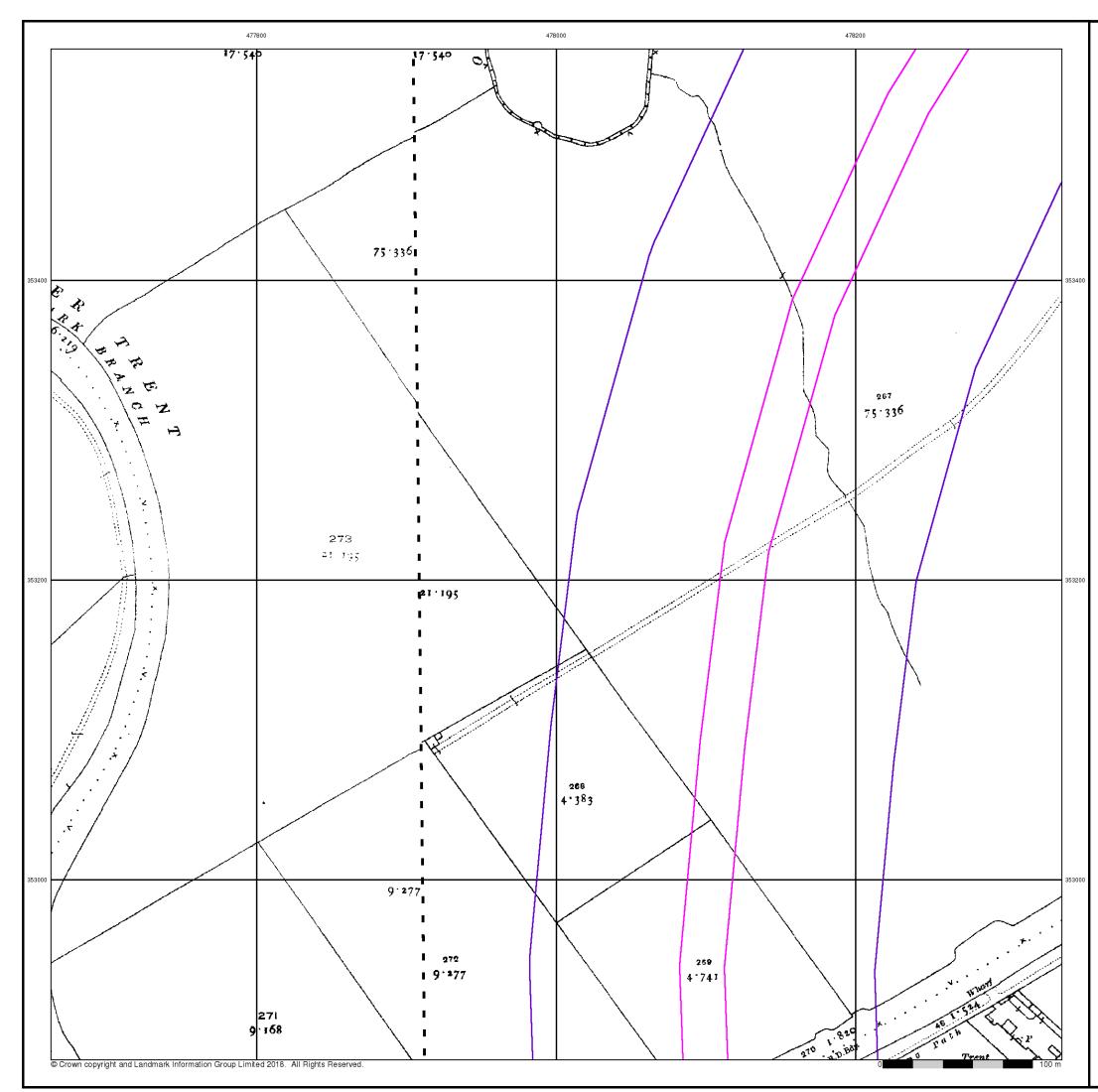
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Tel: Fax: Web:



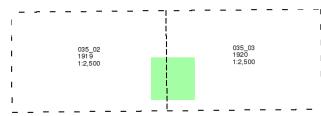
Nottinghamshire

Published 1919 - 1920

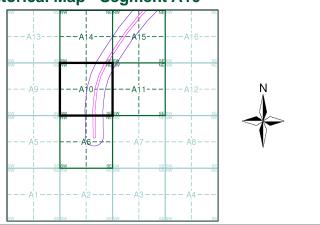
Source map scale - 1:2,500

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 A10



Order Details

Order Number:
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 5162675 sub no 255

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 478240, 353050
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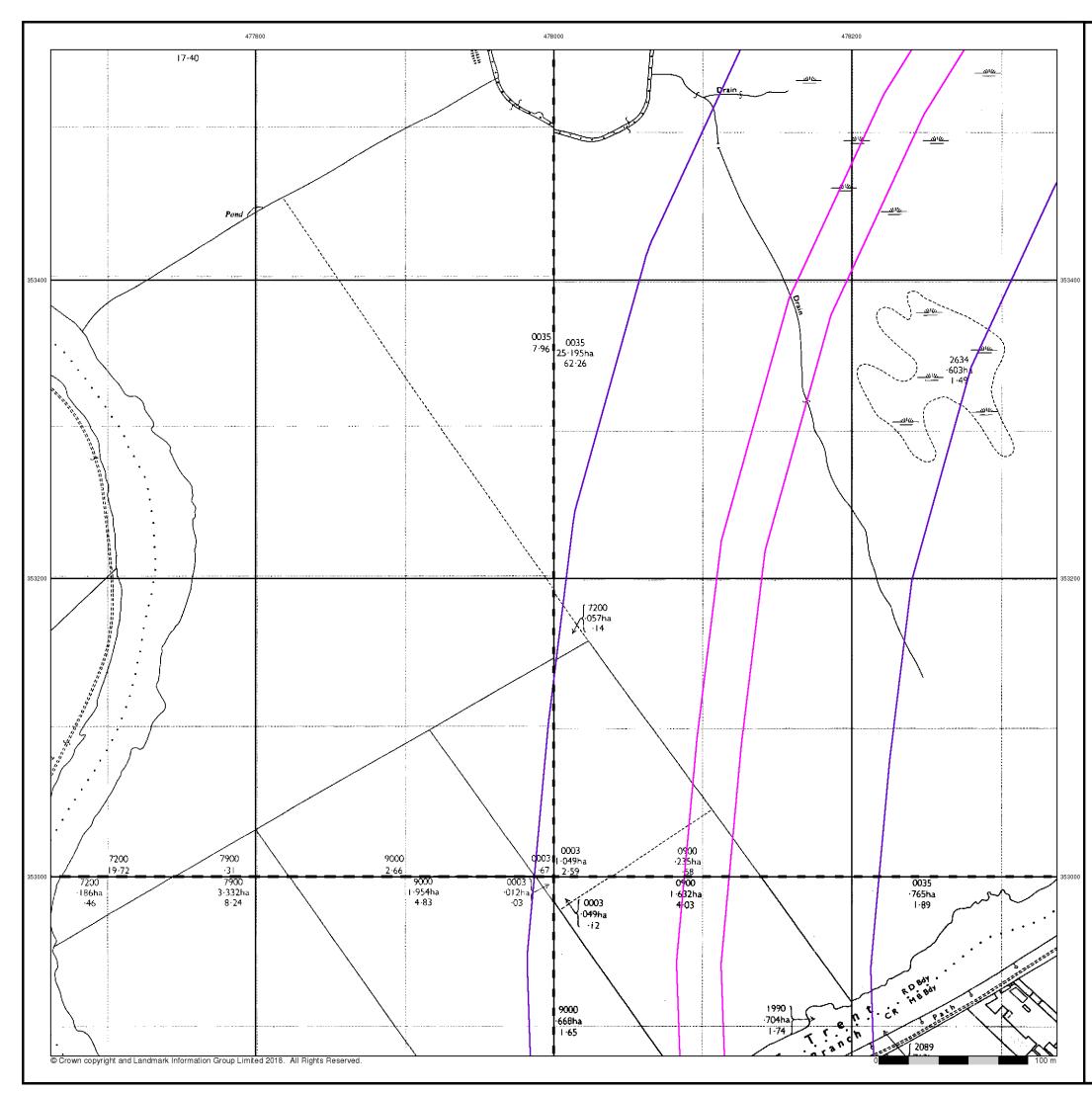
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Tel: Fax: Web:



A46, Newark, NG24 2PG

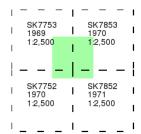




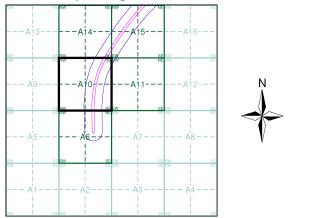
Ordnance Survey Plan Published 1969 - 1971 Source map scale - 1:2,500

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 A10



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100

Tel: Fax: Web:

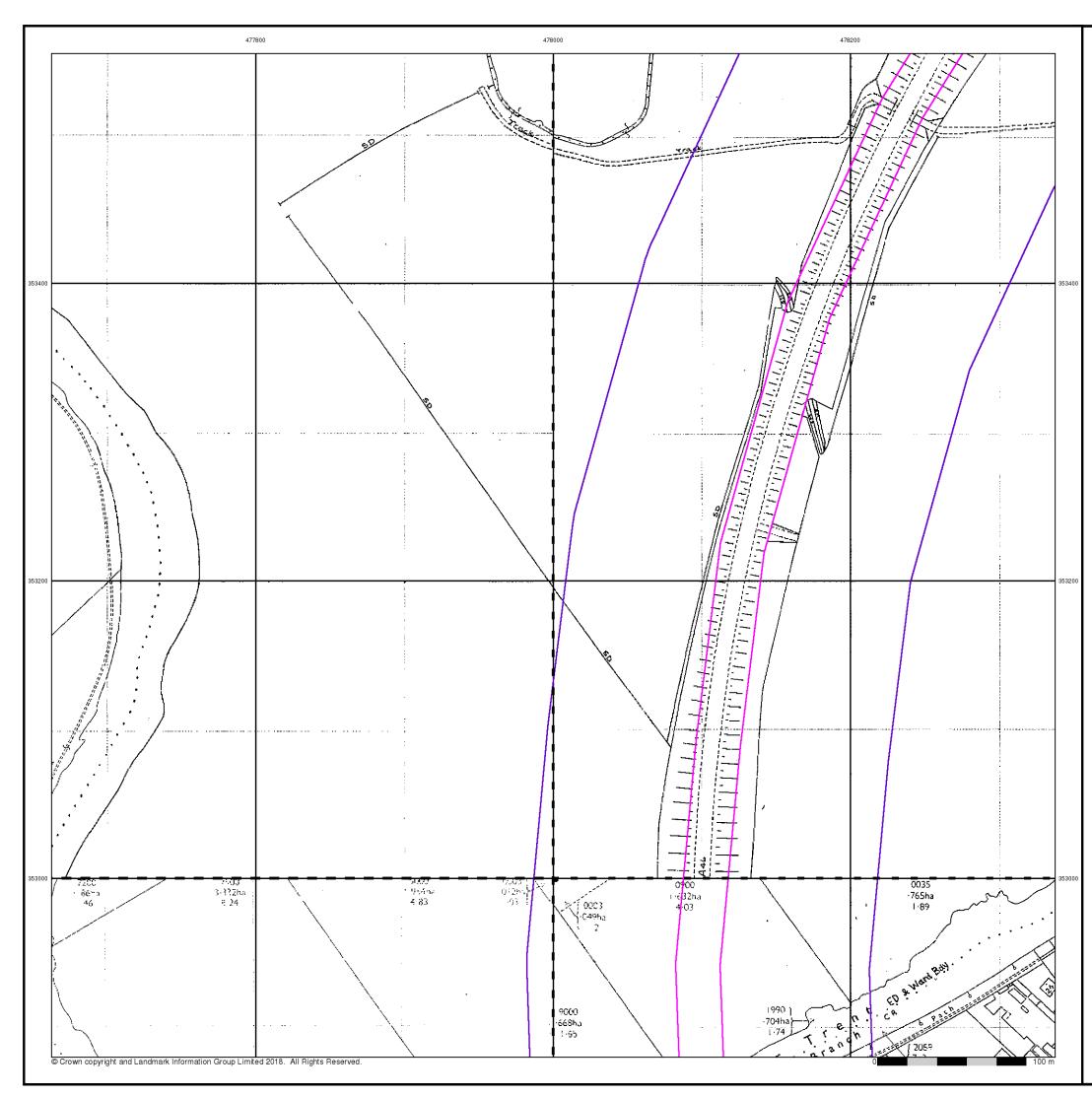


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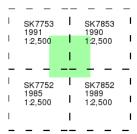
Additional SIMs

Published 1985 - 1991

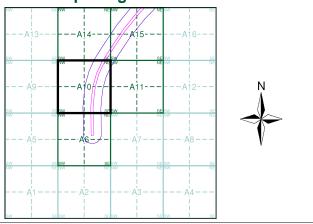
Source map scale - 1:2,500

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 A10



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

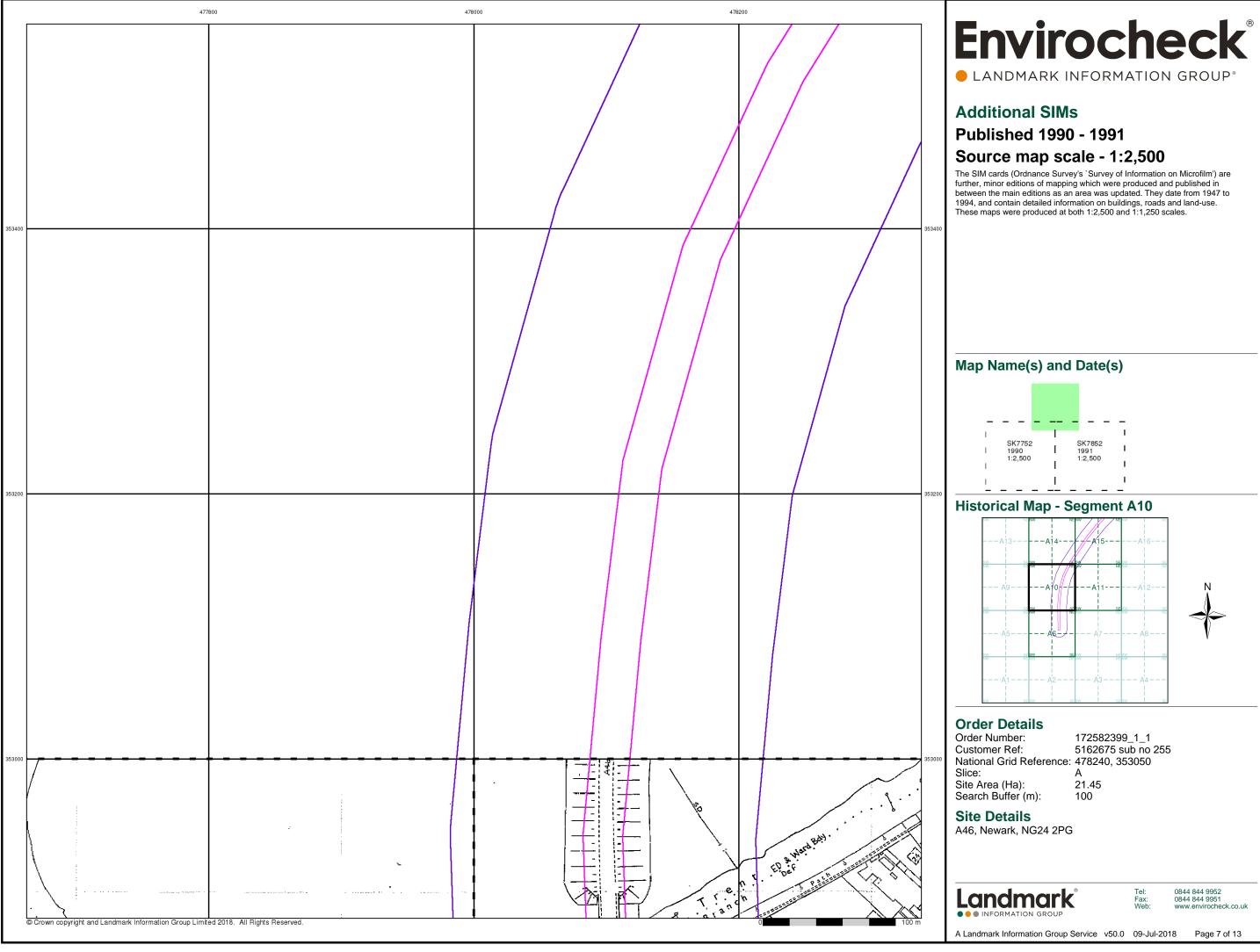
172582399_1_1 5162675 sub no 255 А 21.45 100

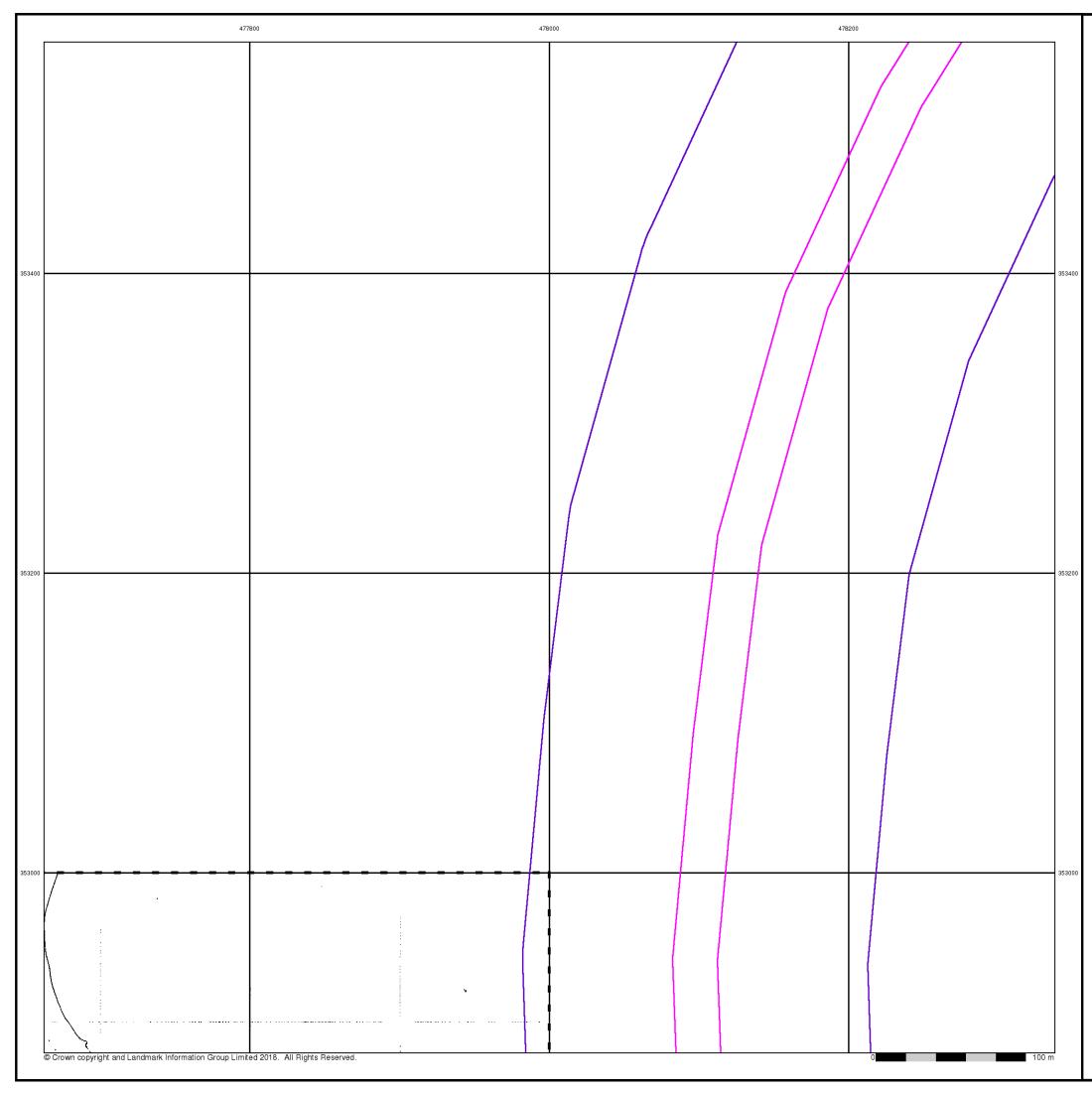
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A46, Newark, NG24 2PG







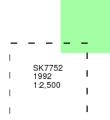
Additional SIMs

Published 1992

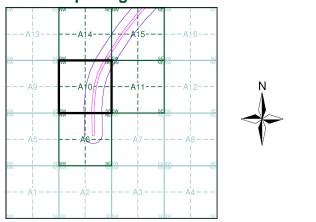
Source map scale - 1:2,500

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 A10



Order Details

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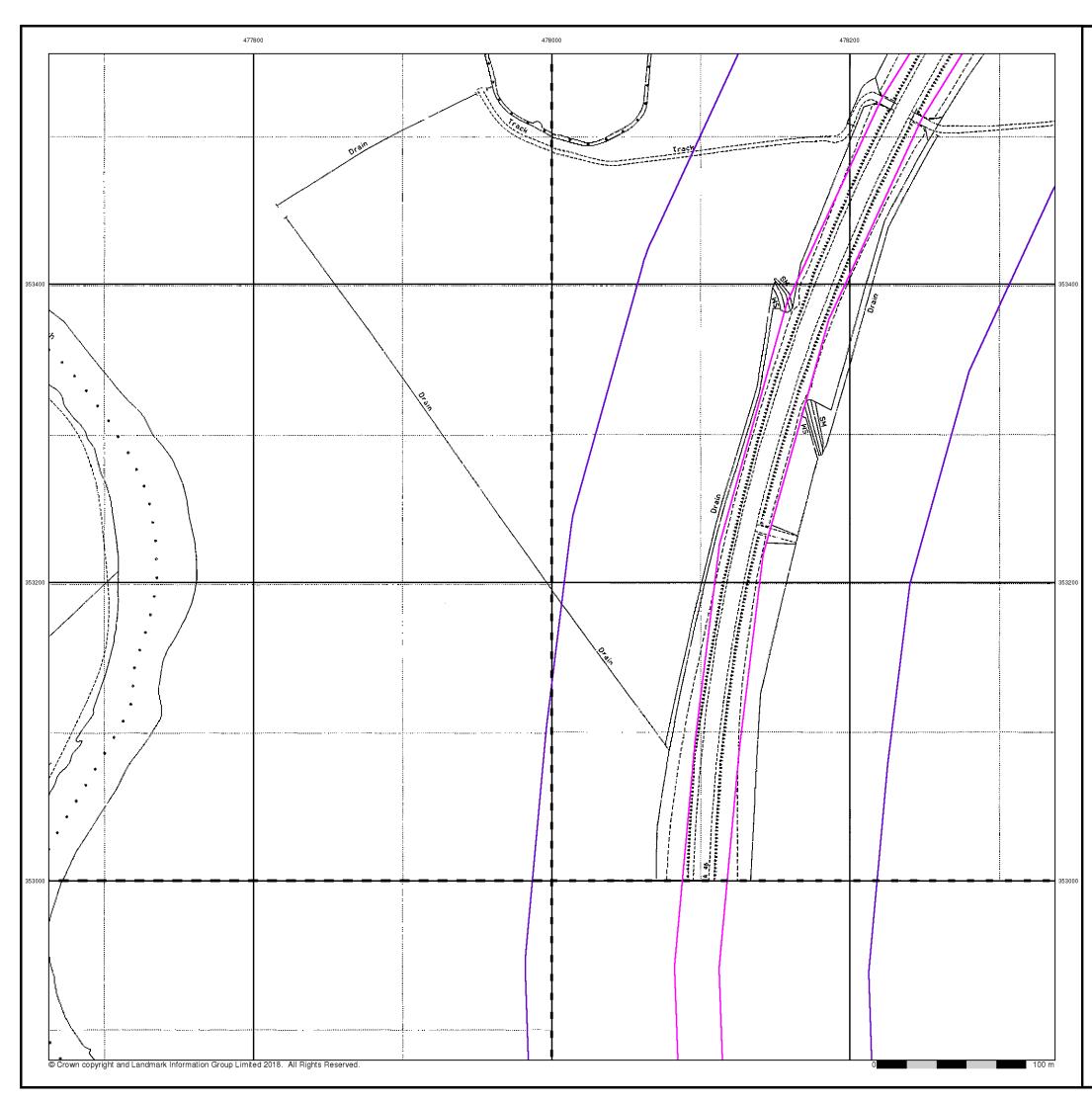
172582399_1_1 А 21.45 100

Tel: Fax: Web:



A46, Newark, NG24 2PG



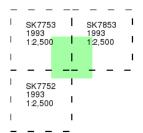


Large-Scale National Grid Data Published 1993

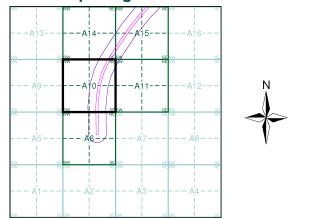
Source map scale - 1:2,500

'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 A10



Order Details

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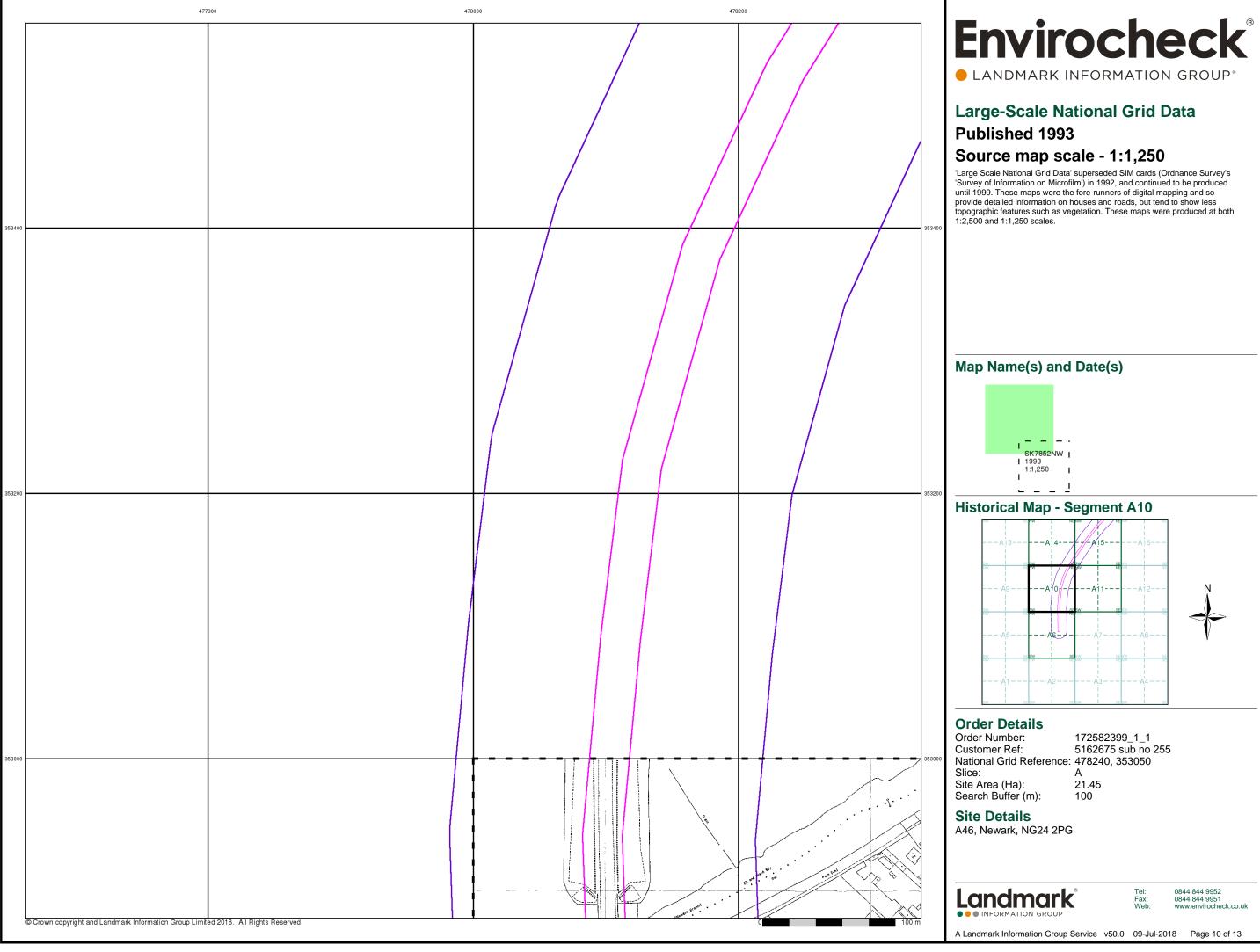
172582399_1_1 5162675 sub no 255 А 21.45 100

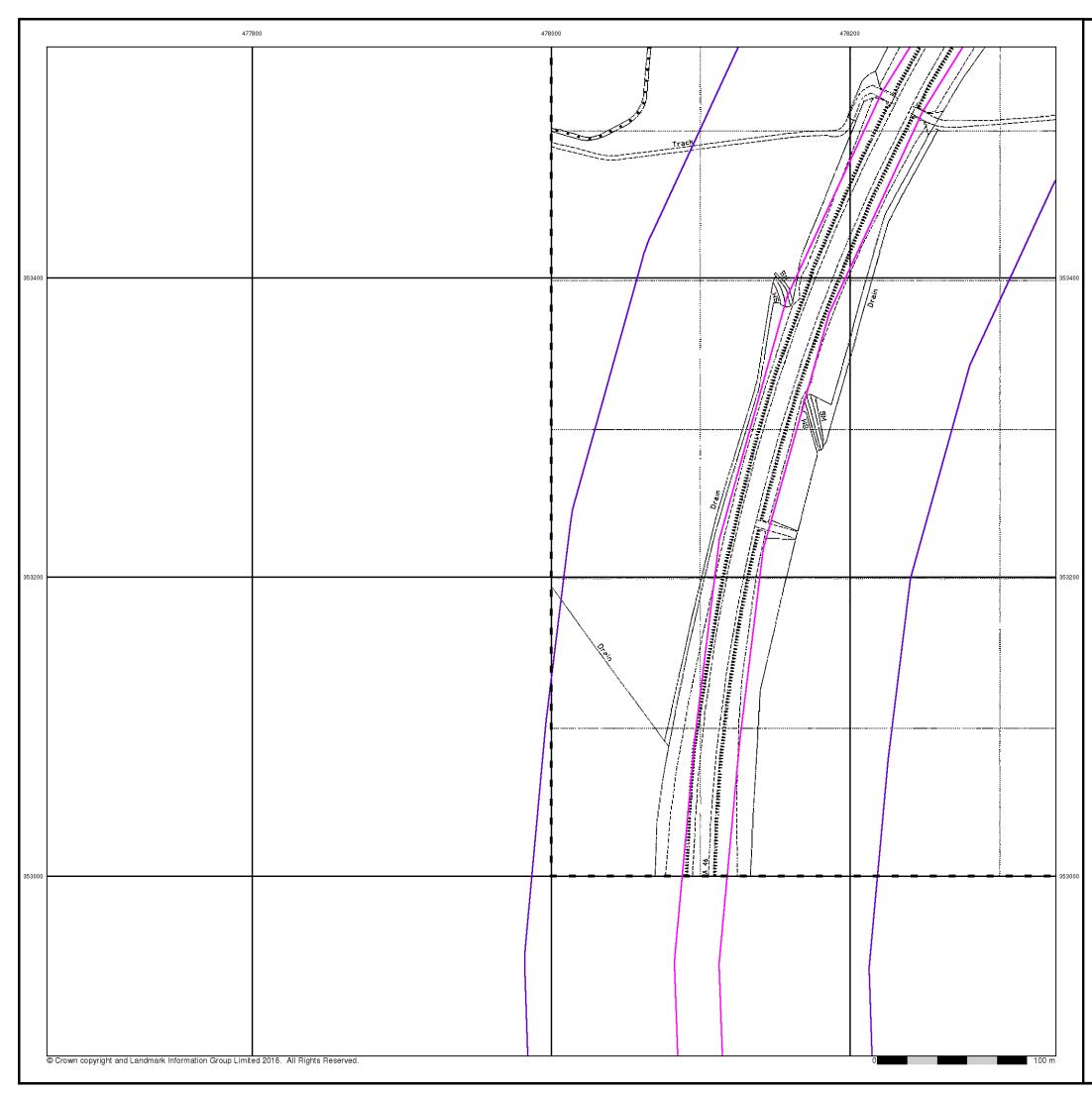
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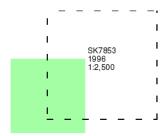


Large-Scale National Grid Data Published 1996

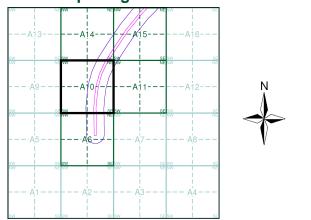
Source map scale - 1:2,500

'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 A10



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100



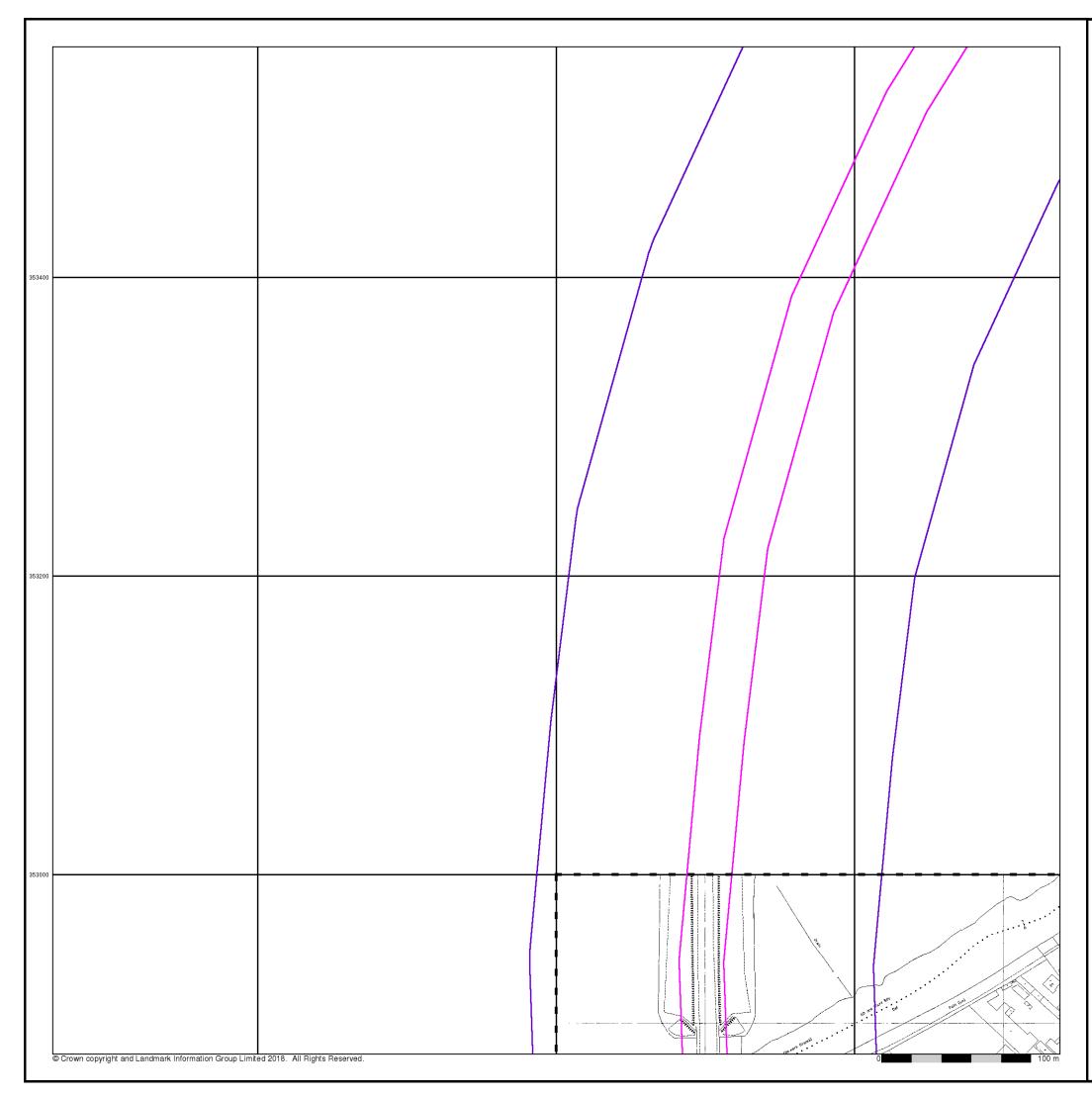
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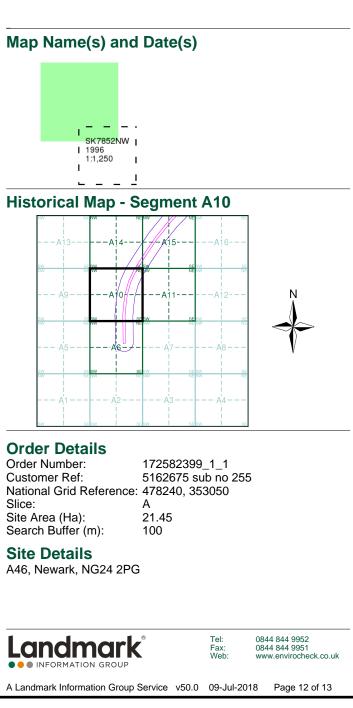
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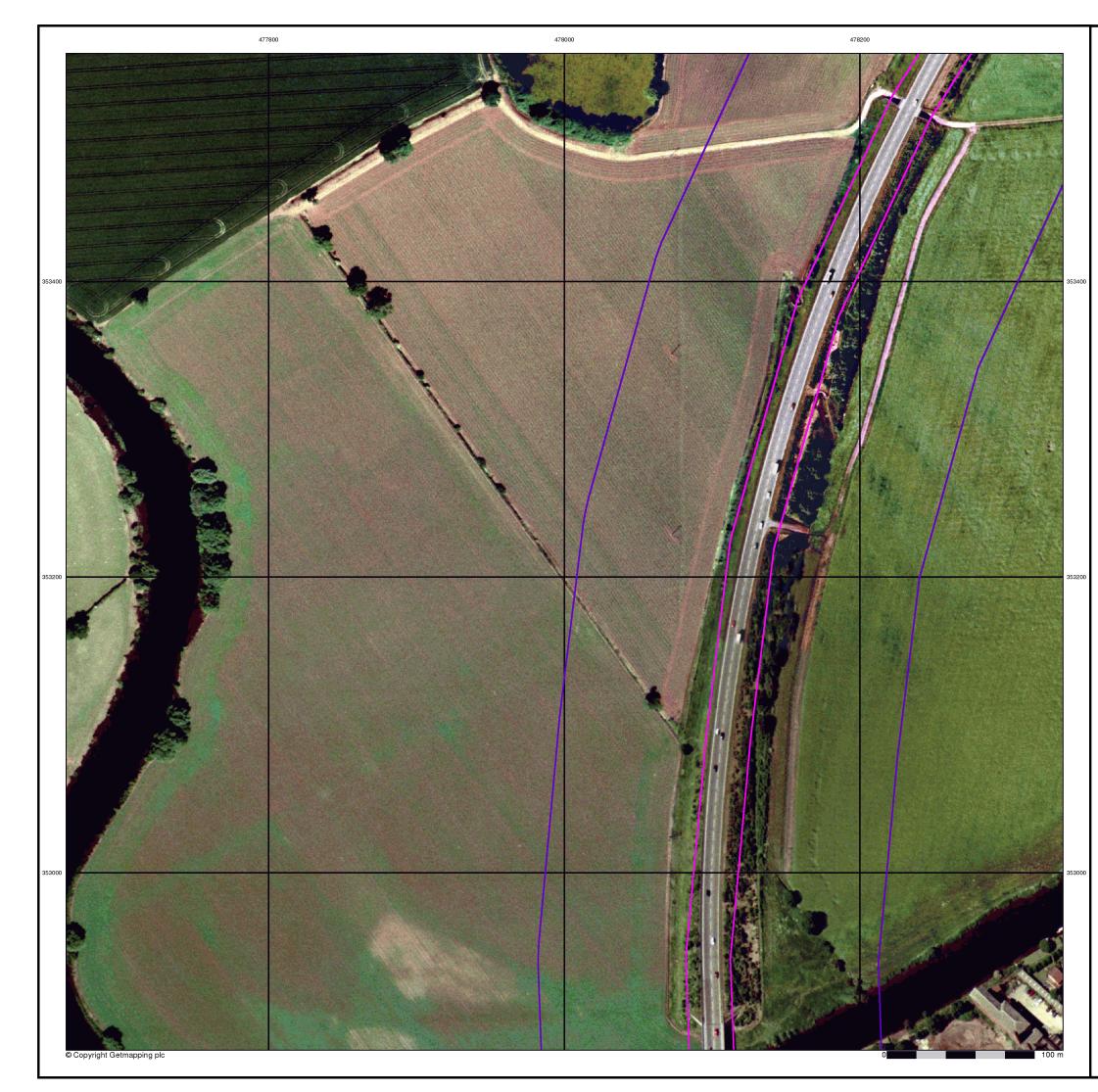


Large-Scale National Grid Data Published 1996

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.

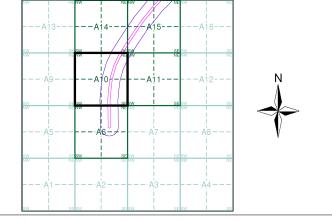




Historical Aerial Photography Published 1999

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





Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

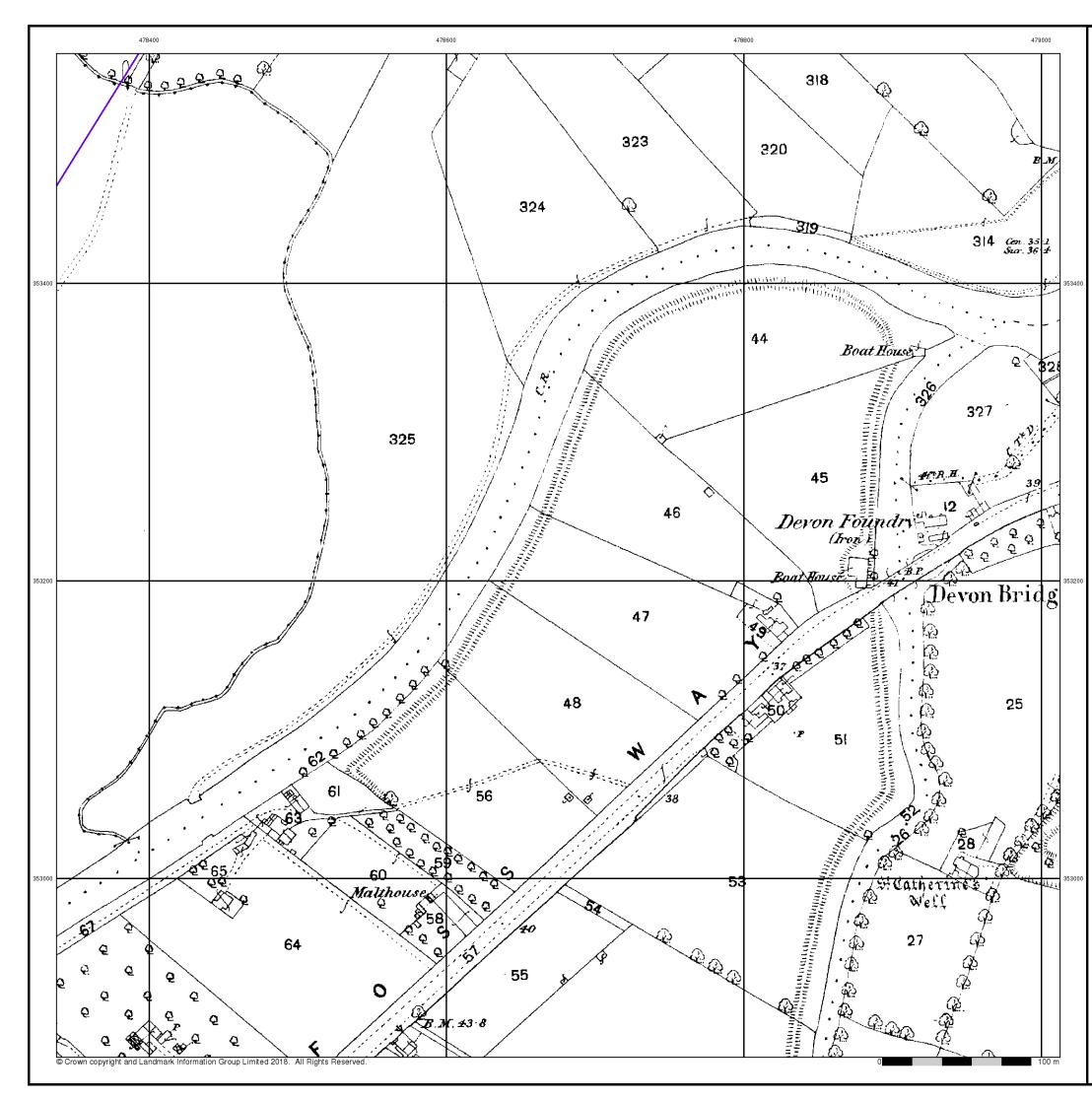
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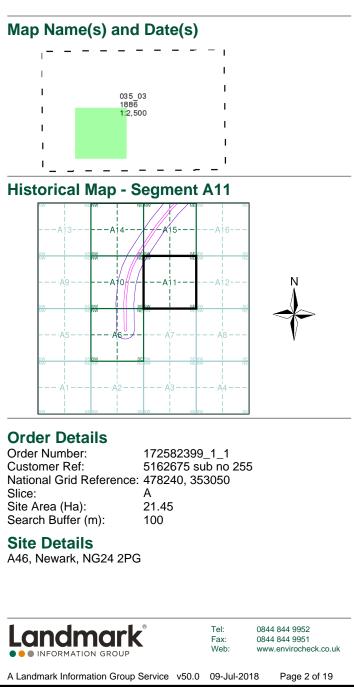


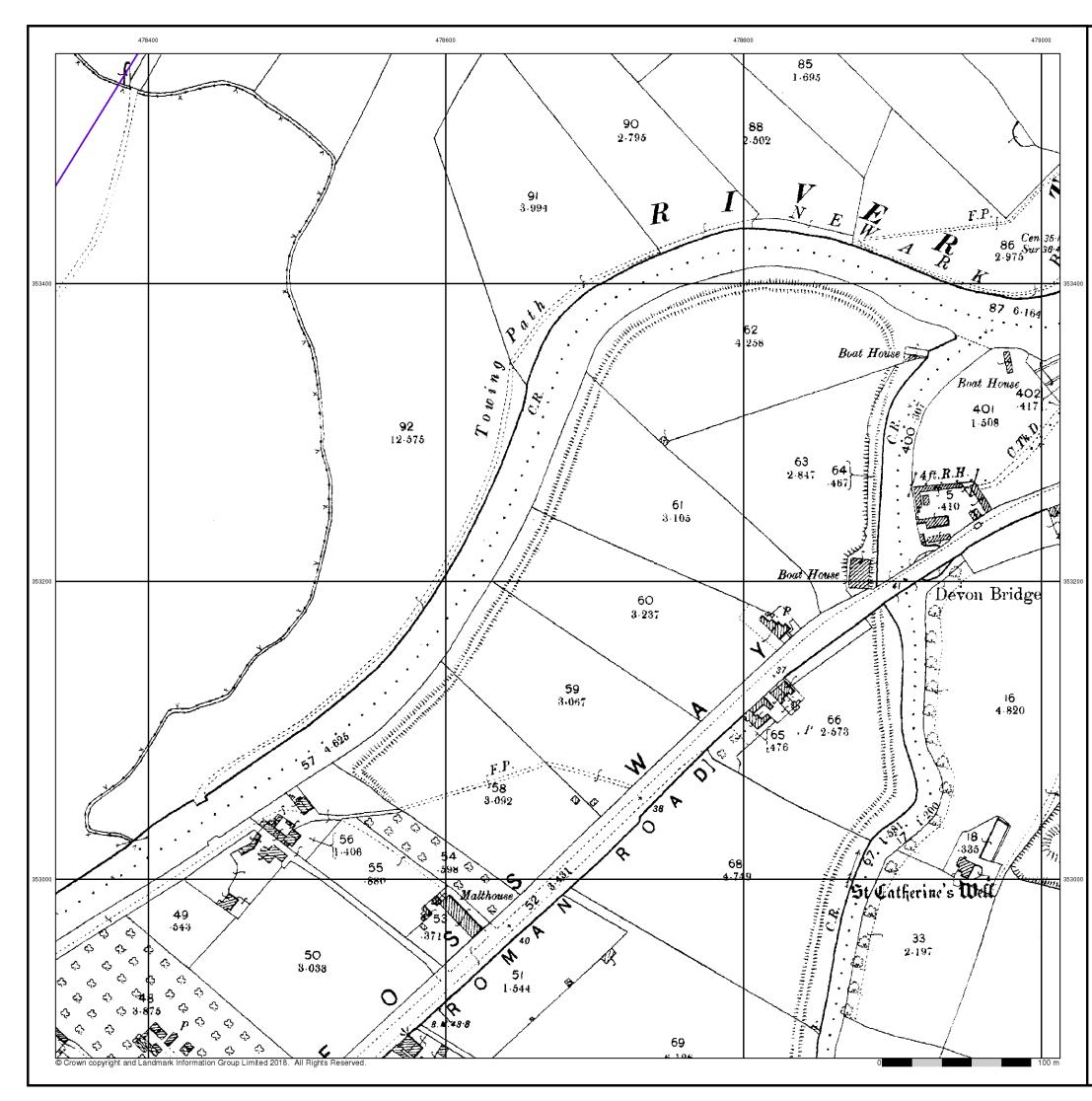
Nottinghamshire

Published 1886

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.



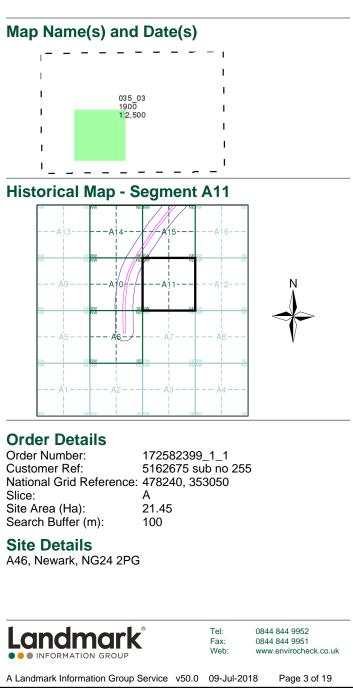


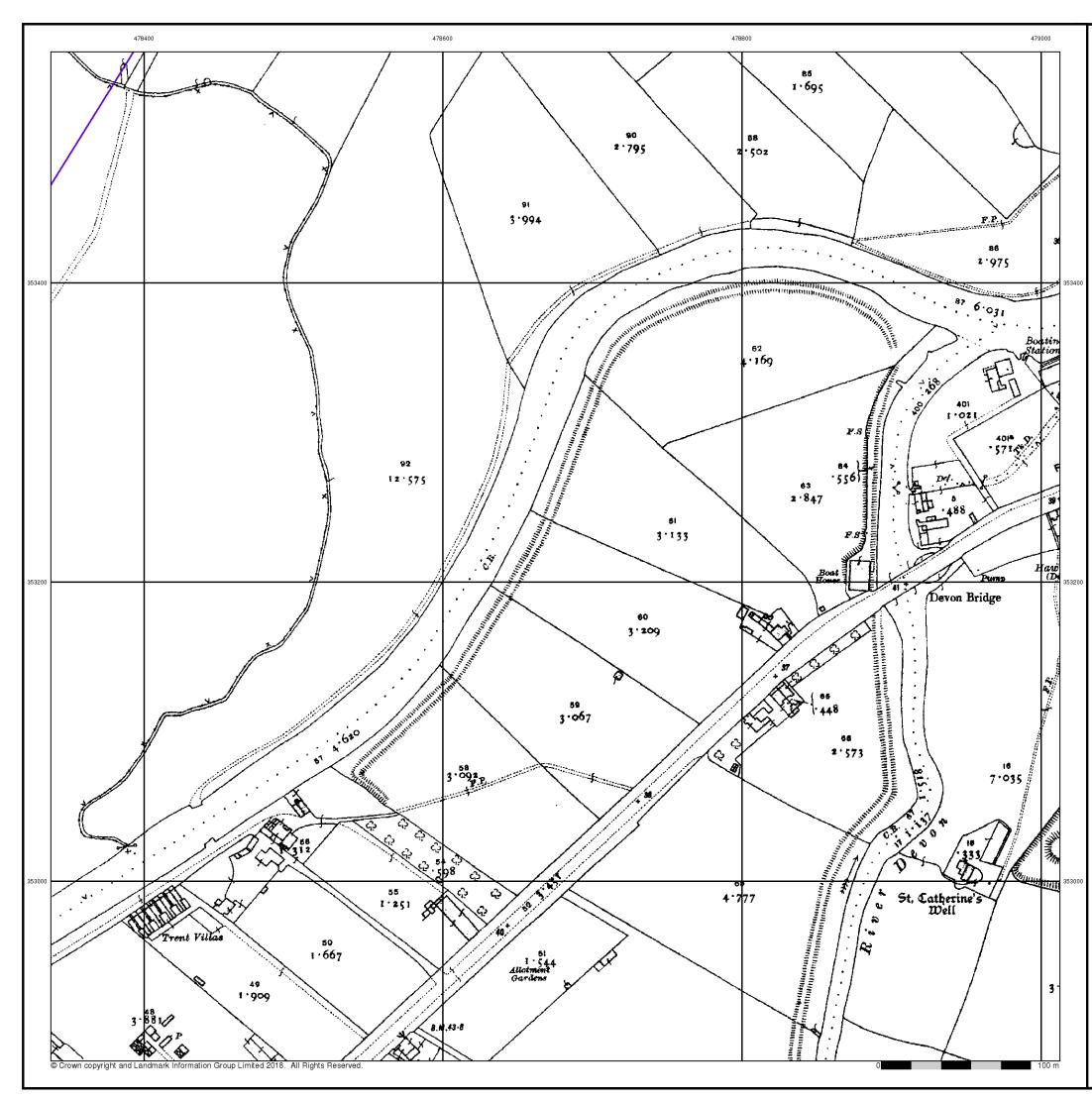
Nottinghamshire

Published 1900

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.



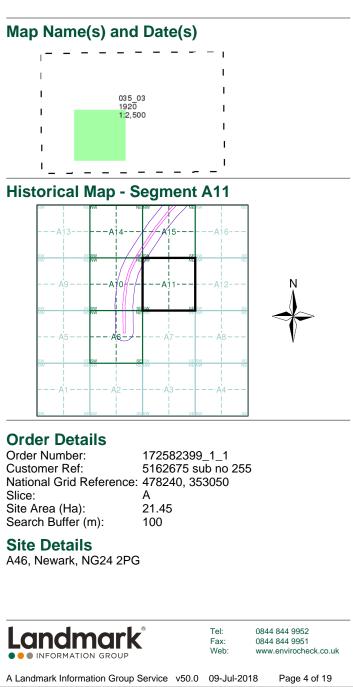


Nottinghamshire

Published 1920

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.

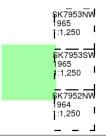


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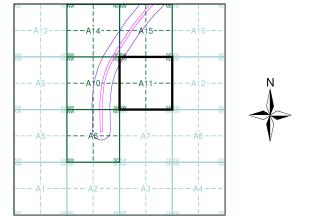
Ordnance Survey Plan Published 1964 - 1965 Source map scale - 1:1,250

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 A11



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

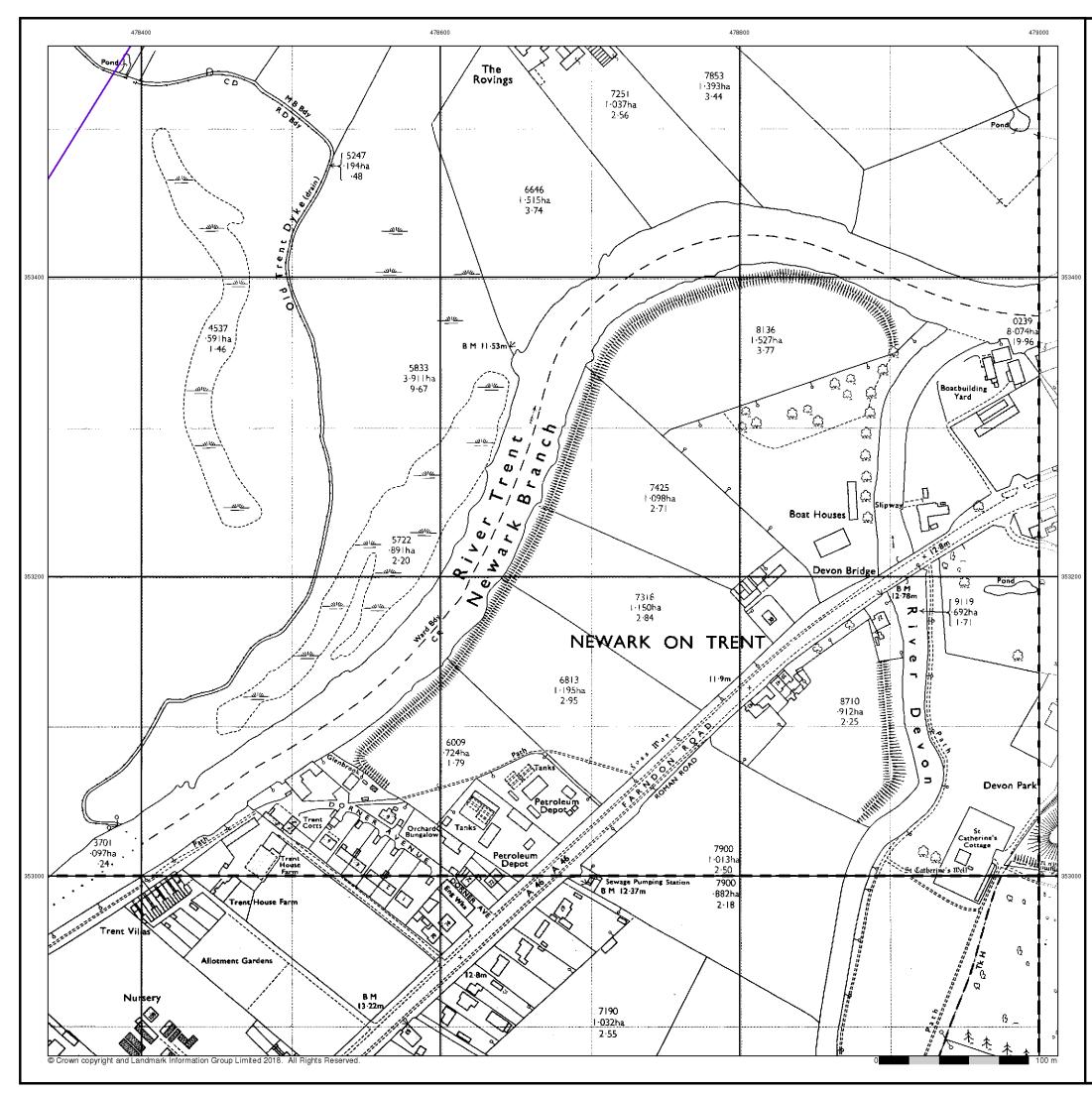
172582399_1_1 5162675 sub no 255 А 21.45 100

Site Details

A46, Newark, NG24 2PG



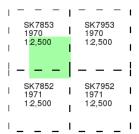
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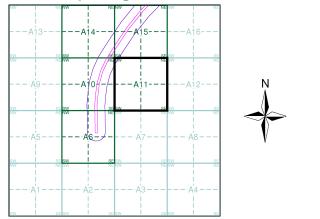
Ordnance Survey Plan Published 1970 - 1971 Source map scale - 1:2,500

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 A11



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100



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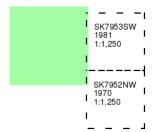
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353000				1 K. V
	and Landmark Information Group Limited 2018. All Rights Reserved.		0 100	0 0 0 v

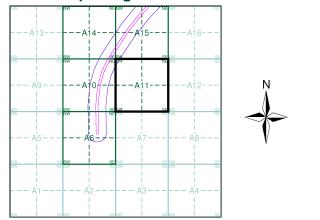
Ordnance Survey Plan Published 1970 - 1981 Source map scale - 1:1,250

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 A11



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100

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Supply of Unpublished Survey Information

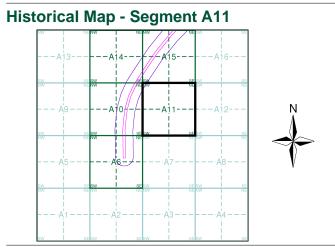
Published 1974

Source map scale - 1:1,250

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)





Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100

Site Details A46, Newark, NG24 2PG



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A Landmark Information Group Service v50.0 09-Jul-2018 Page 8 of 19

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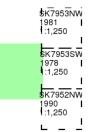
Additional SIMs

Published 1978 - 1990

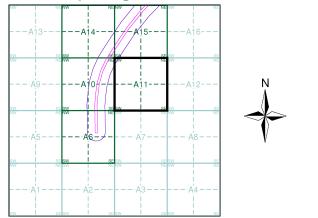
Source map scale - 1:1,250

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 A11



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100



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© Crown copyright and L	Landmark Information Group Limited 2018. All Rights Reserved.		0 1	100 m

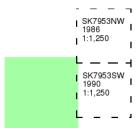
Additional SIMs

Published 1986 - 1990

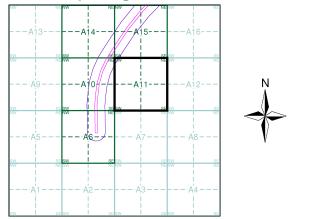
Source map scale - 1:1,250

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 A11



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

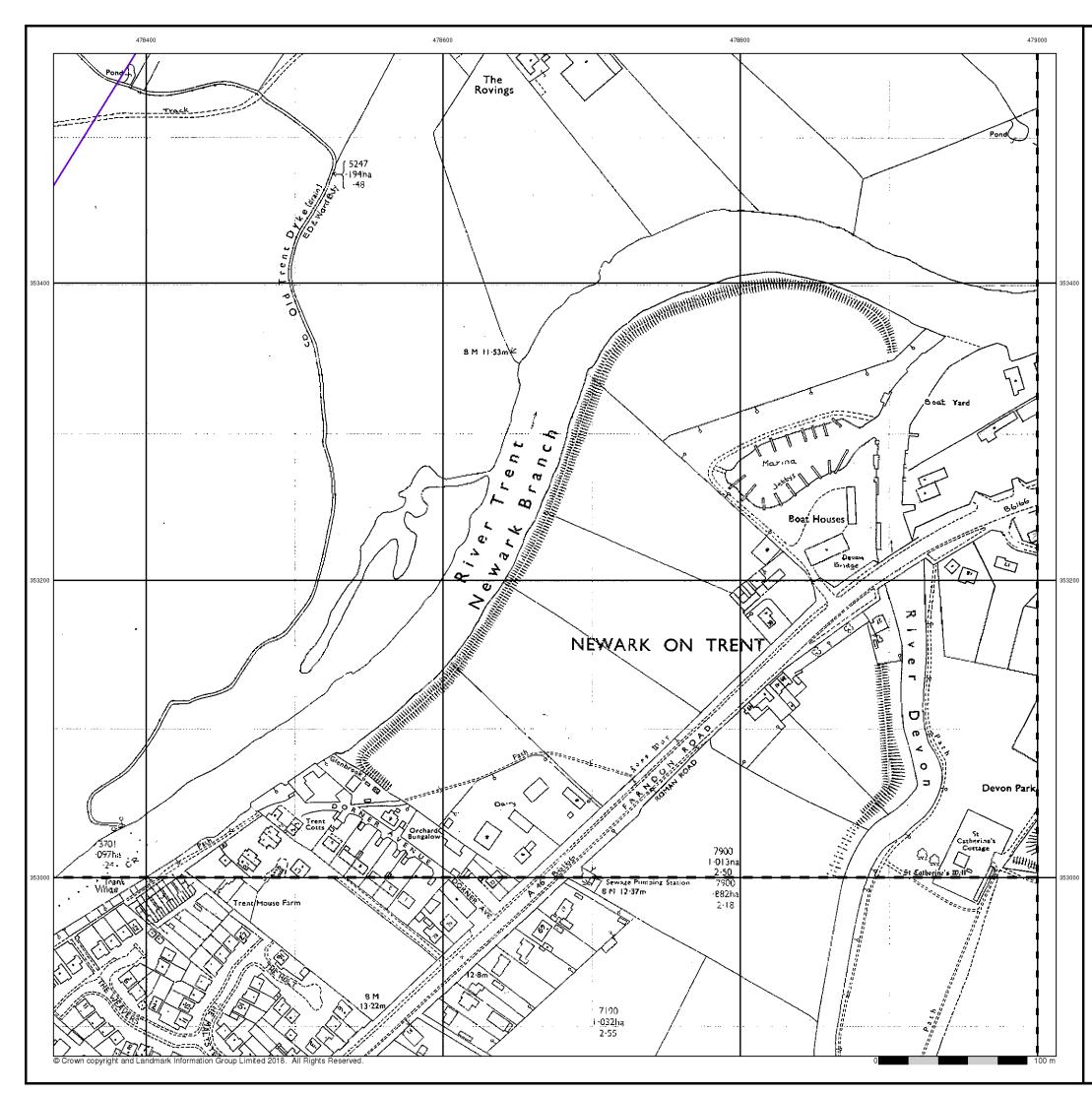
172582399_1_1 5162675 sub no 255 А 21.45 100



A46, Newark, NG24 2PG



Tel: Fax: Web:



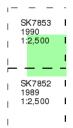
Additional SIMs

Published 1989 - 1990

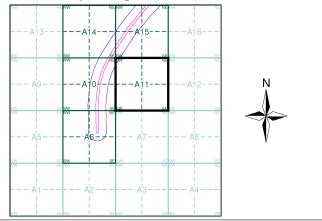
Source map scale - 1:2,500

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 A11



Order Details

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

172582399_1_1 А 21.45 100



A46, Newark, NG24 2PG



Tel: Fax: Web:

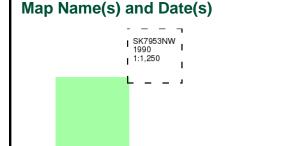
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Additional SIMs

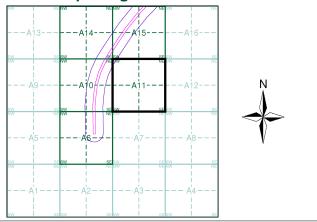
Published 1990

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.



Historical Map - Segment A11



Order Details

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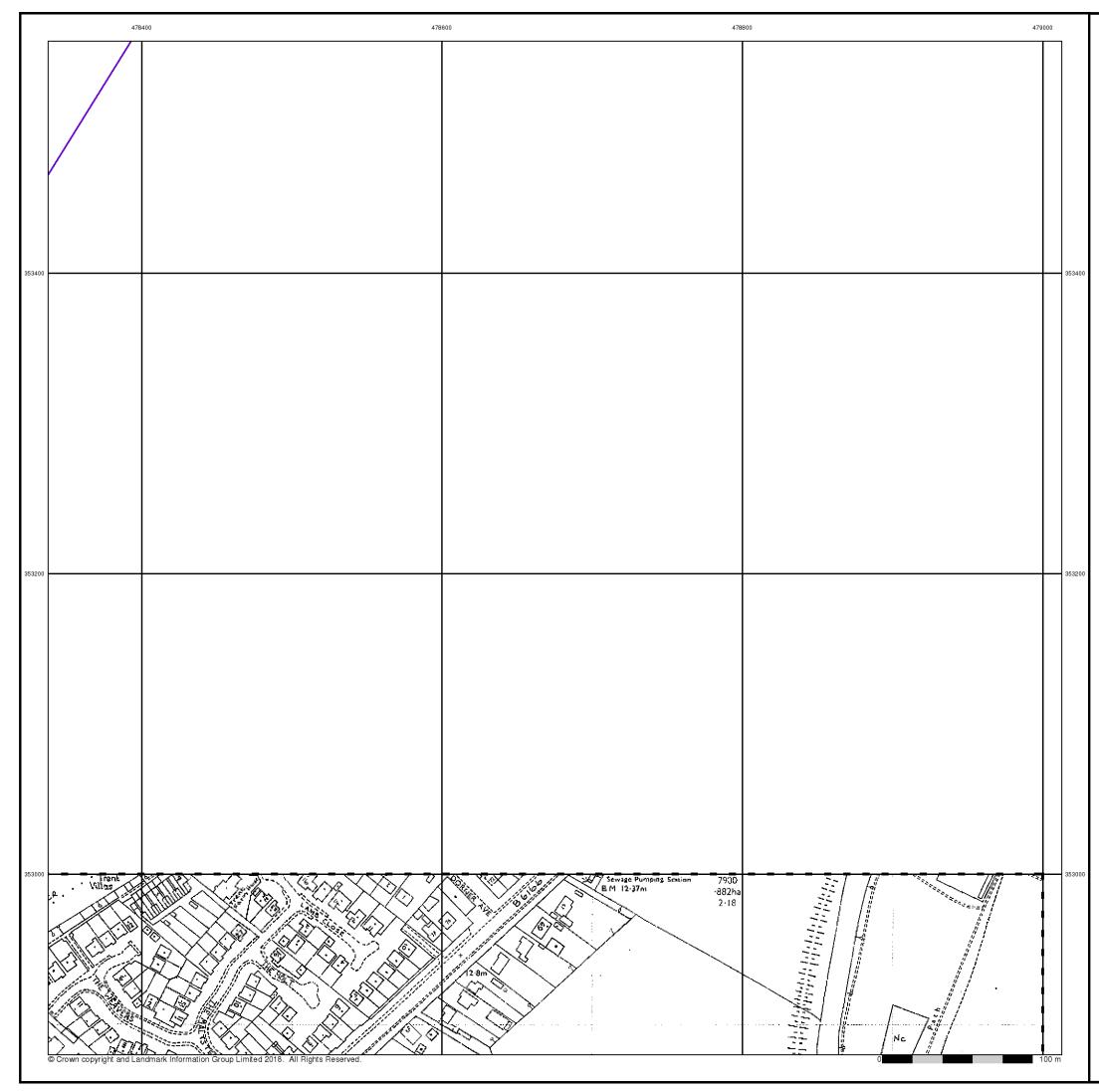
172582399_1_1 5162675 sub no 255 А 21.45 100



A46, Newark, NG24 2PG



Tel: Fax: Web:



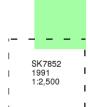
Additional SIMs

Published 1991

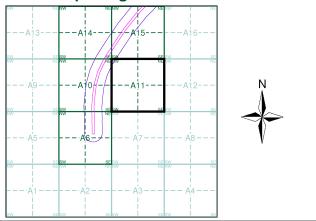
Source map scale - 1:2,500

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 A11



Order Details

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

172582399_1_1 А 21.45 100



A46, Newark, NG24 2PG



Tel: Fax: Web:

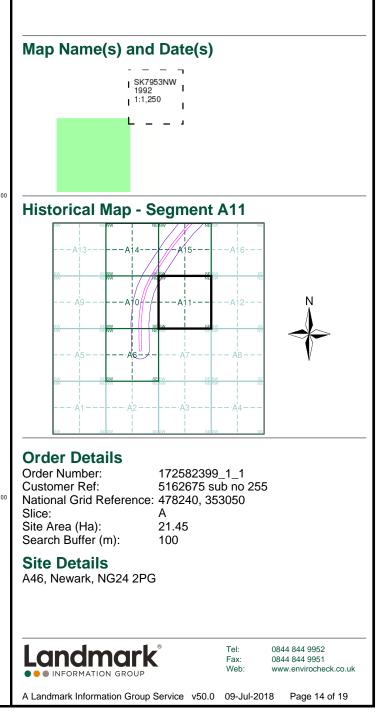
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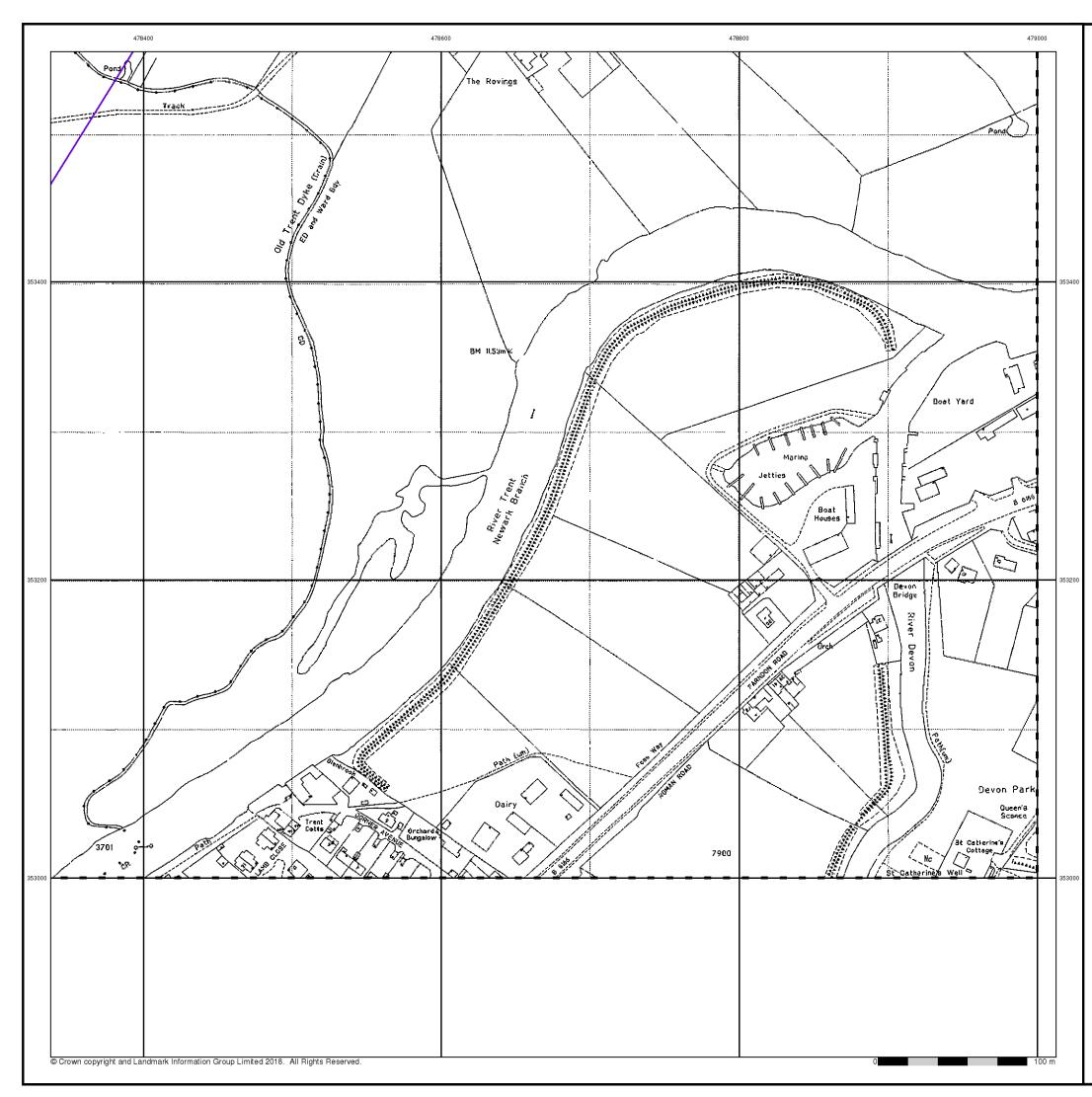
Additional SIMs

Published 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.



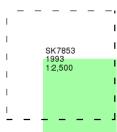


Large-Scale National Grid Data Published 1993

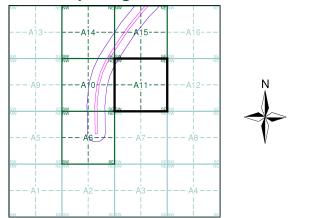
Source map scale - 1:2,500

'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 A11



Order Details

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

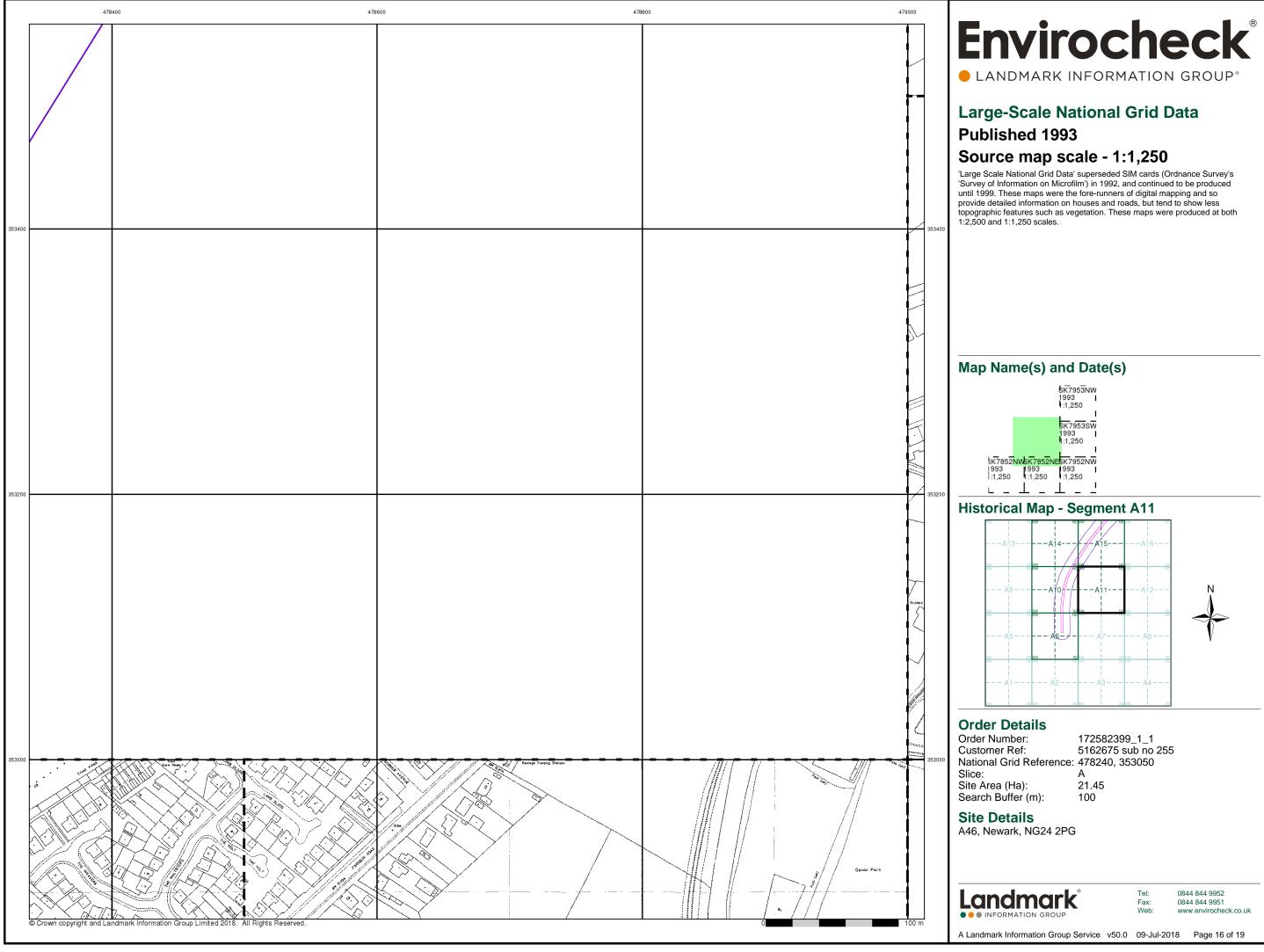
172582399_1_1 А 21.45 100

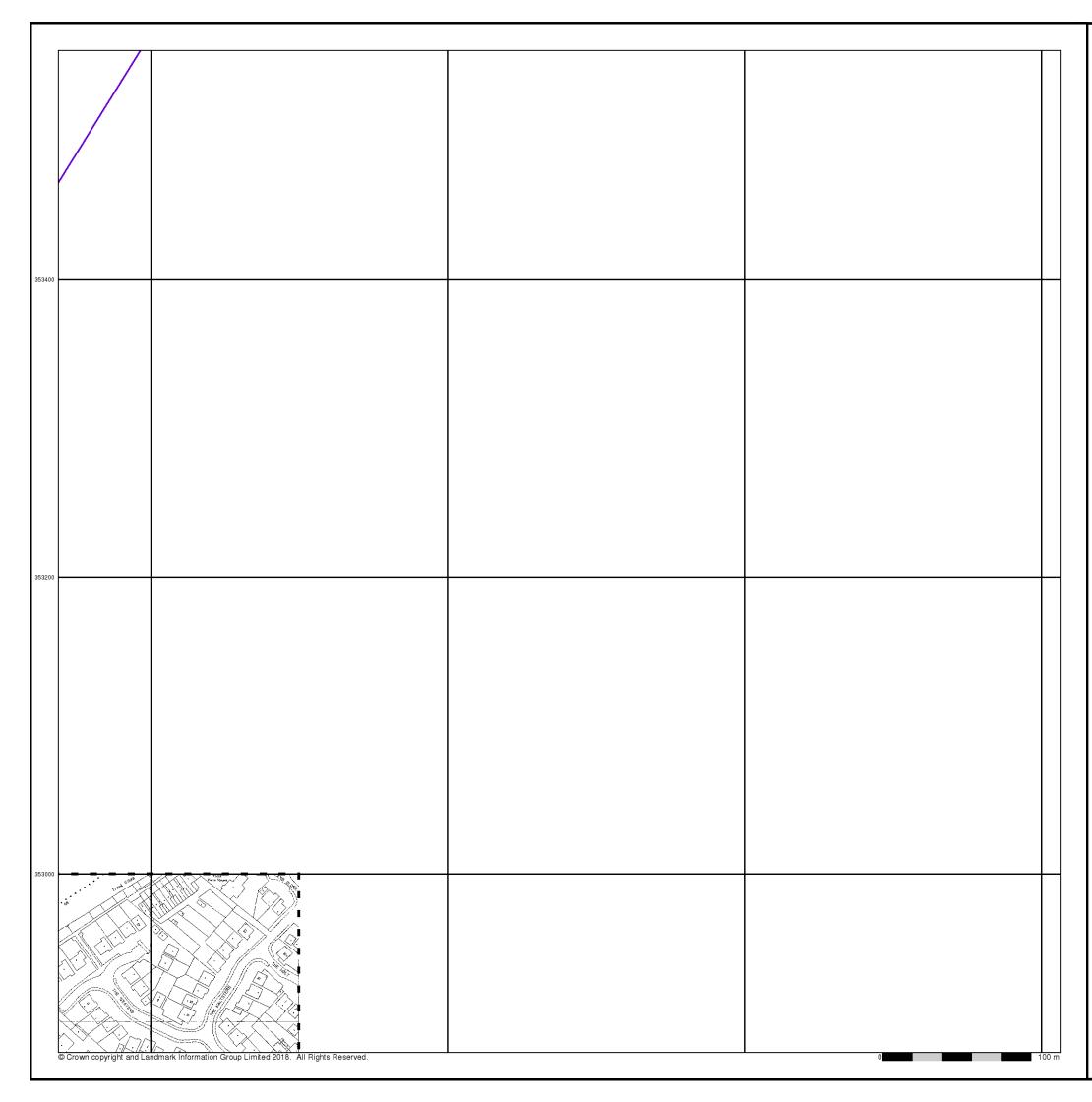






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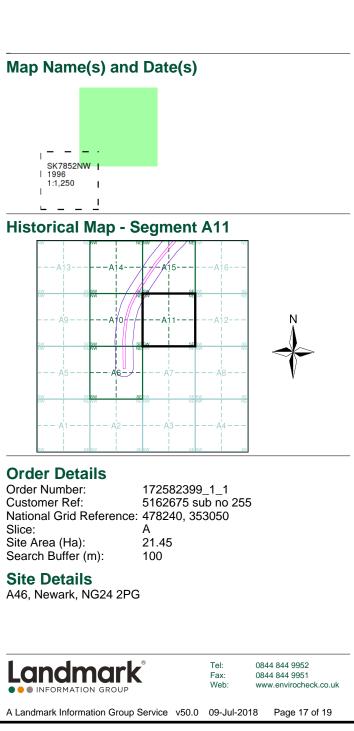


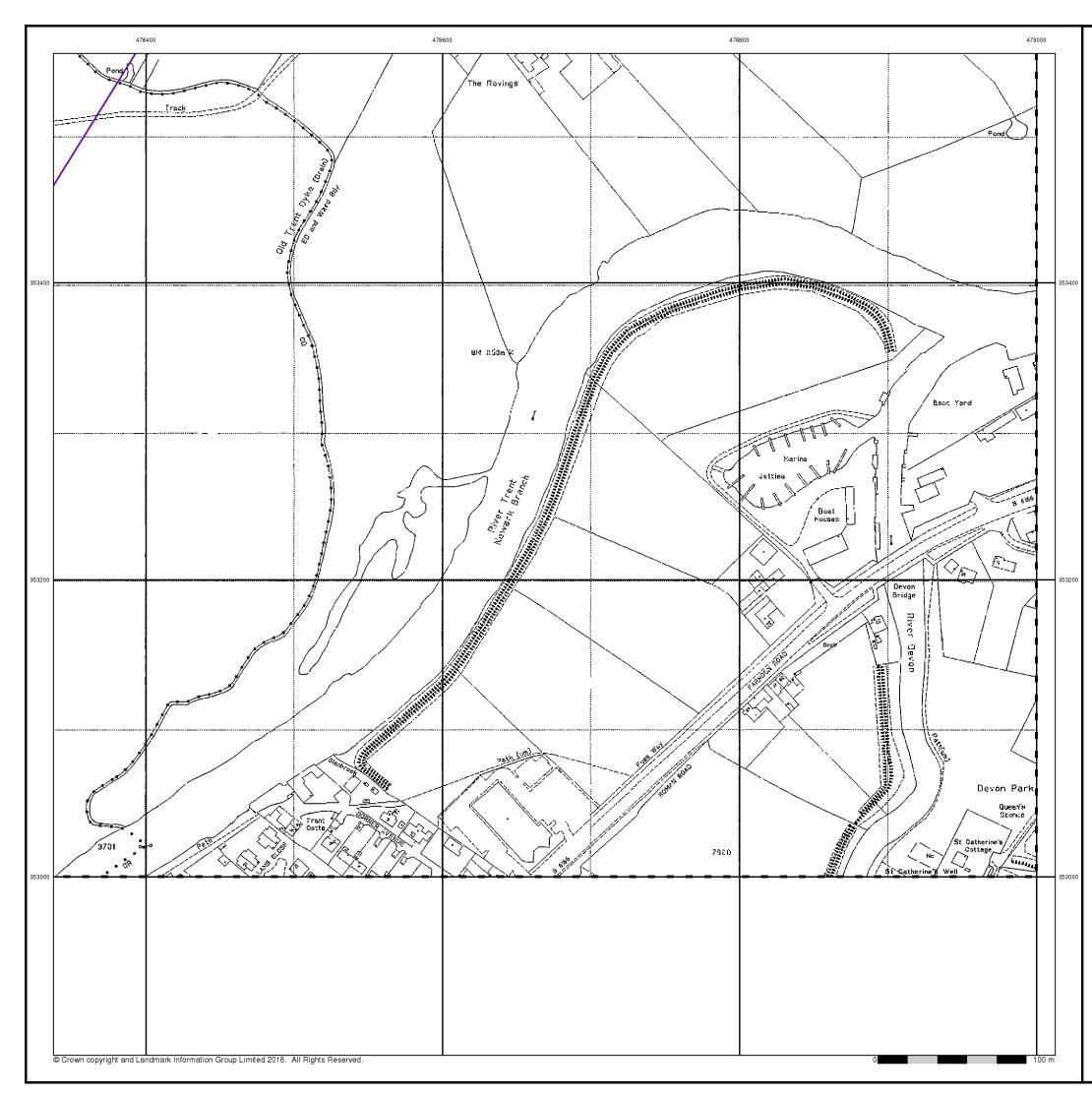


Large-Scale National Grid Data Published 1996

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.



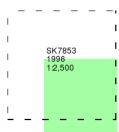


Large-Scale National Grid Data Published 1996

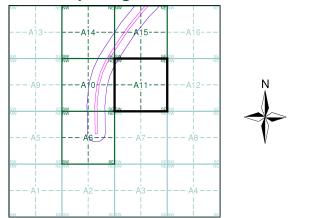
Source map scale - 1:2,500

'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 A11



Order Details

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

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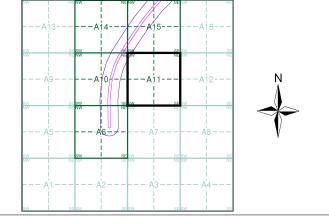
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Historical Aerial Photography Published 1999

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





Order Details

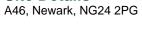
 Order Number:
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 Customer Ref:
 5162675 sub no 255

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

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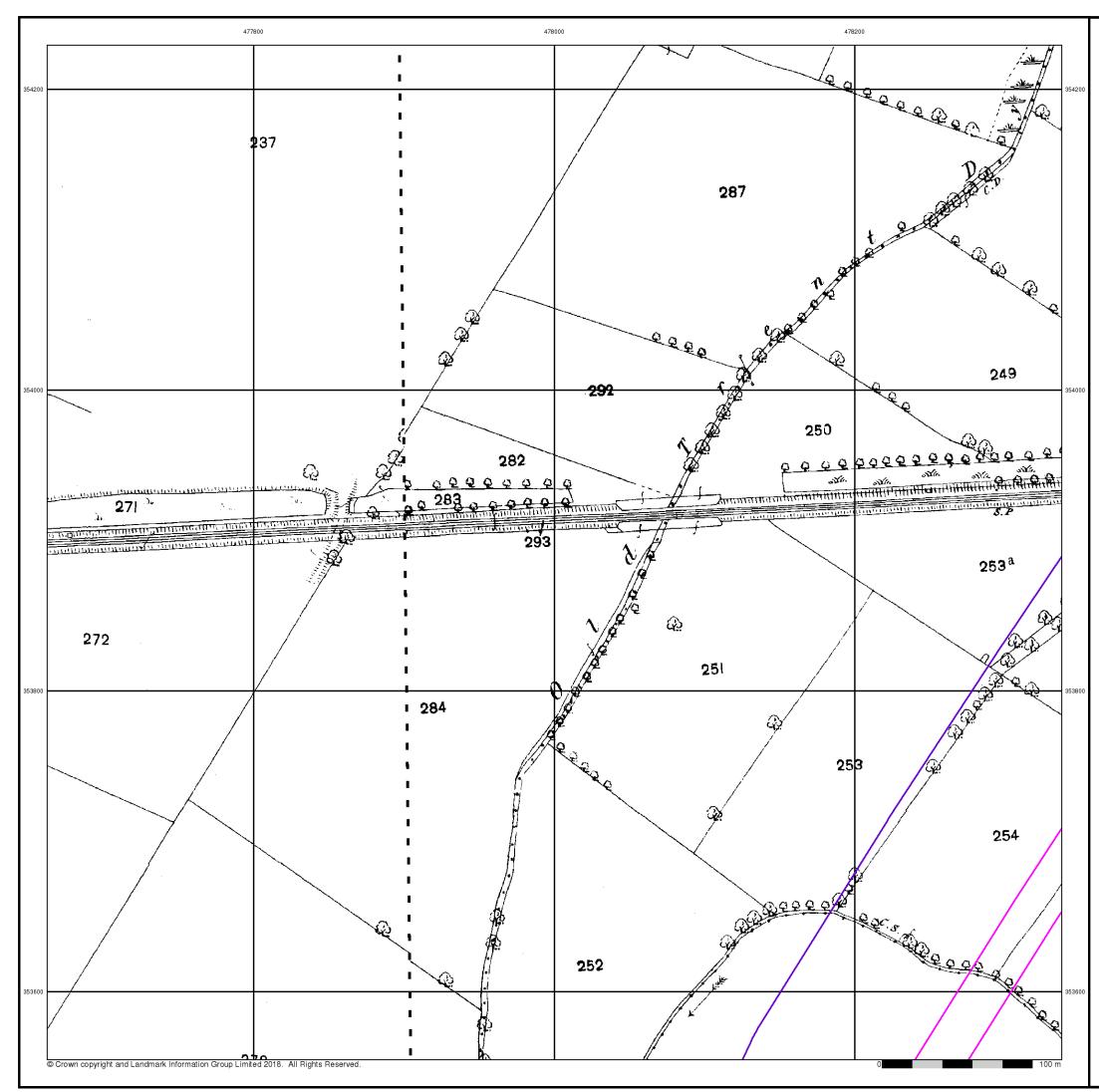


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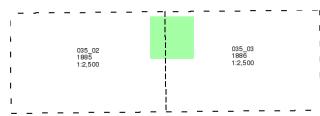
Nottinghamshire

Published 1885 - 1886

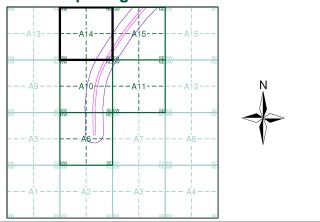
Source map scale - 1:2,500

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 A14



Order Details

Order Number:
 Customer Ref:
 5162675 sub no 255

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

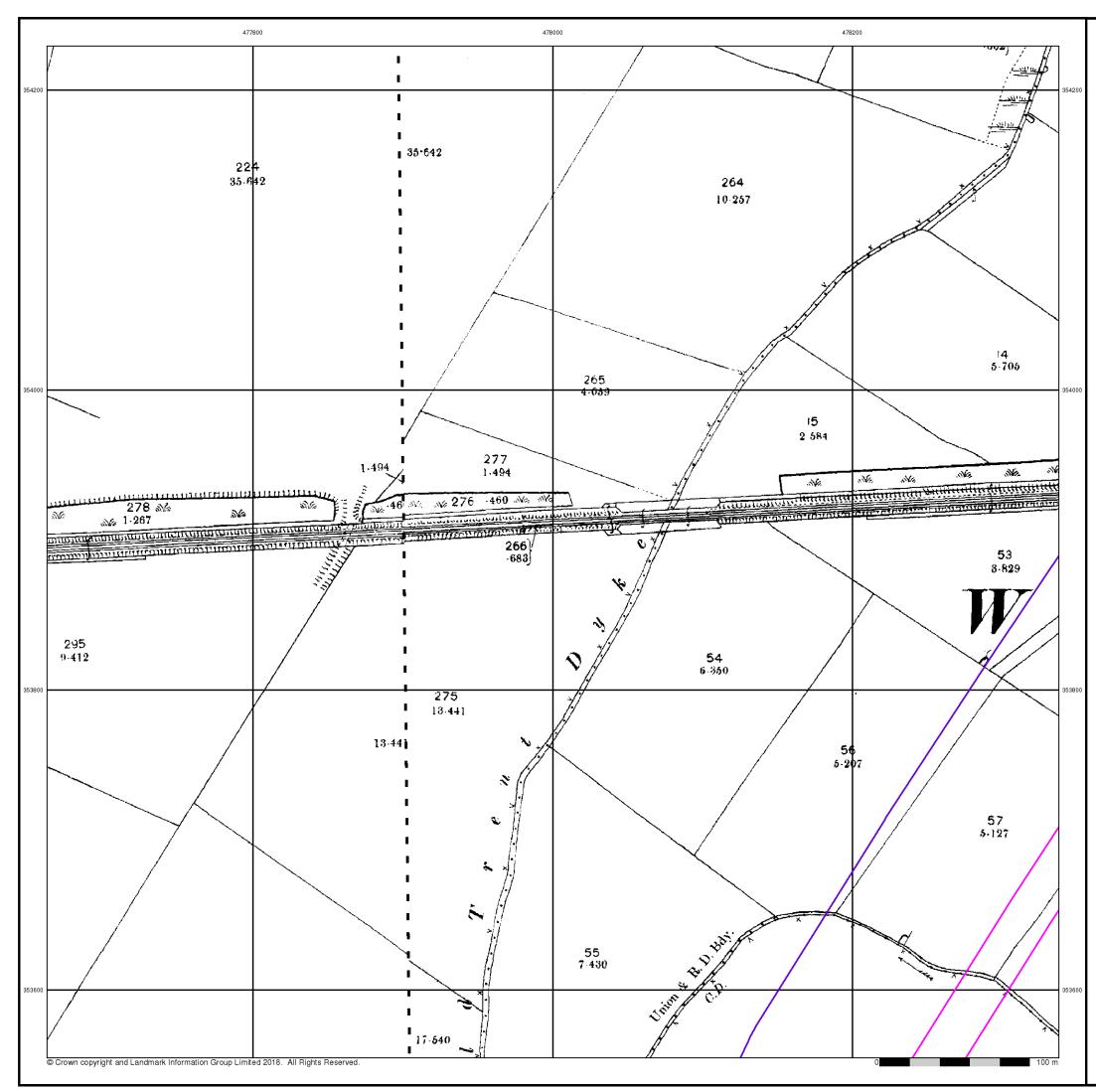
172582399_1_1 А 21.45 100

Tel: Fax: Web:



A46, Newark, NG24 2PG





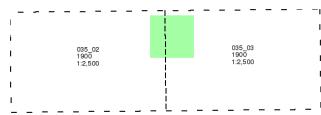
Nottinghamshire

Published 1900

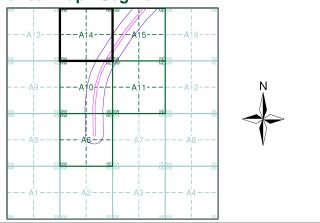
Source map scale - 1:2,500

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 A14



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100

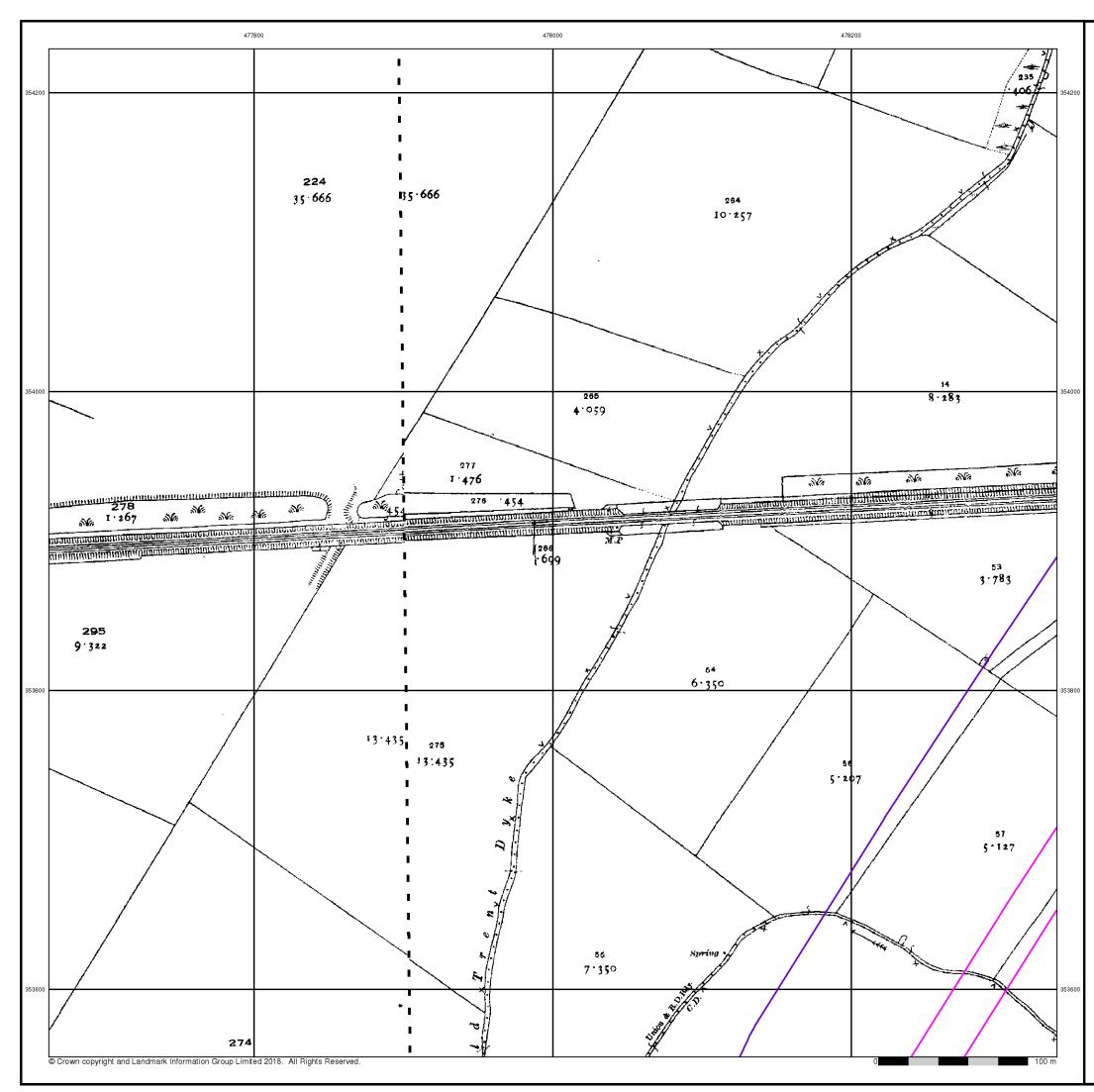
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A46, Newark, NG24 2PG







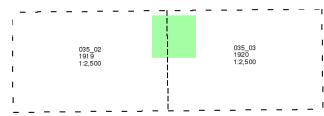
Nottinghamshire

Published 1919 - 1920

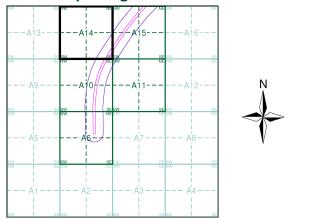
Source map scale - 1:2,500

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 A14



Order Details

Order Number:
 Customer Ref:
 5162675 sub no 255

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

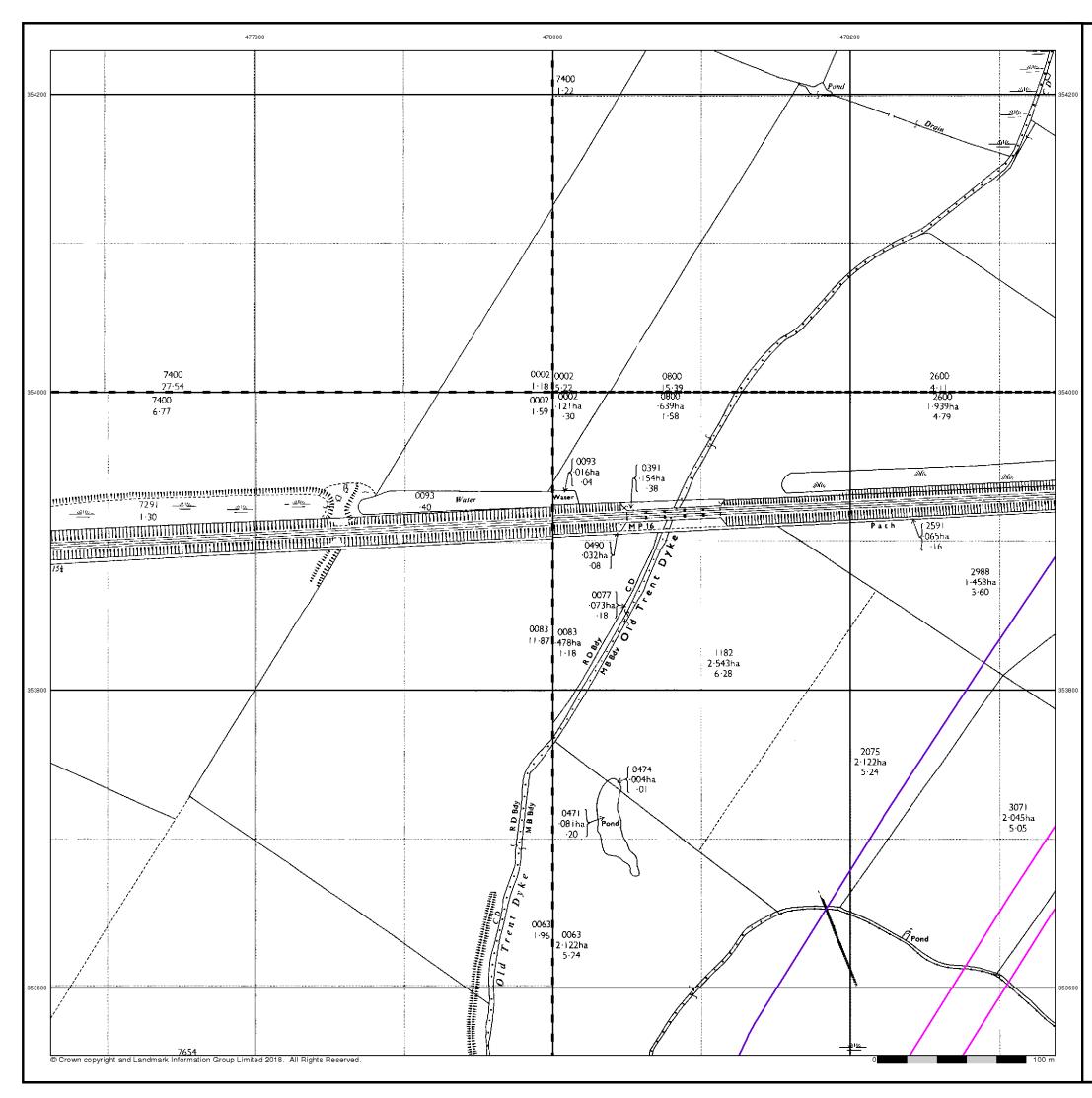
172582399_1_1 А 21.45 100

Tel: Fax: Web:

Site Details

A46, Newark, NG24 2PG

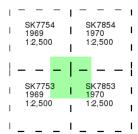




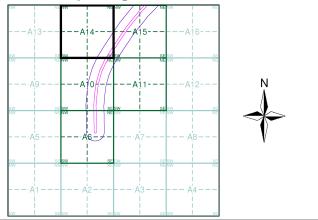
Ordnance Survey Plan Published 1969 - 1970 Source map scale - 1:2,500

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 A14



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

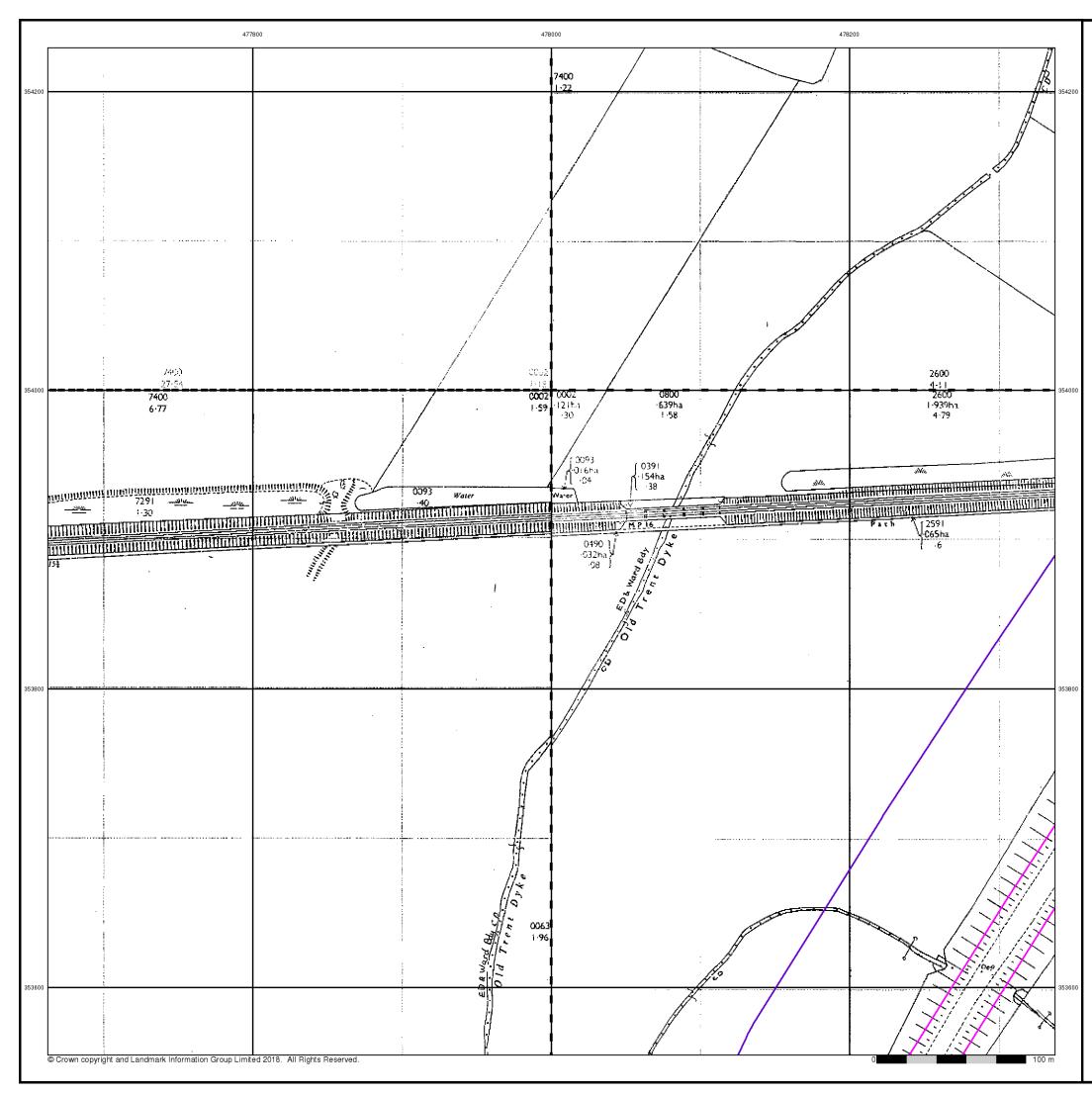
172582399_1_1 5162675 sub no 255 А 21.45 100

Tel: Fax: Web:



A46, Newark, NG24 2PG





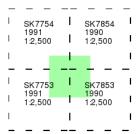
Additional SIMs

Published 1990 - 1991

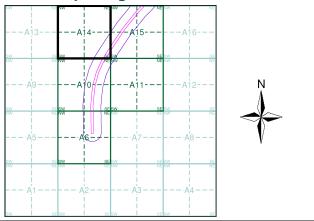
Source map scale - 1:2,500

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 A14



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

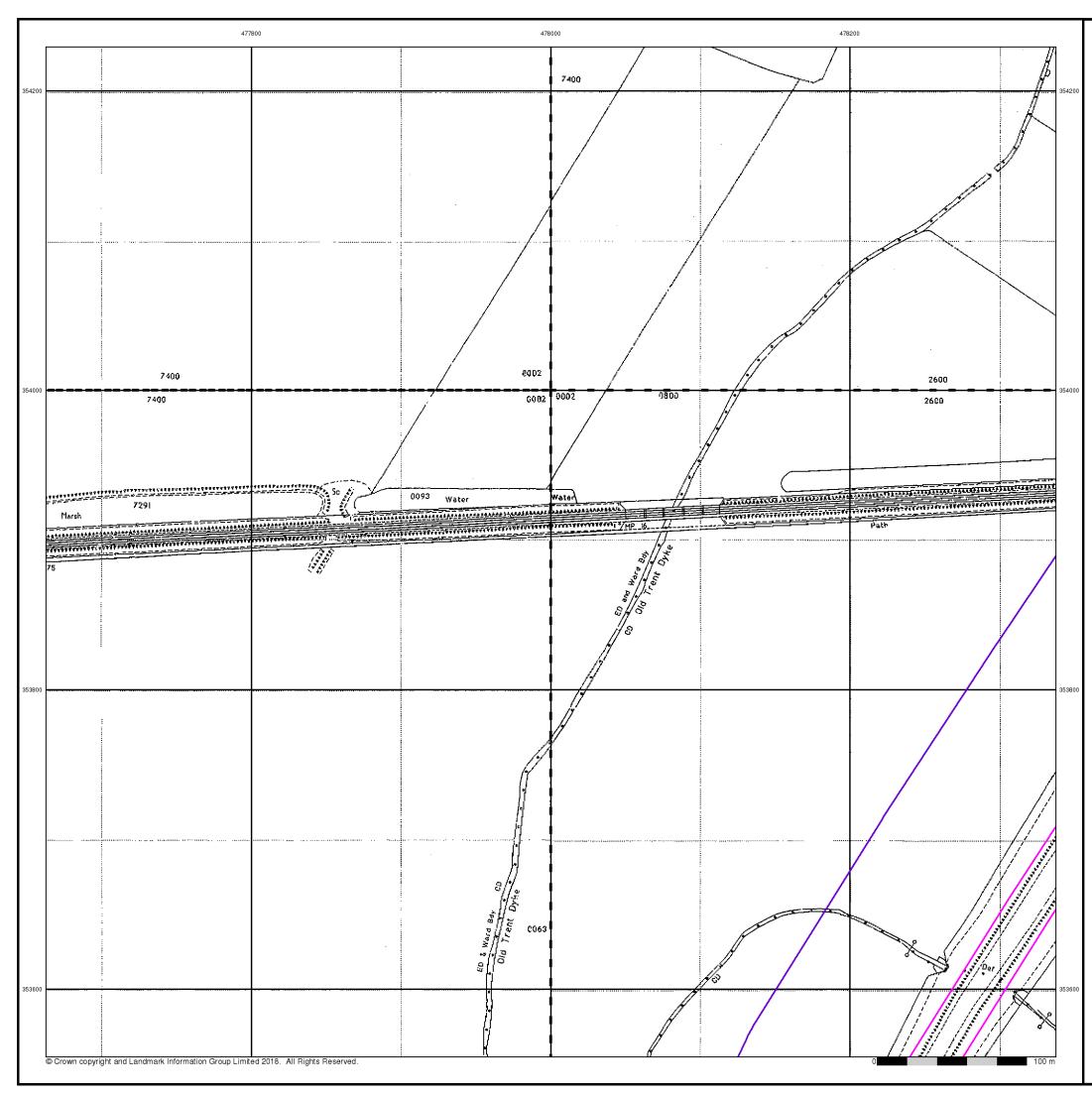
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Large-Scale National Grid Data Published 1993

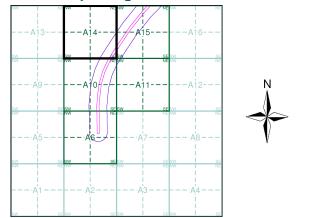
Source map scale - 1:2,500

'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)

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 	SK7 199 1:2,	3	 	SK7 1993 1:2,5	3	-
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Historical Map - Segment A14



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

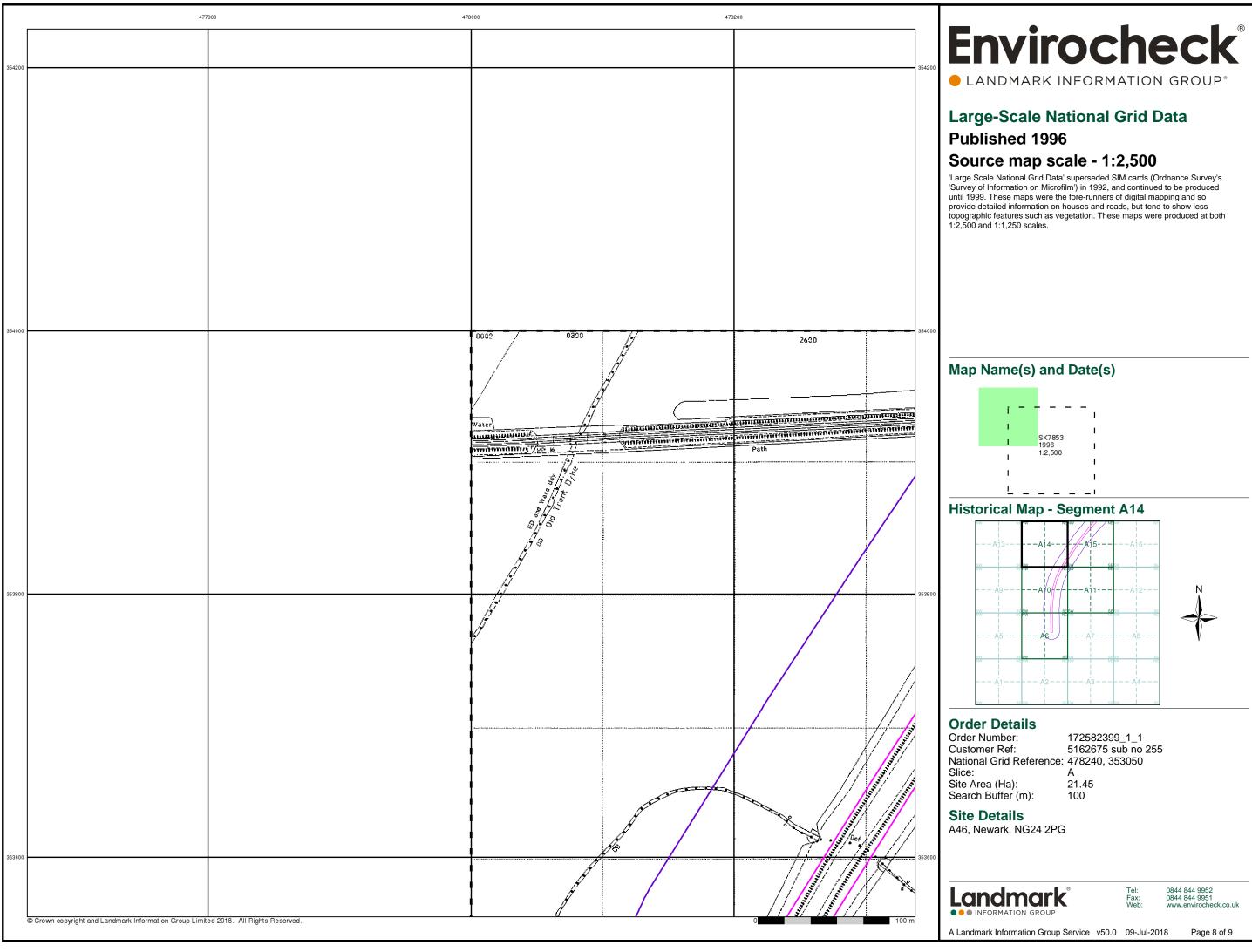
172582399_1_1 5162675 sub no 255 А 21.45 100

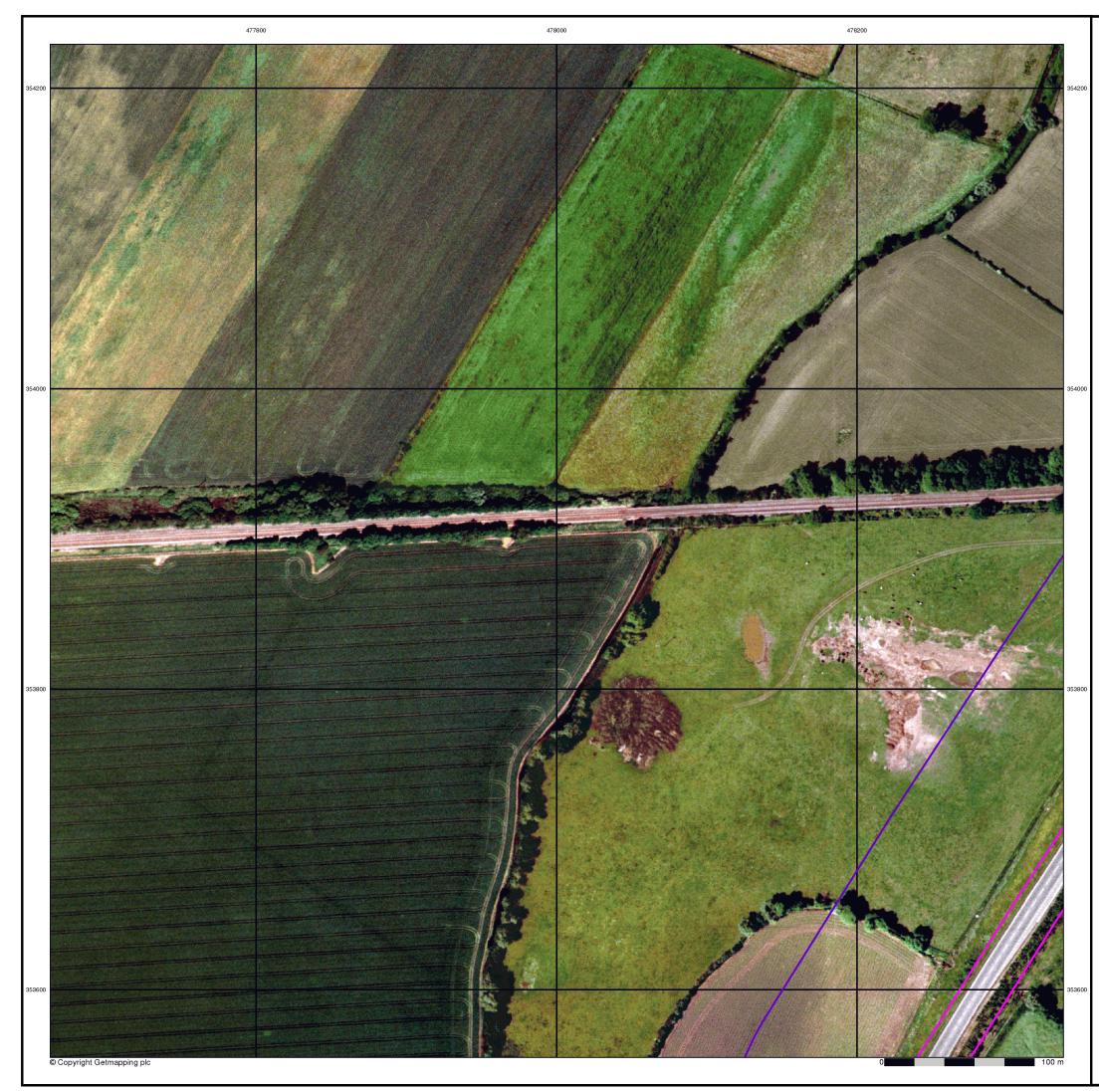
Tel: Fax: Web:



A46, Newark, NG24 2PG





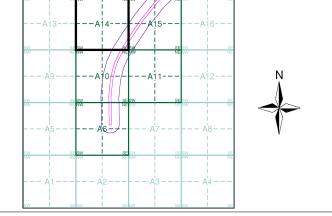


Historical Aerial Photography

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





Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

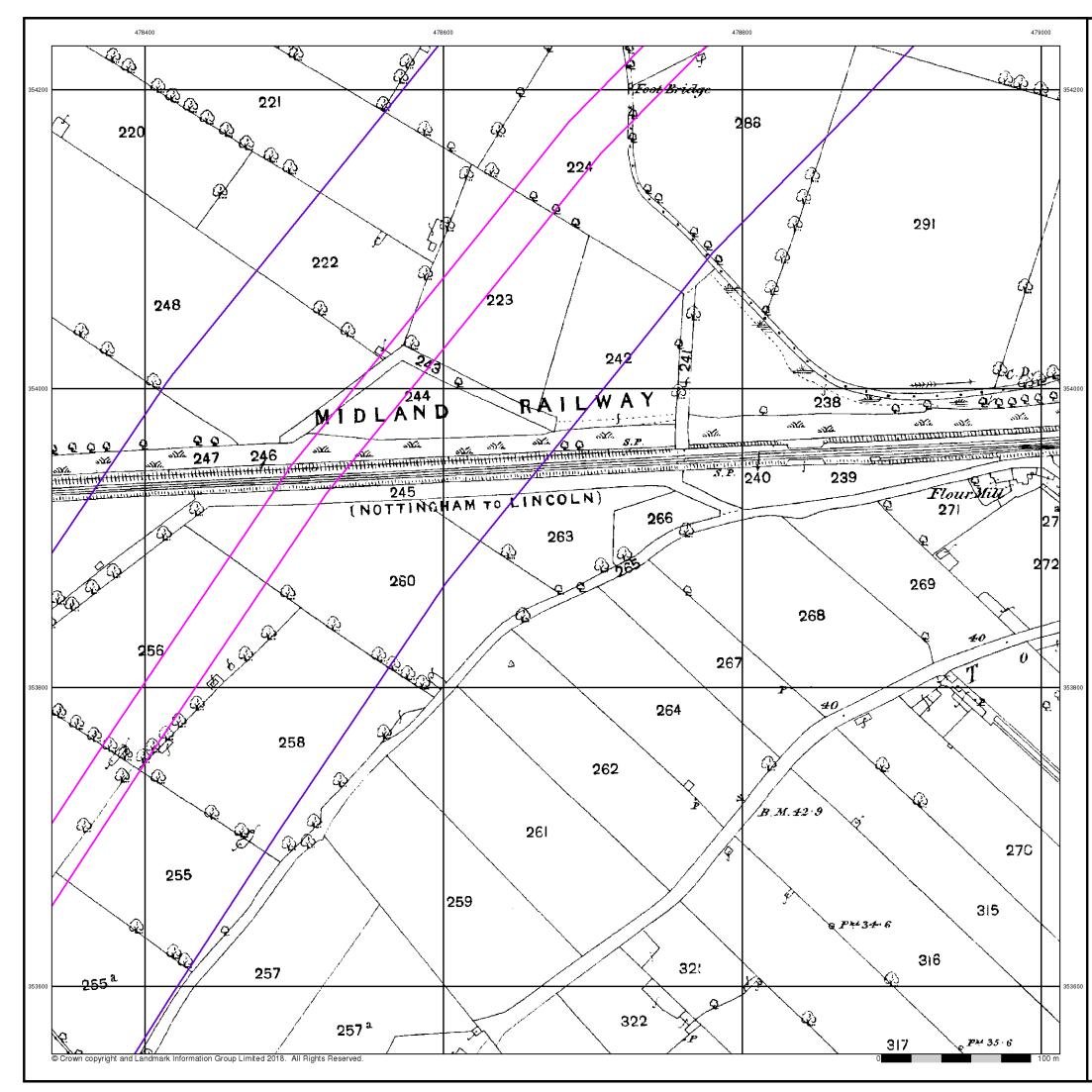
А 21.45 100

Tel: Fax: Web:



A46, Newark, NG24 2PG

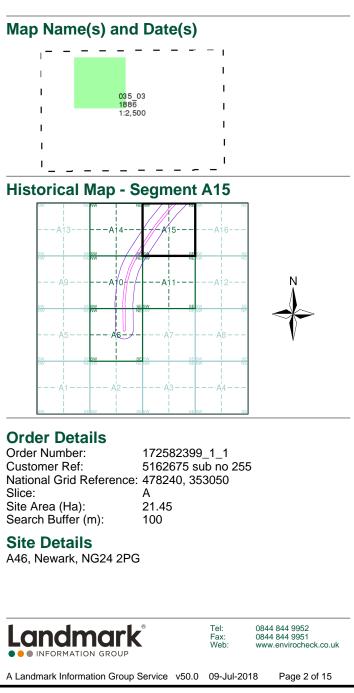


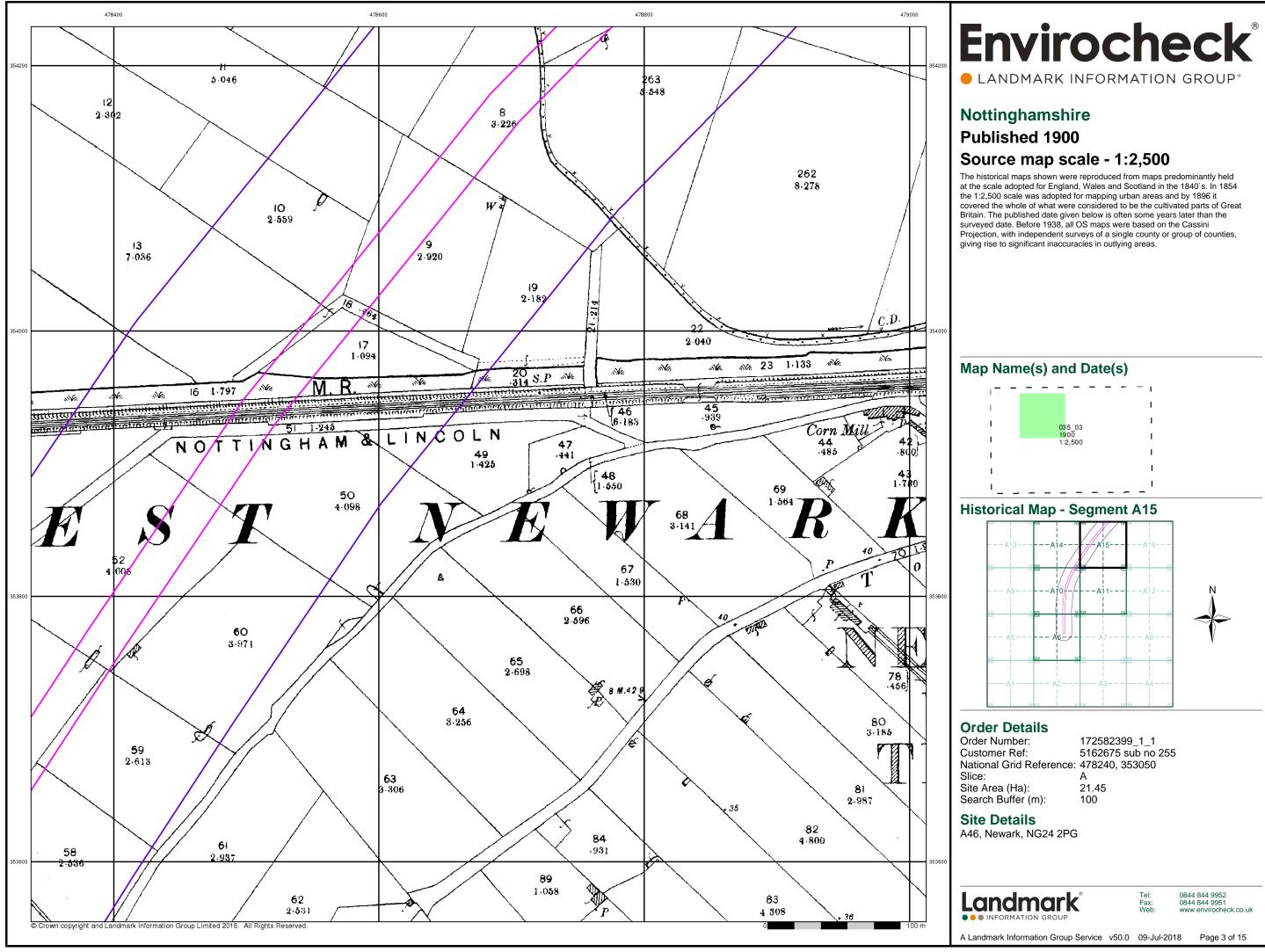


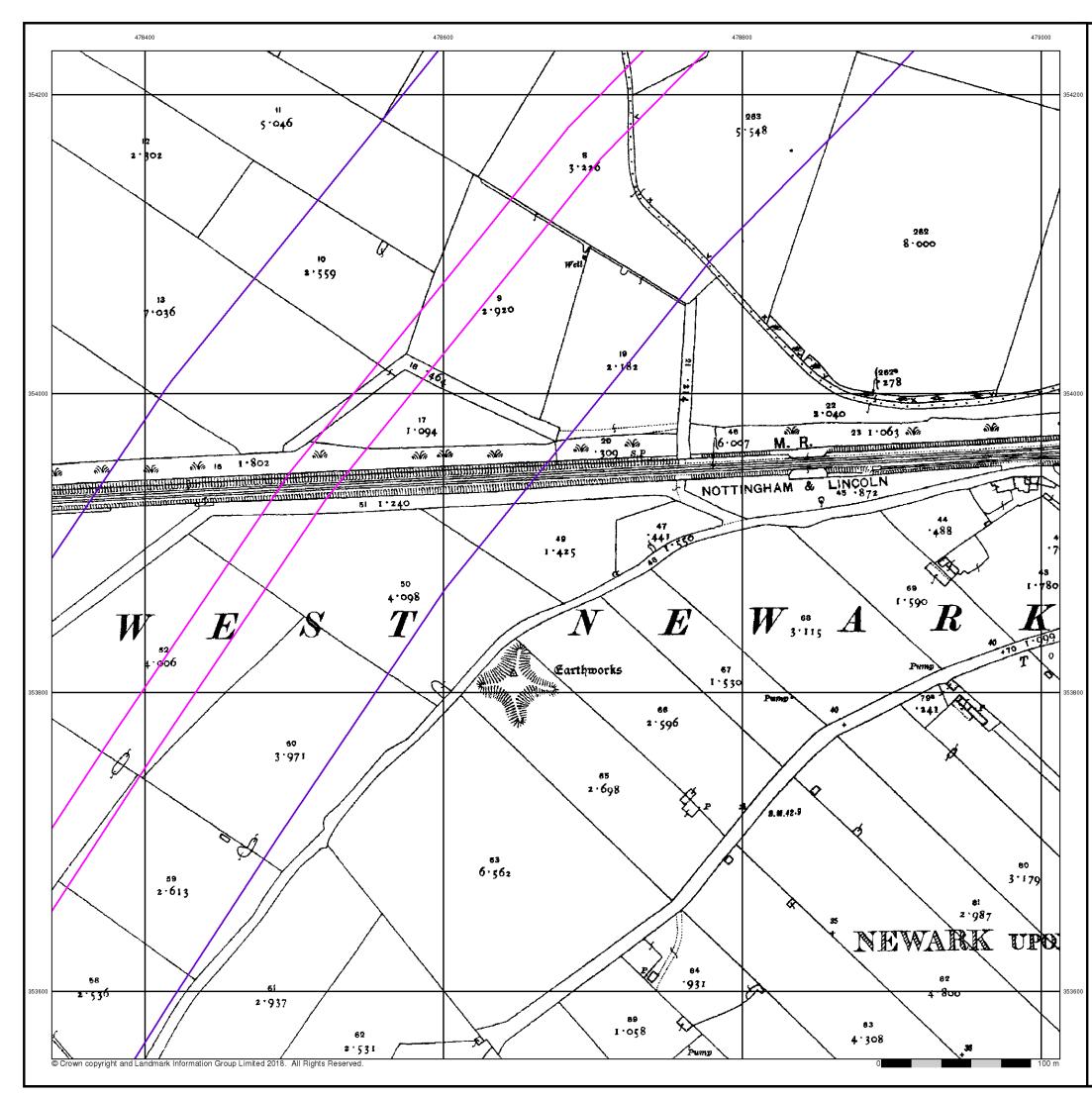
Nottinghamshire

Published 1886

Source map scale - 1:2,500





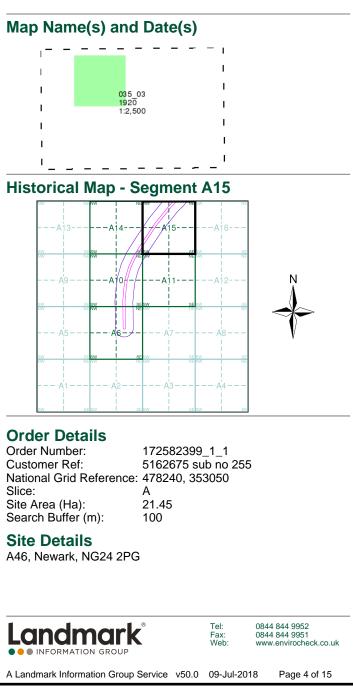


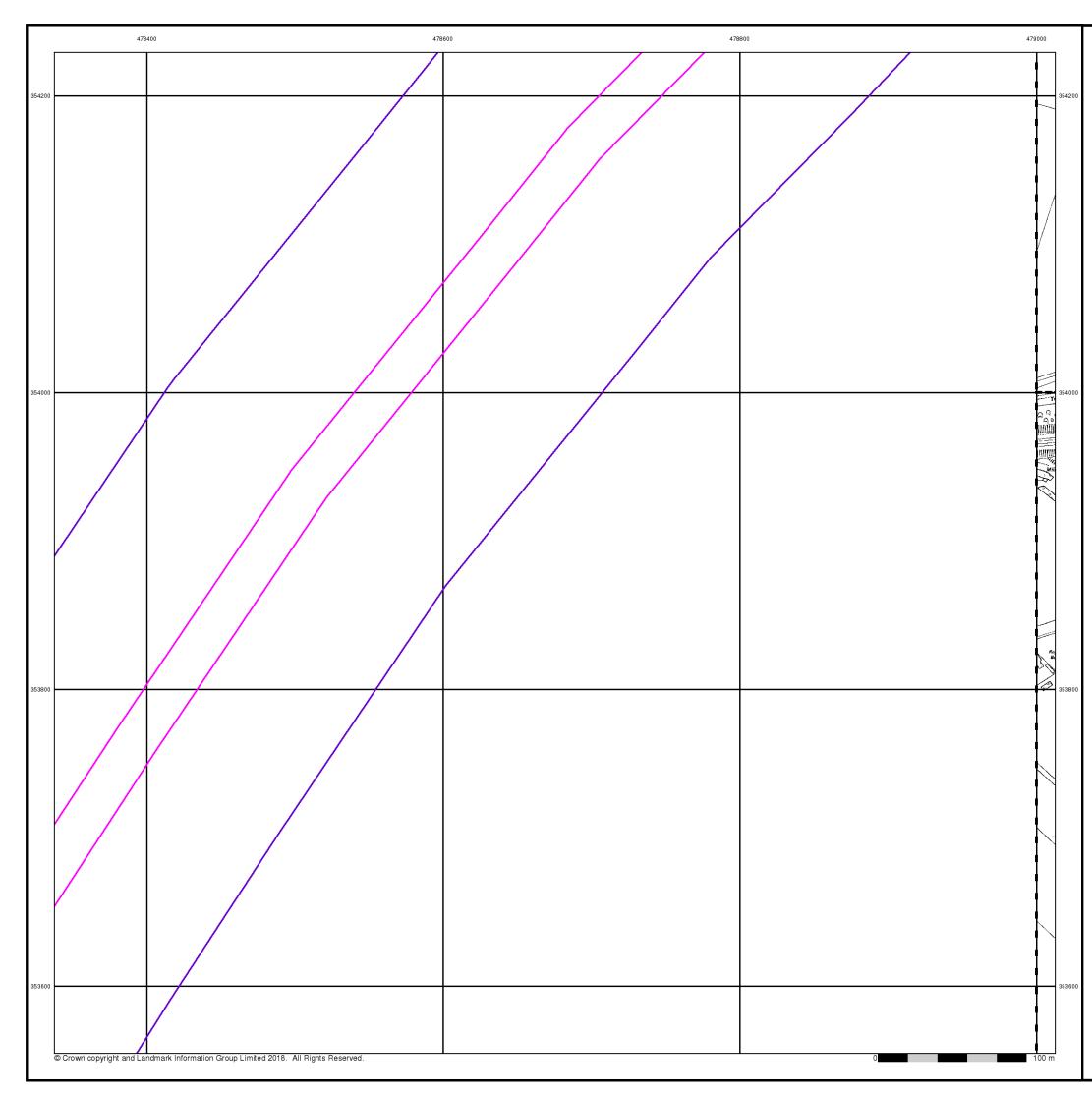
• LANDMARK INFORMATION GROUP*

Nottinghamshire

Published 1920

Source map scale - 1:2,500





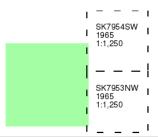
Ordnance Survey Plan

Published 1965

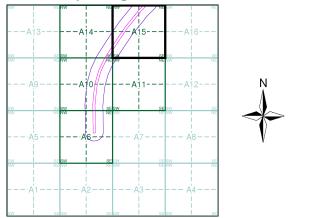
Source map scale - 1:1,250

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 A15



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

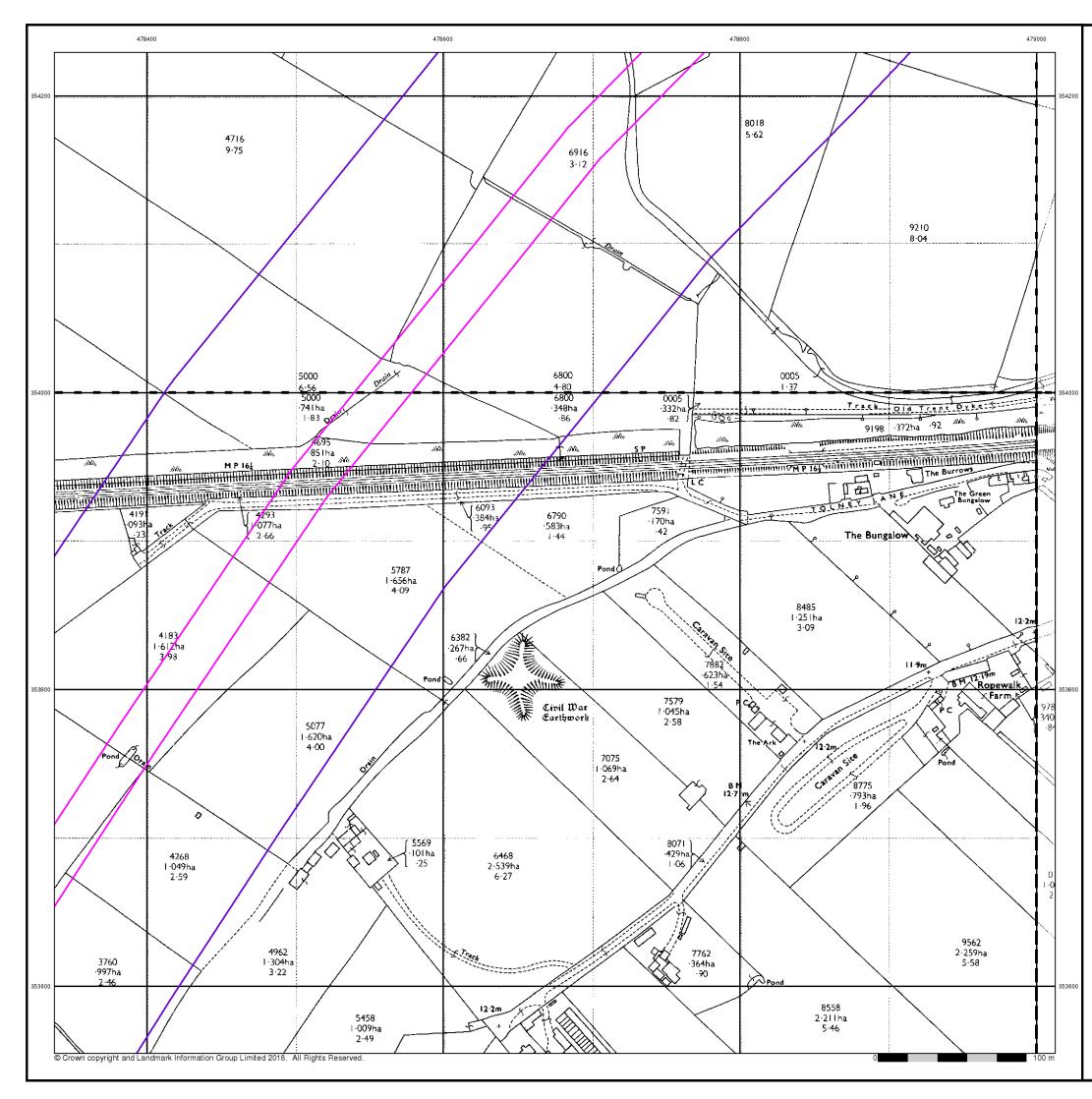
172582399_1_1 5162675 sub no 255 А 21.45 100

Tel: Fax: Web:



A46, Newark, NG24 2PG





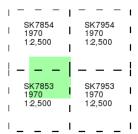
Ordnance Survey Plan

Published 1970

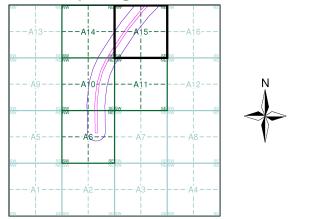
Source map scale - 1:2,500

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 A15



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100

Tel: Fax: Web:

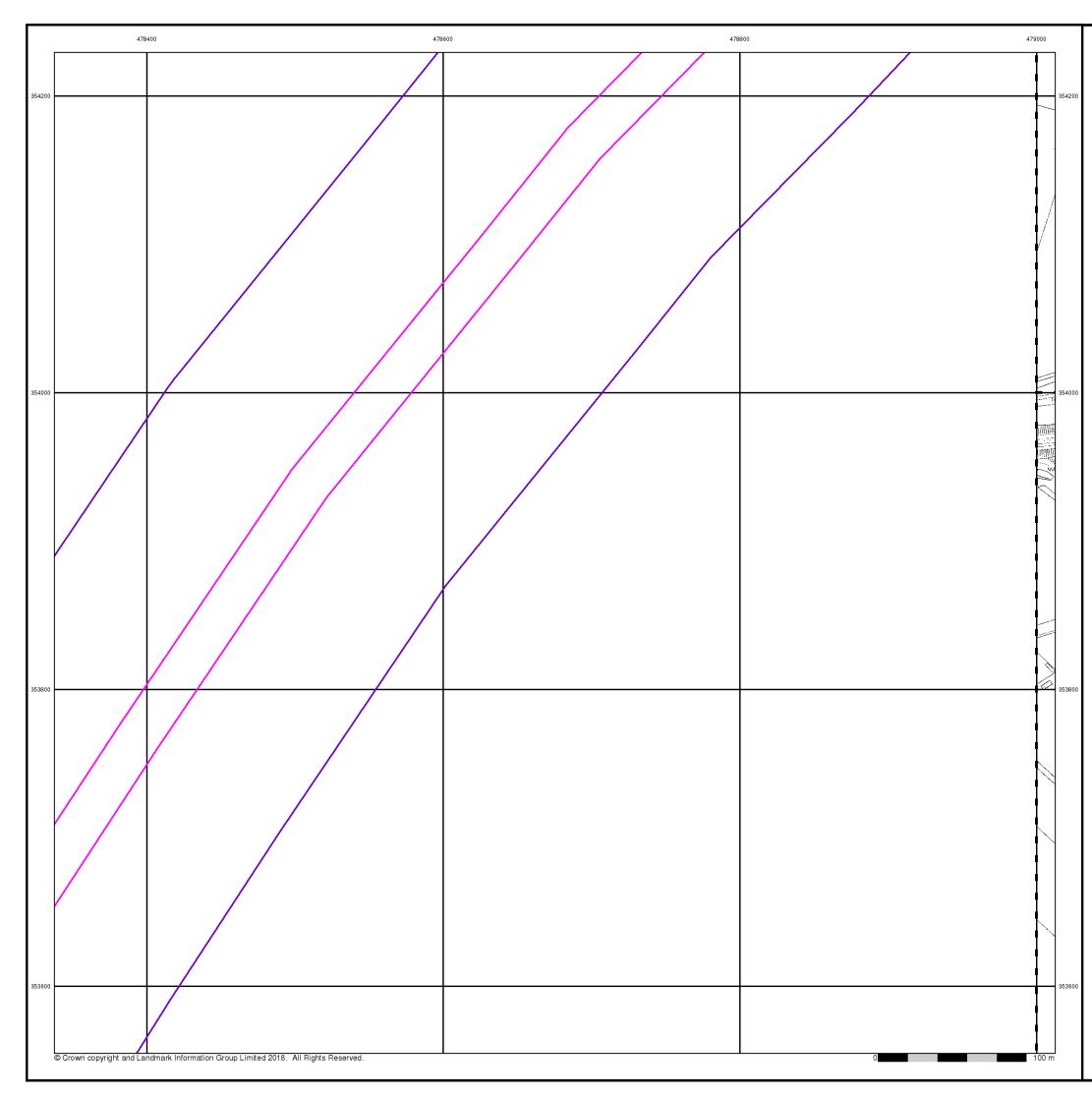


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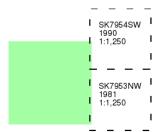
Additional SIMs

Published 1981 - 1990

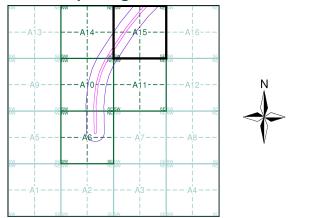
Source map scale - 1:1,250

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 A15



Order Details

Order Number:
 Customer Ref:
 5162675 sub no 255

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

172582399_1_1 А 21.45 100

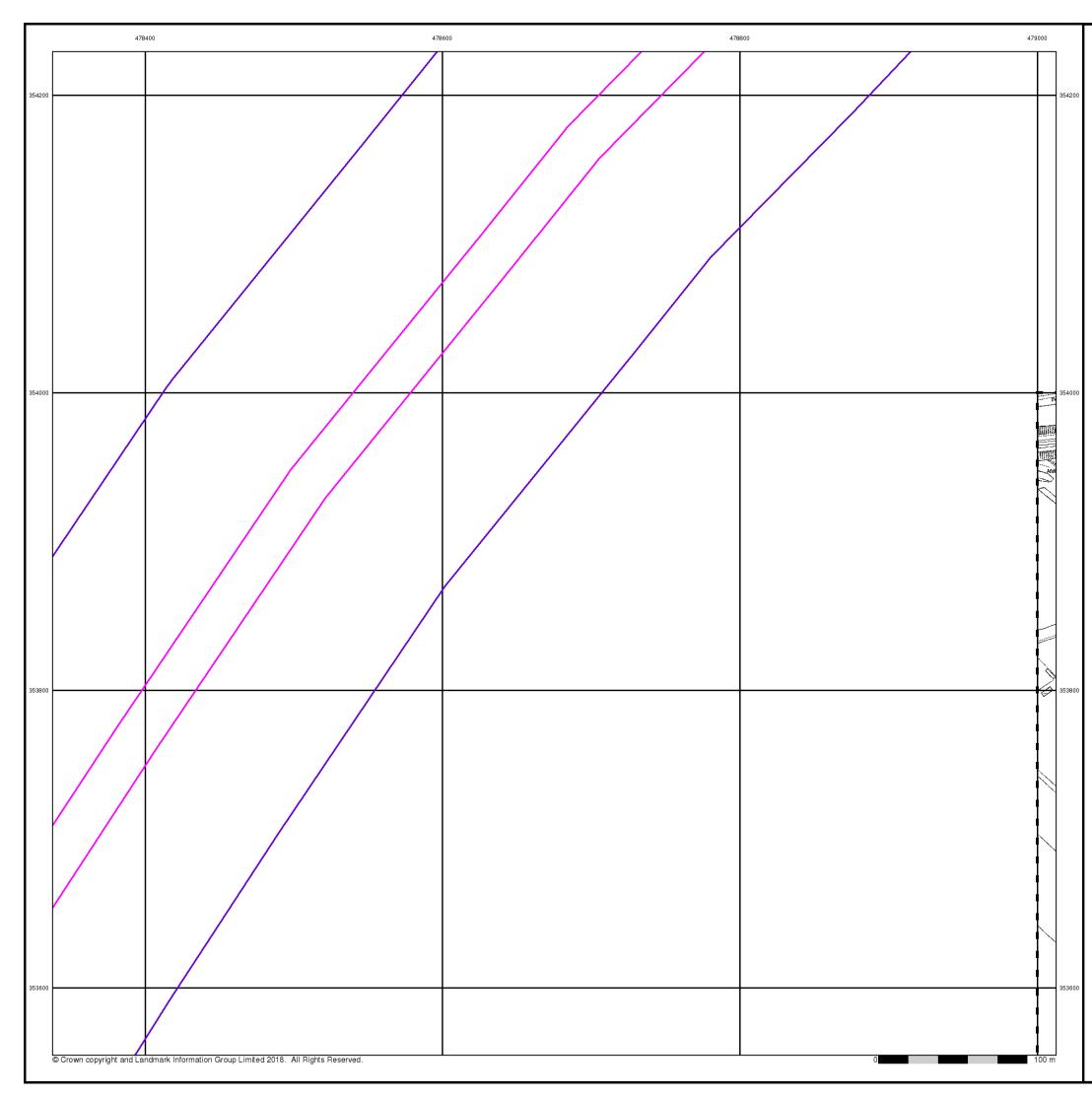
Tel: Fax: Web:



A46, Newark, NG24 2PG







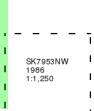
Additional SIMs

Published 1986

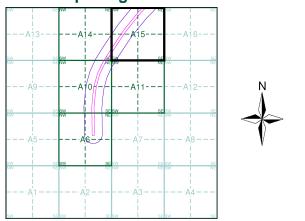
Source map scale - 1:1,250

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 A15



Order Details

Order Number:
 Customer Ref:
 5162675 sub no 255

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

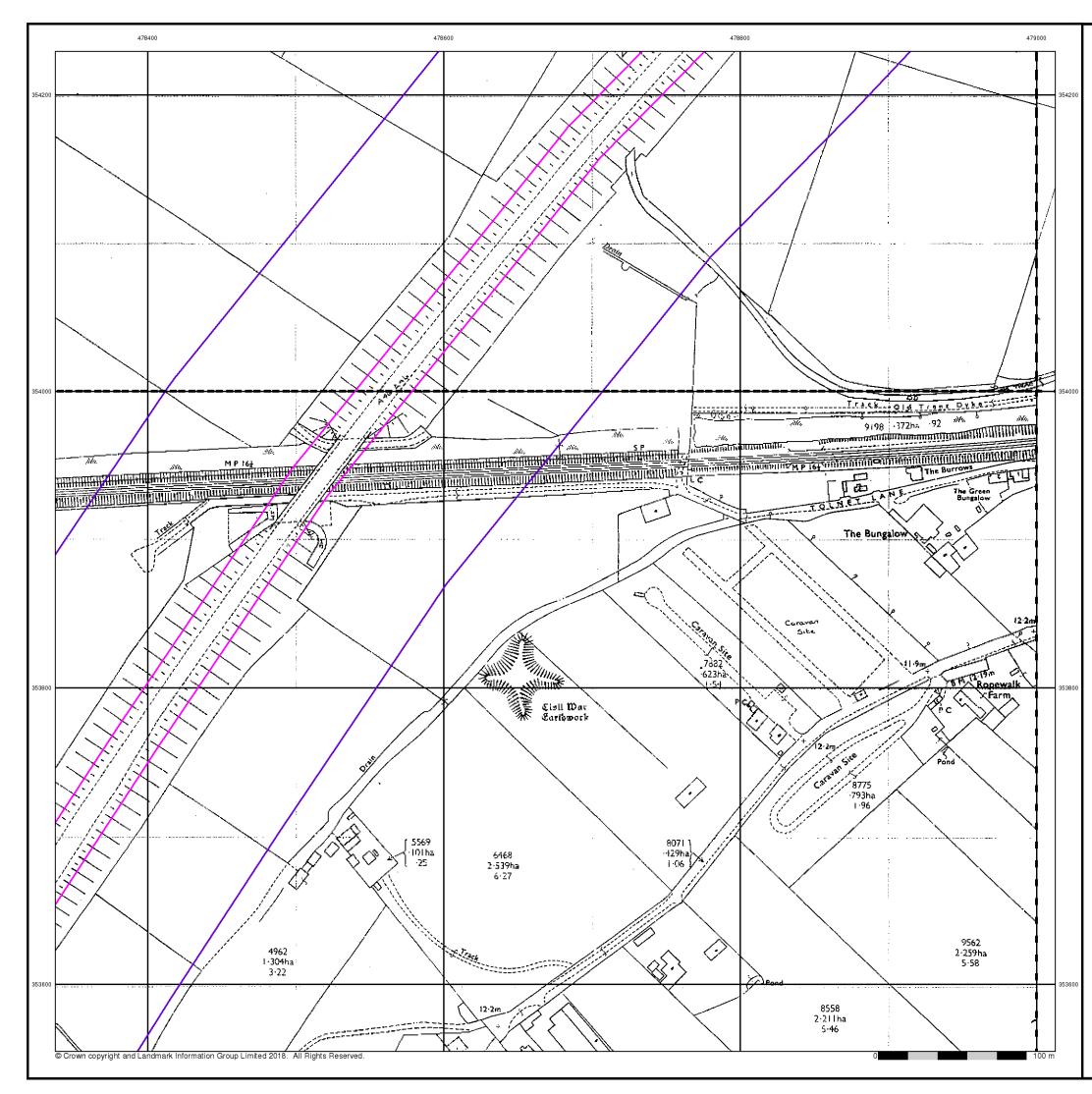
172582399_1_1 А 21.45 100

Tel: Fax: Web:



A46, Newark, NG24 2PG





Additional SIMs

Published 1990

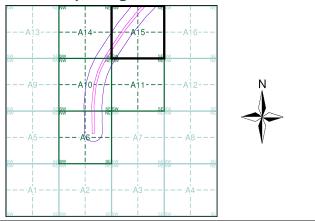
Source map scale - 1:2,500

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)

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1	SK7854	I	SK7		Т
T	1990 1:2,500	Ι	1990 1:2,5		I
1					Т
-			-	—	-
T	SK7853	1			
1	1990 1:2,500	1			
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Historical Map - Segment A15



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

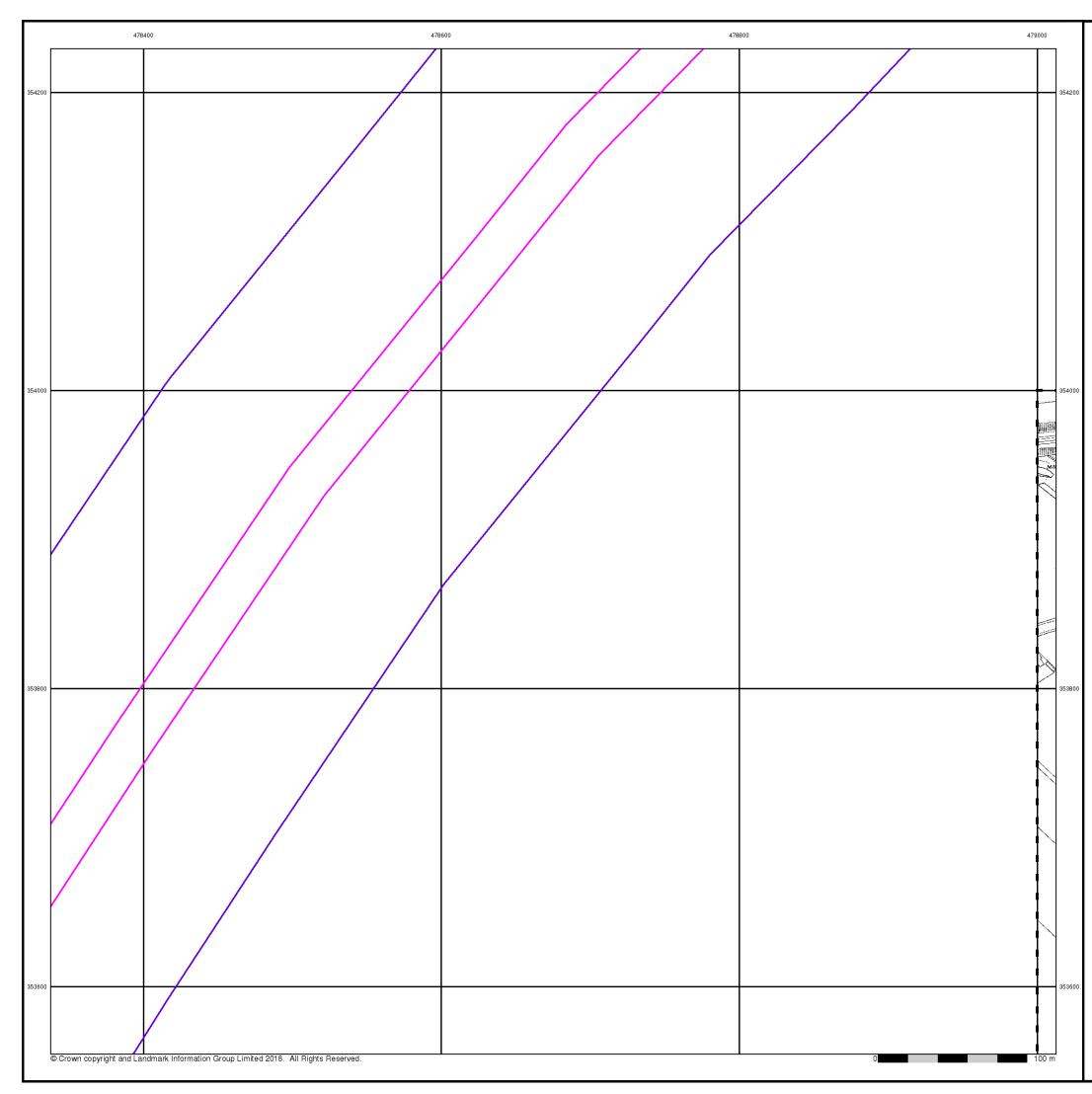
172582399_1_1 5162675 sub no 255 А 21.45 100

Tel: Fax: Web:



A46, Newark, NG24 2PG





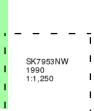
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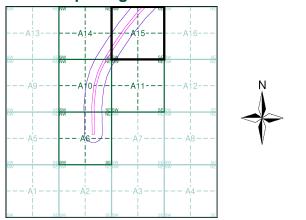
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The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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 A15



Order Details

Order Number:
 Customer Ref:
 5162675 sub no 255

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

172582399_1_1 А 21.45 100

Tel: Fax: Web:

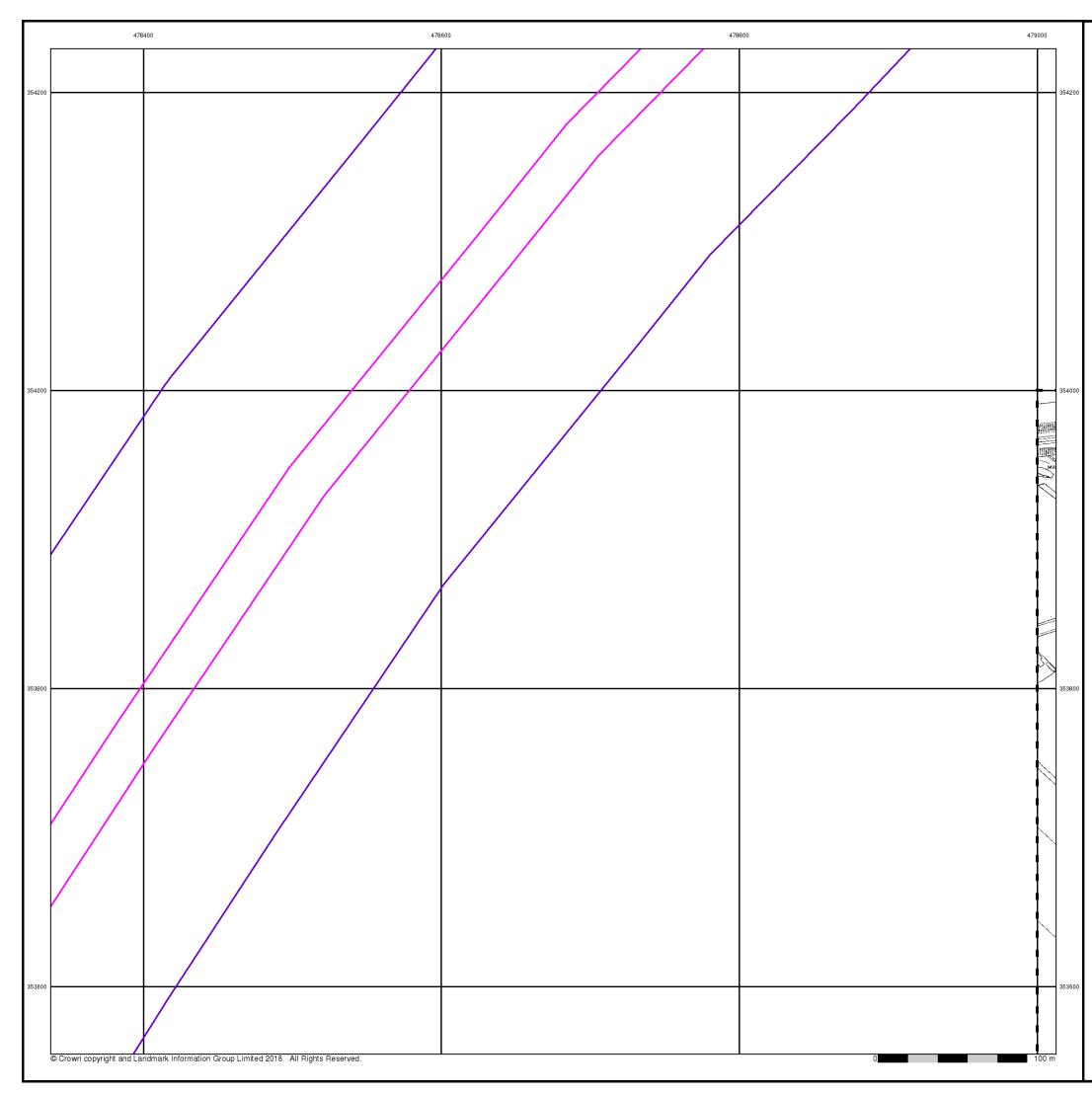


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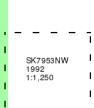
Additional SIMs

Published 1992

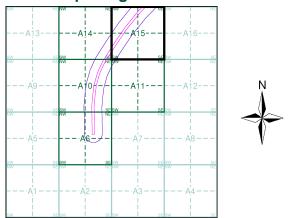
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The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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 A15



Order Details

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 Customer Ref:
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 478240, 353050
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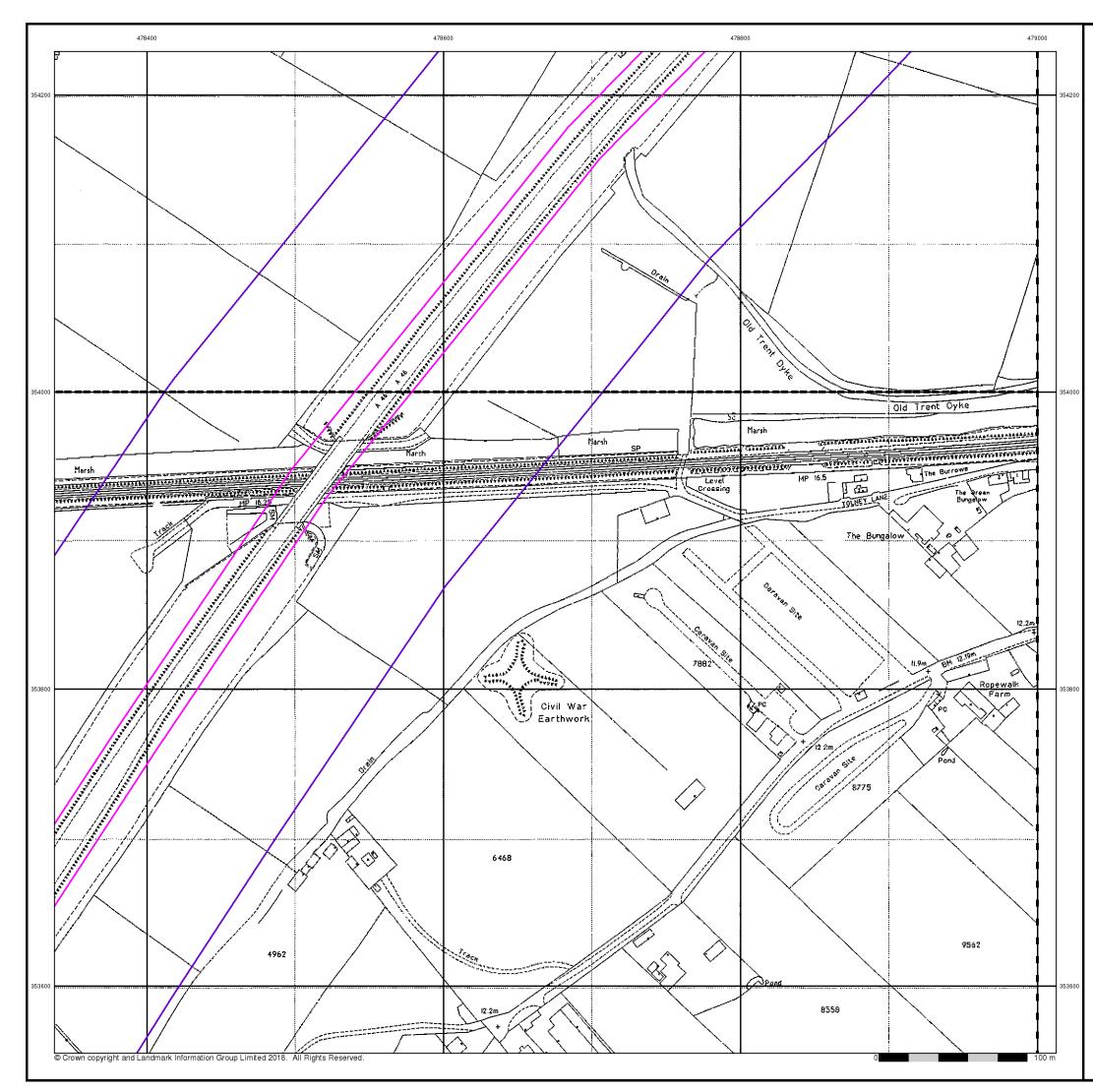
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Tel: Fax: Web:



A46, Newark, NG24 2PG



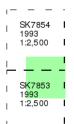


Large-Scale National Grid Data Published 1993

Source map scale - 1:2,500

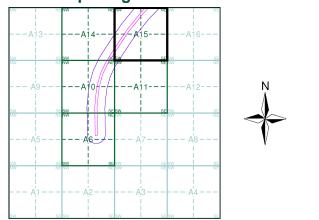
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic 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 A15



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

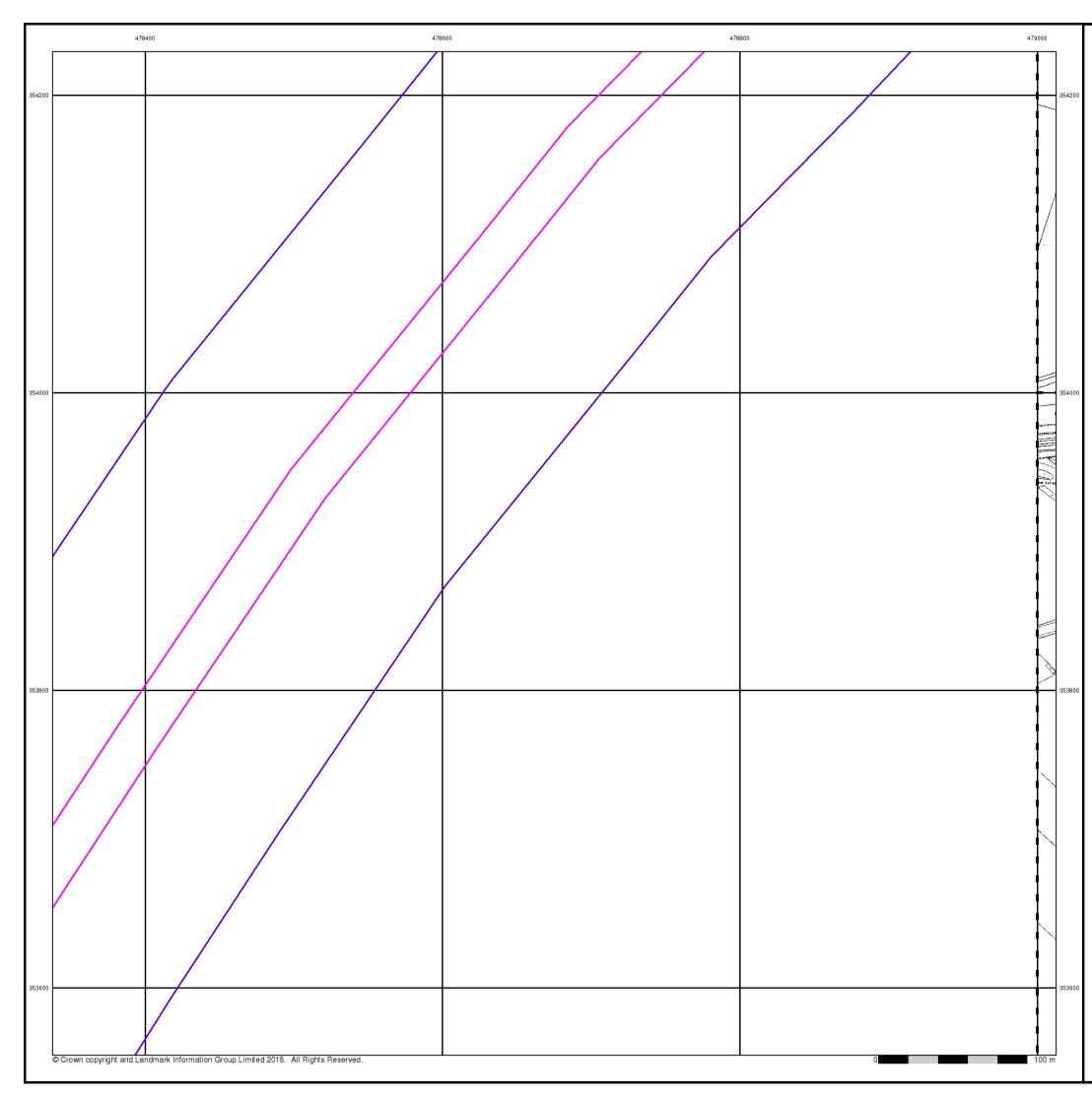
172582399_1_1 5162675 sub no 255 А 21.45 100

Tel: Fax: Web:

Site Details

A46, Newark, NG24 2PG



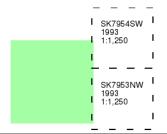


Large-Scale National Grid Data Published 1993

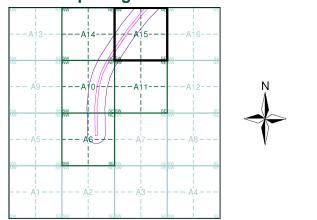
Source map scale - 1:1,250

'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 A15



Order Details

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

172582399_1_1 А 21.45 100

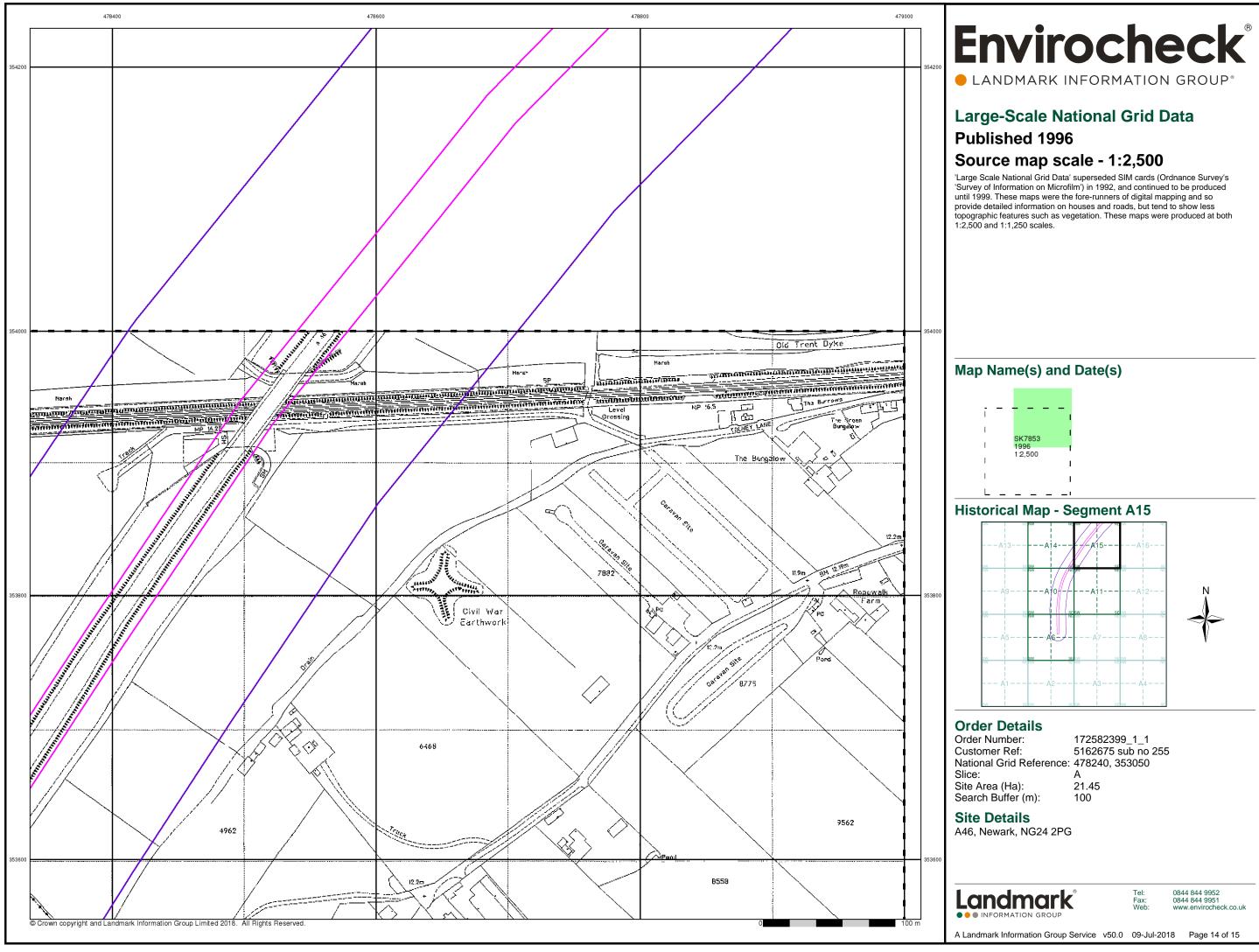


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Tel: Fax: Web:

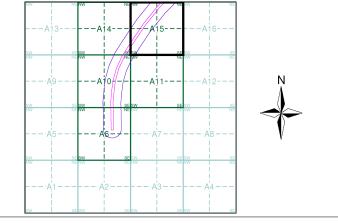




Historical Aerial Photography Published 1999

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





Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

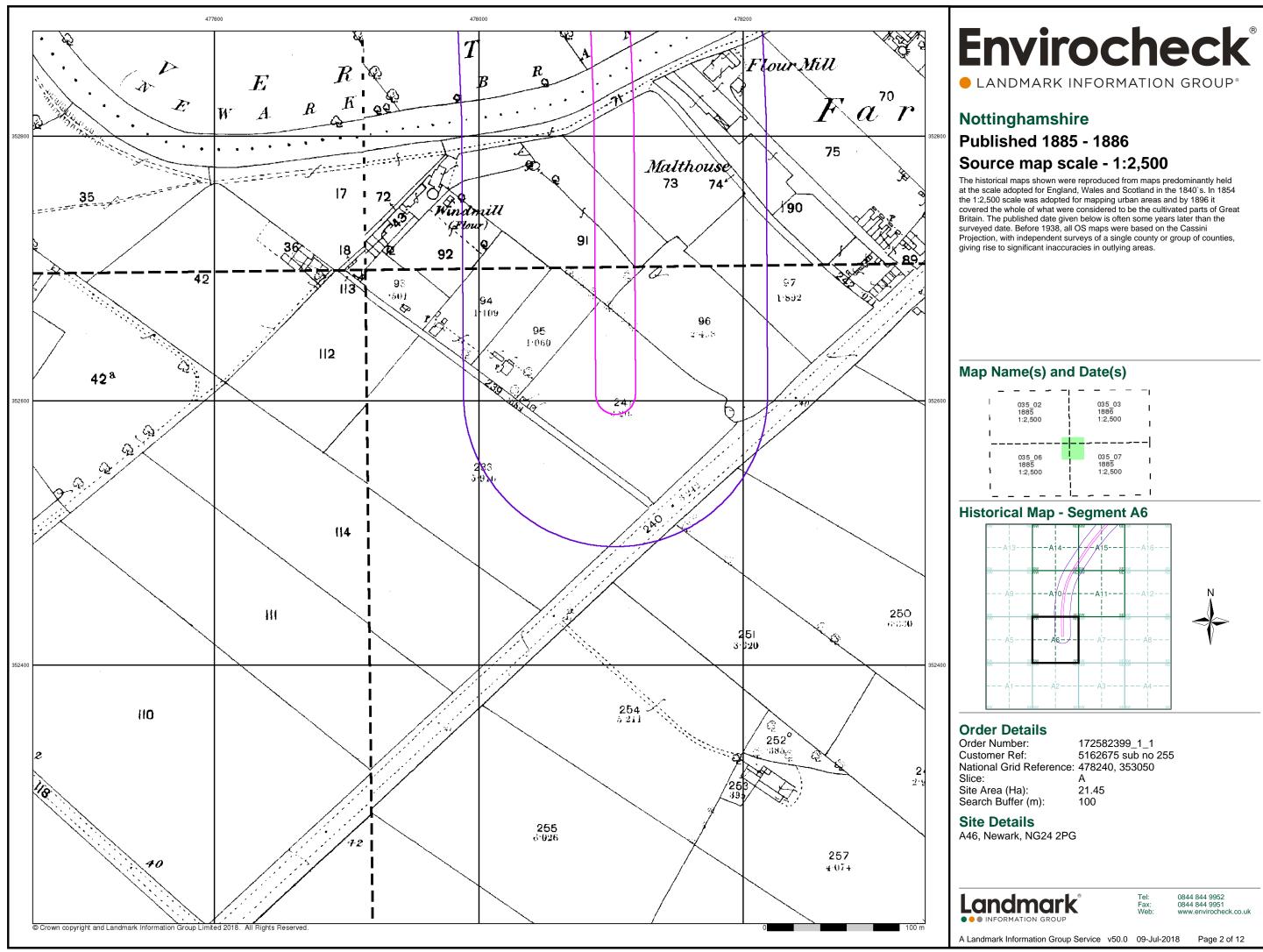
А 21.45 100

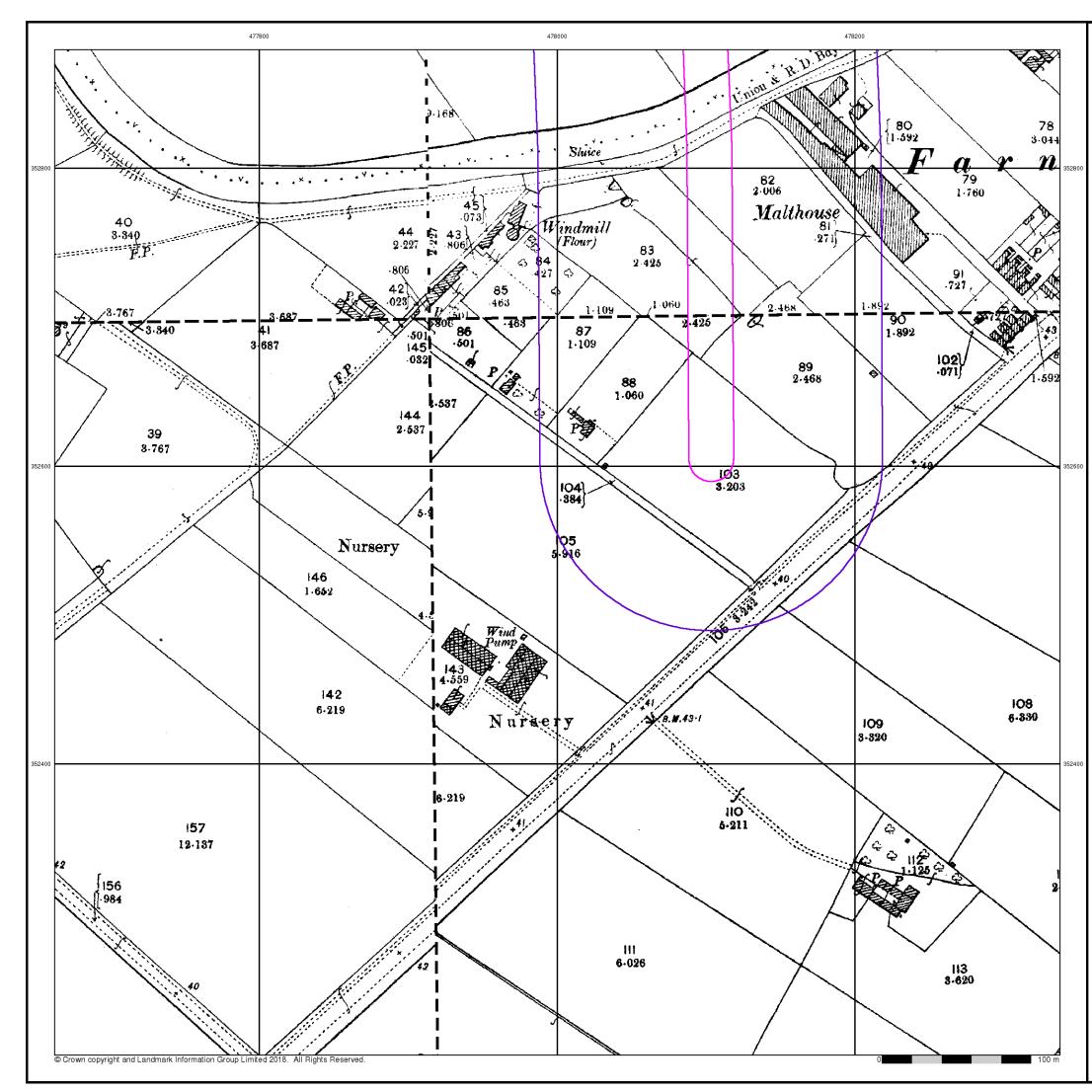
Site Details

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Tel: Fax: Web:

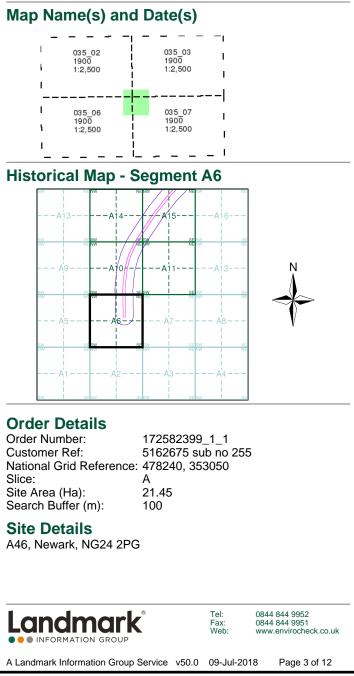


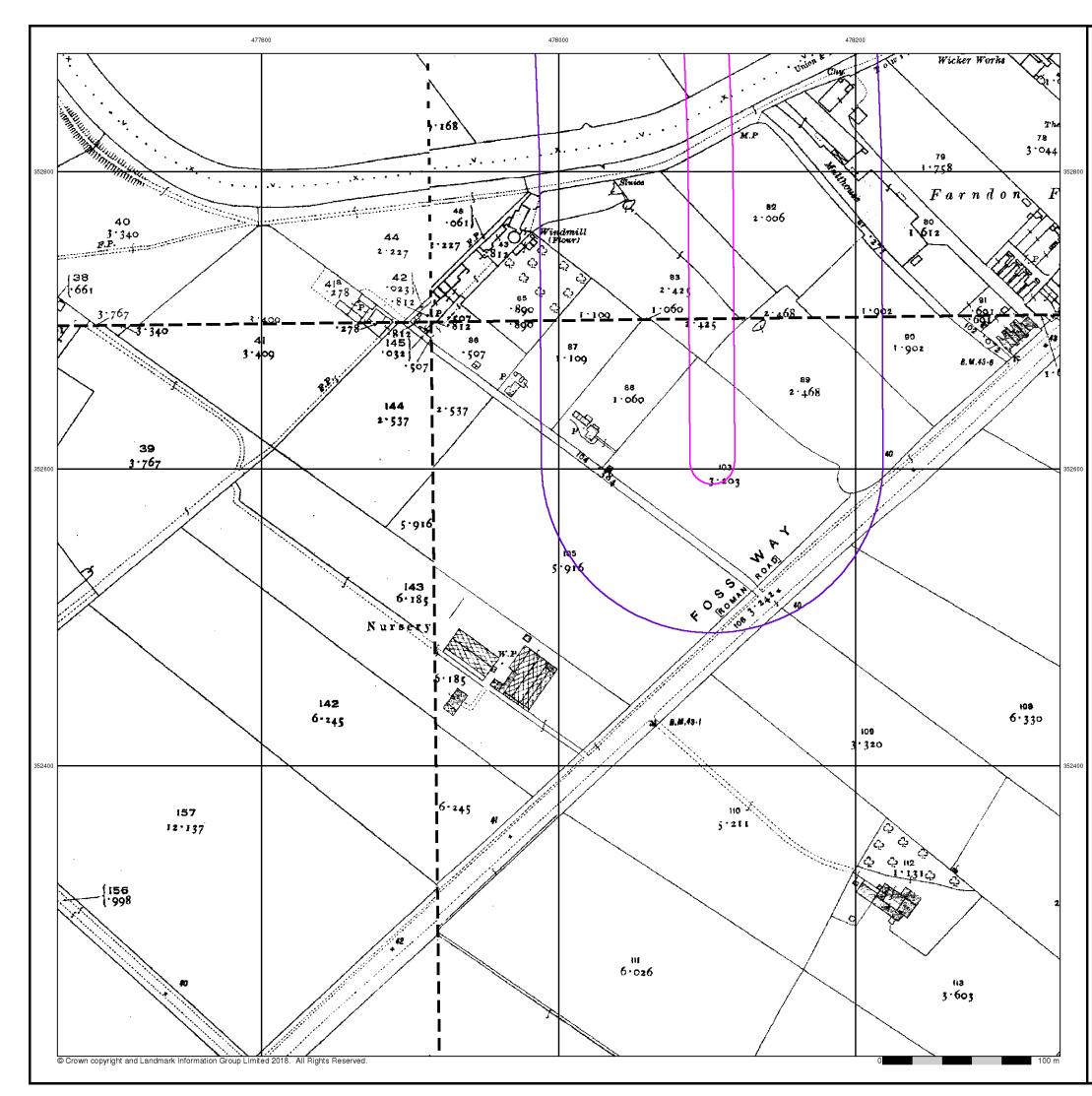


Nottinghamshire

Published 1900

Source map scale - 1:2,500

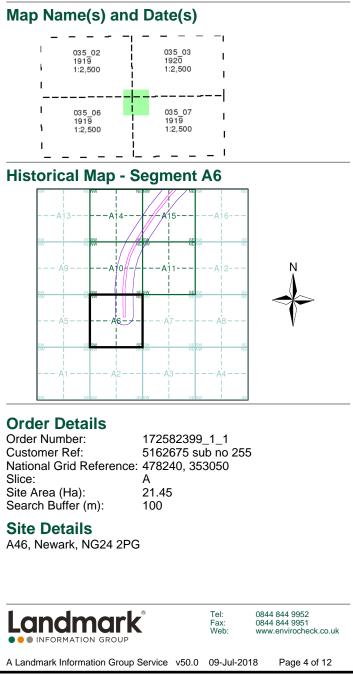


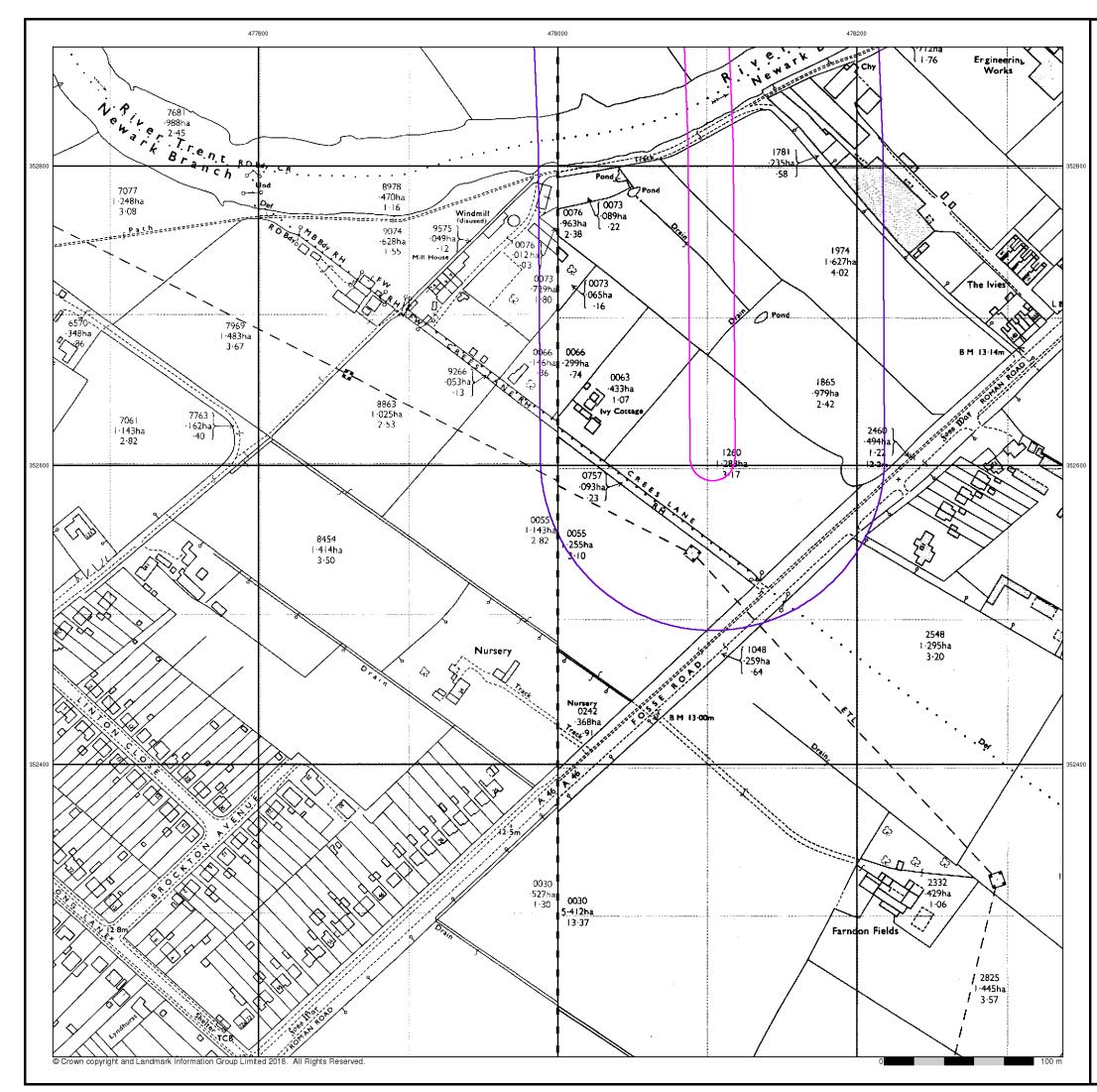


Nottinghamshire

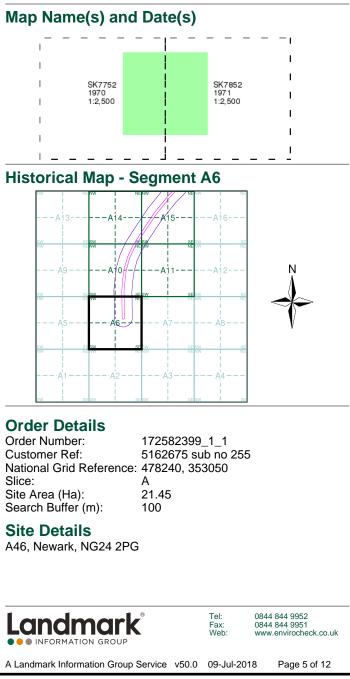
Published 1919 - 1920

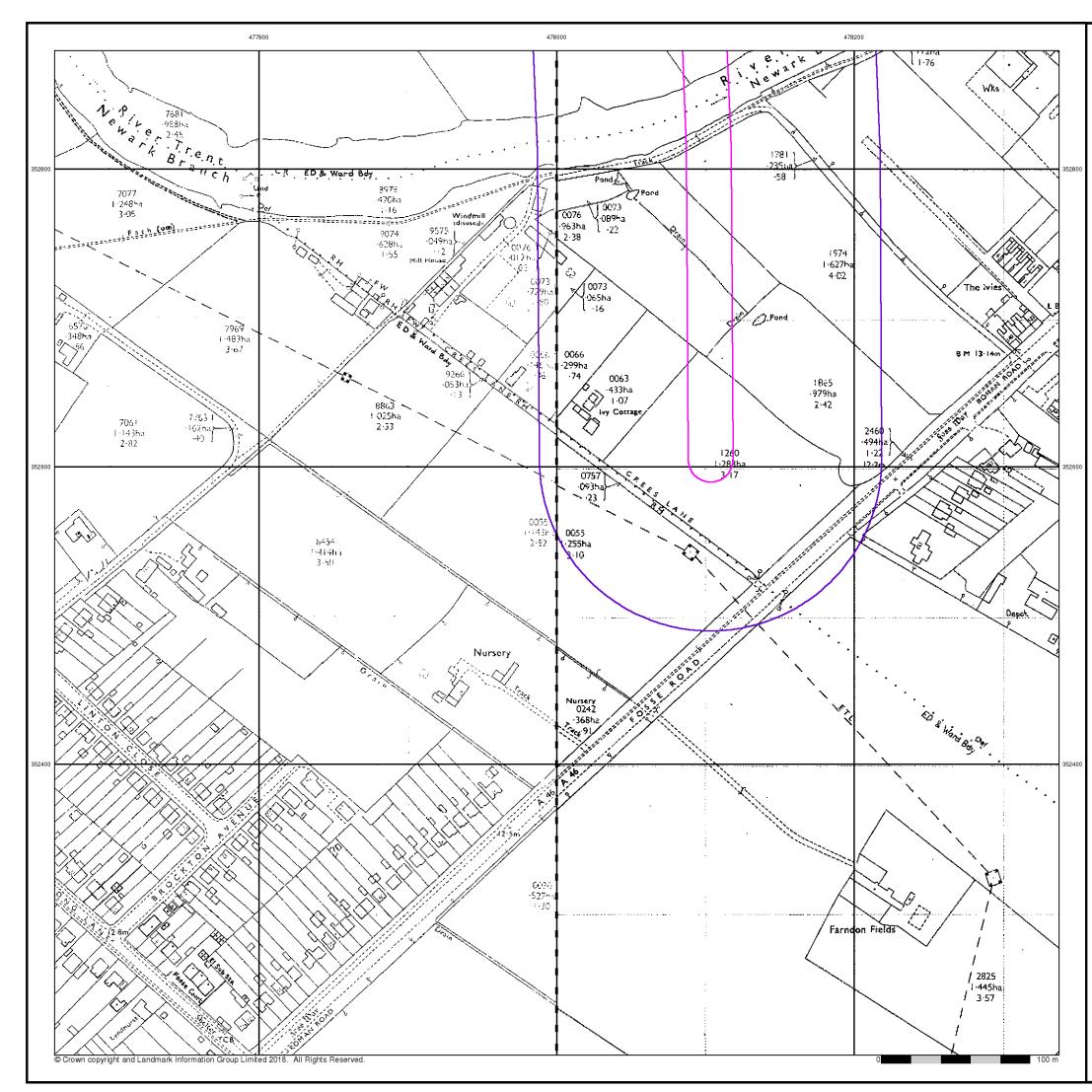
Source map scale - 1:2,500





Ordnance Survey Plan Published 1970 - 1971 Source map scale - 1:2,500



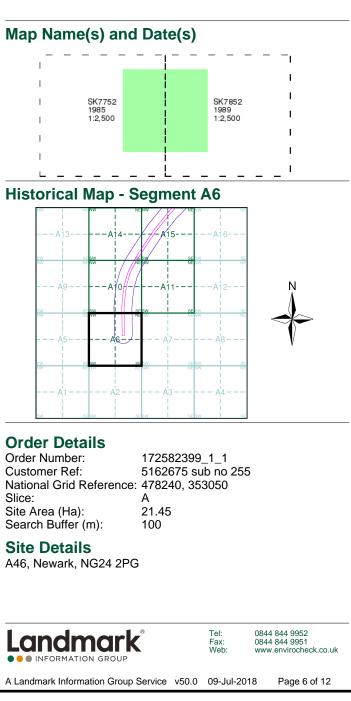


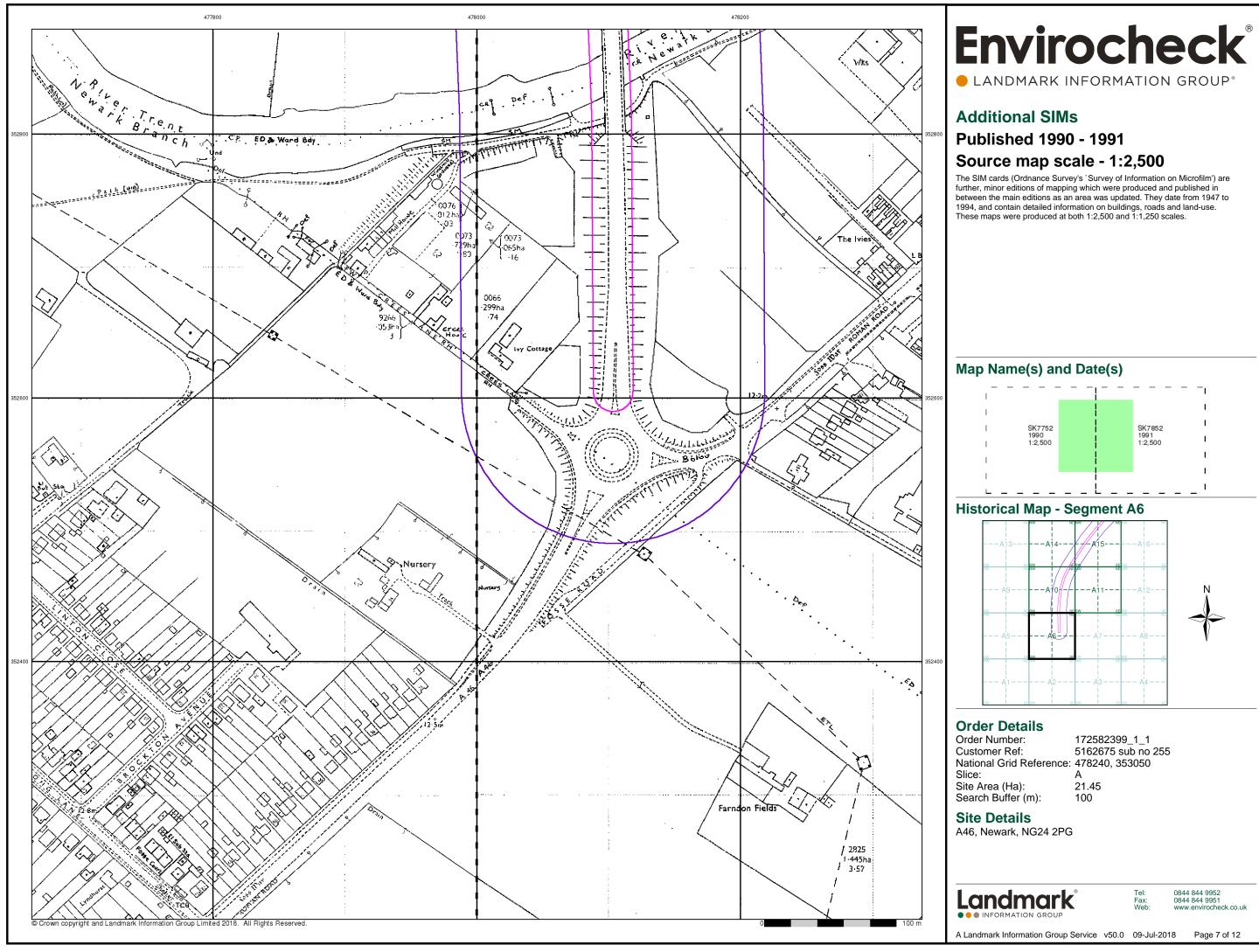
Additional SIMs

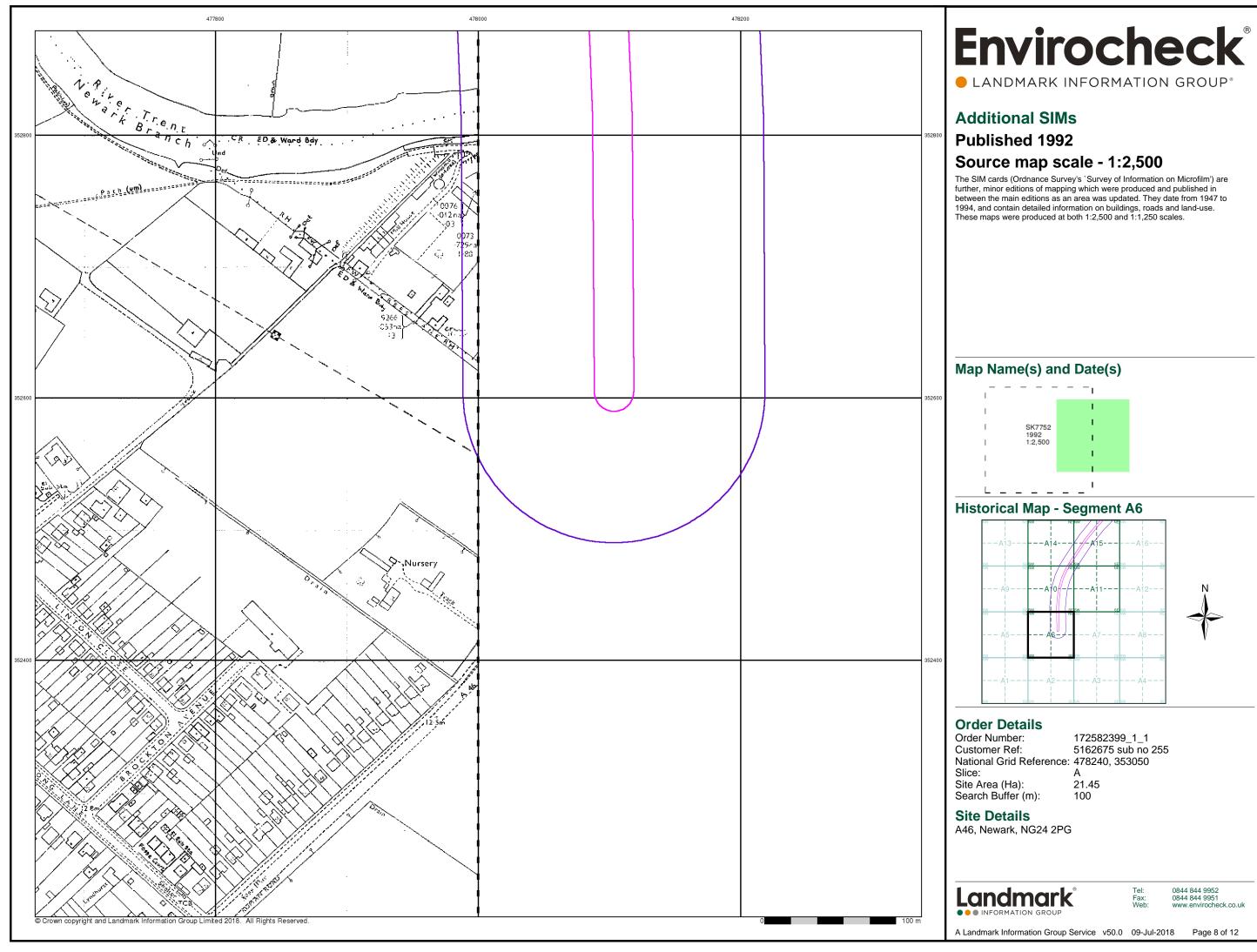
Published 1985 - 1989

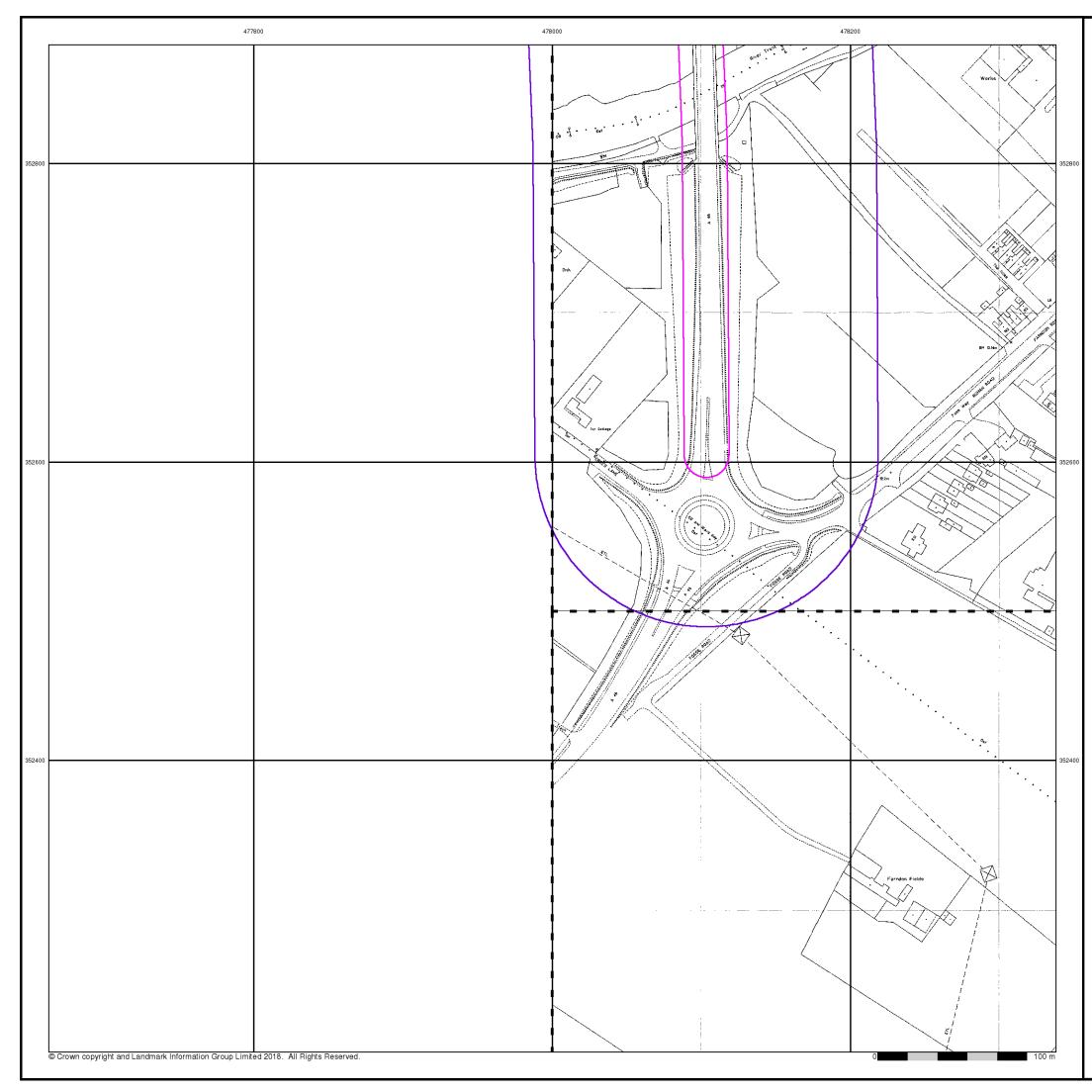
Source map scale - 1:2,500

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Large-Scale National Grid Data Published 1993

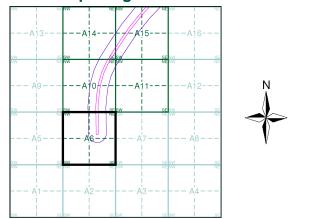
Source map scale - 1:1,250

'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 A6



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

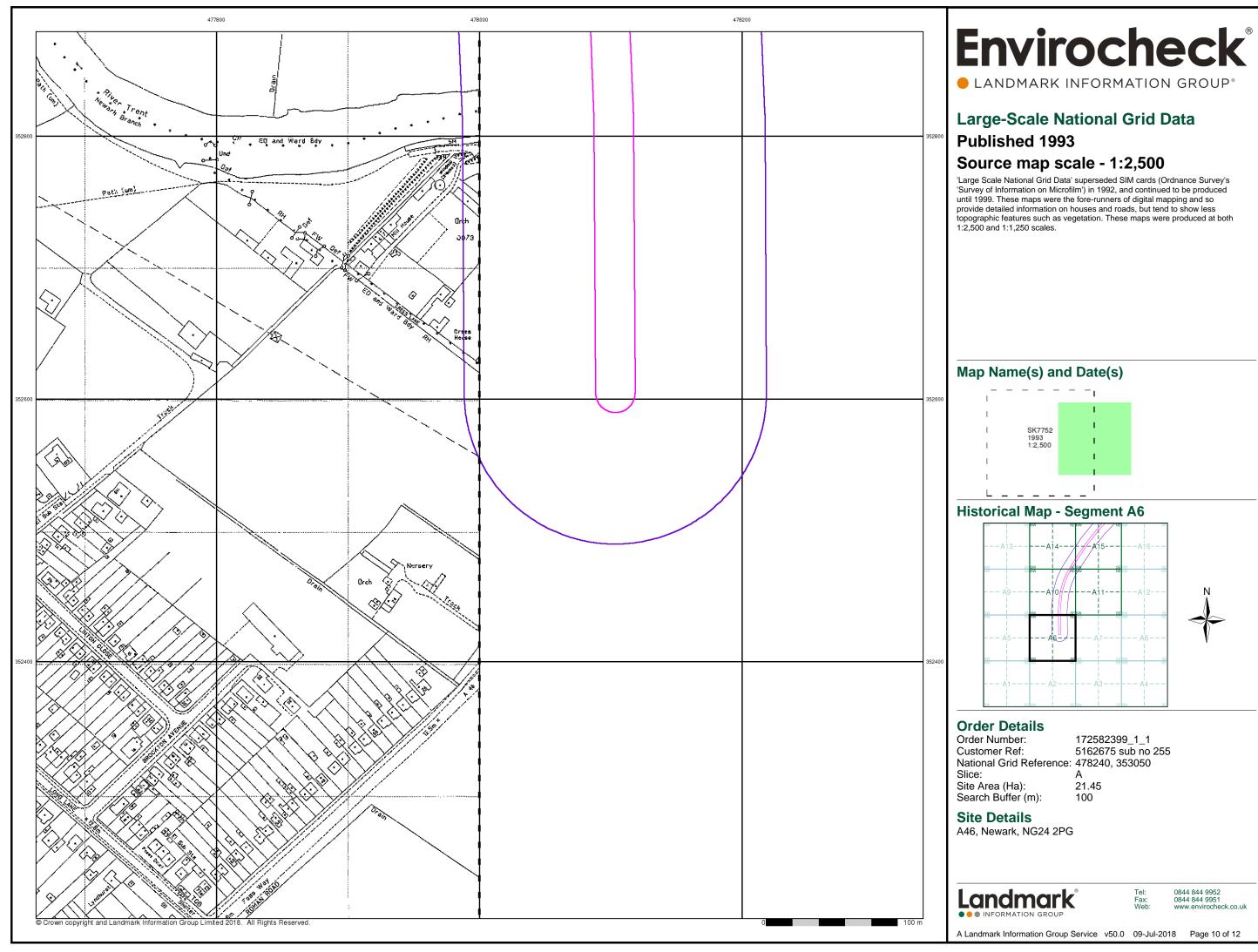
172582399_1_1 5162675 sub no 255 А 21.45 100

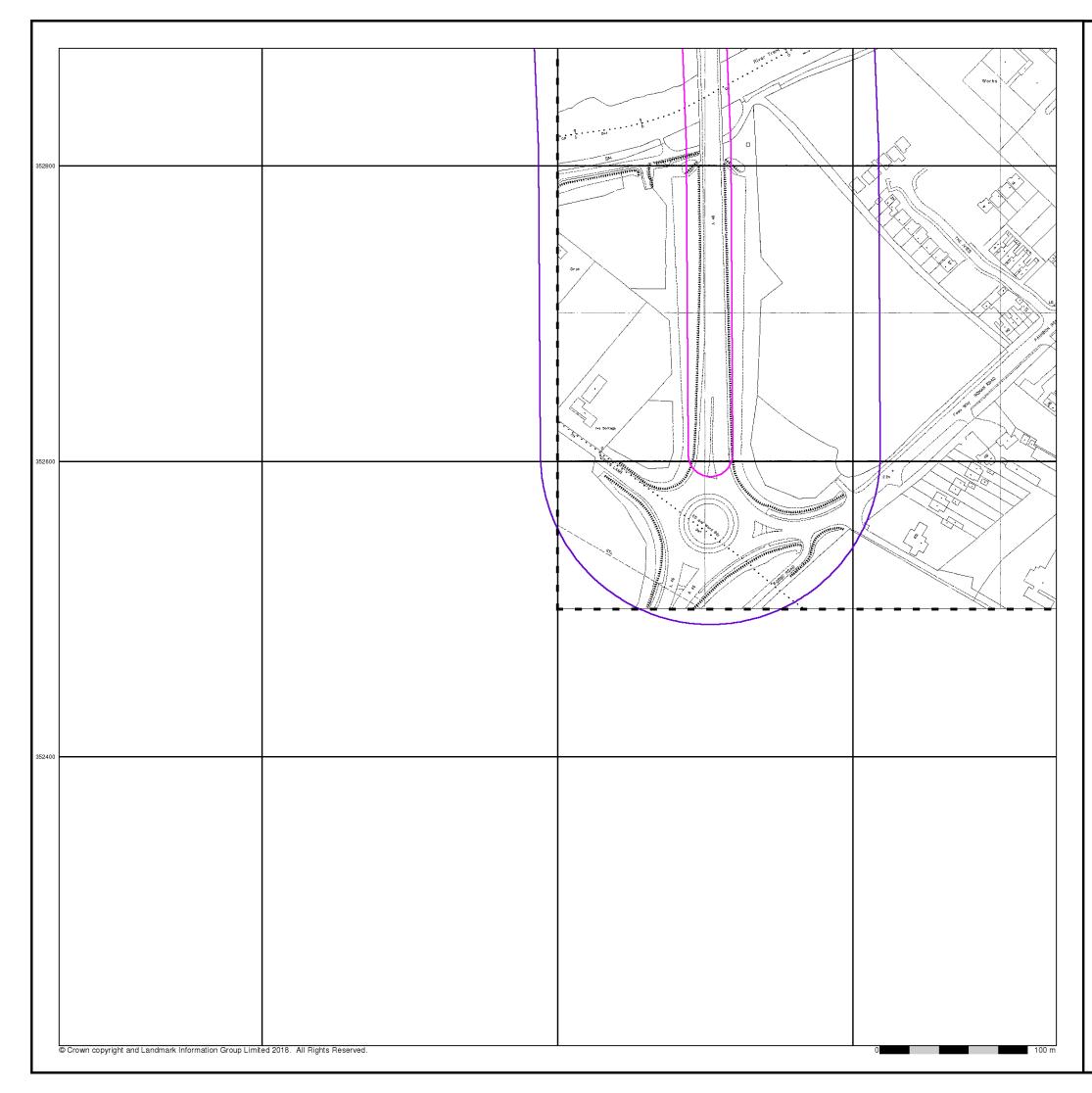
Tel: Fax: Web:



A46, Newark, NG24 2PG







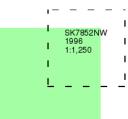
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Large-Scale National Grid Data Published 1996

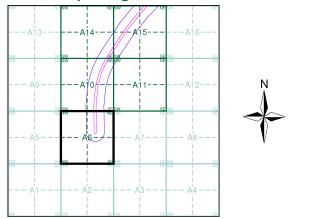
Source map scale - 1:1,250

'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 A6



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Search Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100



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Tel: Fax: Web:

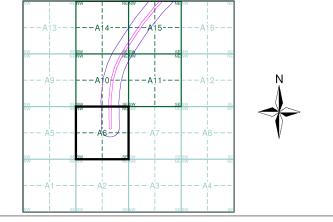


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Historical Aerial Photography Published 1999

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





Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

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Tel: Fax: Web:



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Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silty [Unlithified Deposits Coding Scheme]	Flandrian - Pleistocene
	HPSG	Holme Pierrepont Sand and Gravel Member	Sand and Gravel	Pleistocene - Pragian
	BDTN	Balderton Sand and Gravel Member	Sand and Gravel	Pleistocene - Pragian
	HEAD	Head	Sand and Clay	Quaternary - Ryazanian
	RTDU	River Terrace Deposits (Undifferentiated)	Clay, Silt and Sand	Quaternary - Ryazanian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	ock Name Rock Type	
	BCMU	Branscombe Mudstone Formation	Mudstone	Rhaetian - Norian
	EDW	Edwalton Member	Mudstone, Siltstone and Sandstone	Carnian - Carnian
	GUN	Gunthorpe Member	Mudstone, Siltstone and Sandstone	Ladinian - Anisian

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Geology 1:10,000 Maps

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

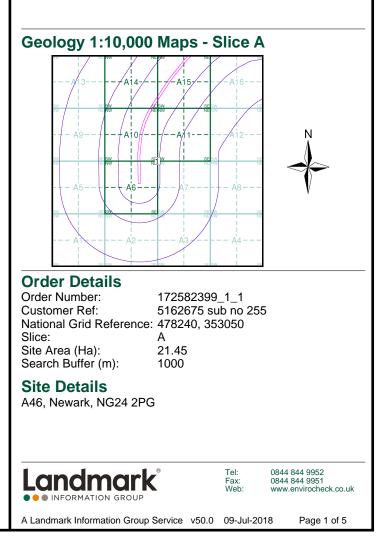
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

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

Geology 1:10,000 Maps Coverage

Map ID: Map Name: Map Date: Bedrock Geology: Superficial Geology: Artificial Geology: Faults: Landslip: Rock Segments:

1 SK75SE 1993 Available Available Available Not Available Not Available





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Artificial Ground and Landslip

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

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.

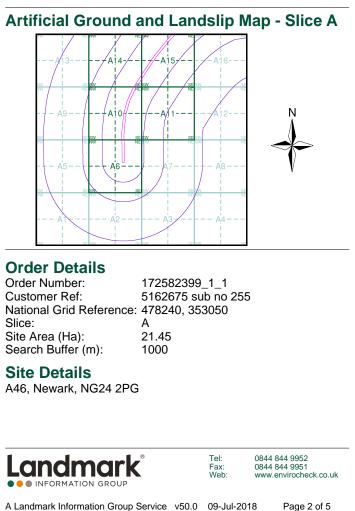
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.

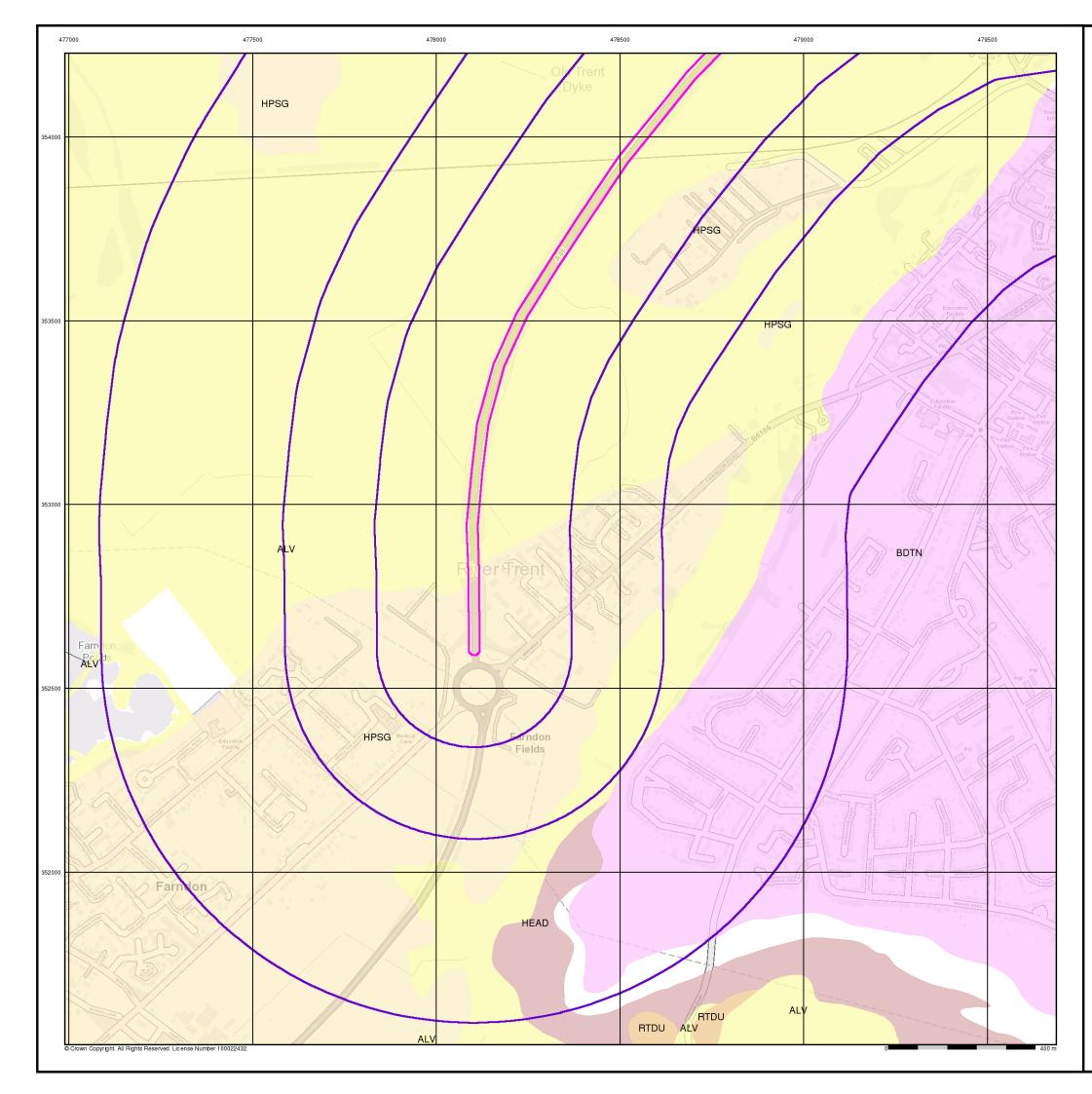
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.

- Landscaped ground - areas where the surface has been reshaped.

- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

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





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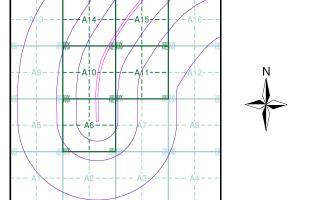
Superficial Geology

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

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

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





Order Details

Order Number:
 Customer Ref:
 5162675 sub no 255

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

172582399_1_1 А 21.45 1000

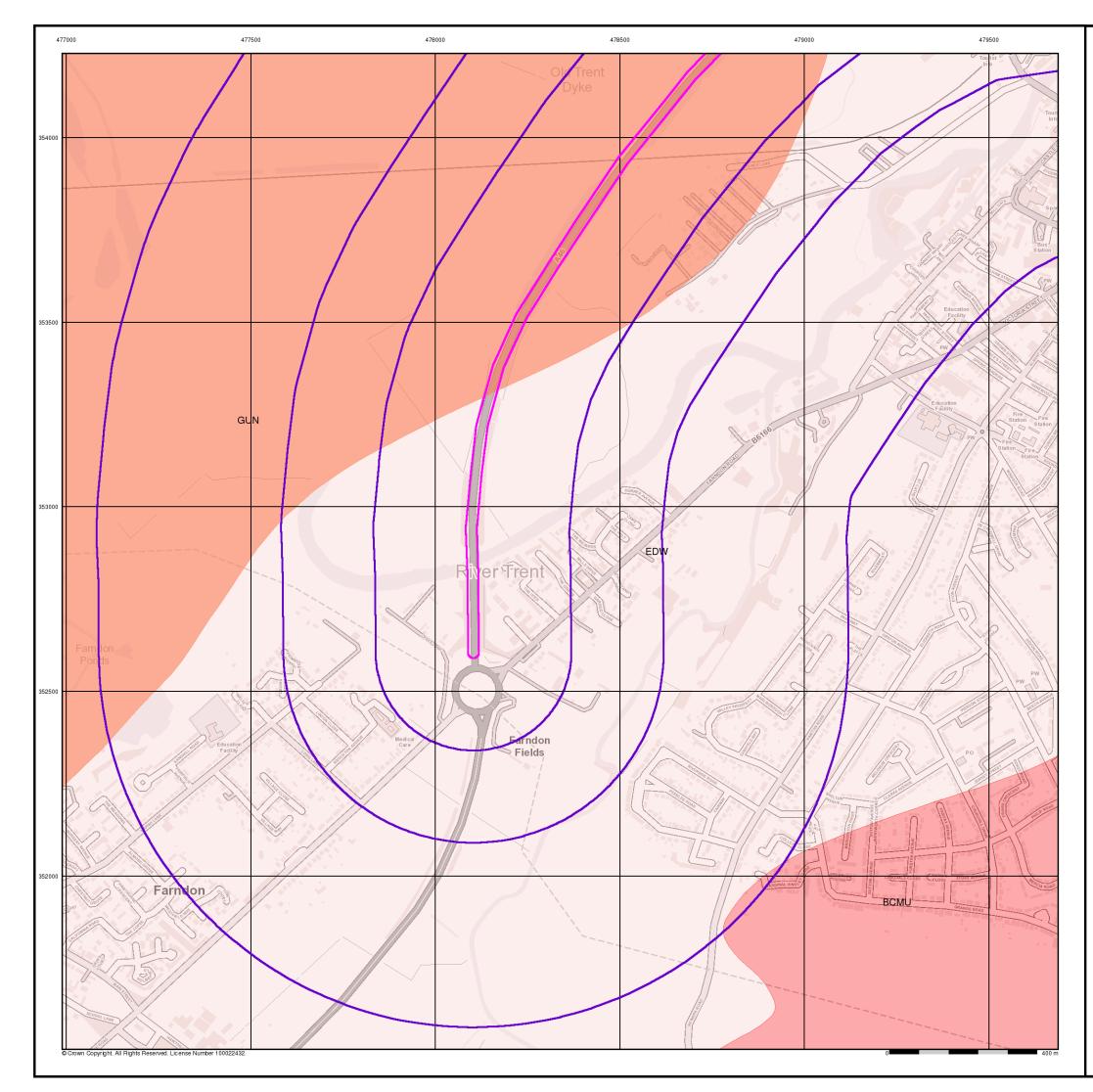
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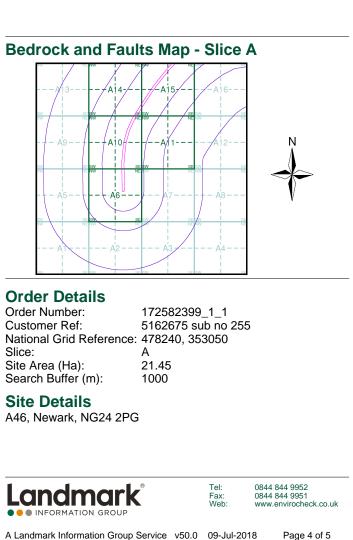
Bedrock and Faults

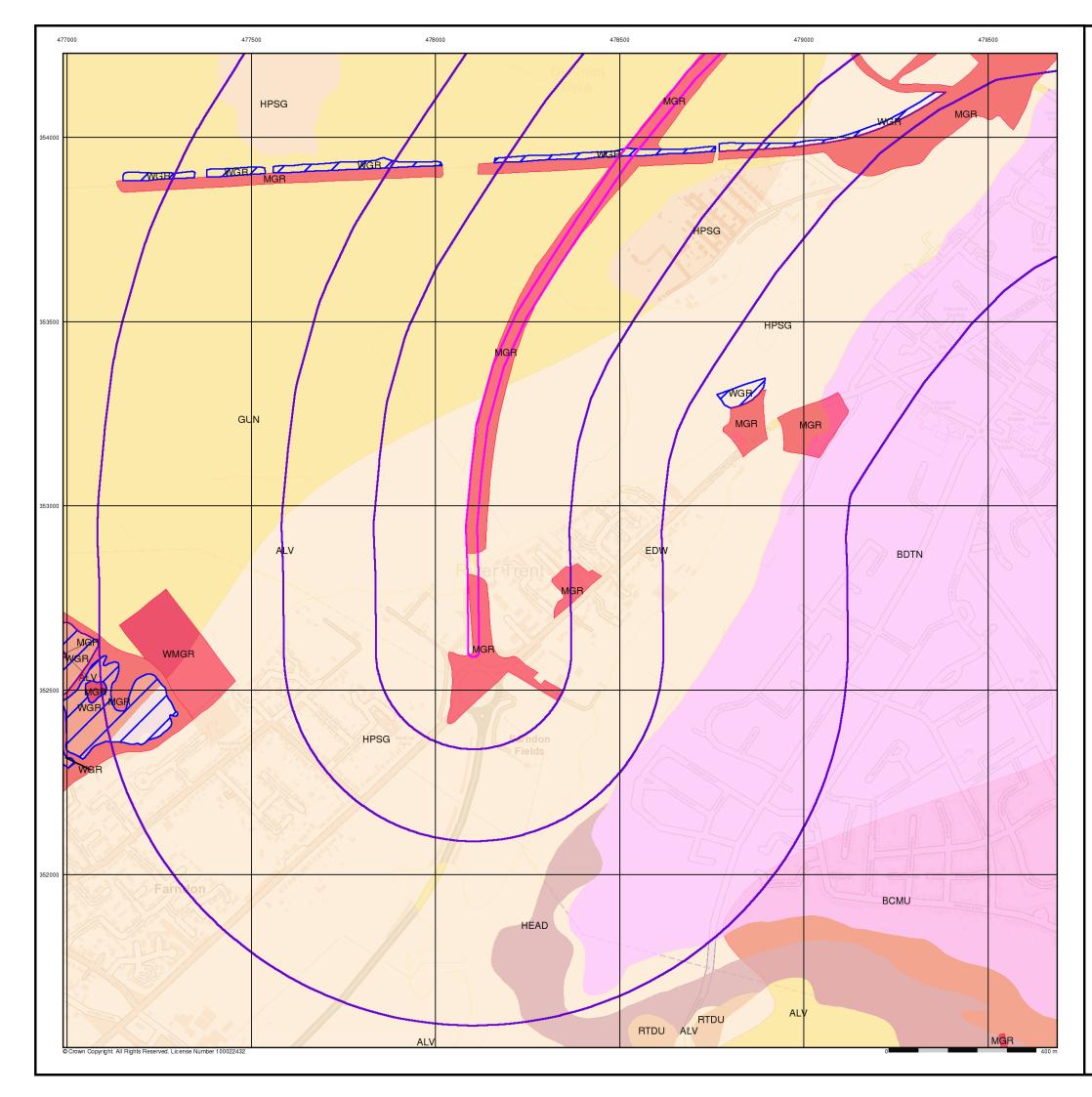
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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





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Combined Surface Geology

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

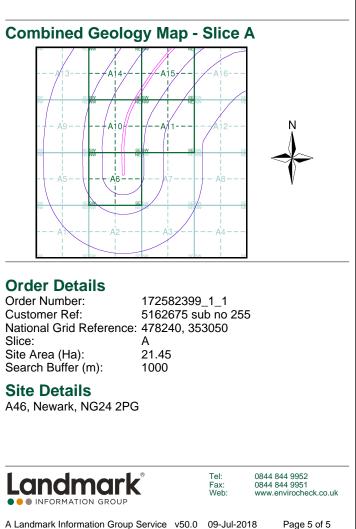
Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

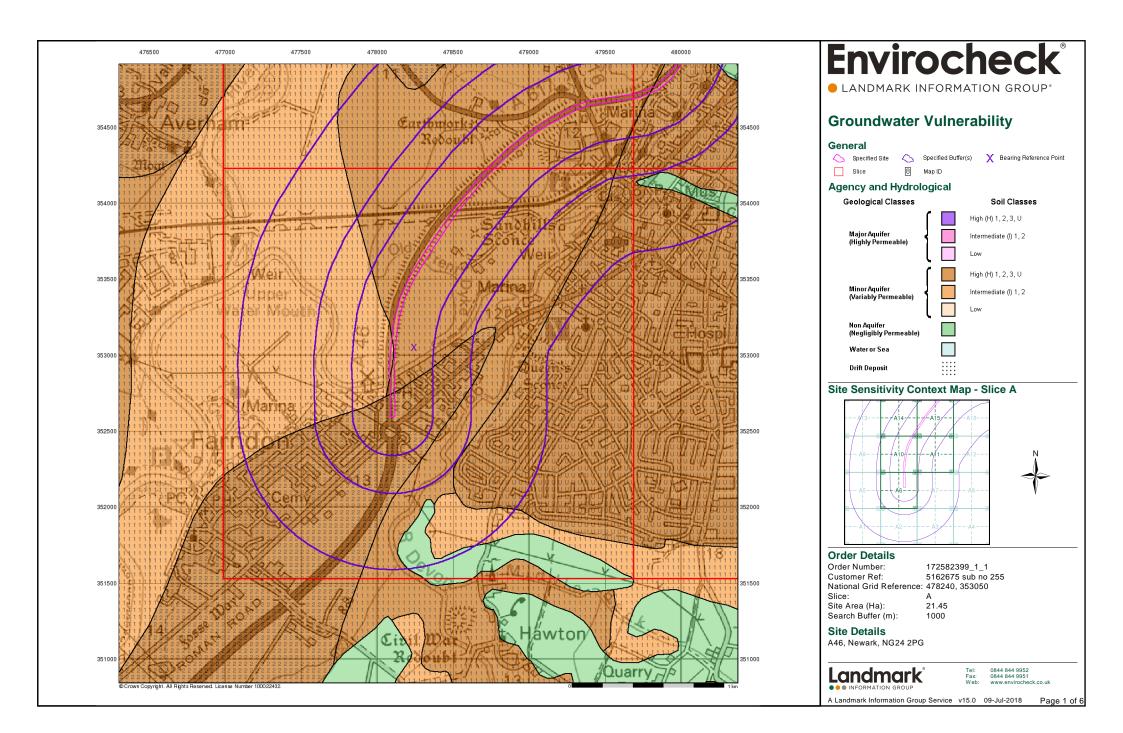
Additional Information

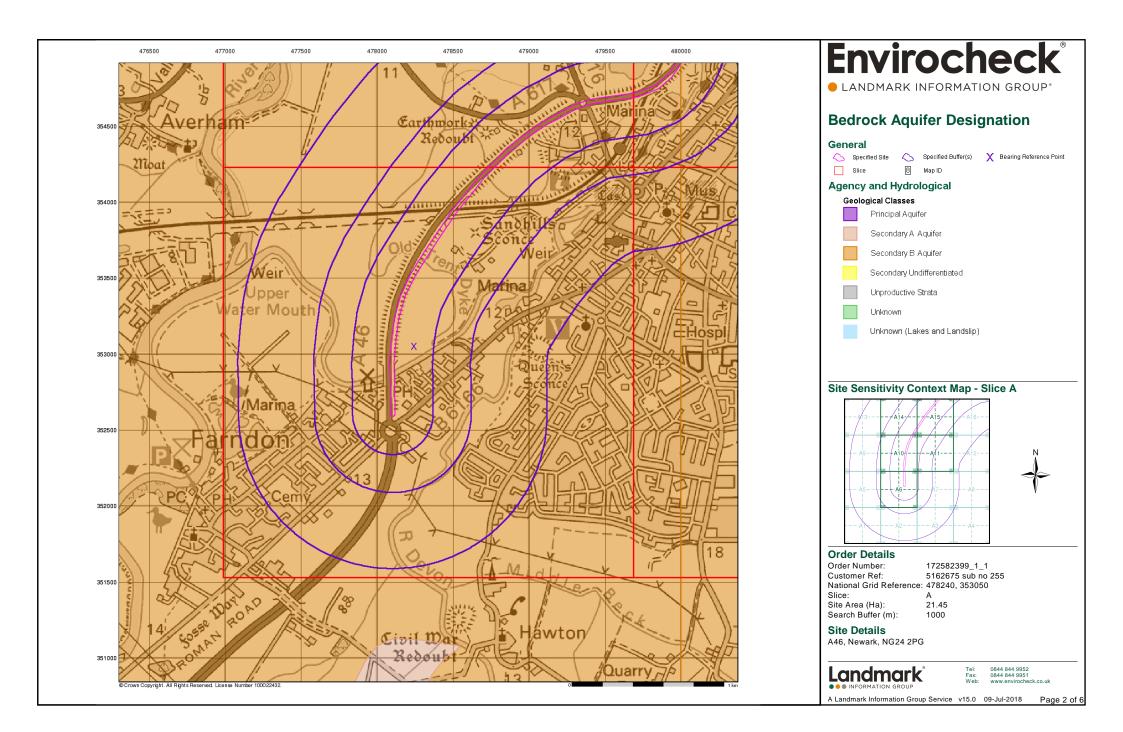
More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

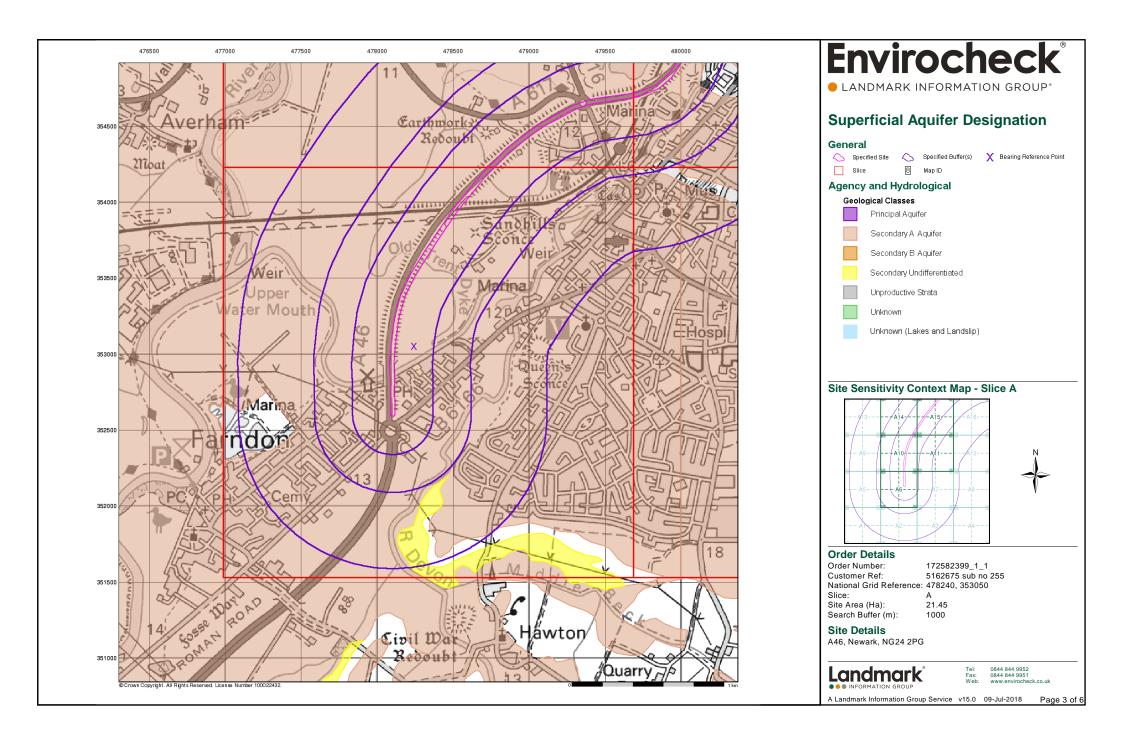
Contact

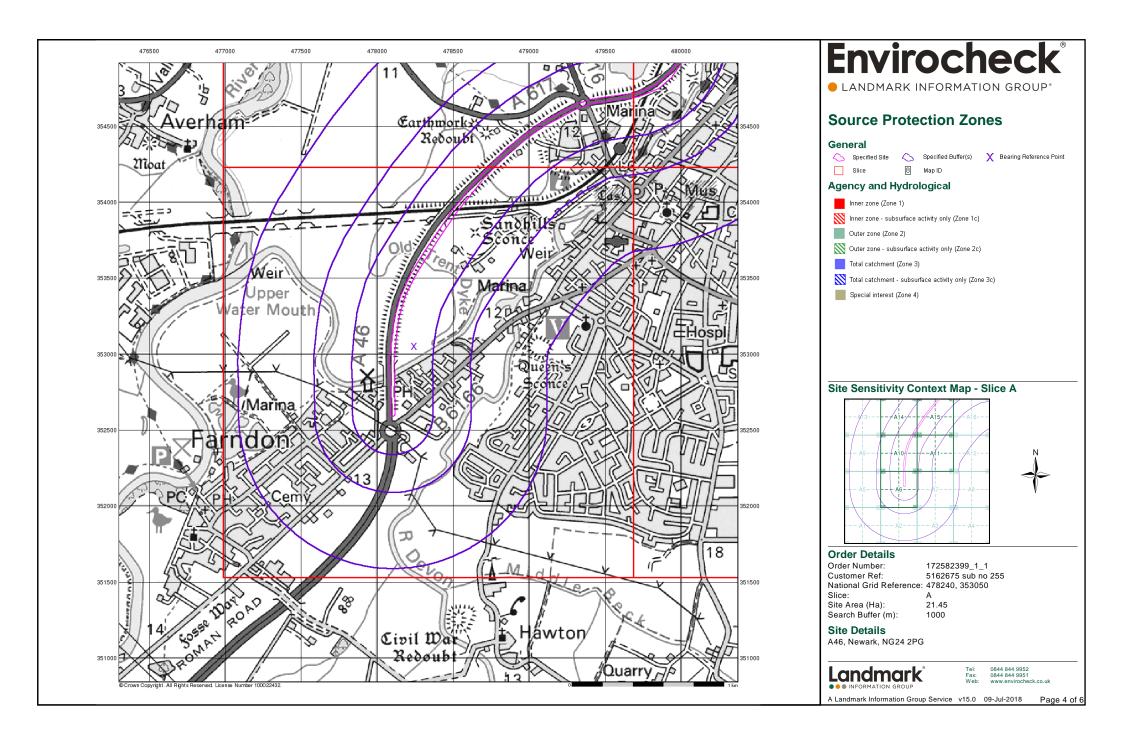
British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

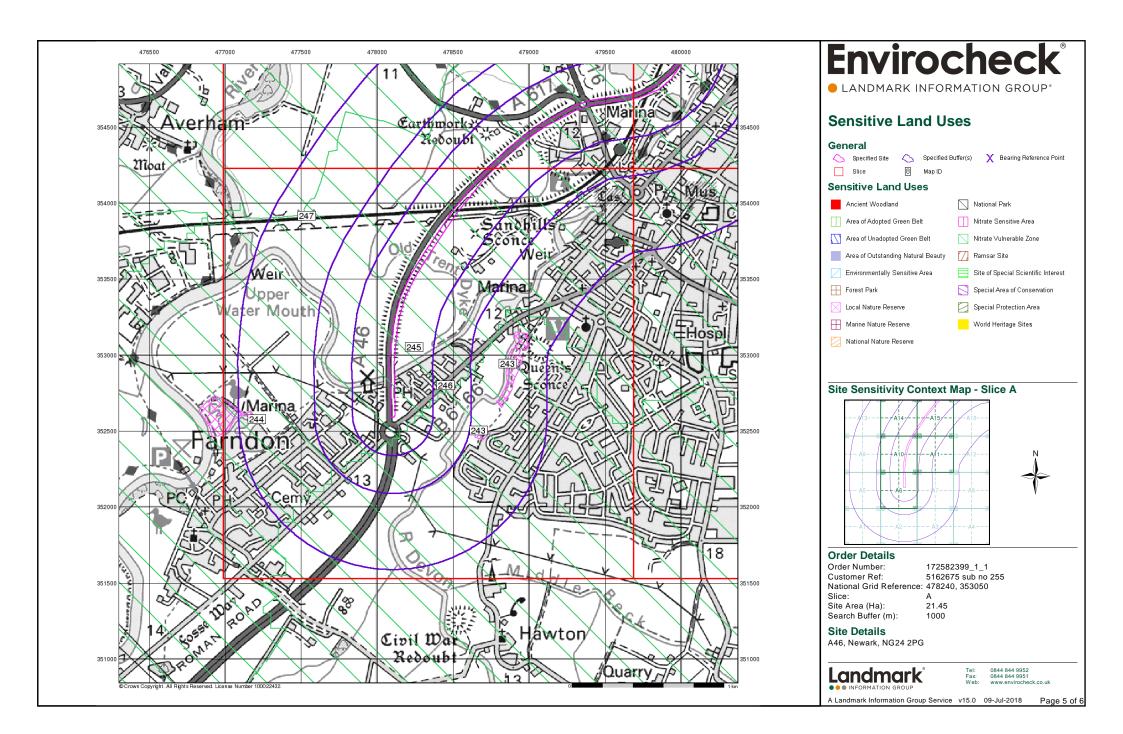


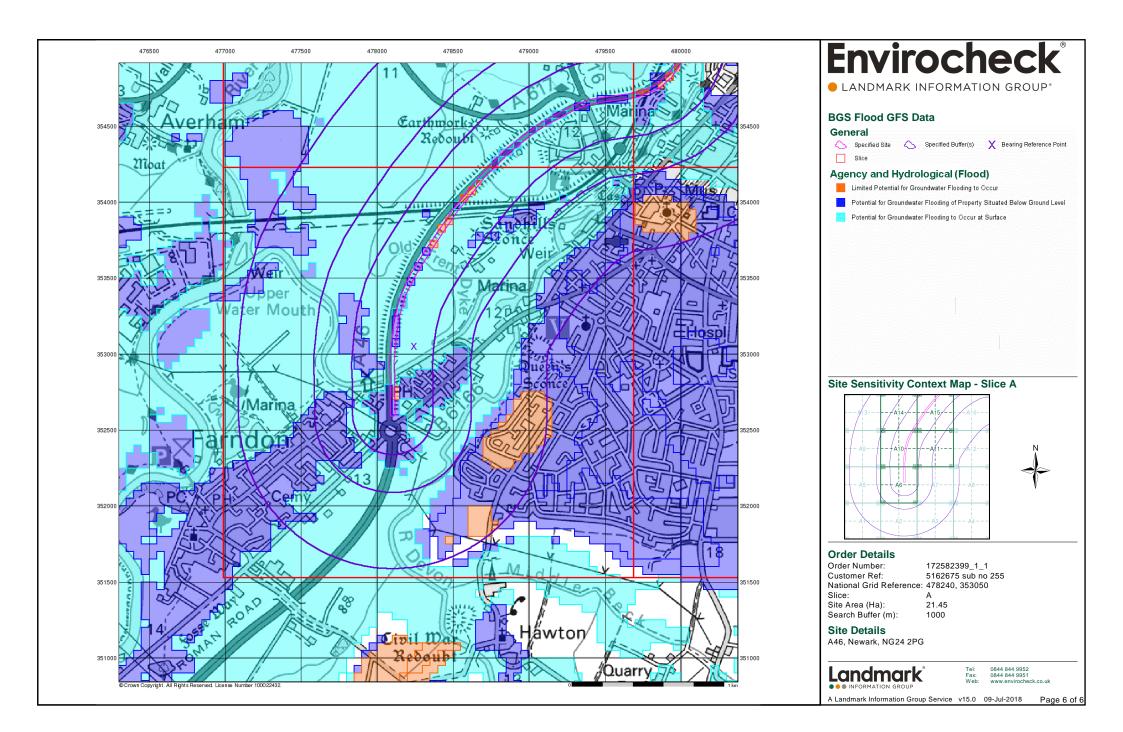


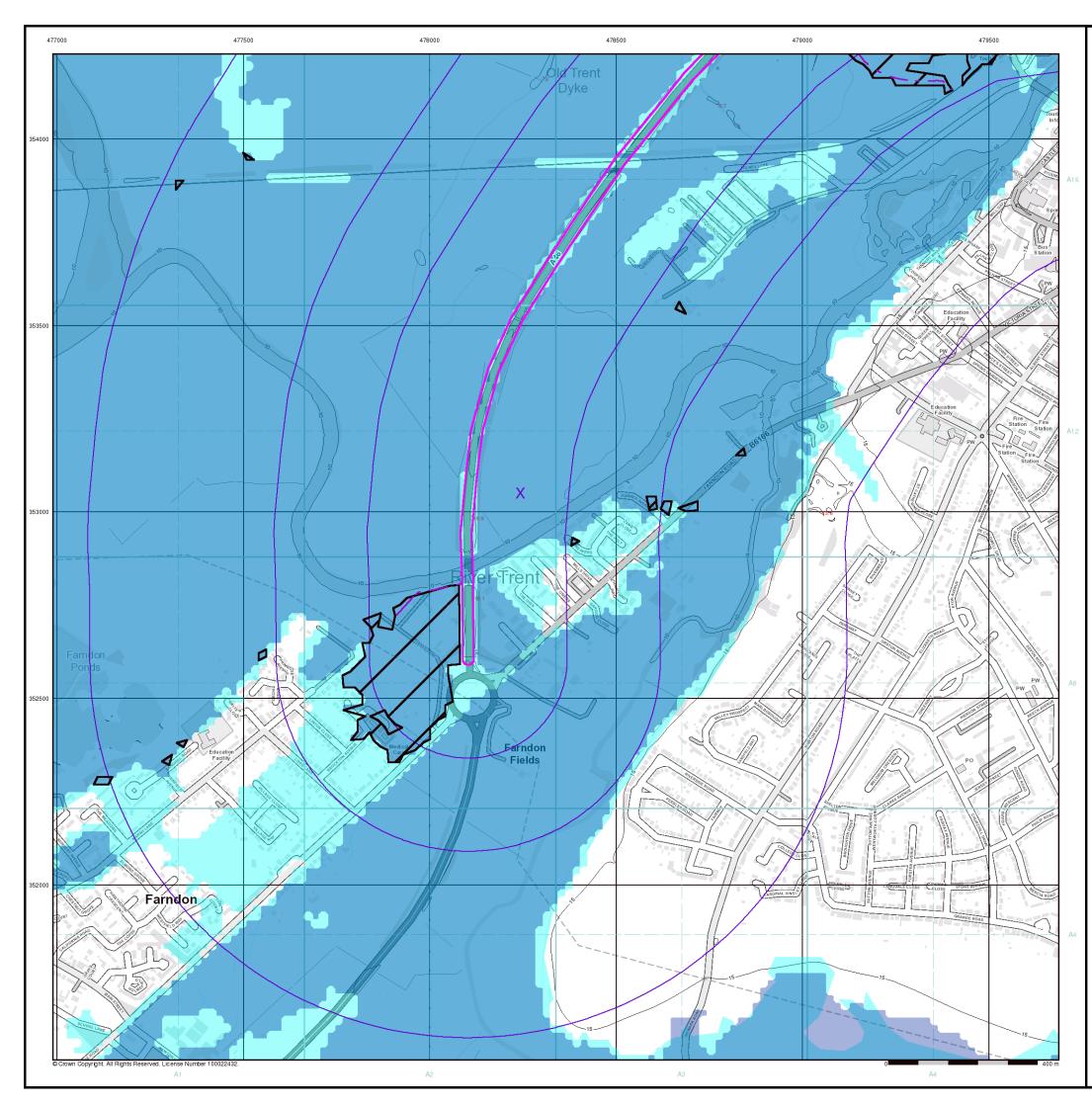


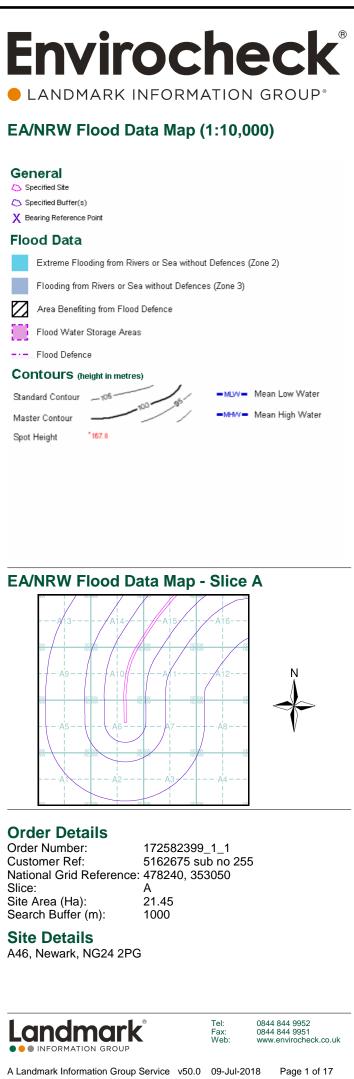


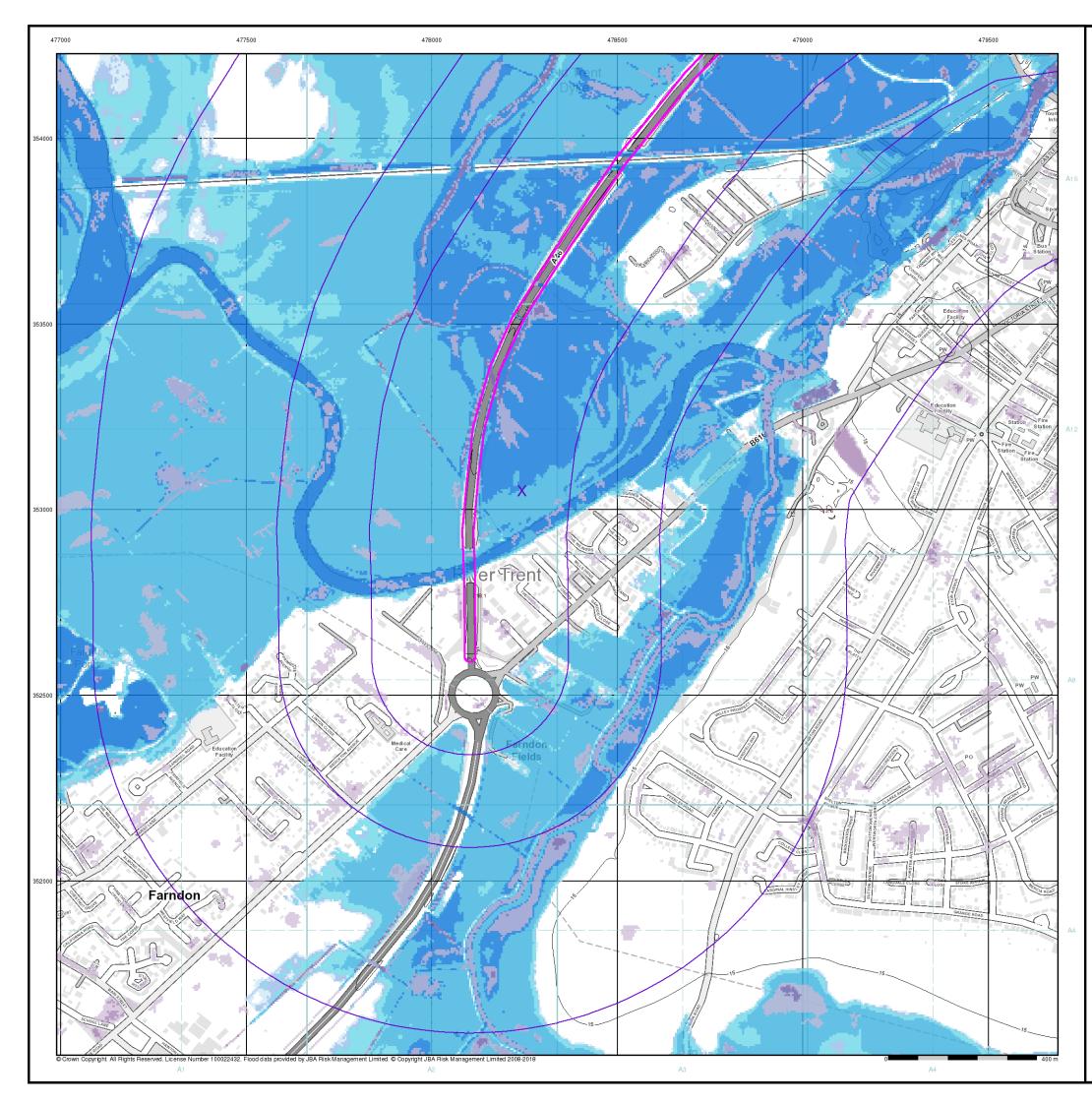


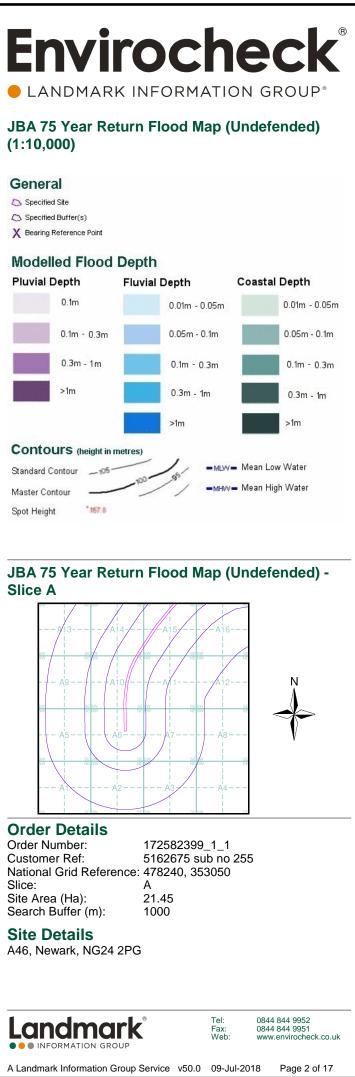


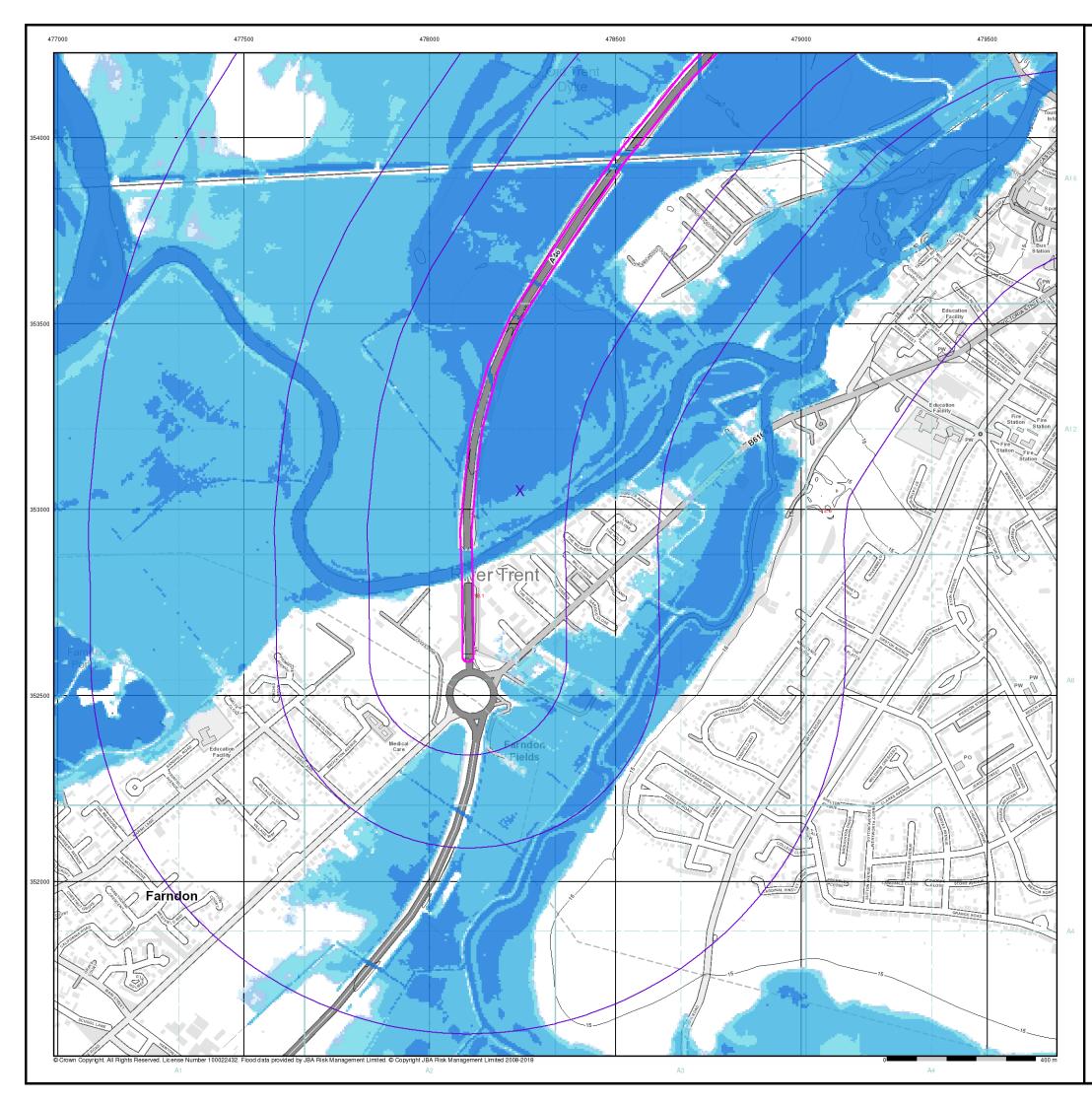


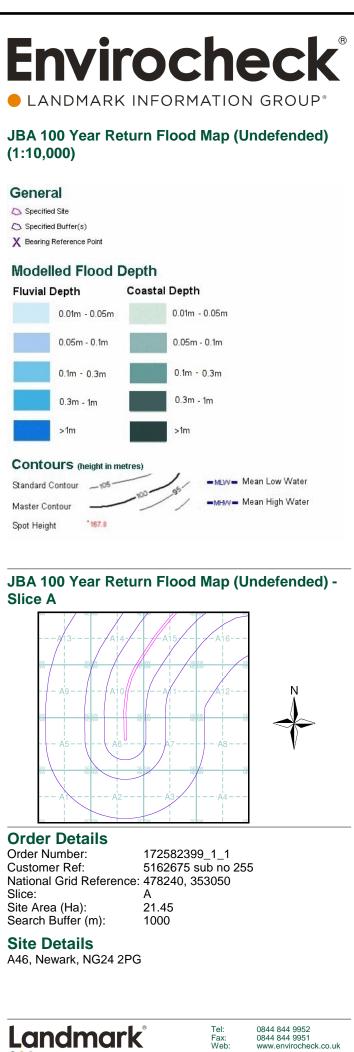




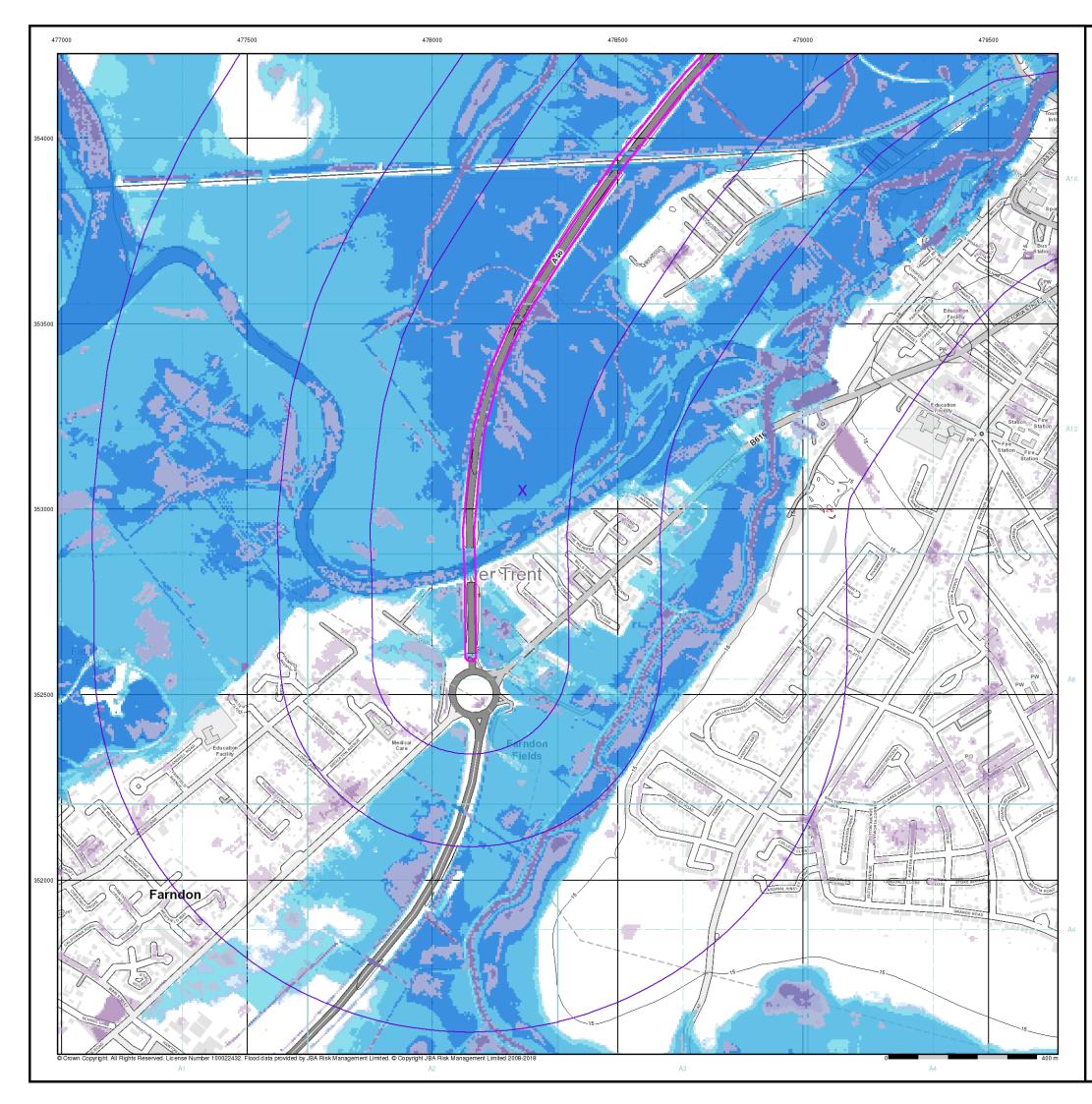


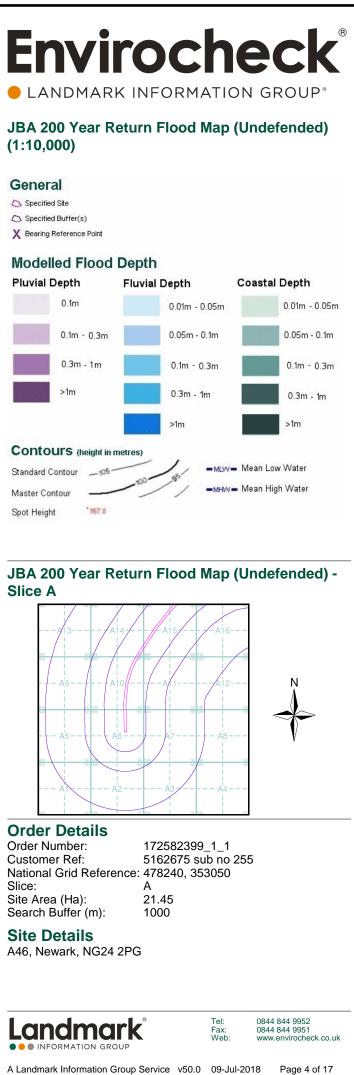


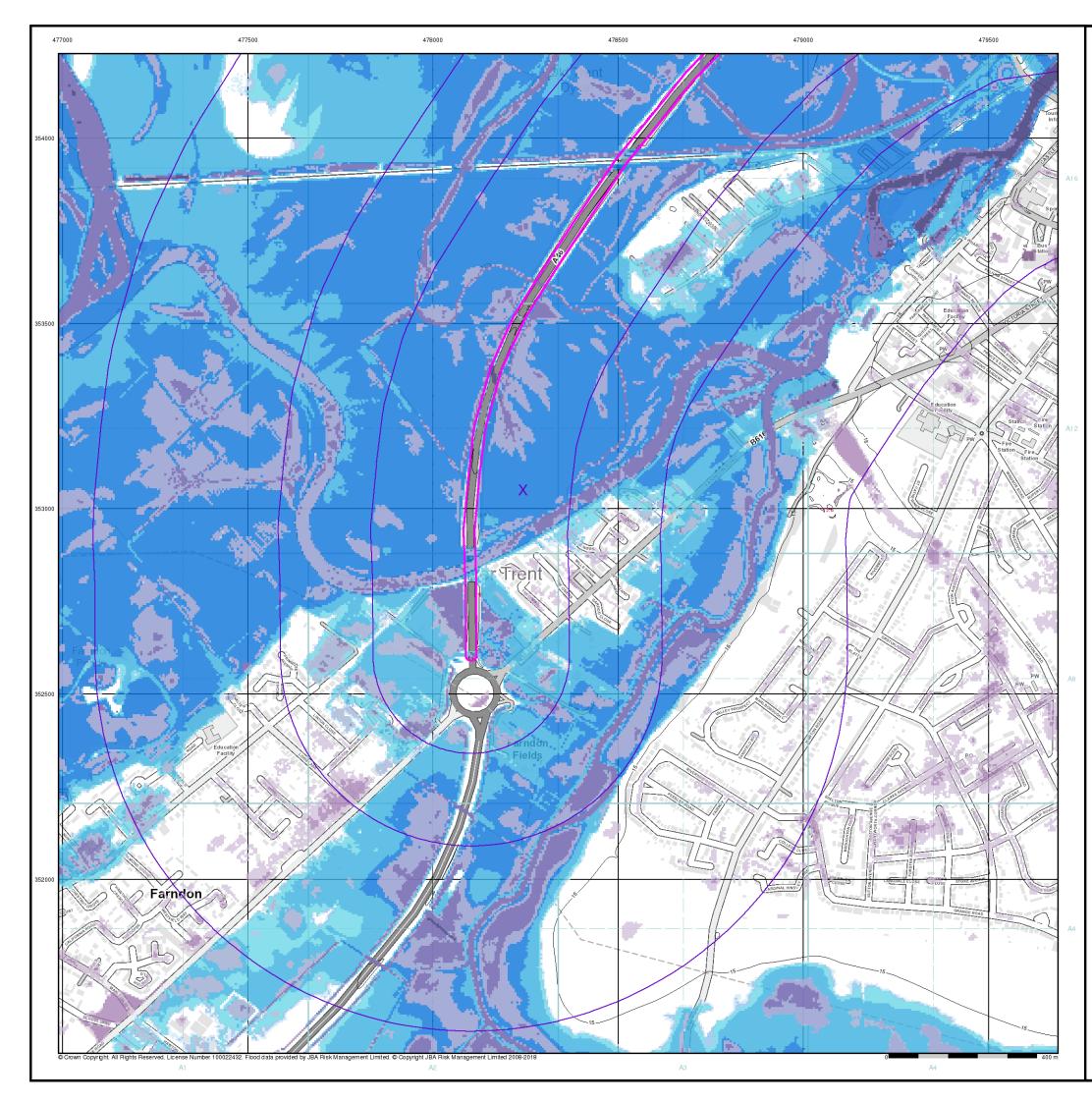


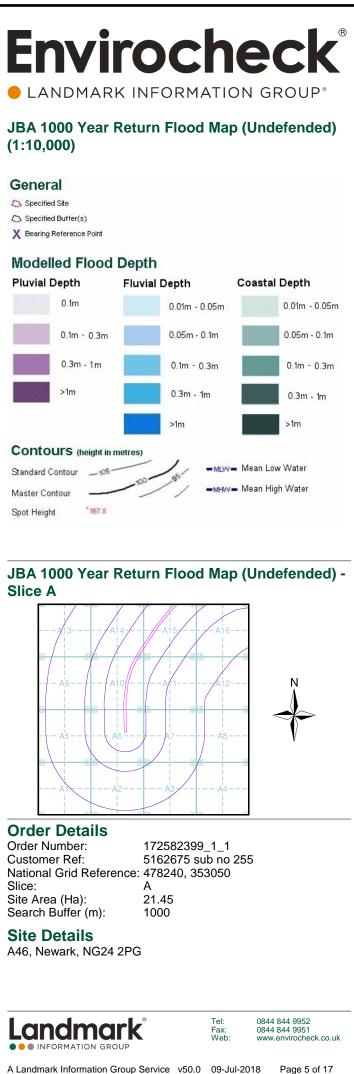


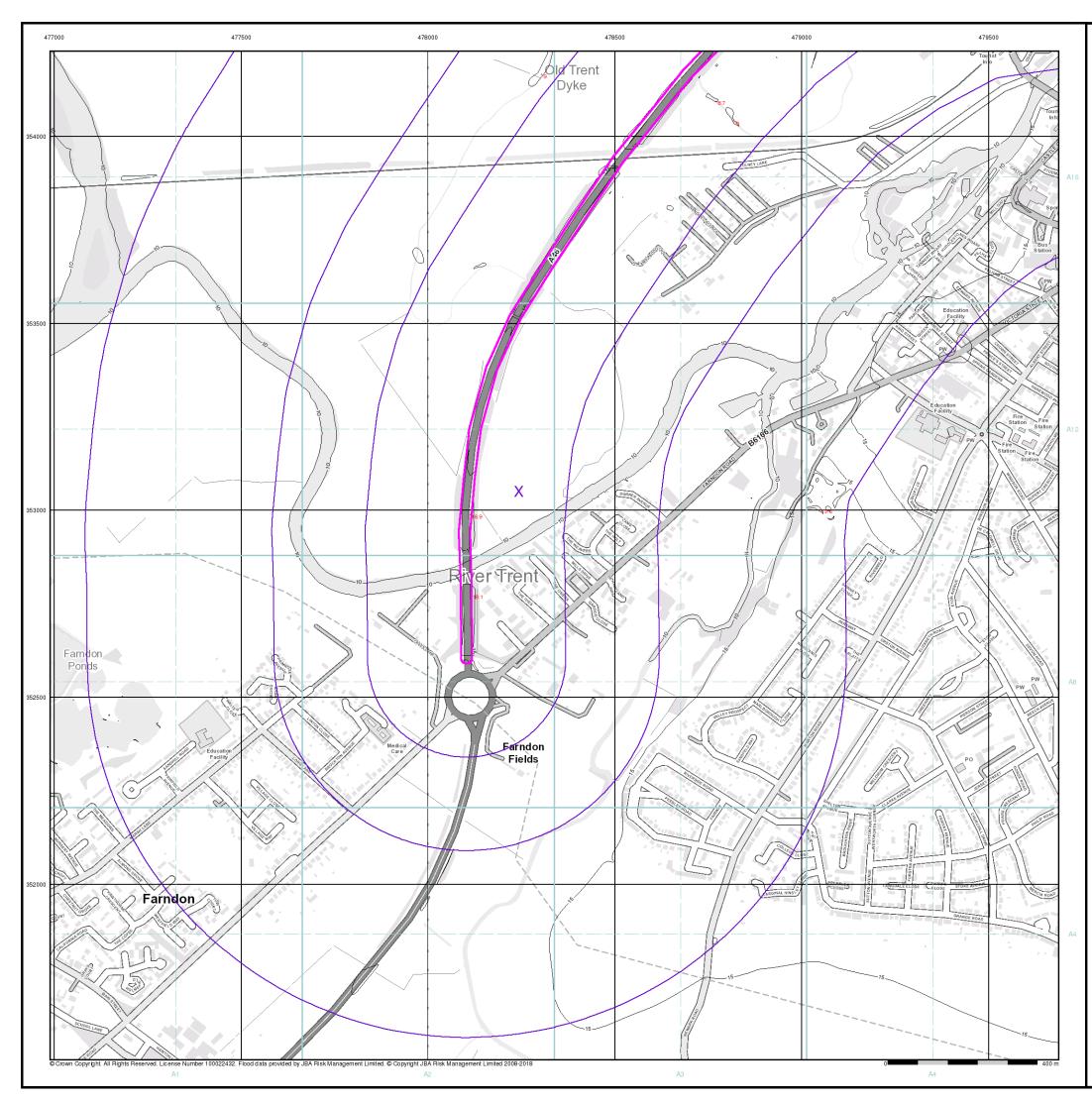
INFORMATION GROUI

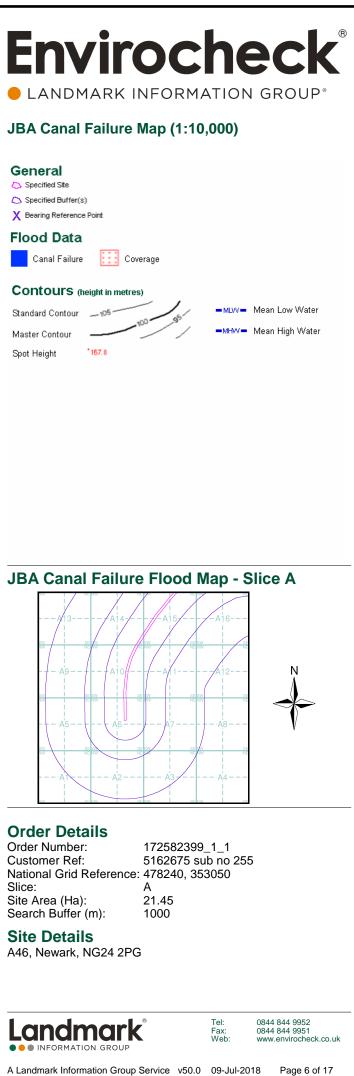


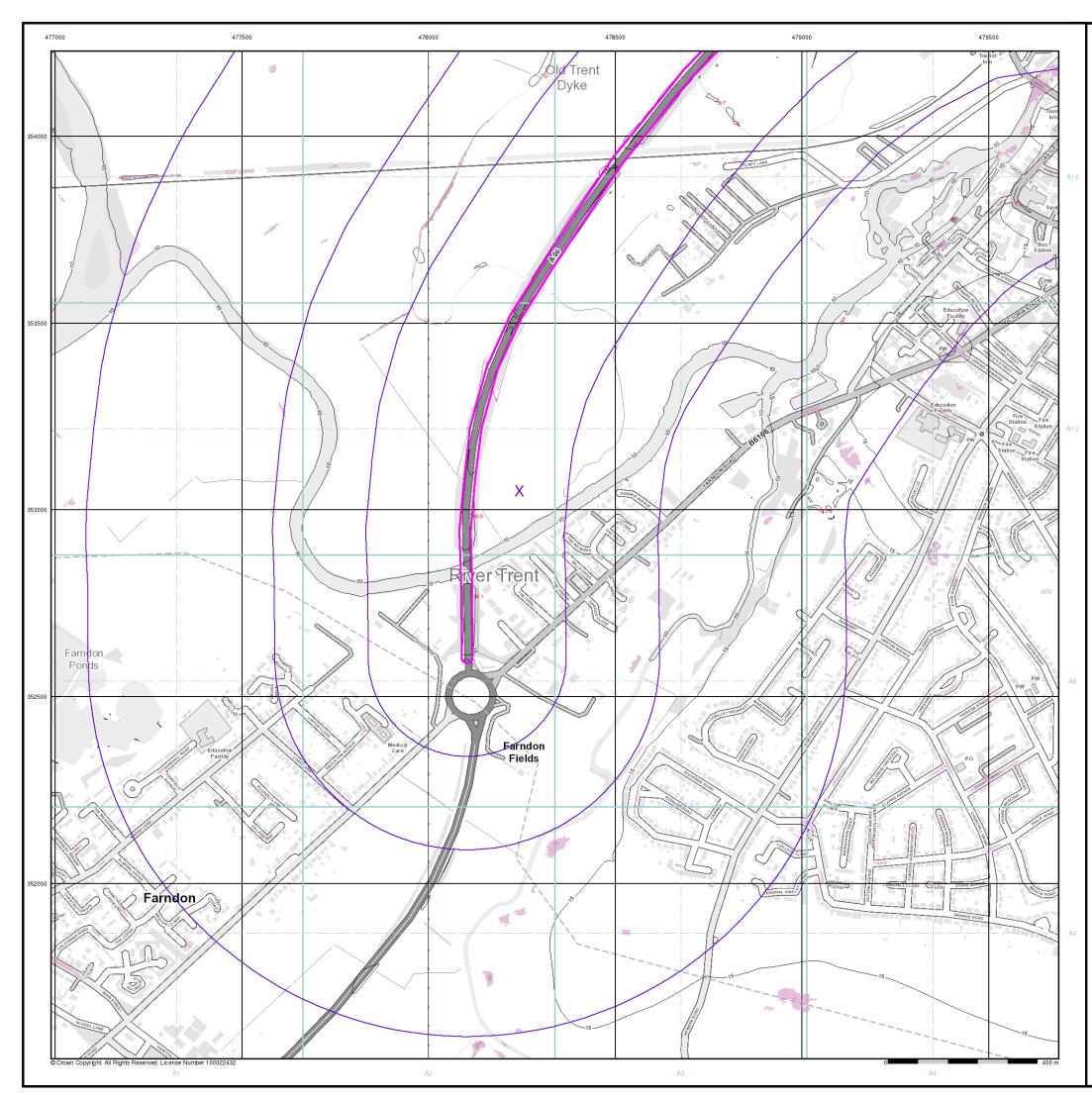


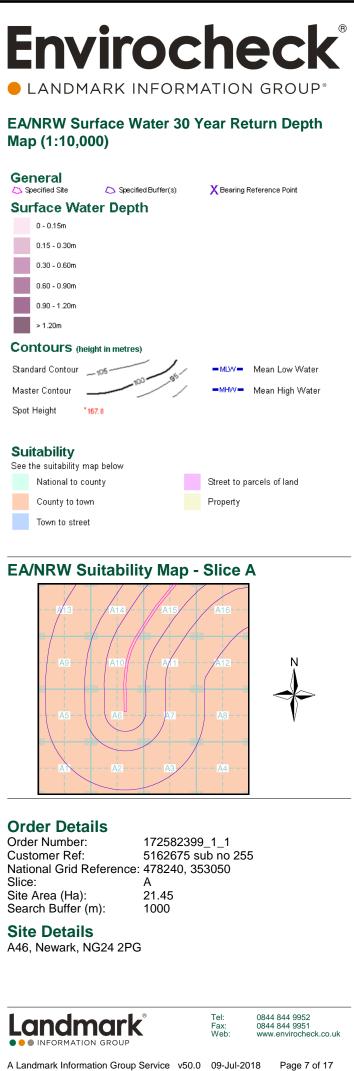


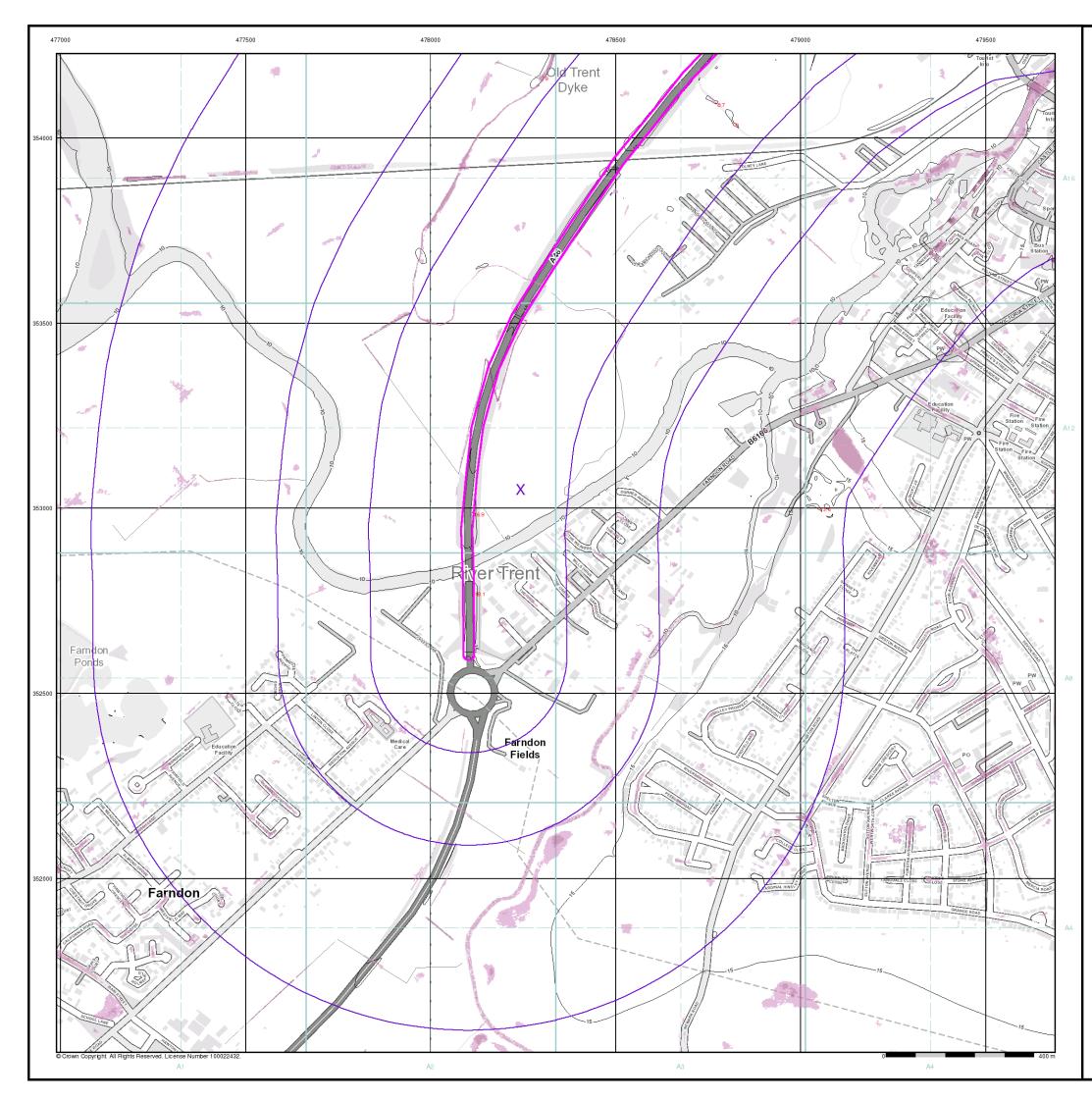




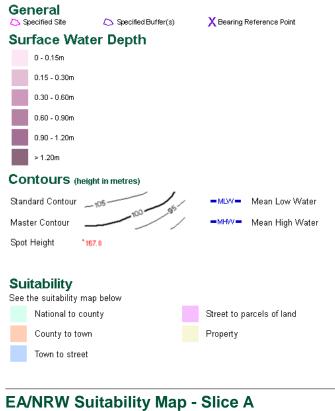


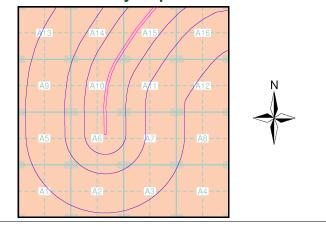






Envirocheck[®] LANDMARK INFORMATION GROUP[®] EA/NRW Surface Water 100 Year Return Depth Мар





Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

А 21.45 1000

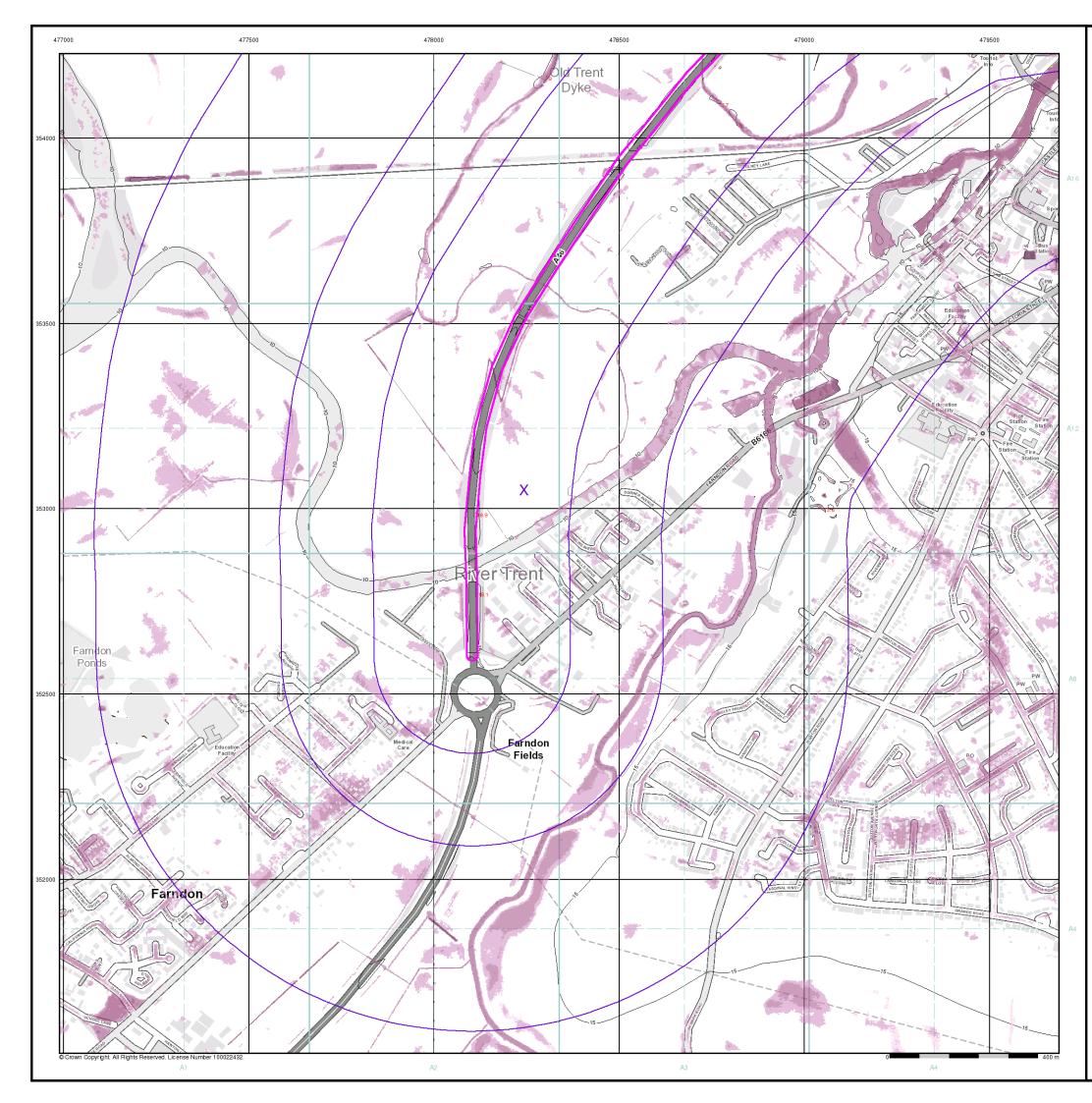
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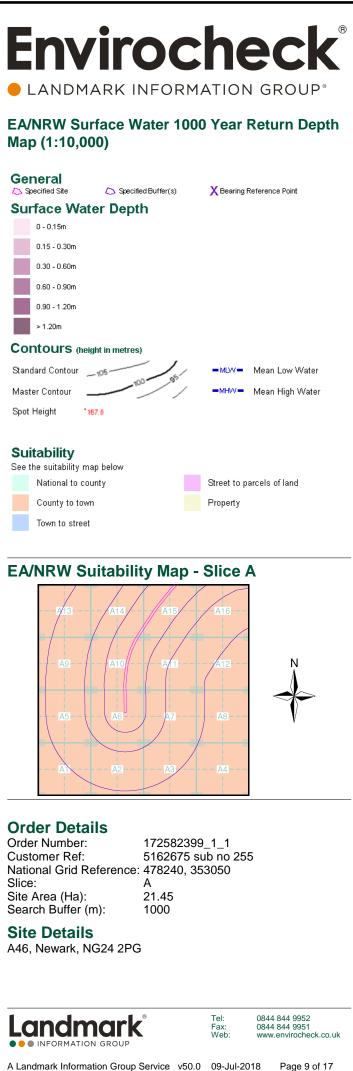


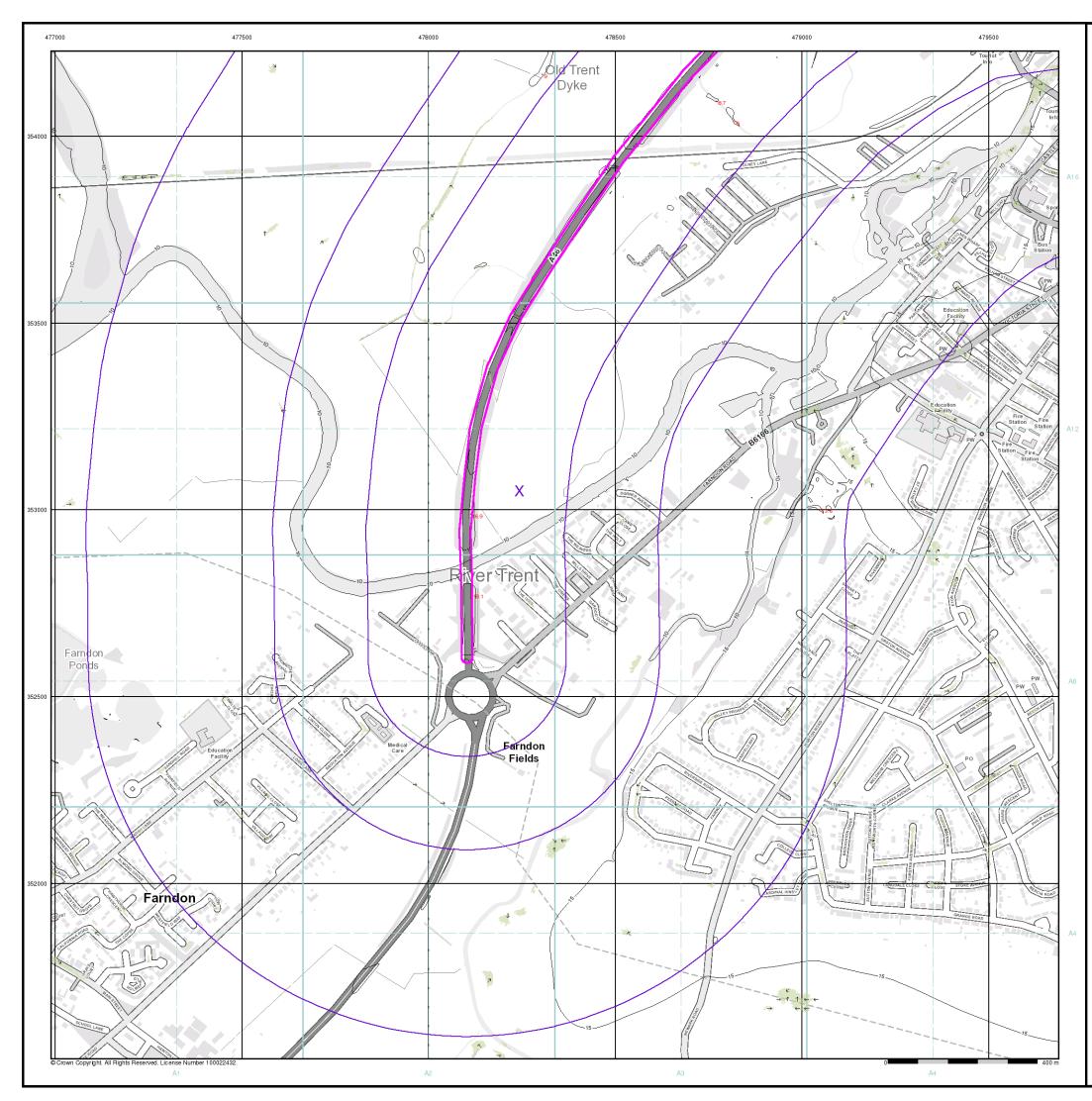
A46, Newark, NG24 2PG

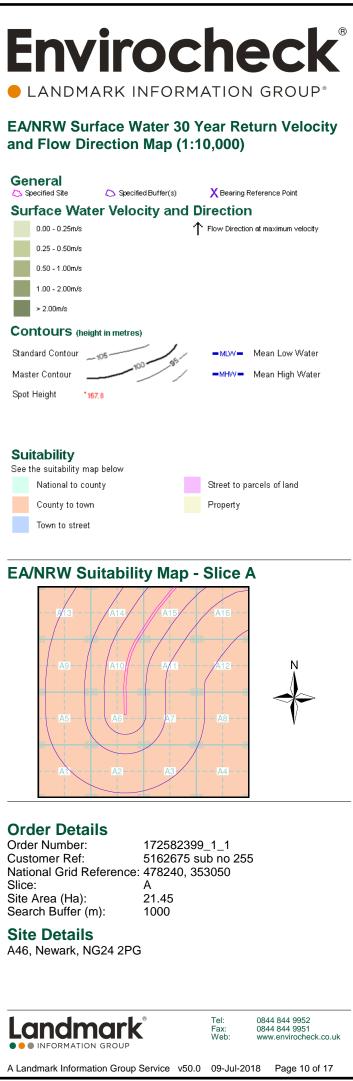


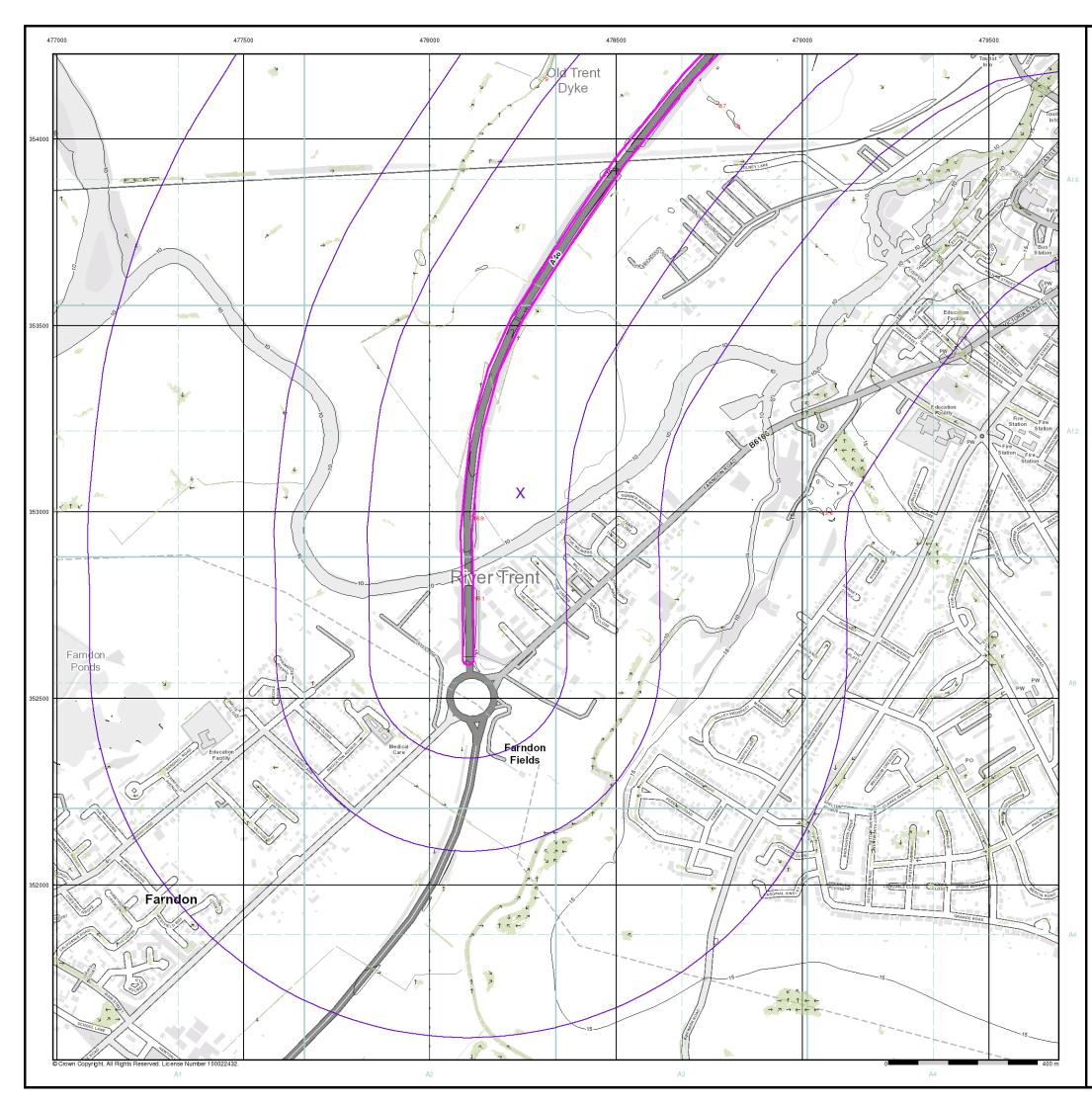


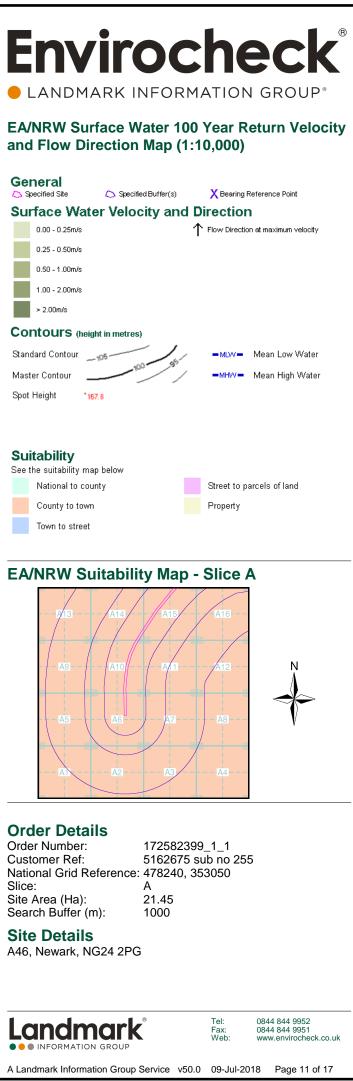


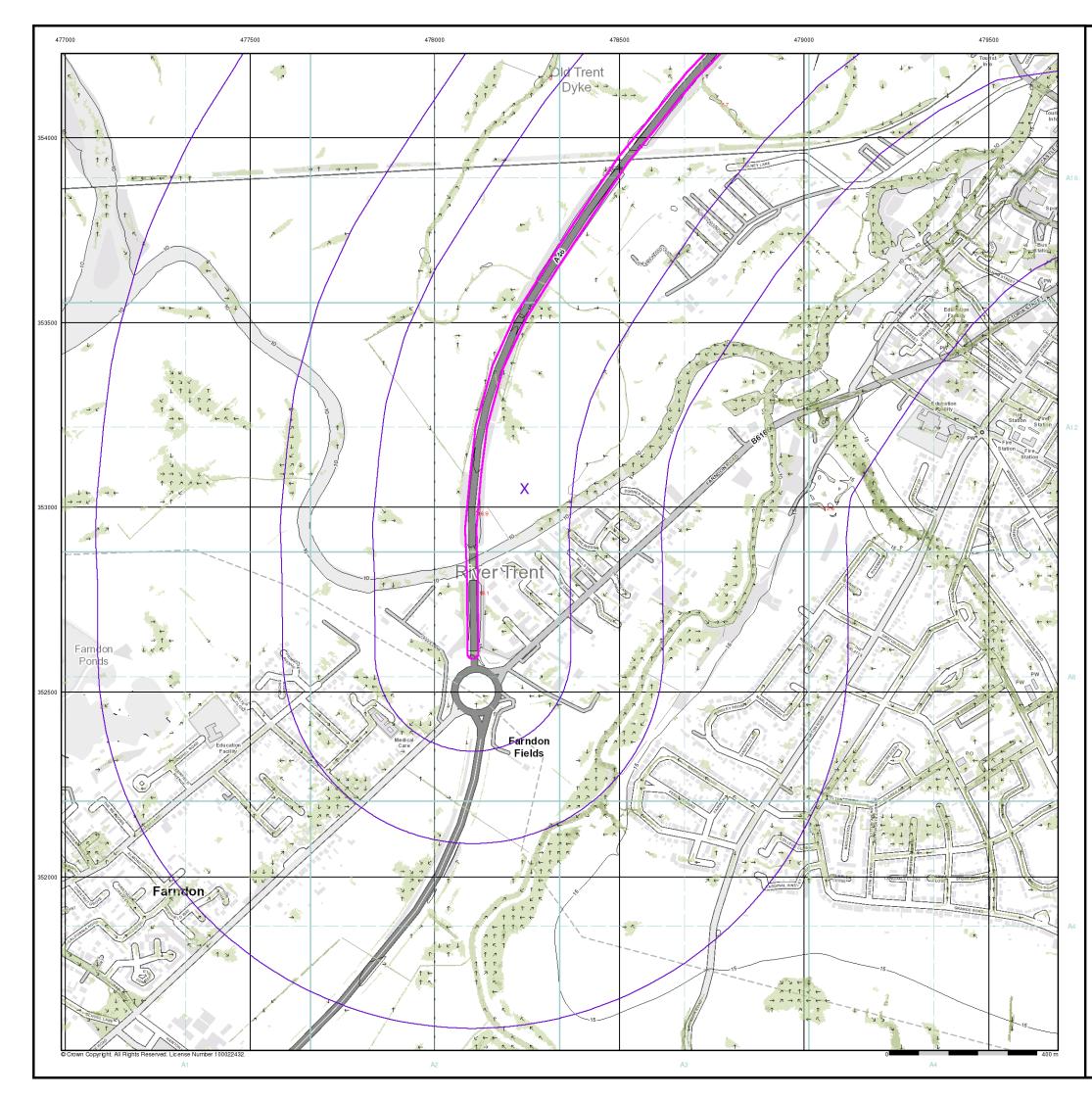


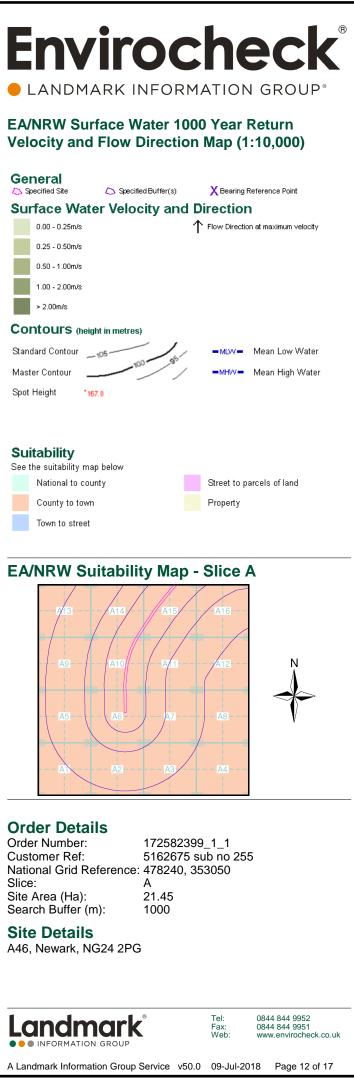


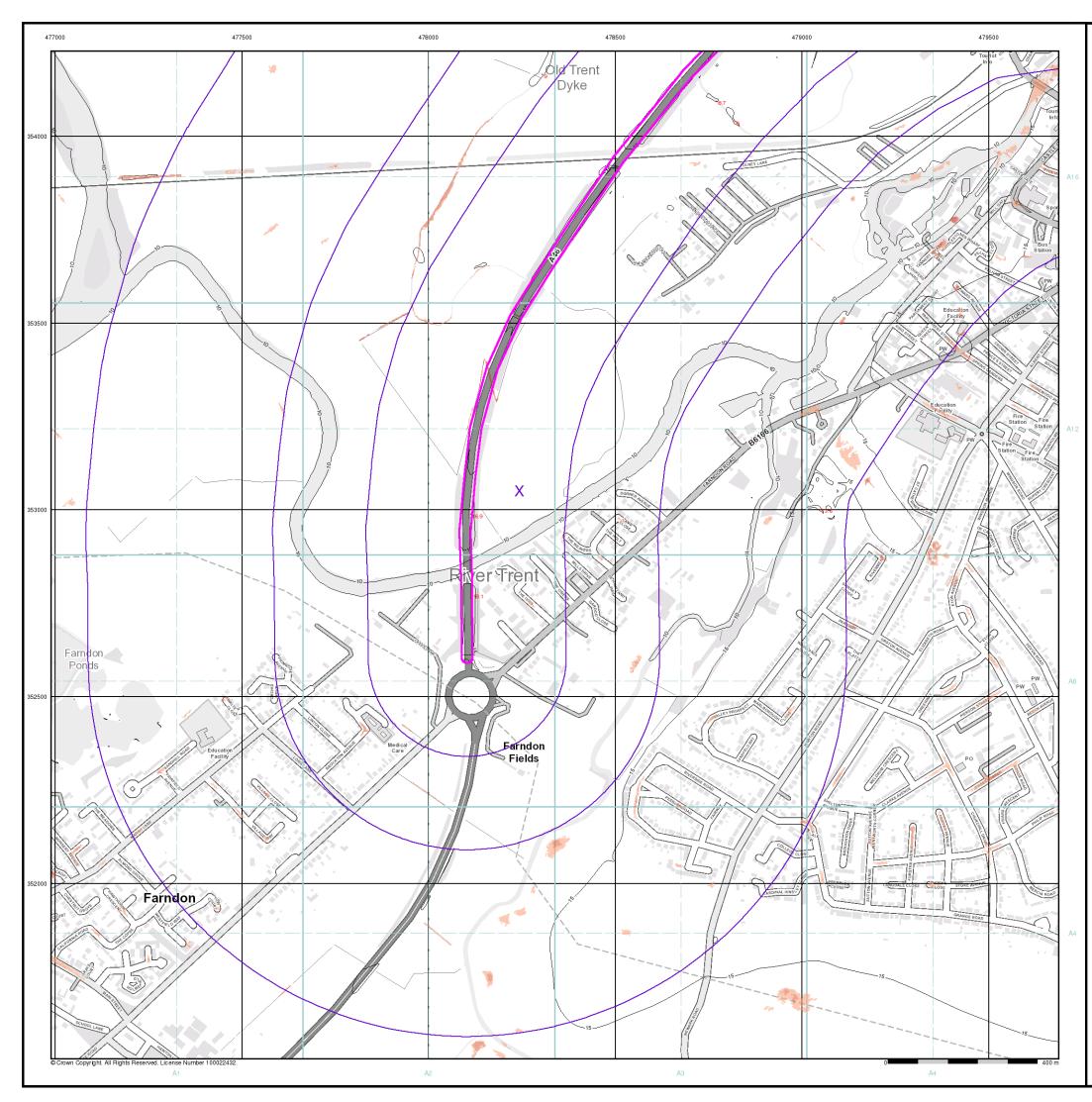


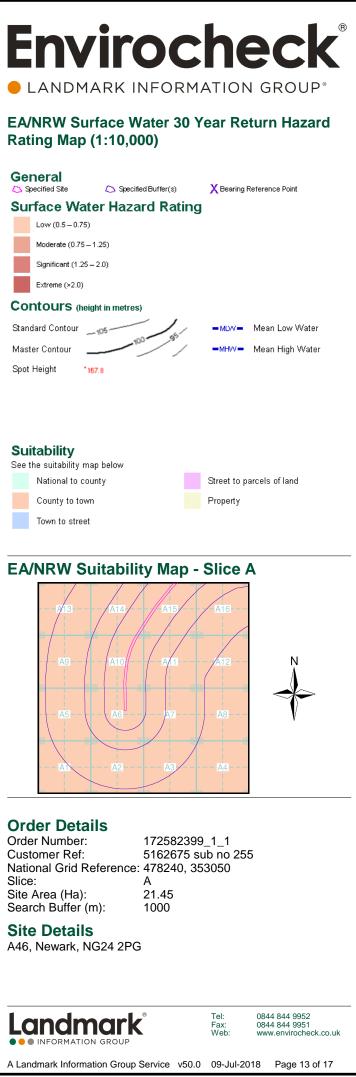


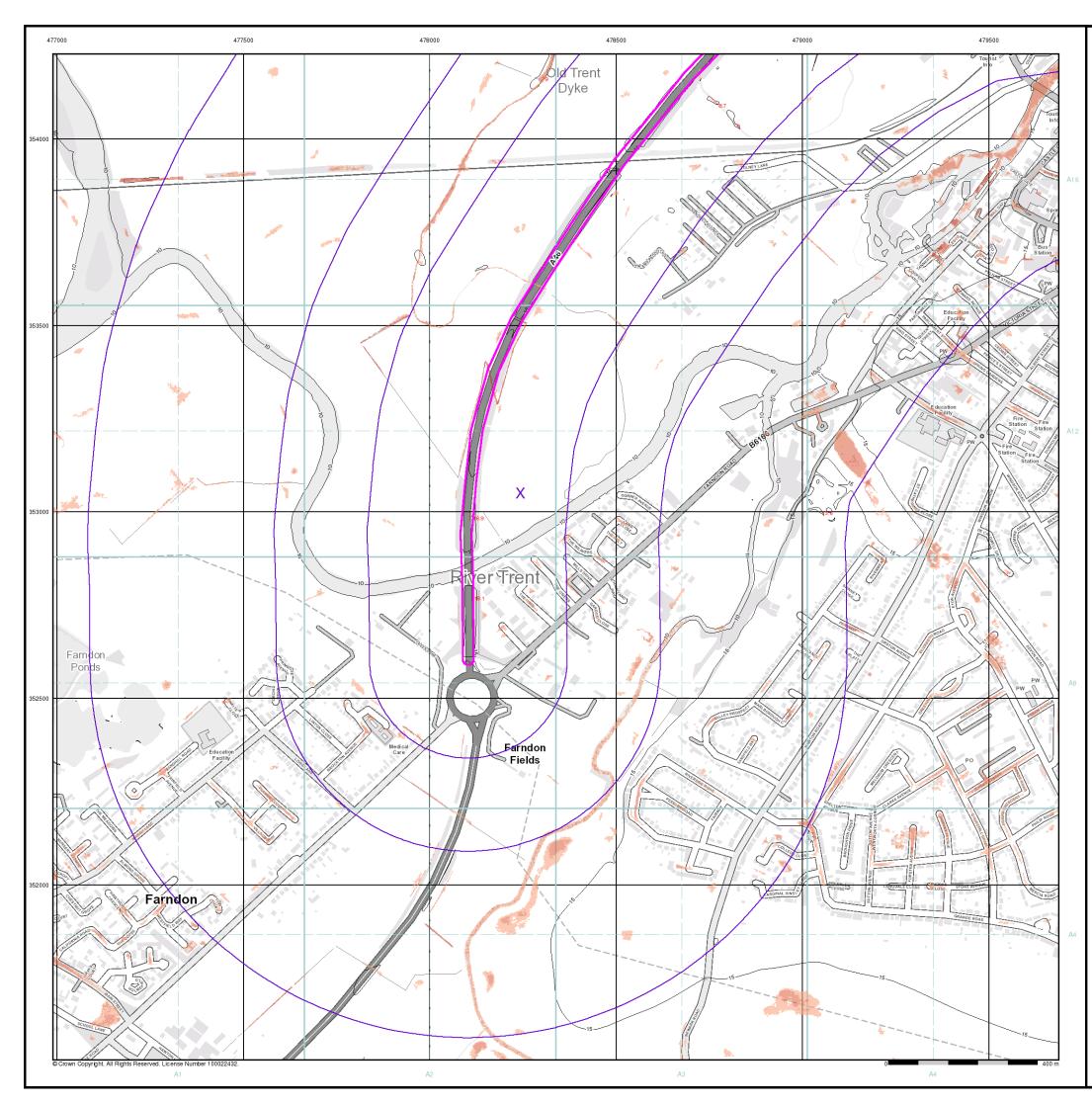


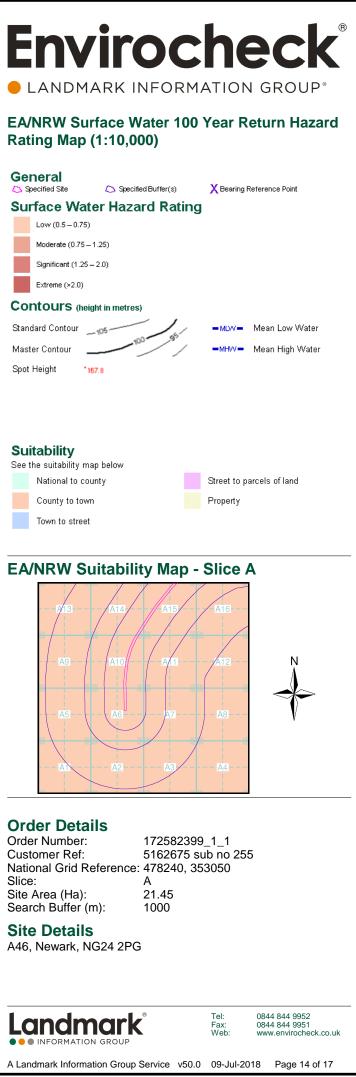


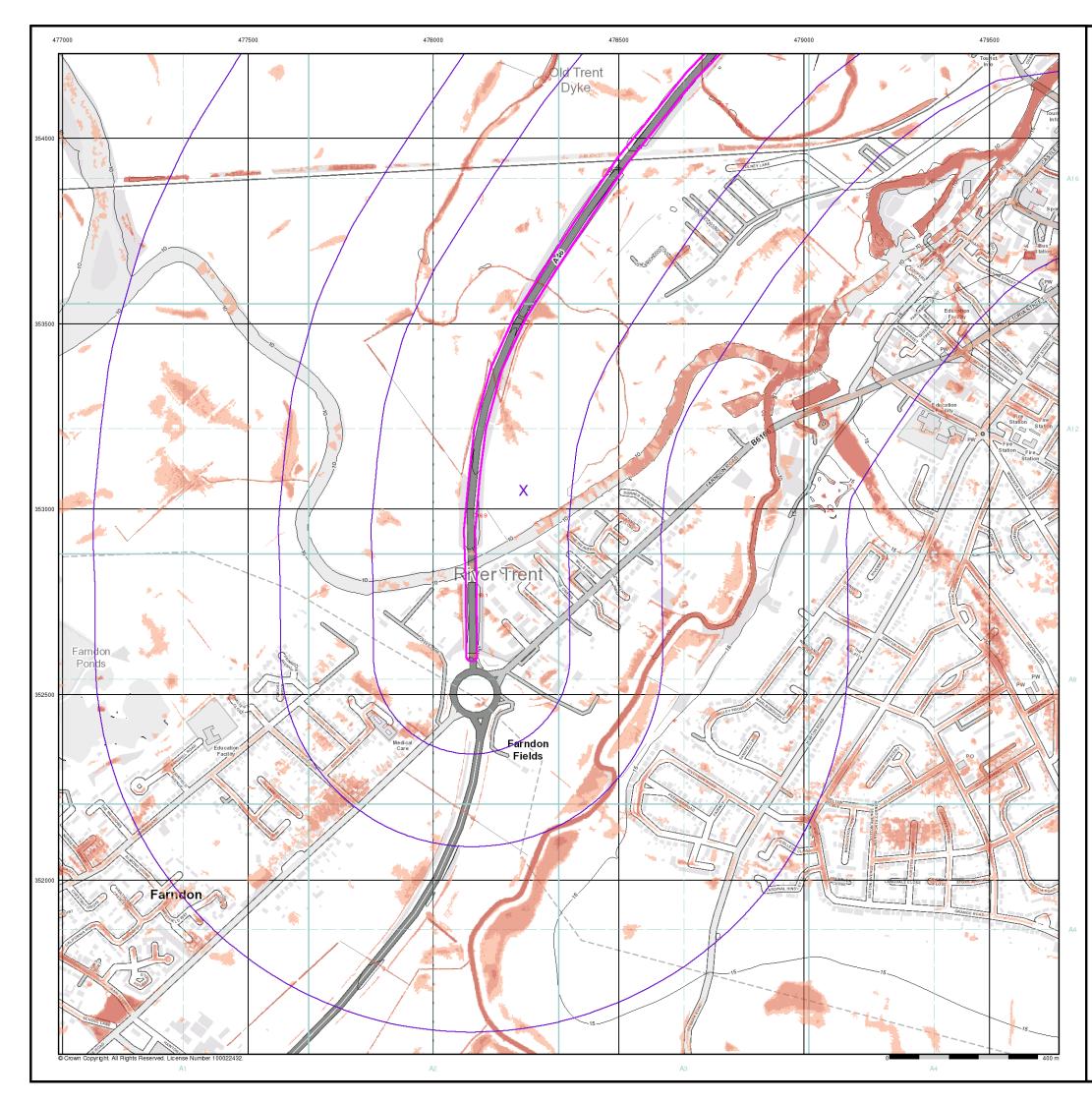


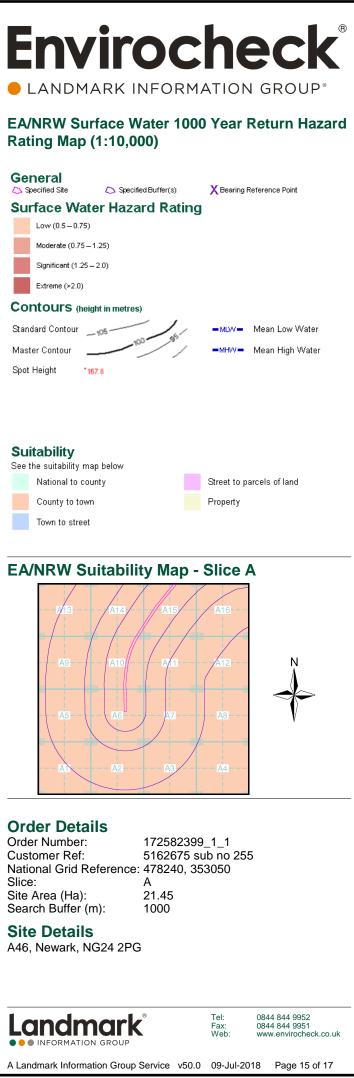


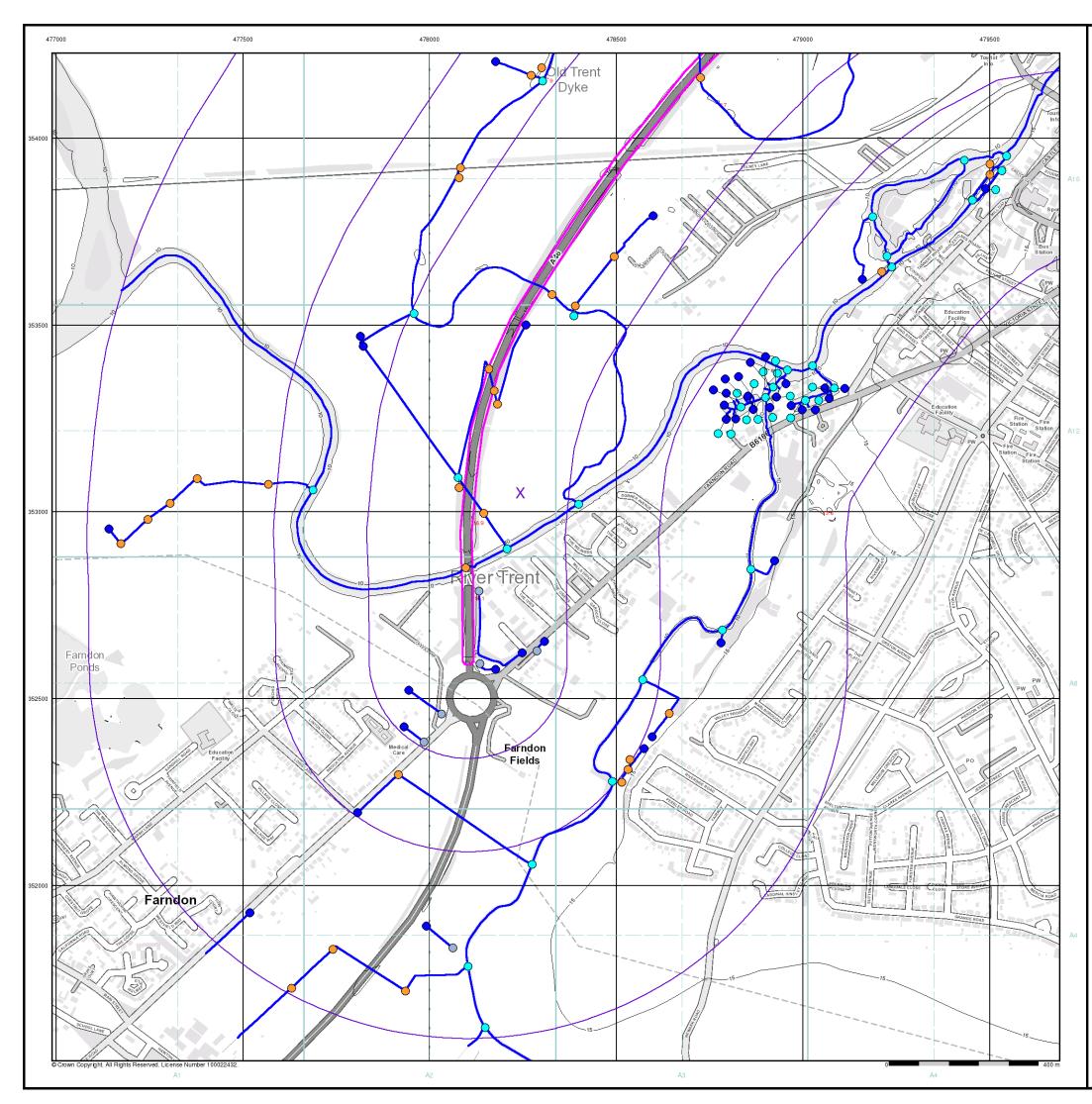


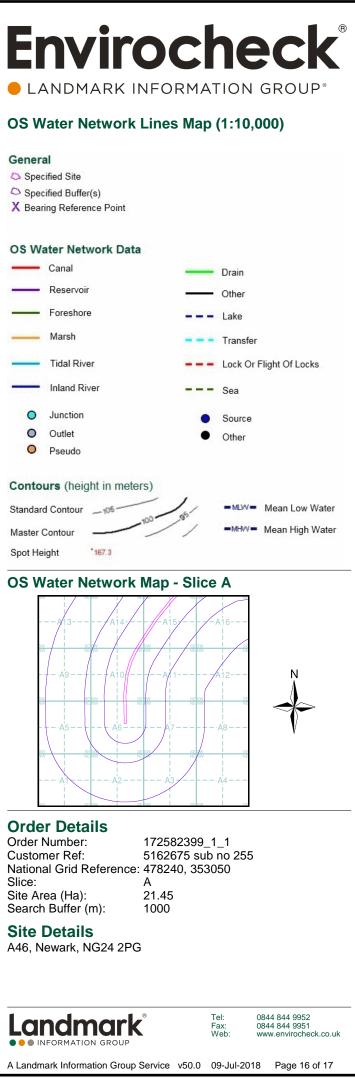


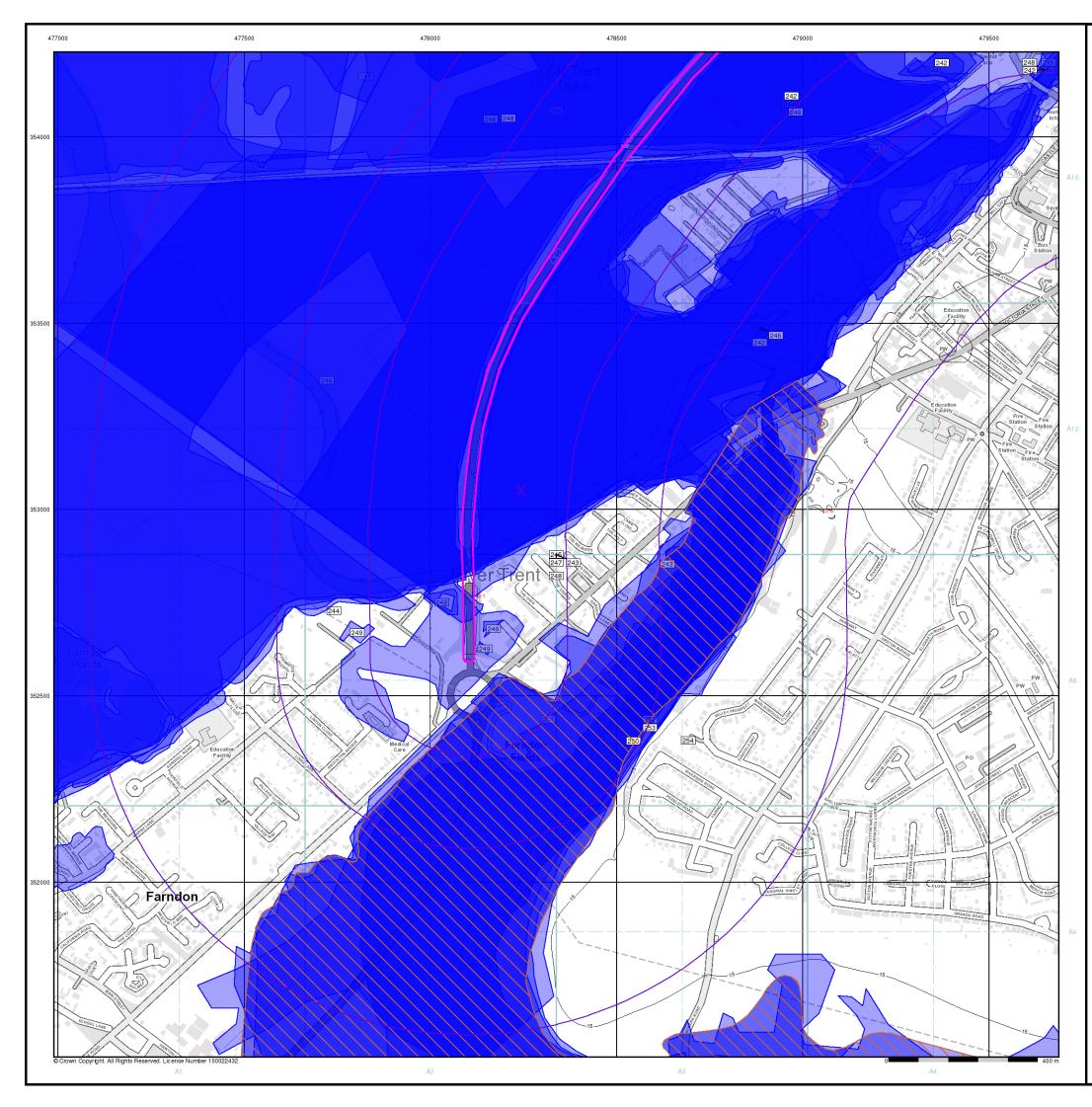


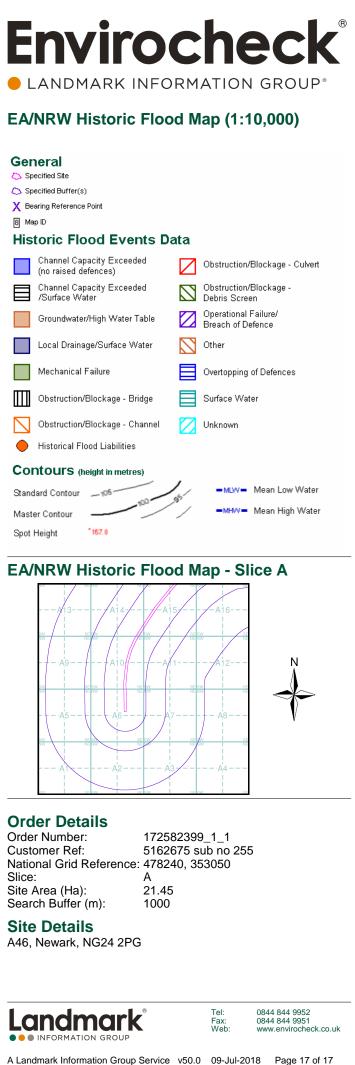


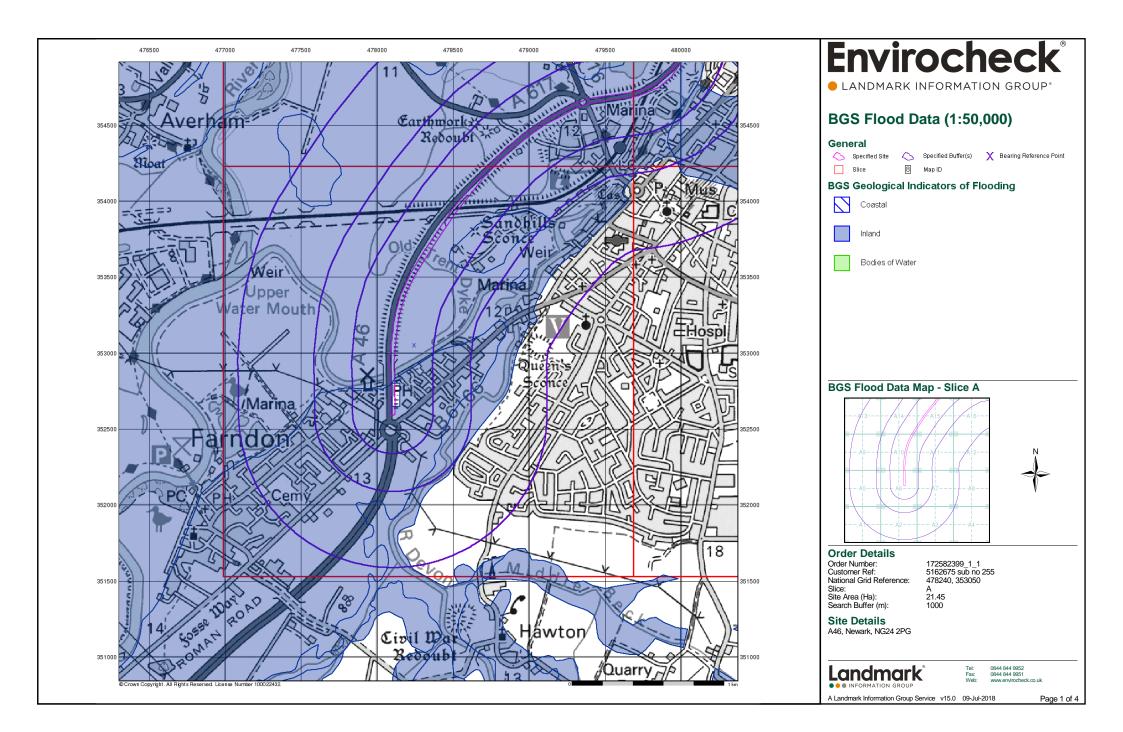


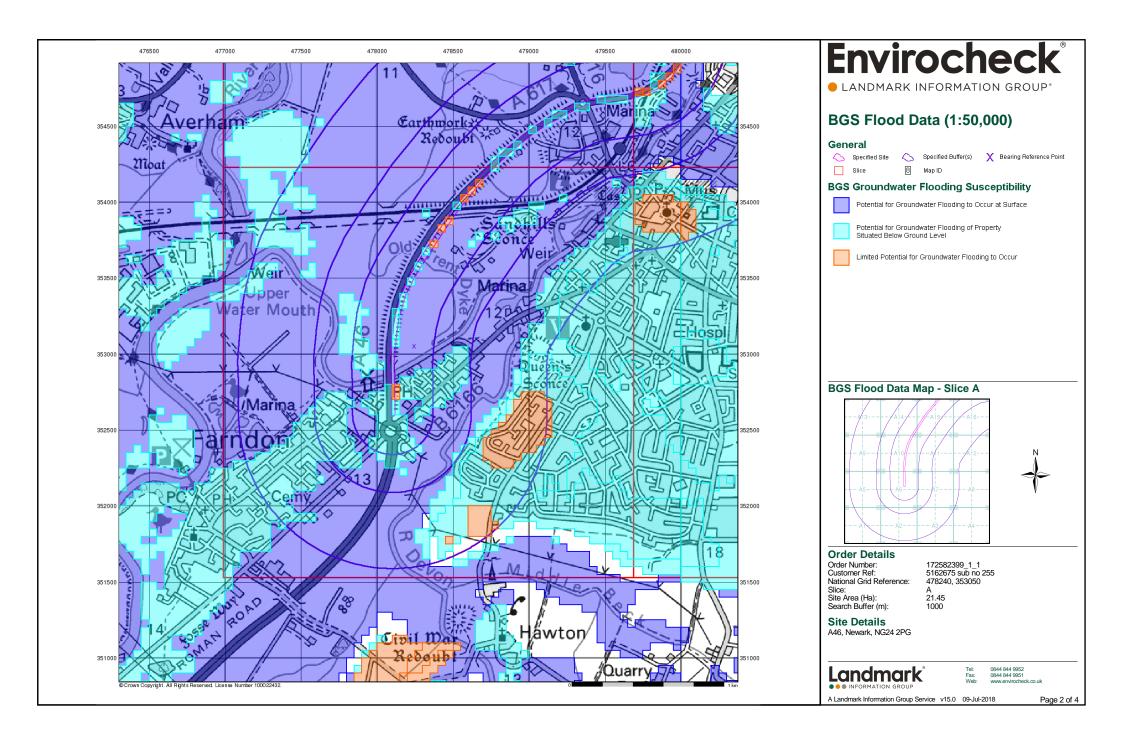


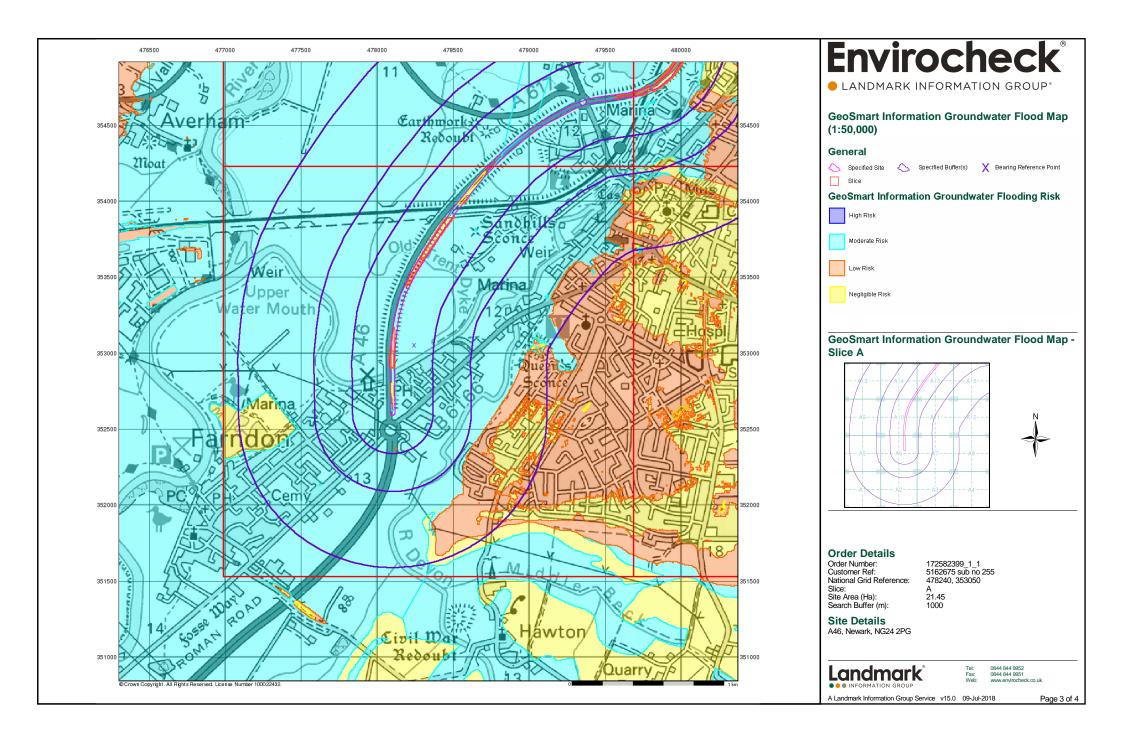


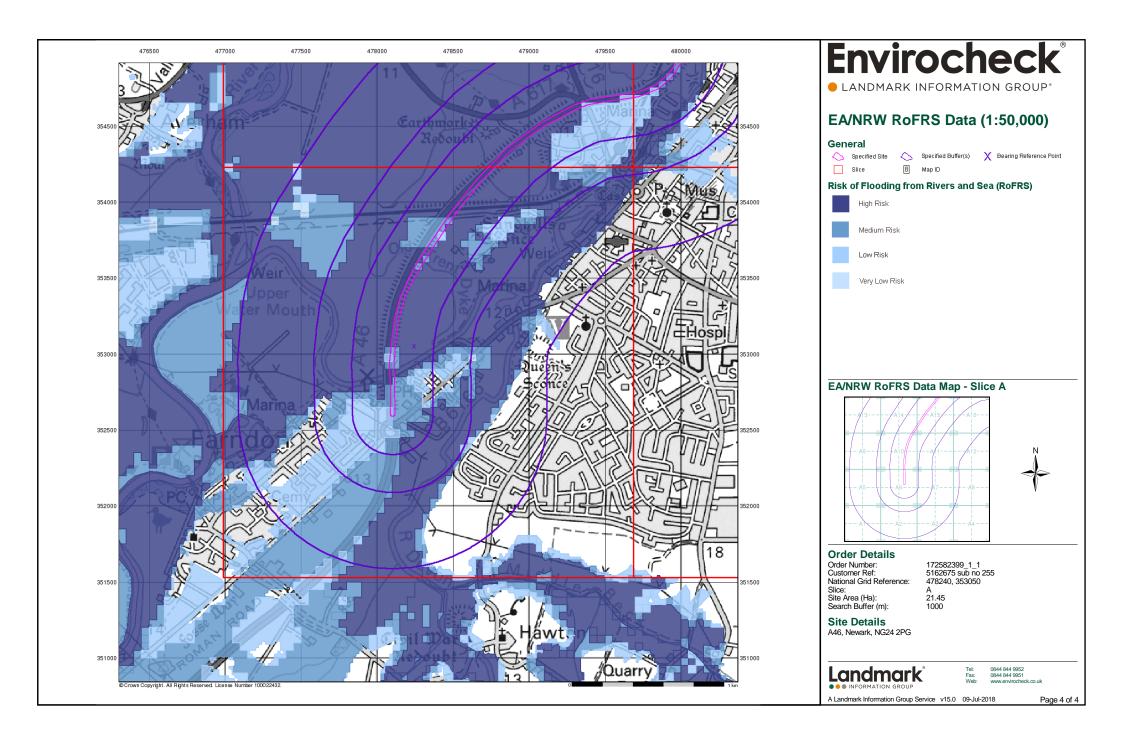


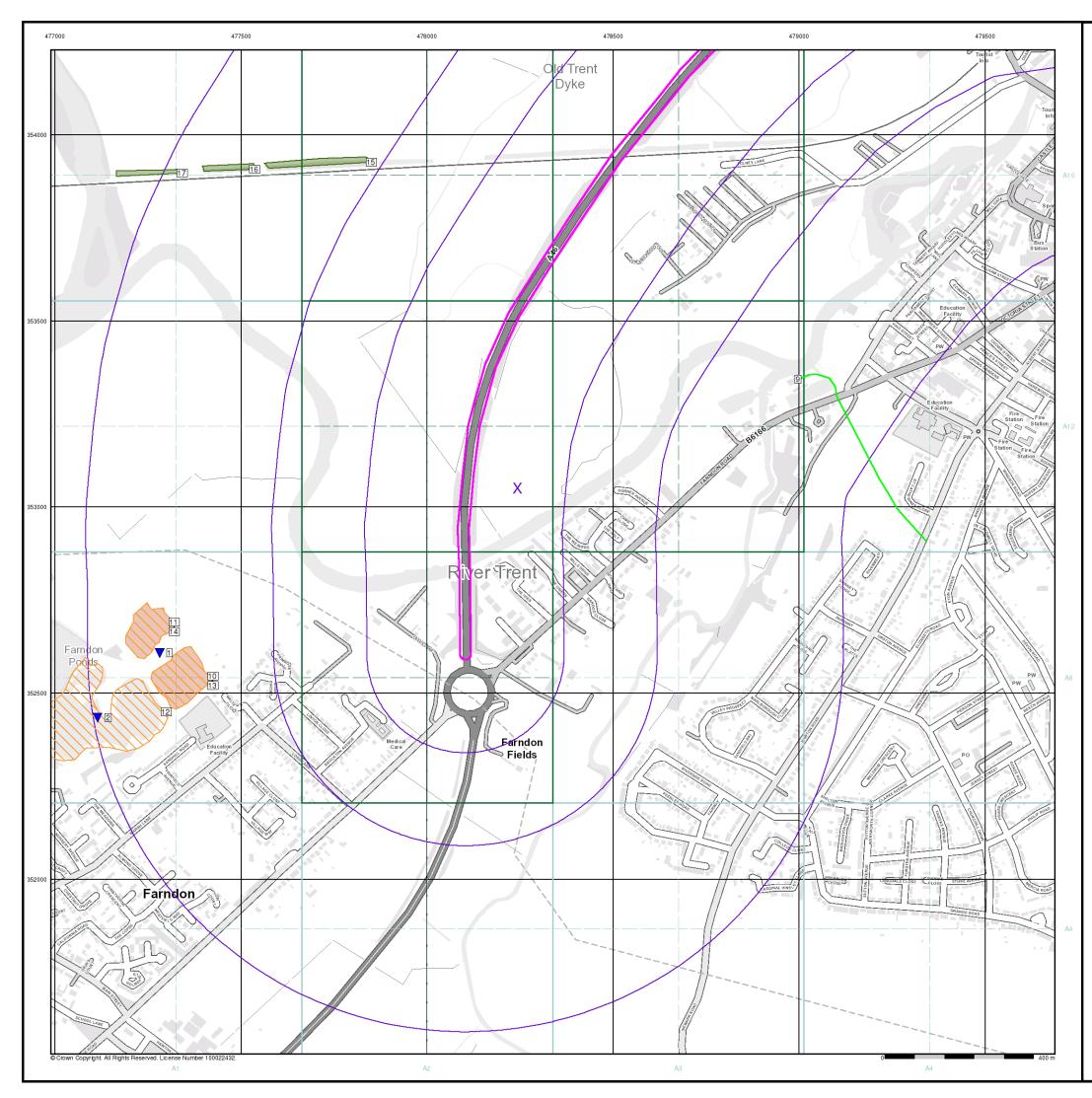












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Historical Land Use Information (1:10,000)

General

🖒 Specified Site 🛆 Specified Buffer(s) 🕺 Bearing Reference Point 🛽 🛽 Map ID Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

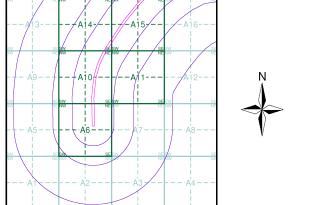
uses - wiining)	Point	Line	Polygon
Air Shafts	\diamond		
Disturbed Ground	•		
General Quarrying	•		
Heap, unknown constituents	•		ΕZ2
Mineral Railway	♦		
Mining and Quarrying General	•		
Mining of Coal & Lignite	♦		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	♦		
Historical Land Use	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	•		
Potentially Infilled Land (Water)	•		
Former Marsh	⊮		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

А 21.45 1000

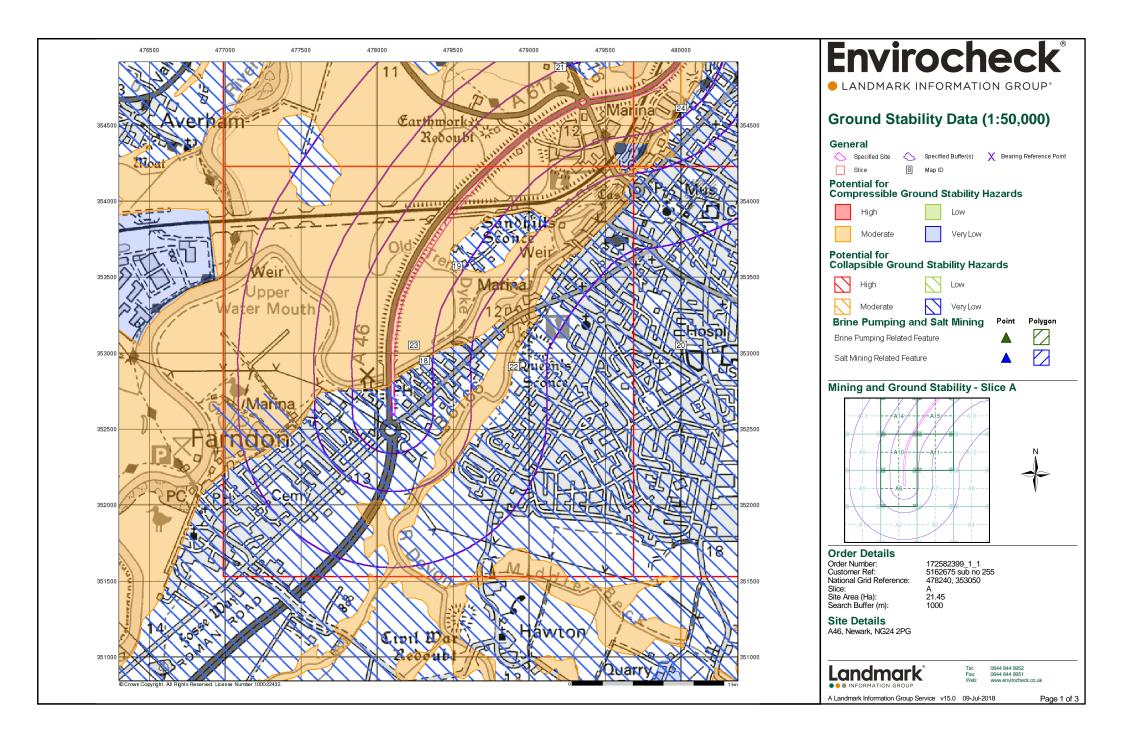
Tel: Fax: Web:

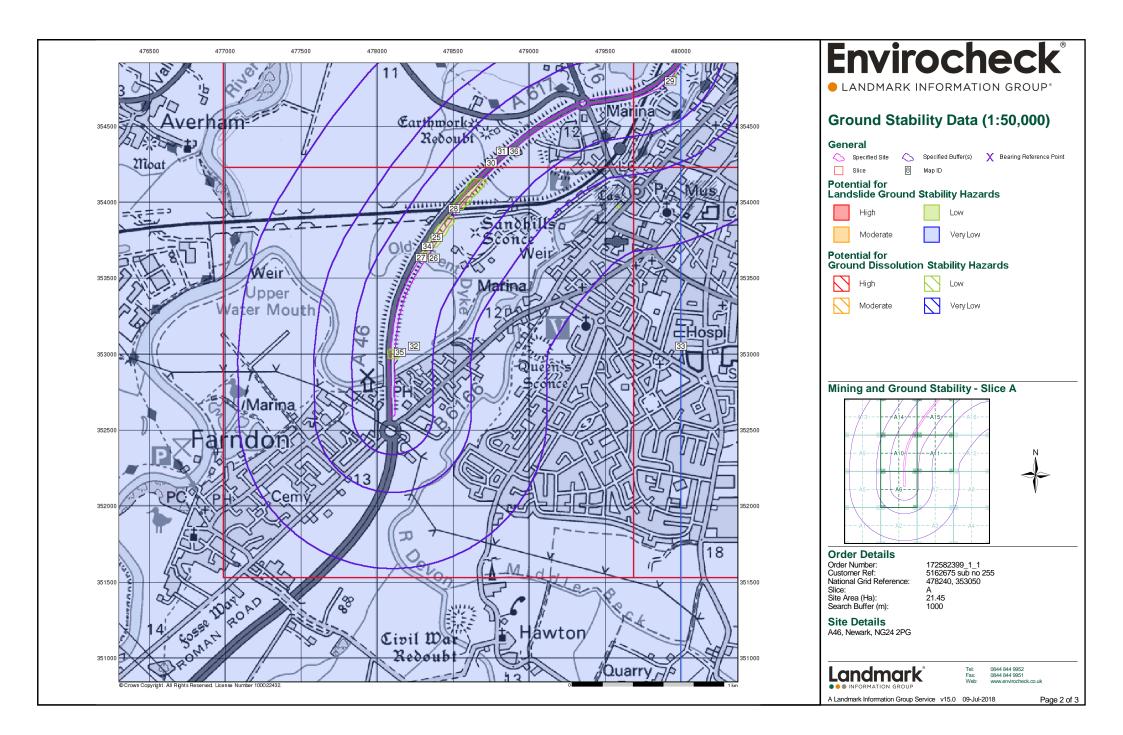


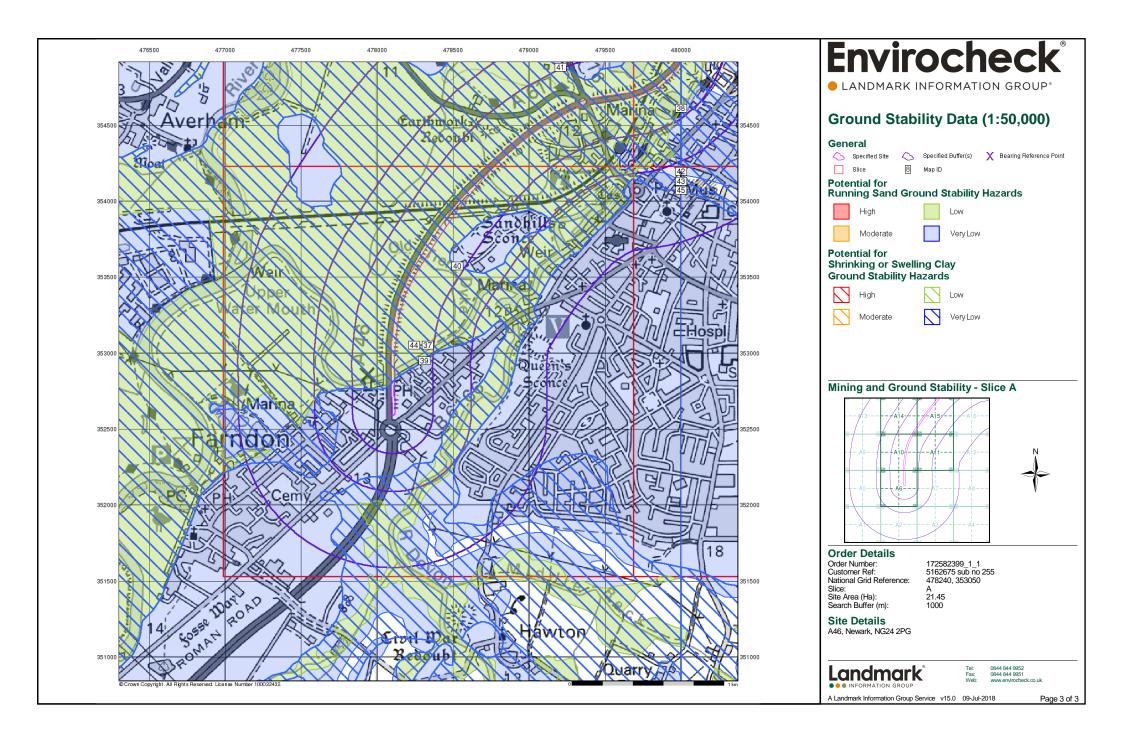
A46, Newark, NG24 2PG

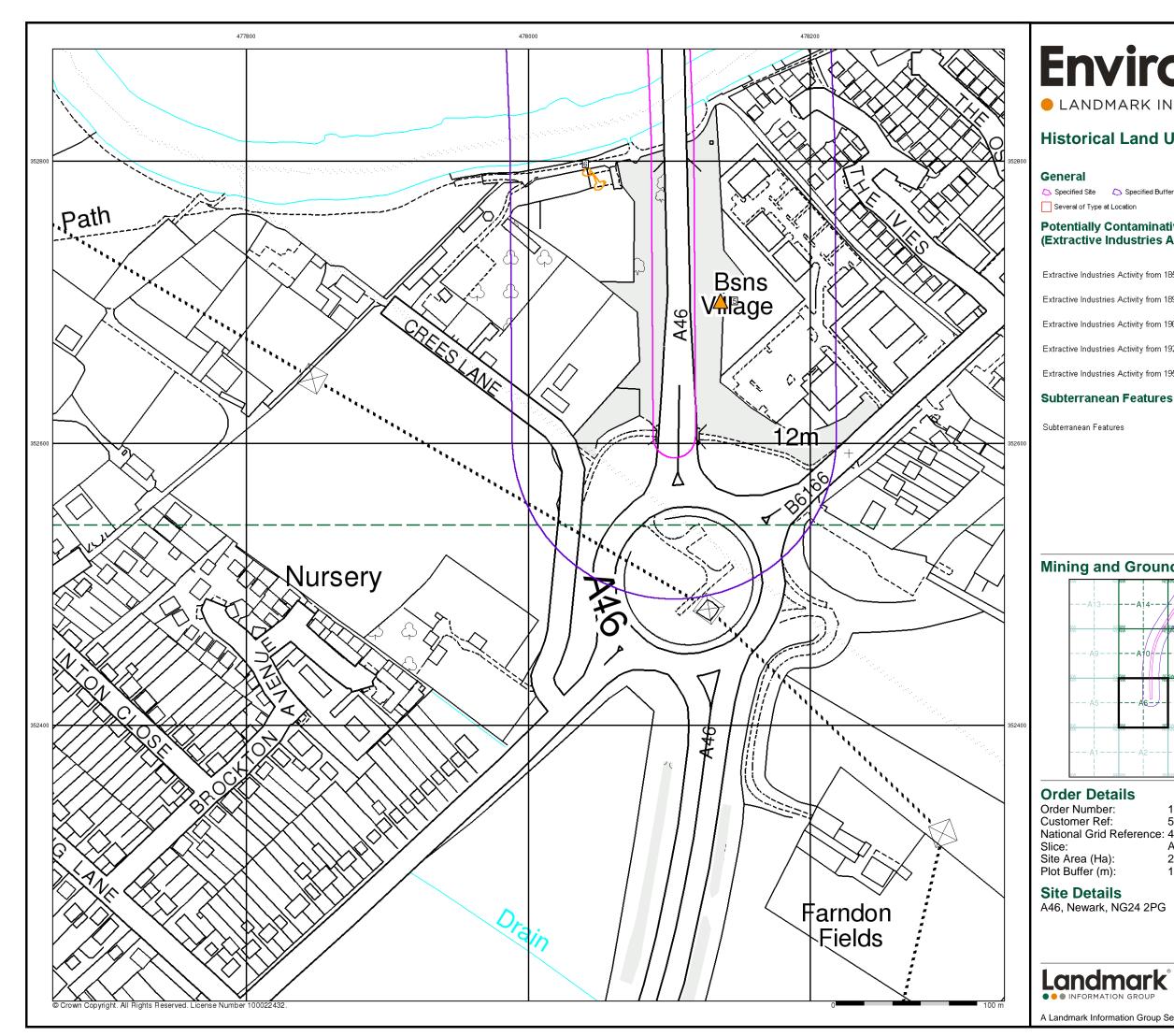












Envirocheck[®] LANDMARK INFORMATION GROUP* Historical Land Use Information (1:2,500) General 🖒 Specified Site 🛛 C Specified Buffer(s) 🕺 K Bearing Reference Point 🛽 Map ID Several of Type at Location Potentially Contaminative Industrial Uses (Extractive Industries Activity)

Extractive Industries Activity from 1855 - 1909

Extractive Industries Activity from 1893 - 1915

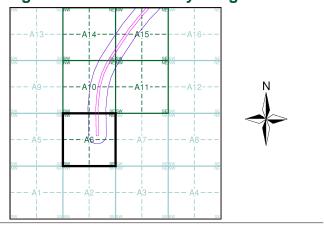
Extractive Industries Activity from 1906 - 1937

Extractive Industries Activity from 1924 - 1949

Extractive Industries Activity from 1950 - 1980

Subterranean Features

Mining and Ground Stability - Segment A6



Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

А 21.45 100





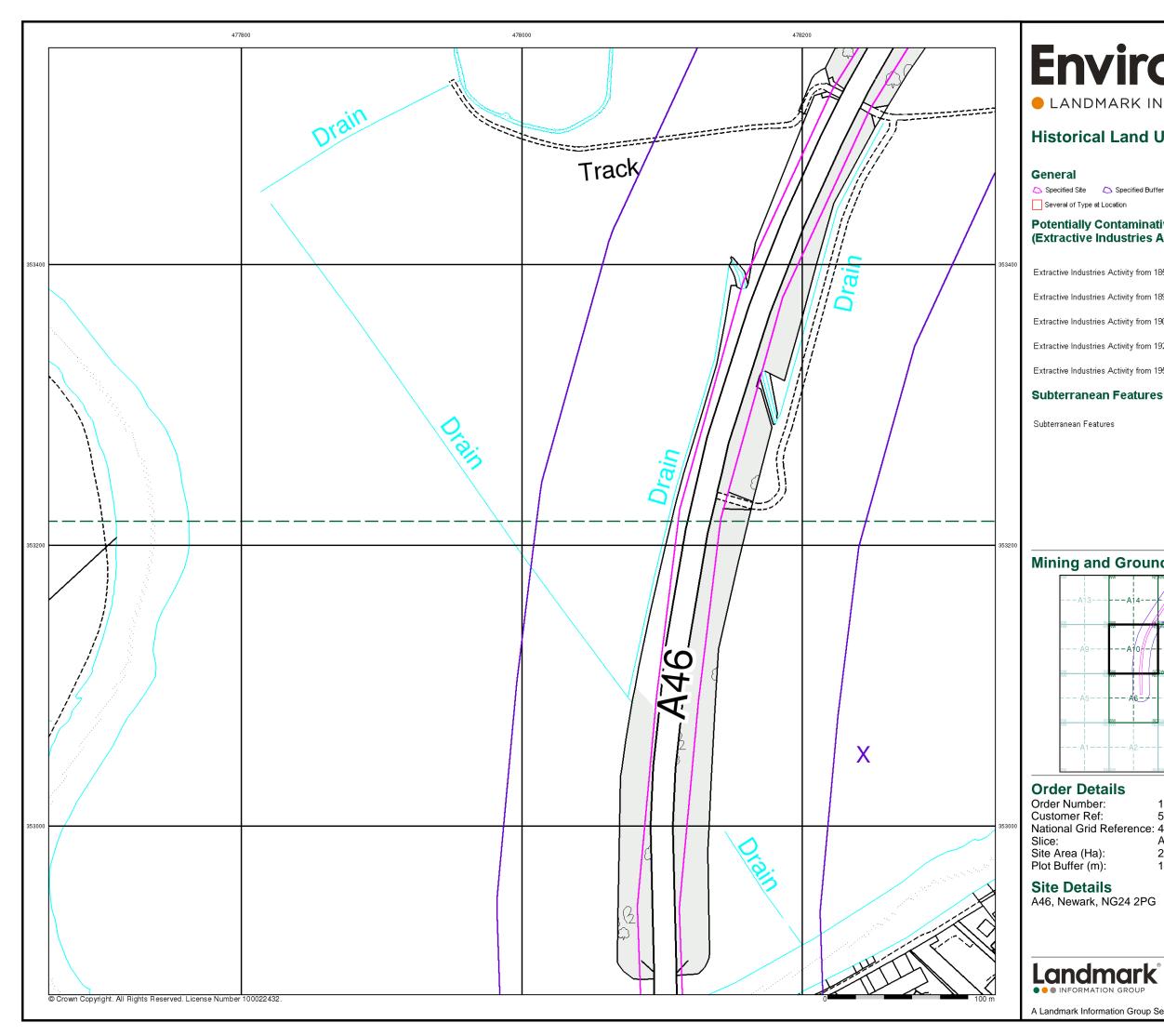
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Envirocheck[®] LANDMARK INFORMATION GROUP* Historical Land Use Information (1:2,500) General 🖒 Specified Site 🛛 C Specified Buffer(s) 🕺 K Bearing Reference Point 🛽 Map ID Several of Type at Location Potentially Contaminative Industrial Uses (Extractive Industries Activity) Line Polyaor Extractive Industries Activity from 1855 - 1909 \Box Extractive Industries Activity from 1893 - 1915

Extractive Industries Activity from 1906 - 1937

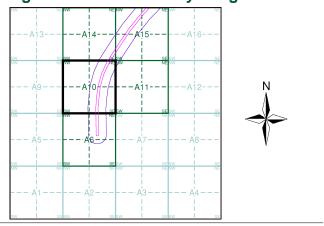
Extractive Industries Activity from 1924 - 1949 Extractive Industries Activity from 1950 - 1980

Subterranean Features

 \square

Polygor

Mining and Ground Stability - Segment A10



Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

А 21.45 100

Tel: Fax:

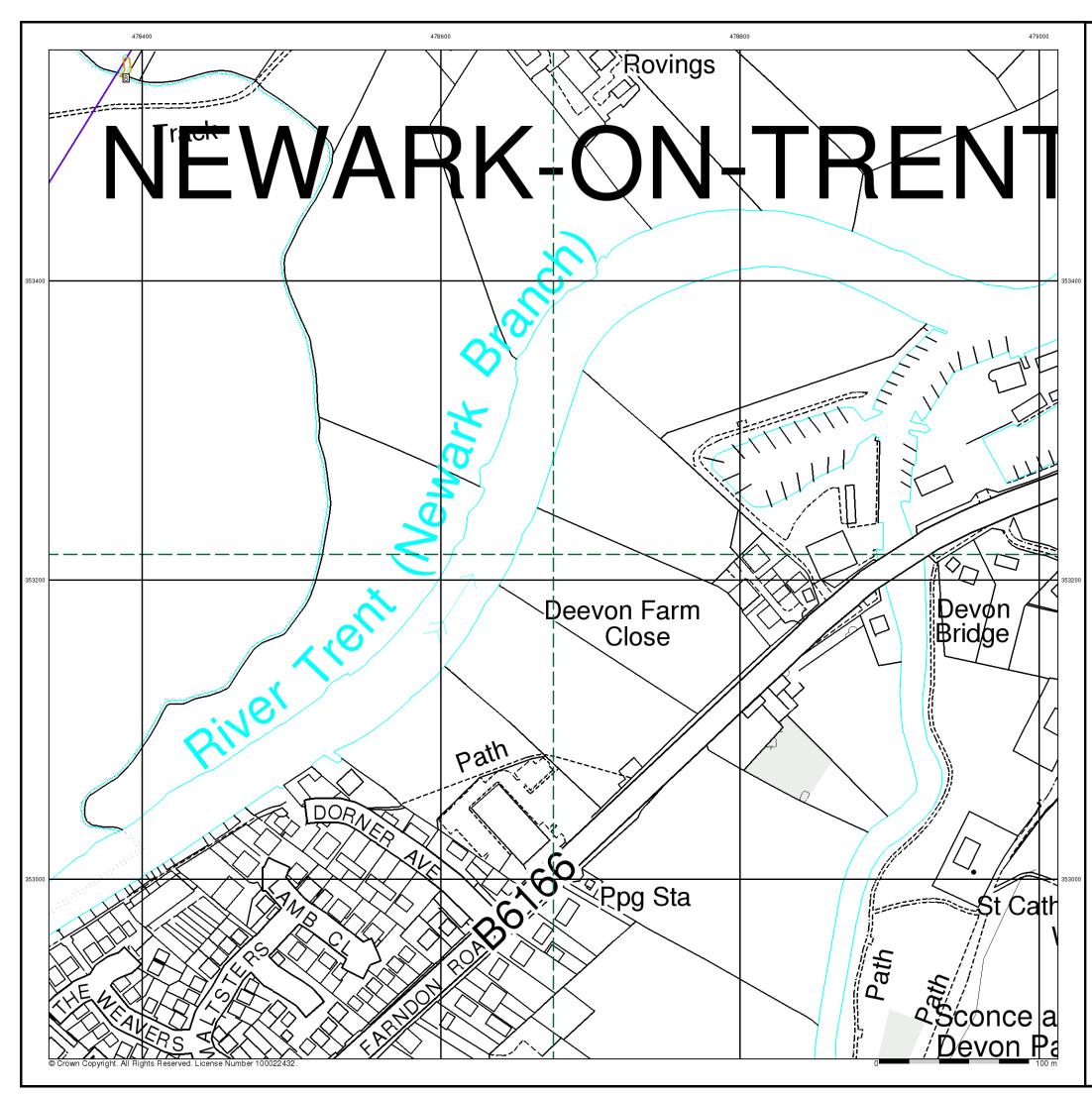
Web:

Site Details A46, Newark, NG24 2PG



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A Landmark Information Group Service v50.0 09-Jul-2018 Page 2 of 10



Envirocheck[®] LANDMARK INFORMATION GROUP[®] Historical Land Use Information (1:2,500) General 🖒 Specified Site 🔿 Specified Buffer(s) 🗙 Bearing Reference Point 🛽 Map ID Several of Type at Location **Potentially Contaminative Industrial Uses** (Extractive Industries Activity) Extractive Industries Activity from 1855 - 1909

Extractive Industries Activity from 1893 - 1915

Extractive Industries Activity from 1906 - 193

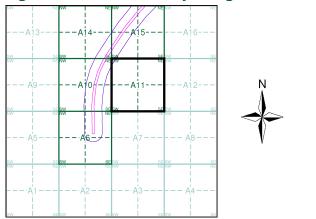
Extractive Industries Activity from 1924 - 1949 Extractive Industries Activity from 1950 - 1980

Subterranean Features

Subterranean Features

 \square

Mining and Ground Stability - Segment A11



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Plot Buffer (m):

172582399_1_1 5162675 sub no 255 Α 21.45 100

Tel

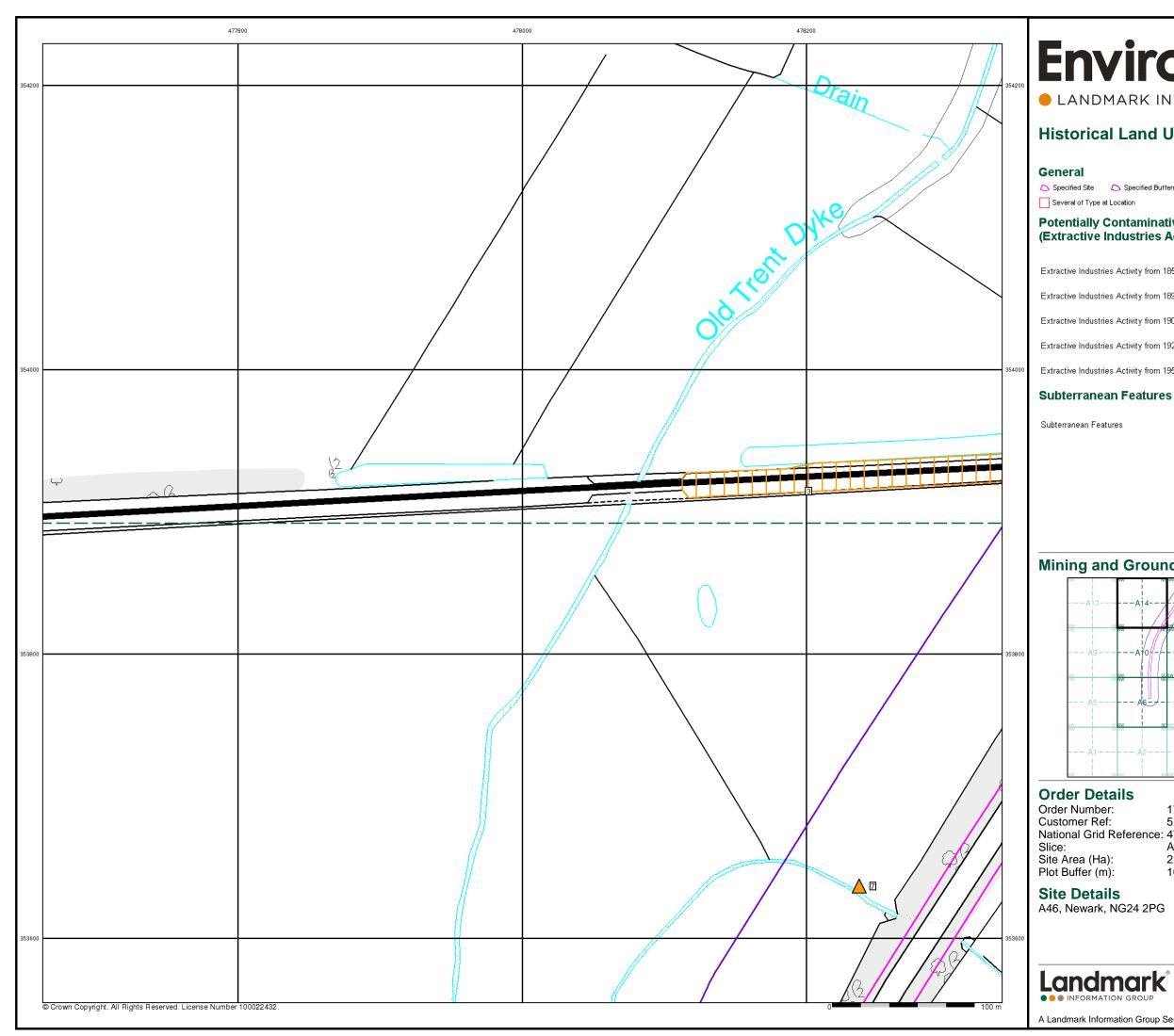
Fax:

Site Details A46, Newark, NG24 2PG



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A Landmark Information Group Service v50.0 09-Jul-2018 Page 3 of 10



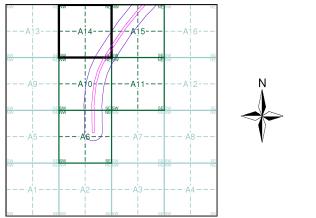
Envirocheck[®] LANDMARK INFORMATION GROUP* Historical Land Use Information (1:2,500) General 🖒 Specified Site 🛛 🖒 Specified Buffer(s) 🛛 🗙 Bearing Reference Point 🛛 🛽 Map ID Several of Type at Location Potentially Contaminative Industrial Uses (Extractive Industries Activity) Line Polvaor Extractive Industries Activity from 1855 - 1909 \square Extractive Industries Activity from 1893 - 1915

Extractive Industries Activity from 1906 - 1937

Extractive Industries Activity from 1924 - 1949 Extractive Industries Activity from 1950 - 1980

Subterranean Features

Mining and Ground Stability - Segment A14



Order Details

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

172582399_1_1 А 21.45 100





Tel: Fax: Web:

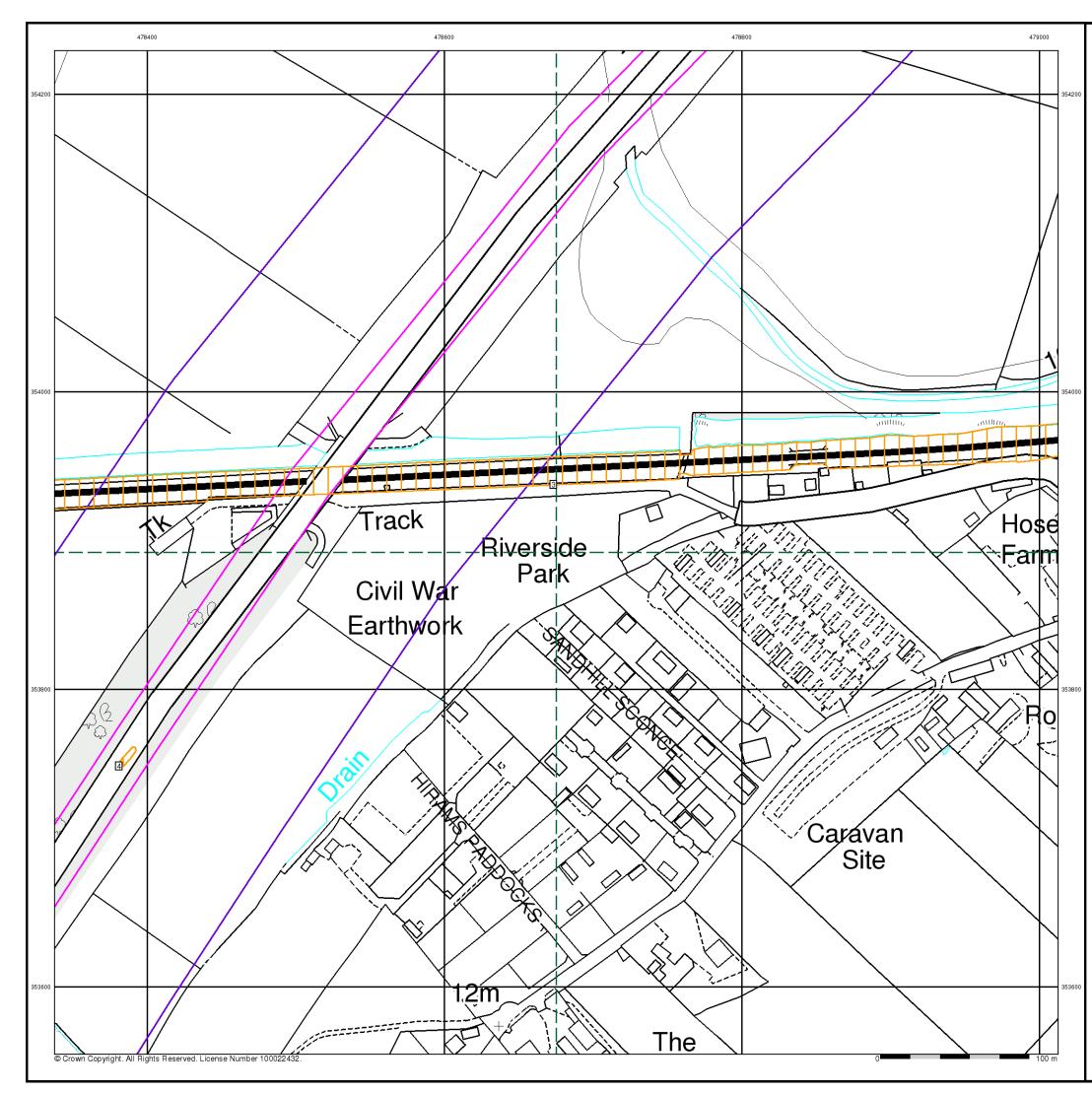
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Polygor

Line

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Envirocheck[®] LANDMARK INFORMATION GROUP* Historical Land Use Information (1:2,500) General 🖒 Specified Site 🖒 Specified Buffer(s) 🕺 Bearing Reference Point 🛽 Map ID Several of Type at Location Potentially Contaminative Industrial Uses (Extractive Industries Activity) Line Polvao Extractive Industries Activity from 1855 - 1909 \Box Extractive Industries Activity from 1893 - 1915

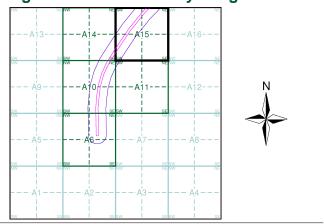
Extractive Industries Activity from 1906 - 1937

Extractive Industries Activity from 1924 - 1949 Extractive Industries Activity from 1950 - 1980

Subterranean Features

Subterranean Features

Mining and Ground Stability - Segment A15



Order Details

Order Number: Customer Ref: National Grid Reference: 478240, 353050 Slice: Site Area (Ha): Plot Buffer (m):

172582399_1_1 5162675 sub no 255 А 21.45 100

Tel: Fax:

Web:

Site Details A46, Newark, NG24 2PG

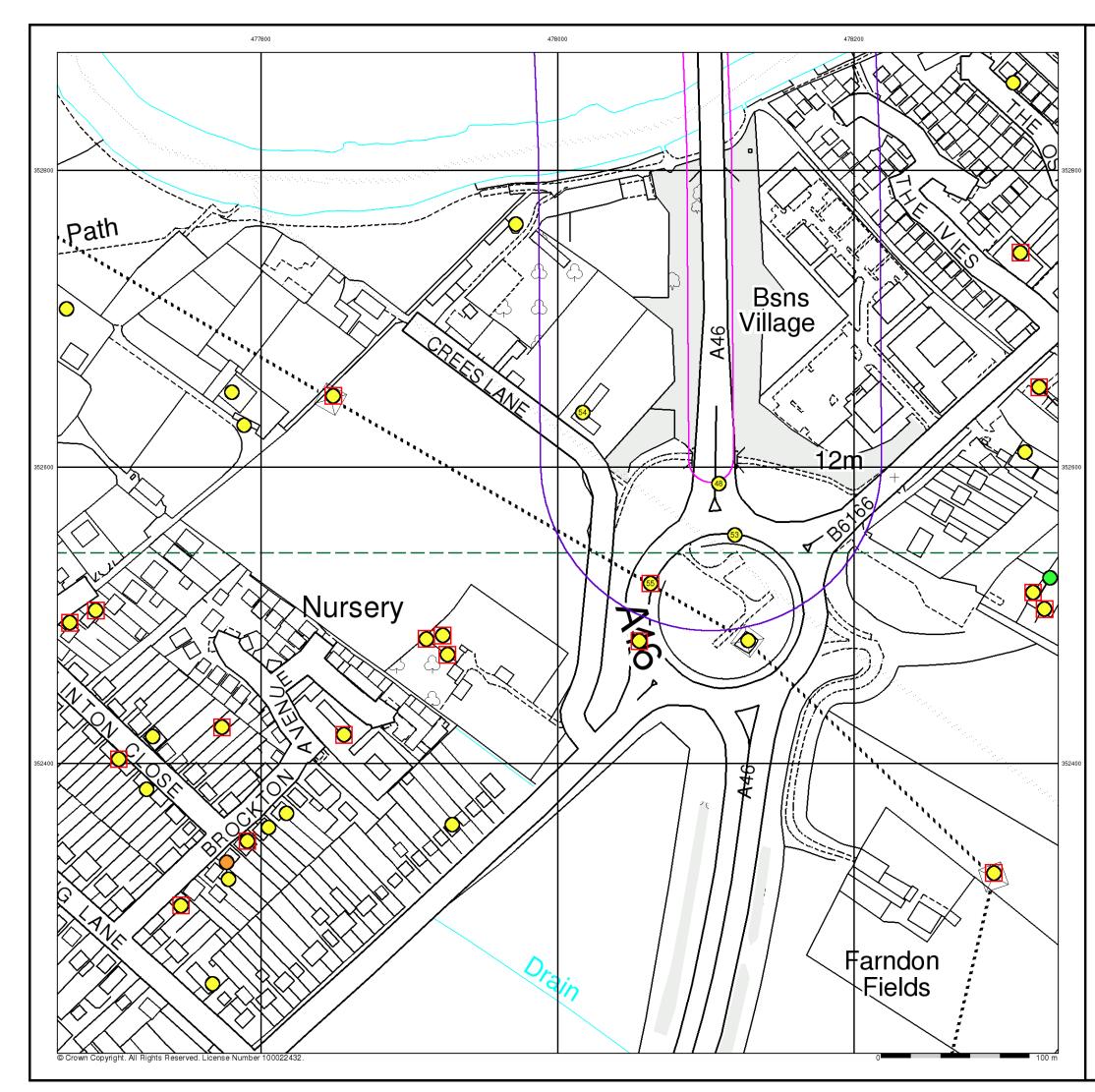


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A Landmark Information Group Service v50.0 09-Jul-2018 Page 5 of 10

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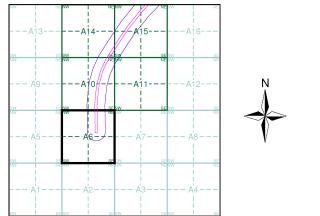
Motion Map Data (1:2,500)

General

🔼 Specified Site	Specified Buffer(s)	X Bearing Reference Point	8 Map ID
Several of Type at Location			
Average Velocity Gradient			
Upward Movemen	t > 3.5mm per year	۲	
		_	

Opward Movement 1.5mm to 3.5mm per year	<u> </u>
Stable 1.5mm to -1.5mm per year	<
Downward Movement -1.5mm to -3.5mm per year	(
Downward Movement > -3.5mm per year	

Mining and Ground Stability - Segment A6



Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

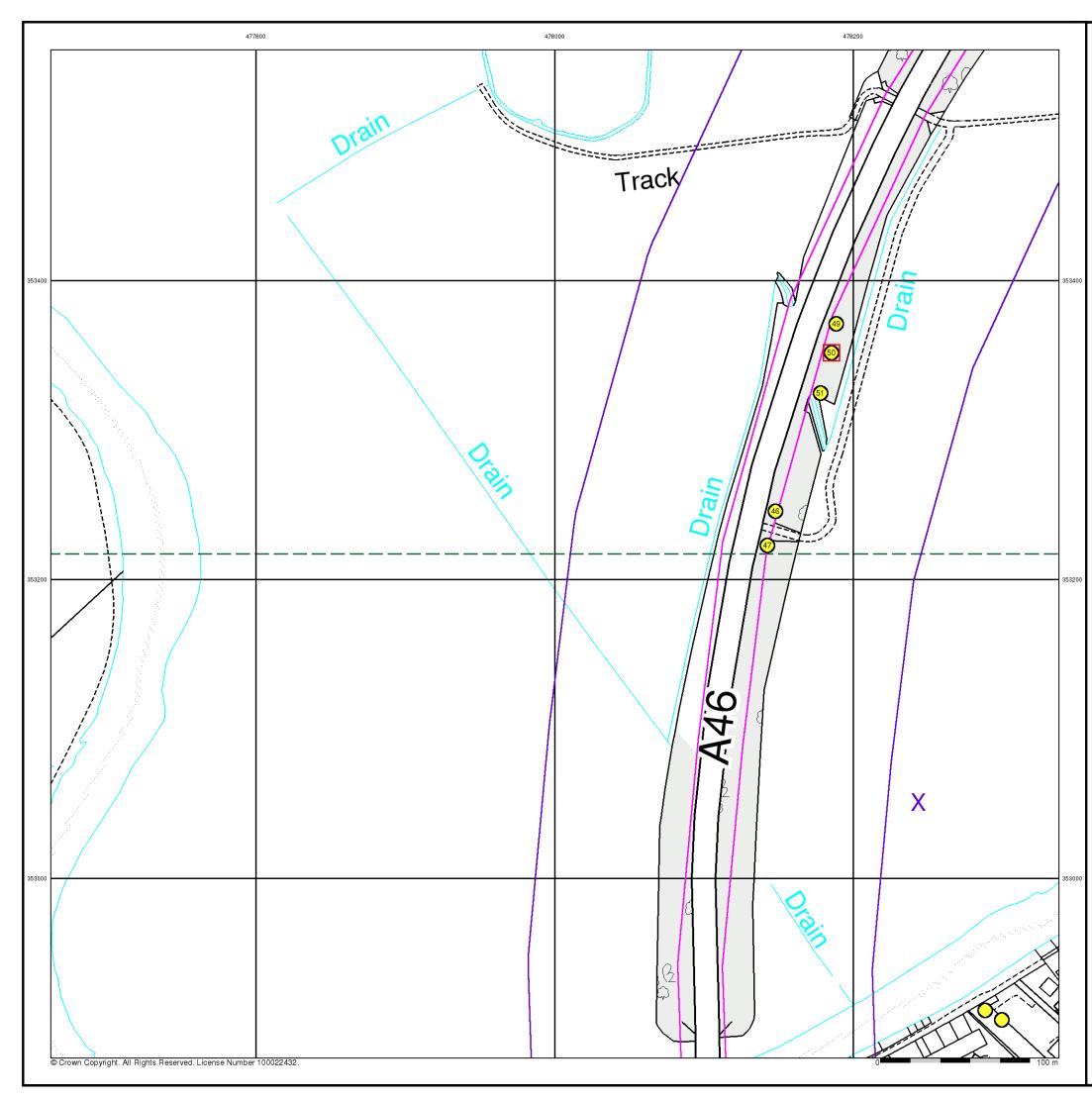
А 21.45 100

Site Details A46, Newark, NG24 2PG



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Motion Map Data (1:2,500)

General

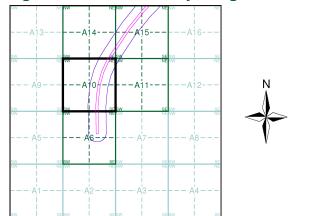
🛆 Specified Site	Specified Buffer(s)	X Bearing Reference Point	8 Map ID	
Several of Type at Location				
Average Velocity Gradient				
Upward Movemen	t > 3.5mm per year	•		
Upward Movement 1.5mm to 3.5mm per year		ear 🕒		

 $^{\circ}$

Stable 1.5mm to -1.5mm per year

Downward Movement -1.5mm to -3.5mm per year	0
Downward Movement > -3.5mm per year	٠

Mining and Ground Stability - Segment A10



Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

А 21.45 100

Site Details A46, Newark, NG24 2PG



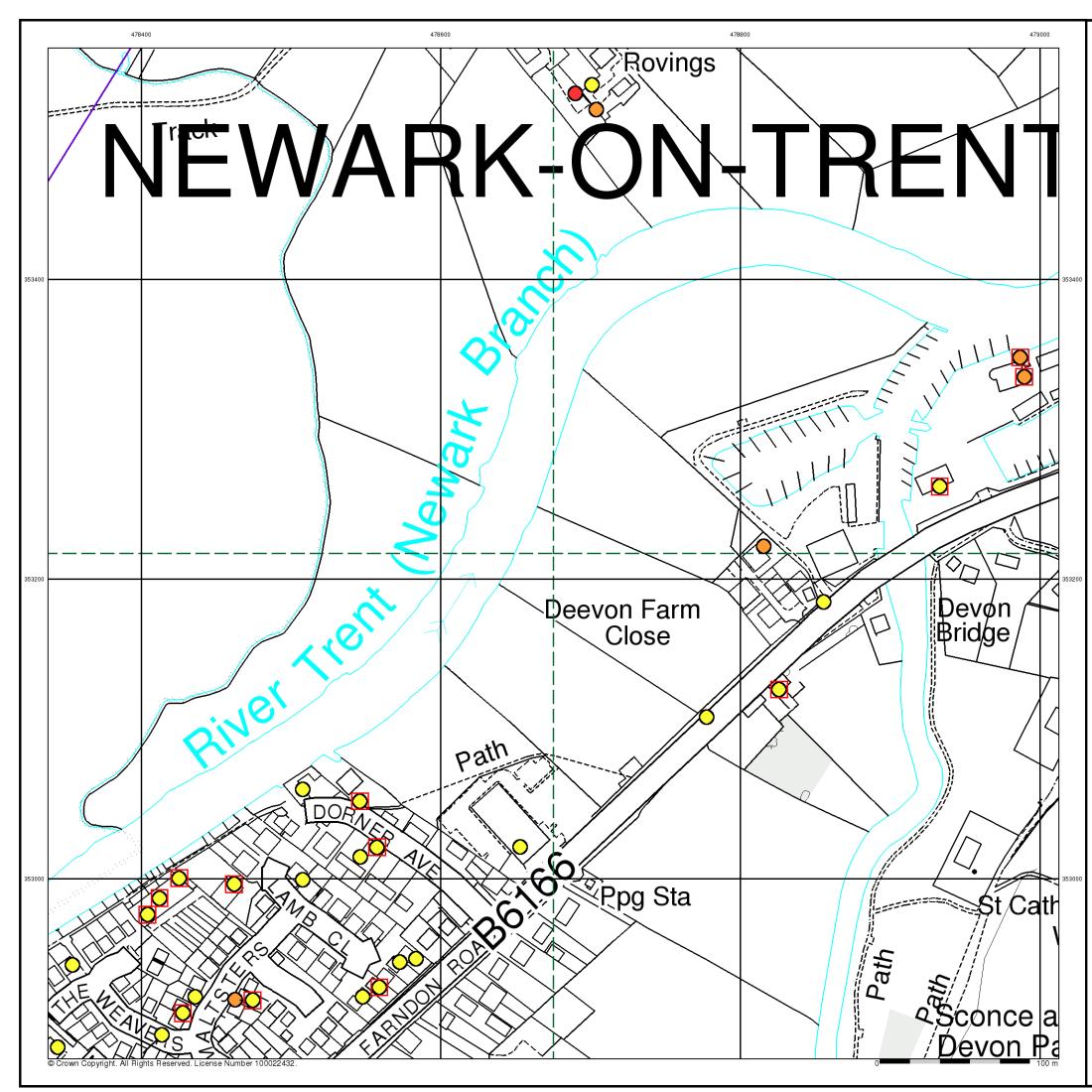
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Web:

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Motion Map Data (1:2,500)

General

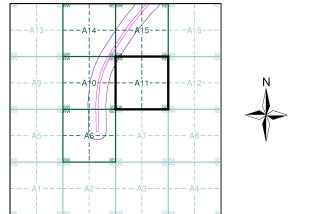
🔼 Specified Site	Specified Buffer(s)	X Bearing Reference Point	8 Map ID
Several of Type at Location			
Average Velocity Gradient			
Upward Movemen	t > 3.5mm per year	•	
Upward Movemen	t 1.5mm to 3.5mm per y	ear 🗢	

 \odot

Stable 1.5mm to -1.5mm per year

Downward Movement -1.5mm to -3.5mm per year	
Downward Movement > -3.5mm per year	





Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

А 21.45 100

Site Details A46, Newark, NG24 2PG



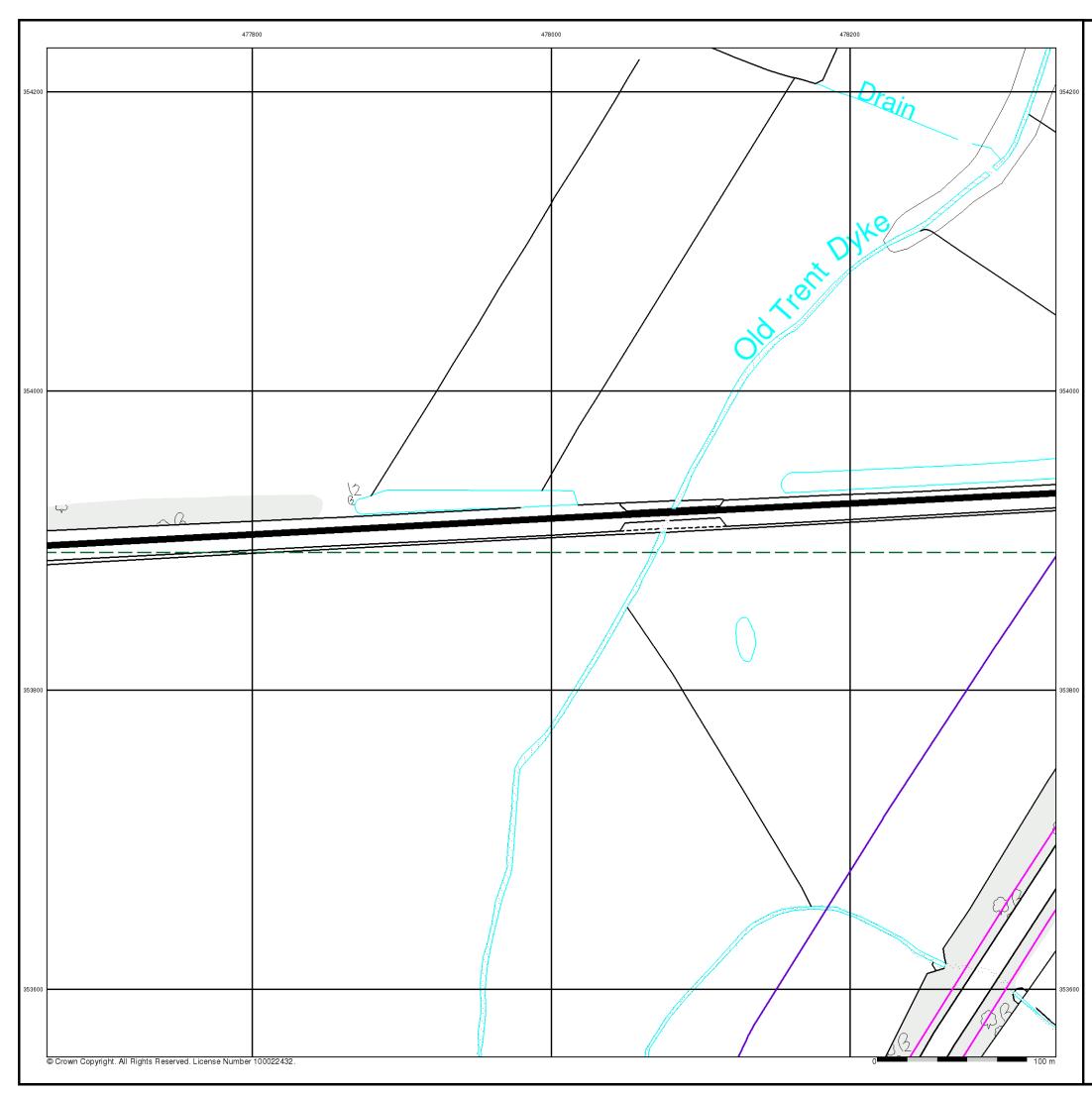
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Tel: Fax:

Web

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A Landmark Information Group Service v50.0 09-Jul-2018 Page 8 of 10



Motion Map Data (1:2,500)

General

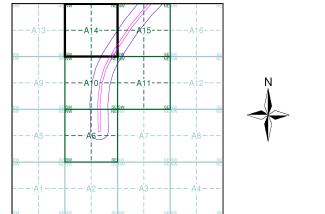
🔼 Specified Site	Specified Buffer(s)	X Bearing Reference Point	8 Map ID	
Several of Type at Location				
Average Velocity Gradient				
Upward Movemen	t > 3.5mm per year	•		
Upward Movemen	t 1.5mm to 3.5mm per y	ear 🗢		

 $^{\circ}$

Stable 1.5mm to -1.5mm per year

Downward Movement -1.5mm to -3.5mm per year	${}^{\circ}$
Downward Movement > -3.5mm per year	ullet





Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

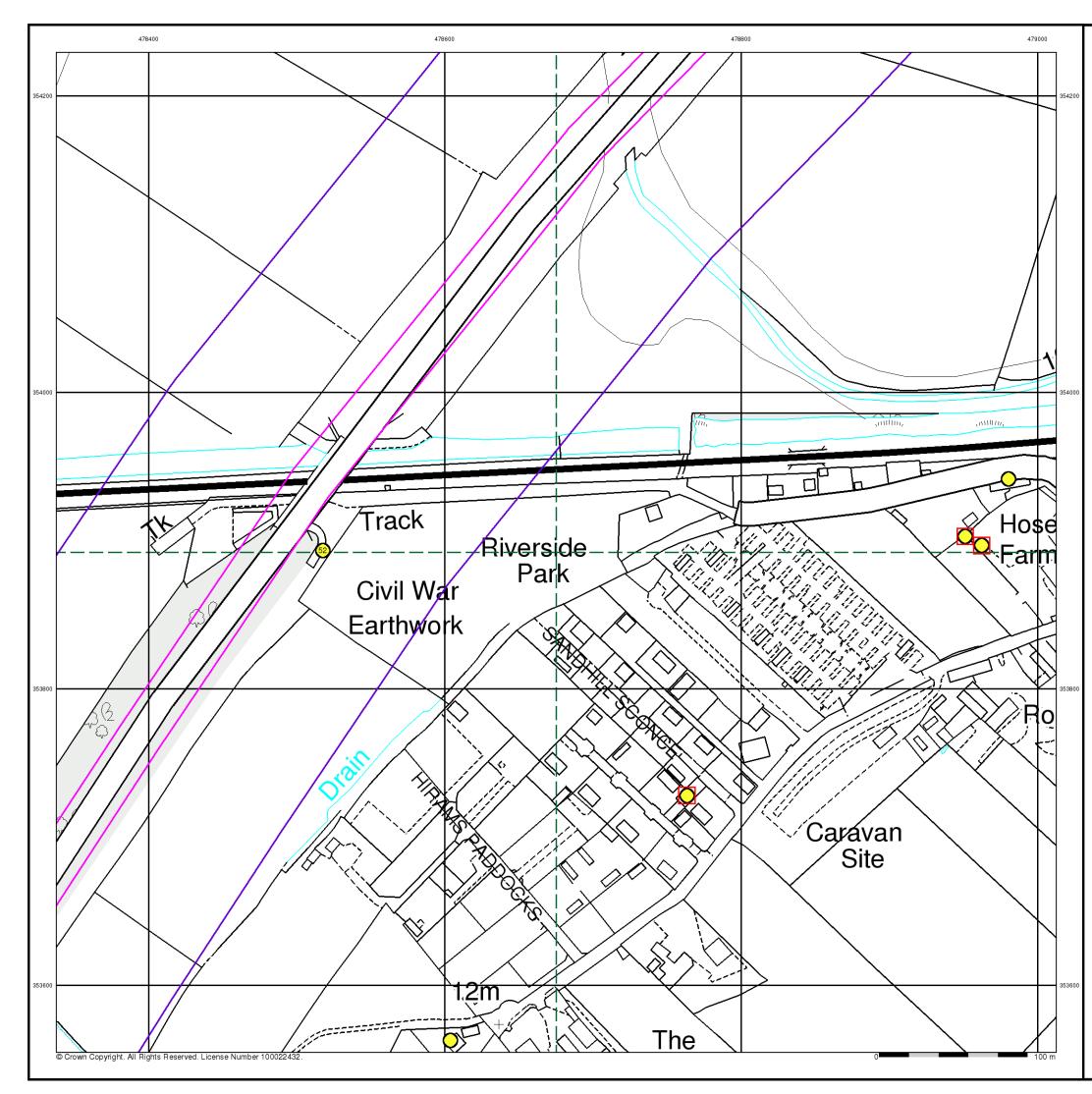
А 21.45 100

Site Details A46, Newark, NG24 2PG



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Motion Map Data (1:2,500)

General

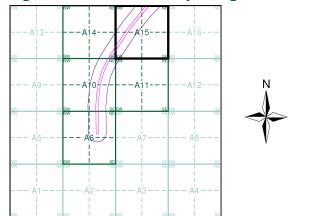
💍 Specified Site	Specified Buffer(s)	X Bearing Reference Point	8 Map ID	
Several of Type at Location				
Average Velocity Gradient				
Upward Movement	t > 3.5mm per year	•		
Upward Movemen	t 1.5mm to 3.5mm per y	ear 🗢		

 \circ \circ

Stable 1.5mm to -1.5mm per year

Downward Movement -1.5mm to -3.5mm per year Downward Movement > -3.5mm per year

Mining and Ground Stability - Segment A15



Order Details

 Order Number:
 172582399_1_1

 Customer Ref:
 5162675 sub no 255

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

А 21.45 100

Site Details A46, Newark, NG24 2PG



Tel: Fax: Web:

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