



Supply of Unpublished Survey Information

Published 1973 - 1974

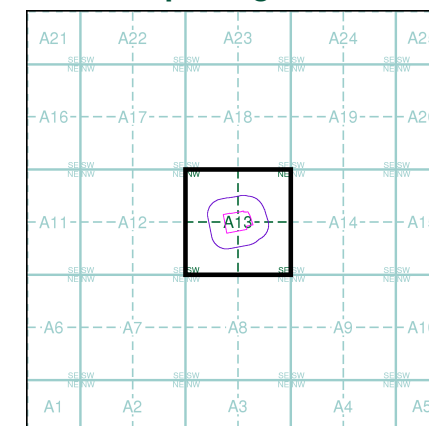
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey.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 These maps were unpublished, and they do not represent a single moment in time.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)

SU7173NW
1974
1:1,250
SU7173SW
1973
1:1,250

Historical Map - Segment A13



Order Details

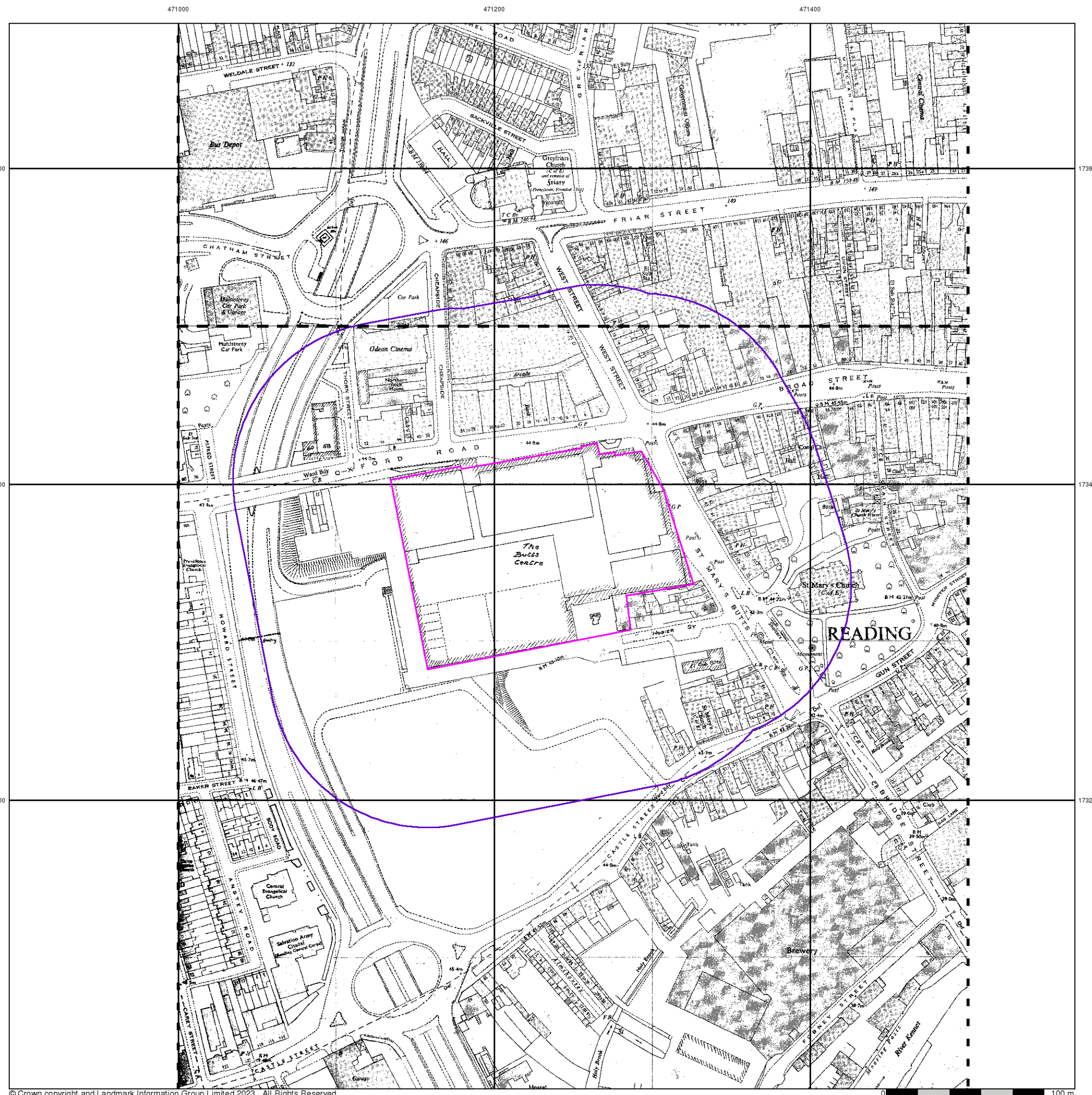
Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

Site Details

Broad Street Mall, Broad Street, Reading, RG1 7QE

Landmark
INFORMATION GROUP

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





Additional SIMs

Published 1977 - 1988

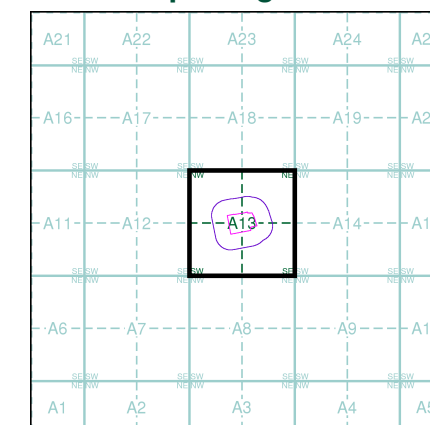
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU7073NE 1986 1:1,250	SU7173NW 1979 1:1,250	SU7173NE 1979 1:1,250
SU7073SE 1977 1:1,250	SU7173SW 1988 1:1,250	SU7173SE 1979 1:1,250

Historical Map - Segment A13



Order Details

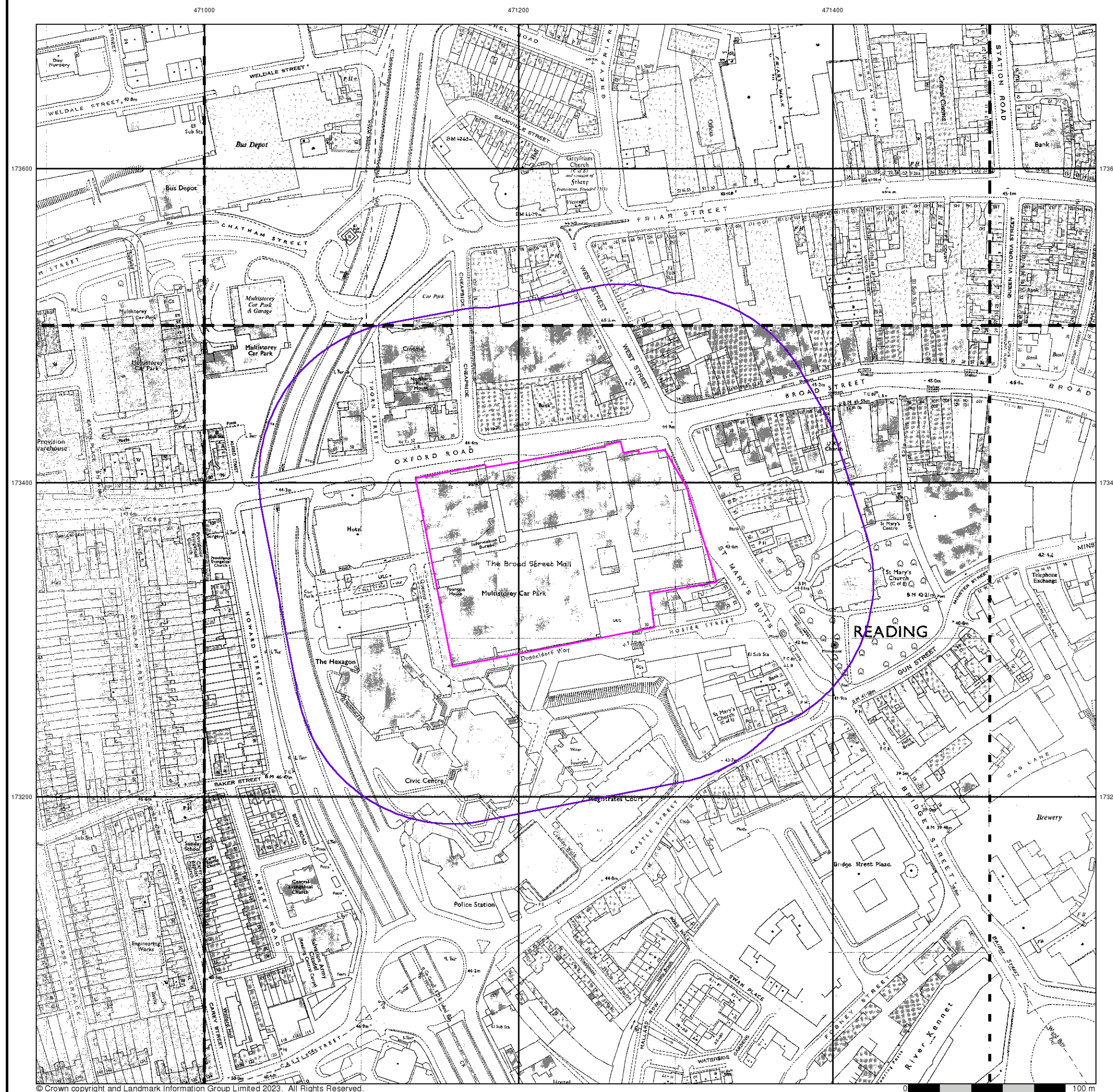
Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1980 - 1988

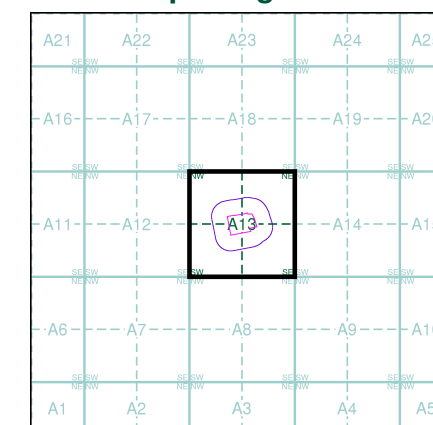
Source map scale - 1:1,250

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)

SU7173NW 1986 1:1,250	SU7173NE 1986 1:1,250
SU7173SW 1980 1:1,250	SU7173SE 1988 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

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Additional SIMs

Published 1986 - 1993

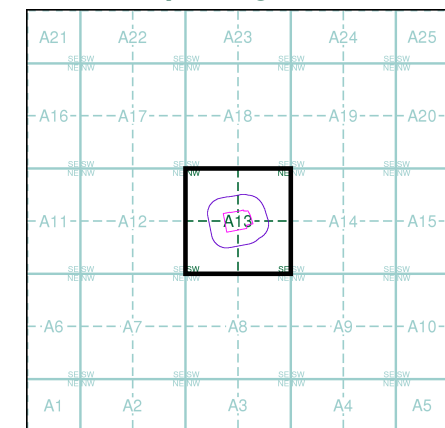
Source map scale - 1:1,250

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)

SU7073NE	SU7173NW	SU7173NE
1993	1986	1986
1:1,250	1:1,250	1:1,250
SU7073SE		SU7173SE
1986		1991
1:1,250		1:1,250

Historical Map - Segment A13



Order Details

Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

Site Details

Broad Street Mall, Broad Street, Reading, RG1 7QE



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Additional SIMs

Published 1988

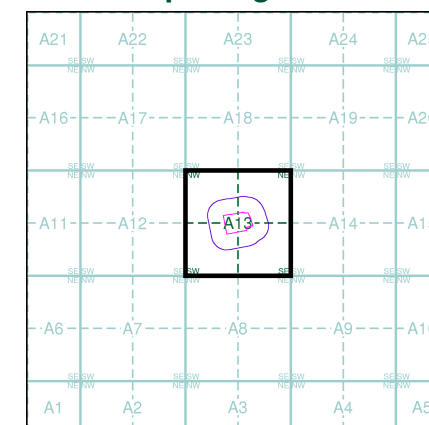
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU7173NW	SU7173NE
1988	1988
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

Site Details

Broad Street Mall, Broad Street, Reading, RG1 7QE

Landmark
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Large-Scale National Grid Data

Published 1993

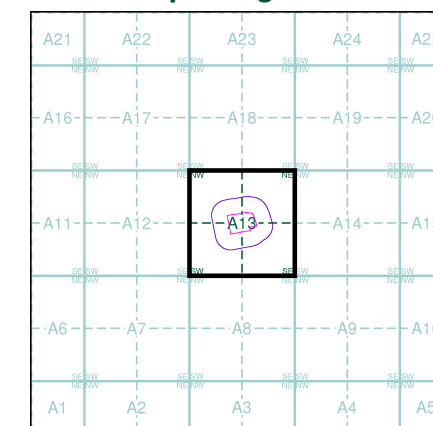
Source map scale - 1:1,250

'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)

SU7073NE	SU7173NW	SU7173NE
1993	1993	1993
1:1,250	1:1,250	1:1,250
SU7073SE	SU7173SW	SU7173SE
1993	1993	1993
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

Site Details

Broad Street Mall, Broad Street, Reading, RG1 7QE

Landmark
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Additional SIMs

Published 1993

Source map scale - 1:1,250

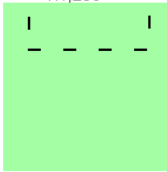
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

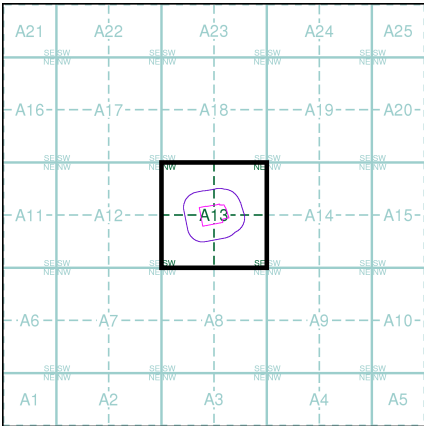
SU7173NW

1993

1:1,250



Historical Map - Segment A13



Order Details

Order Number:	306235994_1_1
Customer Ref:	1922703
National Grid Reference:	471220, 173360
Slice:	A
Site Area (Ha):	1.93
Search Buffer (m):	100

Site Details

Broad Street Mall, Broad Street, Reading, RG1 7QE



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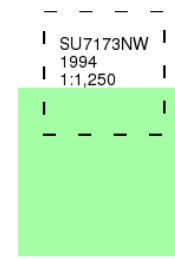
Large-Scale National Grid Data

Published 1994

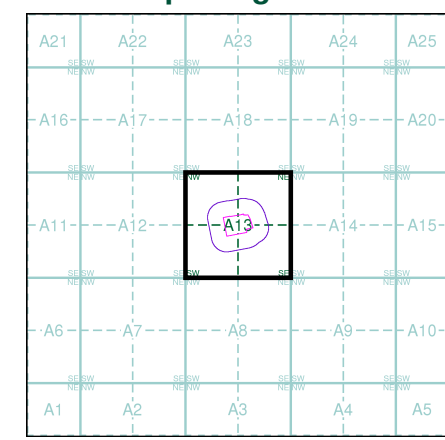
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

Site Details

Broad Street Mall, Broad Street, Reading, RG1 7QE



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Web: www.envirocheck.co.uk



Large-Scale National Grid Data

Published 1996

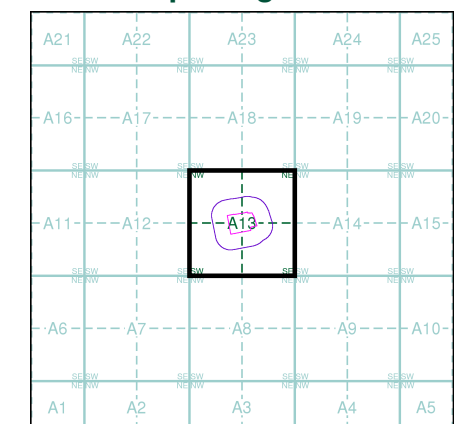
Source map scale - 1:1,250

'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)

SU7173NW
1996
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

Site Details

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INFORMATION GROUP

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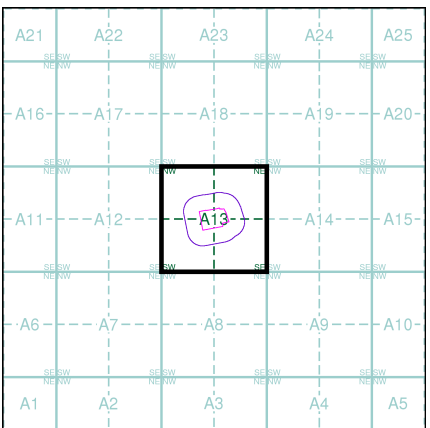


Historical Aerial Photography

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

Historical Aerial Photography - Segment A13



Order Details

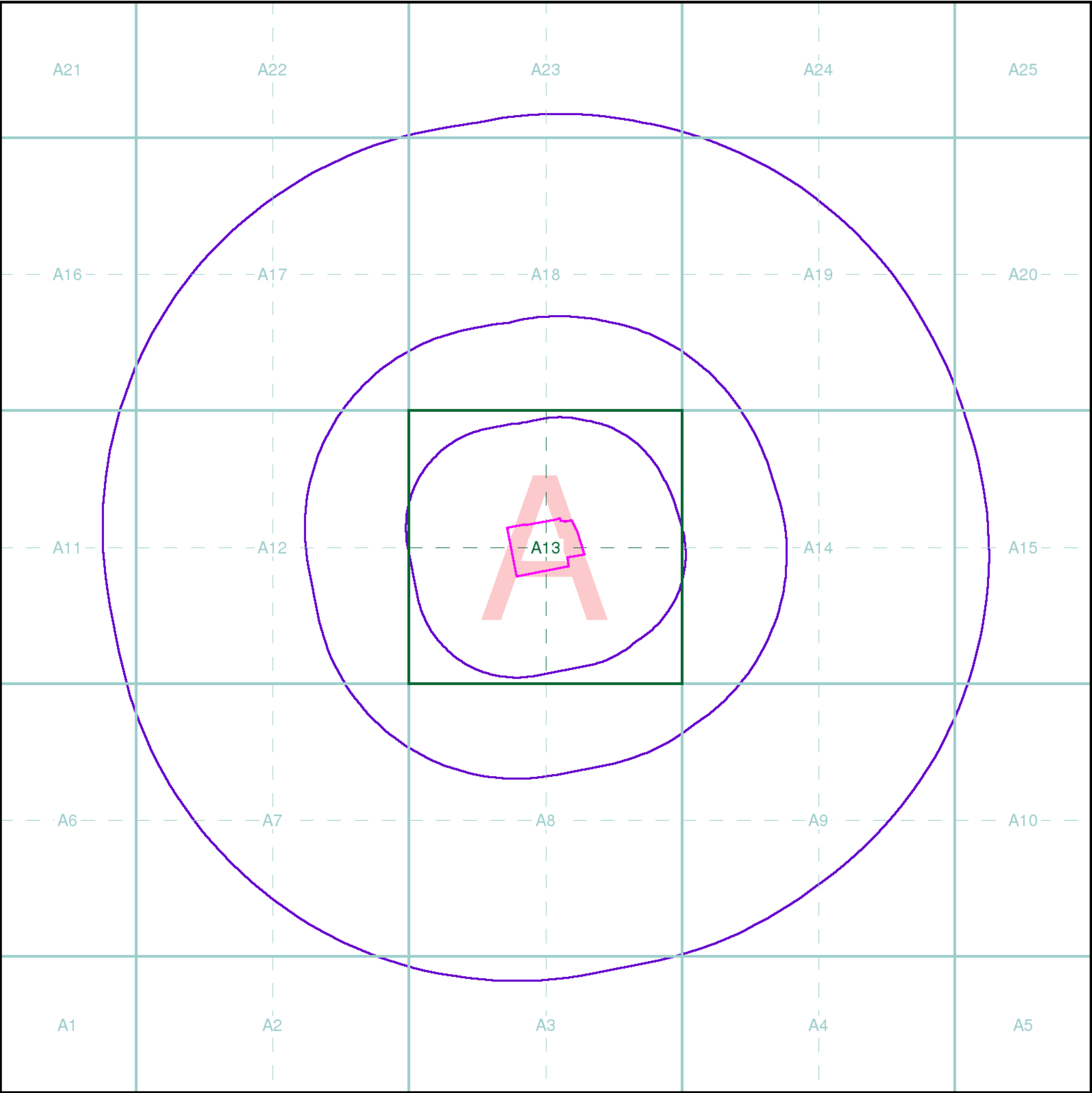
Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471220, 173360
Slice: A
Site Area (Ha): 1.93
Search Buffer (m): 100

Site Details

Broad Street Mall, Broad Street, Reading, RG1 7QE



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Web: www.envirocheck.co.uk



Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Miss H Ellson, RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT

Order Details

Order Number: 306235994_1_1
Customer Ref: 1922703
National Grid Reference: 471230, 173360
Site Area (Ha): 1.93
Search Buffer (m): 1000

Site Details

Broad Street Mall, Broad Street, Reading, RG1 7QE

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



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Fax: 0844 844 9951
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APPENDIX E

SUPPORTING DESK STUDY INFORMATION



Job Number	1922703
Site Location	Reading
Client	McLaren Living
Easting of Site (m)	471253
Northing of Site (m)	173367
Distance from Site (m)	2000

Natural Solution Features

SP	solution pipe
SH	swallow hole
D	subsidence doline
CD	collapse doline
LZ	loose zone
MC	metastable cavity associated with a metastable solution pipe

Artificial Solution Features

CA	chalkangle
CW	chalkwell
DH	denehole
BP	bellpit
CM	chalk mine
CMA	chalk mine adit entry
CMS	chalk mine shaft entry
F	folly
ARS	air raid shelter
NFM	neolithic flint mine
FM	flint mine
SH	shaft

[illegible]

LE GRAND ADSCOCIVIL ENGINEERING DIVISION OF
LE GRAND SUTCLIFF AND GELL LIMITED

SU77SW

690

7114 7337

RECORD OF TEST BORING No. 1 at Reading Civic Centre
For Reading Boro, Reading Berks.

O/N. 4694 Boring Completed on 23.5.55

O.D. Level 147.65

Boring lined to a Depth of 18' of 7 1/2" 55' of "

Diameter 7 1/2" and 6"

BORING FOREMAN'S STRATA RECORD	THICKNESS		DEPTH		WATER OBSERVATIONS			
	Ft	Ins	Ft	Ins	Date	Time	W.S.	SWL
Firm Concrete Bricks & Stones	2	6	2	6		8.00	36'	27'3"
						a.m.		
Brown Clay & Stones	4	-	6	6				
Gravel	4	-	10					
Brown Clay & Stones	5	6	16	-				
Chalk & Flint	4 1/2	-	20	-				
TOTAL DEPTH			30	-				

SAMPLING DETAILS

Lab Location No. 2417

Undisturbed Core Samples Taken at 5' 6" (1) 16" 20" (2) 31 1/2" 45" (3)
25' 1" 30" (23) 38 1/2" 40" (33) 42 1/2" 5' (45) 53 1/2" 60" (42)Disturbed Jar Samples Taken at 2' 1/2", 7' 1/2", 12' 6", 15', 17' 1/2", 27' 6", 32' 6",
35', 52' 6", 56'.

Bulk Samples:- 8' to 10', 43' 1/2" to 45'

Water Samples Taken: YES/NO

Standard Penetration Tests Carried Out

From	16' 0"	To	11' 6"	Blows	(70)
From	13' 0"	To	15' 0"	Blows	(42)
From	30' 0"	To	35' 0"	Blows	(46)
From	45' 0"	To	47' 0"	Blows	(28)
	53' 6"		55' 0"		(35)

Boring Foreman's Remarks

Signed
For LE GRAND ADSCO

CIVIL ENGINEERING DIVISION OF

RECORD OF BOREHOLE NO. 1

4711S2
173392

Ground level : 147.0ft above O.D. (approx)

Dia. of boring : 8in to 50ft

Type of boring : Shell and Auger

Lining tubes : 8in to 35ft 6in

Daily Progress	Samples		Change of Strata			Description of Strata	
	Depth	Type	Legend	Depth	O.D. Level		
18.9.68	1'0"	BD				FILL (brick rubble, loose gravel and brown clay)	
	3'0" - 3'9"	BD C(3)					
	6'0" - 7'6"	U(4) D		6'0"	141.0	Soft brown silty CLAY	
	7'6"			8'0"	139.0		
19.9.68	9'0" - 9'6"	C(50) BD				Loose to dense medium to large flint GRAVEL	
	9'6"						
	14'0"	BD					
	14'6" - 15'6"	C(4)		16'6"	130.5		
	17'0" - 18'6"	U(4) D				Angular CHALK fragments in a matrix of clayey chalk (solifluction chalk)	
	18'6"	D					
	19'6"	D					
	21'0" - 22'6"	BD C(31)					
	25'0" - 26'6"	U(4) D				gradational boundary	
	26'6"	D					
	27'6"						
	29'0" - 30'6"	D C(19)		30'0"	117.0		
	20.9.68	33'0" - 34'6"	U(4) D				Very fissured white CHALK, rather hard and fine grained, becoming less fissured with depth
		34'6"	D				
35'6"							
37'6" - 38'6"		C(38)					
20.9.68	41'0" - 42'6"	U(4) D				Very fissured white CHALK, rather hard and fine grained, becoming less fissured with depth	
	42'6"	D					
	43'0"	BD					
	43'6" - 44'6"	C(52)					
20.9.68	47'6" - 49'0"	U(4) D				Very fissured white CHALK, rather hard and fine grained, becoming less fissured with depth	
	49'0"	D					
	50'0"	D		50'0"	97.0		
Key to type of sample :			Remarks : (Observations on ground-water, etc.)				
U (4) — 4 in. dia. undisturbed sample. U (1½) — 1½ in. dia. " " D — disturbed sample. " " BD — bulk disturbed sample. V — vane test. S () — standard penetration test. C () — dynamic cone penetration test. Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1).			Water was added on 19.9.68 at 8ft below ground level to assist boring. Ground water was first encountered in the morning of 20.9.68 at 33ft. After withdrawal of casing to 20ft ground-water stood at 28ft.				
READING COMMERCIAL CENTRE						Lab Ref No. S/6823	
						FIG. 1	

RECORD OF BOREHOLE NO. 3

471182

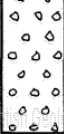
173398

Ground level : 147.5ft above O.D. (approx)

Dia. of boring : 8in. to 30ft

Type of boring : Shell and Auger

Lining tubes : 8in. to 27ft 6in

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
	1'0" 3'0"	BD BD		5'0"	142.5	FILL (asphalt and brick rubble to 2ft 6in; black topsoil to 5ft)
	6'6" - 8'0" 8'0"	U(4) D		8'0"	139.5	Firm brown CLAY
	10'0" 10'6" - 11'0"	BD C(51)				Medium dense to very dense small flint GRAVEL; becoming larger below 13ft 6in
	15'6" - 16'6"	C(15)		16'6"	131.0	
	20'0" - 21'6" 21'6" 22'6"	U(4) D D				Angular CHALK fragments in a matrix of clayey chalk (solifluction chalk) passing gradually into very fissured but in-situ chalk with depth
	24'6" - 25'6"	C(16)				
21.9.68	28'0" - 29'6" 29'6" 30'0"	U(4) D D		30'0"	117.5	
Key to type of sample :			Remarks : (Observations on ground-water, etc.)			
U (4) — 4 in. dia. undisturbed sample. U (1½) — 1½ in. dia. " " D — disturbed sample. " " BD — bulk disturbed sample. V — vane test. S () — standard penetration test. C () — dynamic cone penetration test. Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1).			Water, added at 8ft below ground level to facilitate boring, stood overnight on 20/21.9.68 at a depth of 15ft below ground level. Two samples of ground-water were taken on 23.9.68.			
READING COMMERCIAL CENTRE						Lab Ref No. S/6823
						FIG. 3

RECORD OF BOREHOLE NO. 6

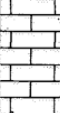
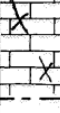
471210
173307

Ground level : 147.0ft above O.D. (approx)

Dia. of boring : 8in to 30ft

Type of boring : Shell and Auger

Lining tubes : 8in to 30ft

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
	4'0"	BD		8'6"	138.5	FILL (brick rubble)
23.9.68	11'0" 11'6" - 12'6"	BD C(59)		14'6"	132.5	Medium dense to very dense, medium to coarse flint GRAVEL with broken tile (presumed fill)
	16'0" 16'6" - 17'6"	BD C(18)		19'0"	128.0	Medium dense, medium to large flint GRAVEL
	20'0" - 21'6" 21'6" - 22'6"	U(4) D D				Angular CHALK fragments in a matrix of clayey chalk (solifluction chalk) passing gradually with depth into very fissured but in-situ chalk
	24'6" - 25'6"	C(24)				
24.9.68	28'6" - 30'0" 30'0"	U(4) D		30'0"	117.0	
Key to type of sample : U (4) — 4 in. dia. undisturbed sample. U (1½) — 1½ in. dia. " " D — disturbed sample. BD — bulk disturbed sample. V — vane test. S () — standard penetration test. C () — dynamic cone penetration test. Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1). Remarks : (Observations on ground-water, etc.) Water was added on 23.9.68 at 8ft 6in to assist boring. The borehole was found to be dry in the evening and also on the morning of 24.9.68. After withdrawing casing to 20ft ground-water stood at 22ft 6in.						
READING COMMERCIAL CENTRE						Lab Ref No. S/6823
						FIG. 6

RECORD OF BOREHOLE NO. 10

471278
173337

Ground level : 145.0ft above O.D. (approx)

Dia. of boring : 8in to 30ft

Type of boring : Shell and Auger

Lining tubes : 8in to 19ft

Daily Progress	Samples		Change of Strata			Description of Strata
	Depth	Type	Legend	Depth	O.D. Level	
16.11.68				0'2"	144.9	Wood flooring
				0'8"	144.3	Concrete
				1'0"	144.0	FILL (bricks)
	3'6" - 5'0"	U(4) D		4'0"	141.0	Brown clayey SILT and fine SAND
	5'0" - 6'6"	U(4) D				Brown sandy CLAY with fine coarse GRAVEL
	6'6" - 8'6"	D				
	8'6" - 10'0"	BD		9'6"	135.5	
	10'6" - 11'6"	C(93)				Dense to very dense fine to coarse SAND and fine to coarse GRAVEL
	13'6" - 14'6"	BD C(24)				
	16'0"	BD				
	16'6" - 17'6"	C(91)		18'6"	126.5	
	19'6" - 21'0"	U(4) D				CHALK fragments in matrix of clayey CHALK (solifluction chalk)
23'0" - 24'0"	D S(8)					
28'6" - 30'0"	U(4) D		30'0"	115.0		
18.11.68						
Key to type of sample :			Remarks : (Observations on ground-water, etc.)			
U (4) — 4 in. dia. undisturbed sample. U (1½) — 1½ in. dia. " " D — disturbed sample. BD — bulk disturbed sample. V — vane test. S () — standard penetration test. C () — dynamic cone penetration test. Figure in brackets is No. of blows for penetration given in depth column (see Notes, page 1).			Water was added at 9ft 6in below ground level on 16.11.68 to assist boring. Ground-water was first encountered on 16.11.68 at 18ft 6in below ground level. In the evening the borehole was found to be dry. A further reading was taken on the morning of 18.11.68 when the borehole was again found to be dry.			
READING COMMERCIAL CENTRE						Lab Ref No. S/6823
						FIG. 10

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