

February 2023

London Luton Airport Expansion

Planning Inspectorate Scheme Ref: TR020001

Volume 5 Environmental Statement and Related Documents
**5.02 Appendix 17.1 Preliminary Risk Assessment of Land
Contamination - Part E**

Application Document Ref: TR020001/APP/5.02

APFP Regulation: 5(2)(a)

The Planning Act 2008

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

**London Luton Airport Expansion Development Consent
Order 202x**

**5.02 ENVIRONMENTAL STATEMENT APPENDIX 17.1
PRELIMINARY RISK ASSESSMENT OF LAND CONTAMINATION -
PART E**

Regulation number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference:	TR020001
Document Reference:	TR020001/APP/5.02
Author:	Luton Rising

Version	Date	Status of Version
Issue 01	February 2023	Application issue

Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

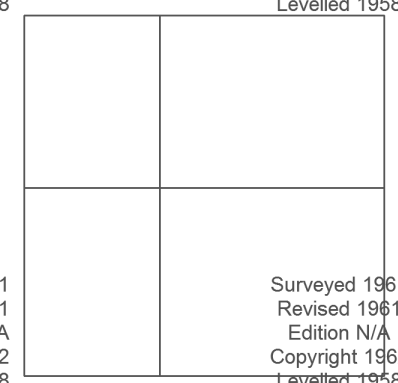
Map date: 1962

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961	Surveyed 1961
Revised 1961	Revised 1961
Edition N/A	Edition N/A
Copyright 1962	Copyright 1962
Levelled 1958	Levelled 1958



Surveyed 1961	Surveyed 1961
Revised 1961	Revised 1961
Edition N/A	Edition N/A
Copyright 1962	Copyright 1962
Levelled 1958	Levelled 1958



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

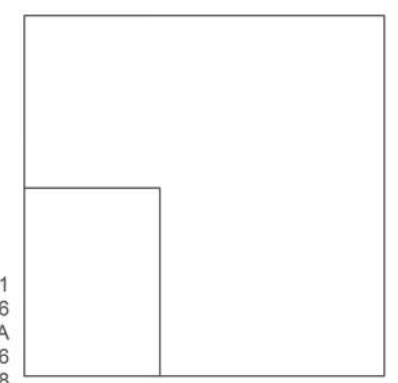
Map date: 1966

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1966
 Edition N/A
 Copyright 1966
 Levelled 1958

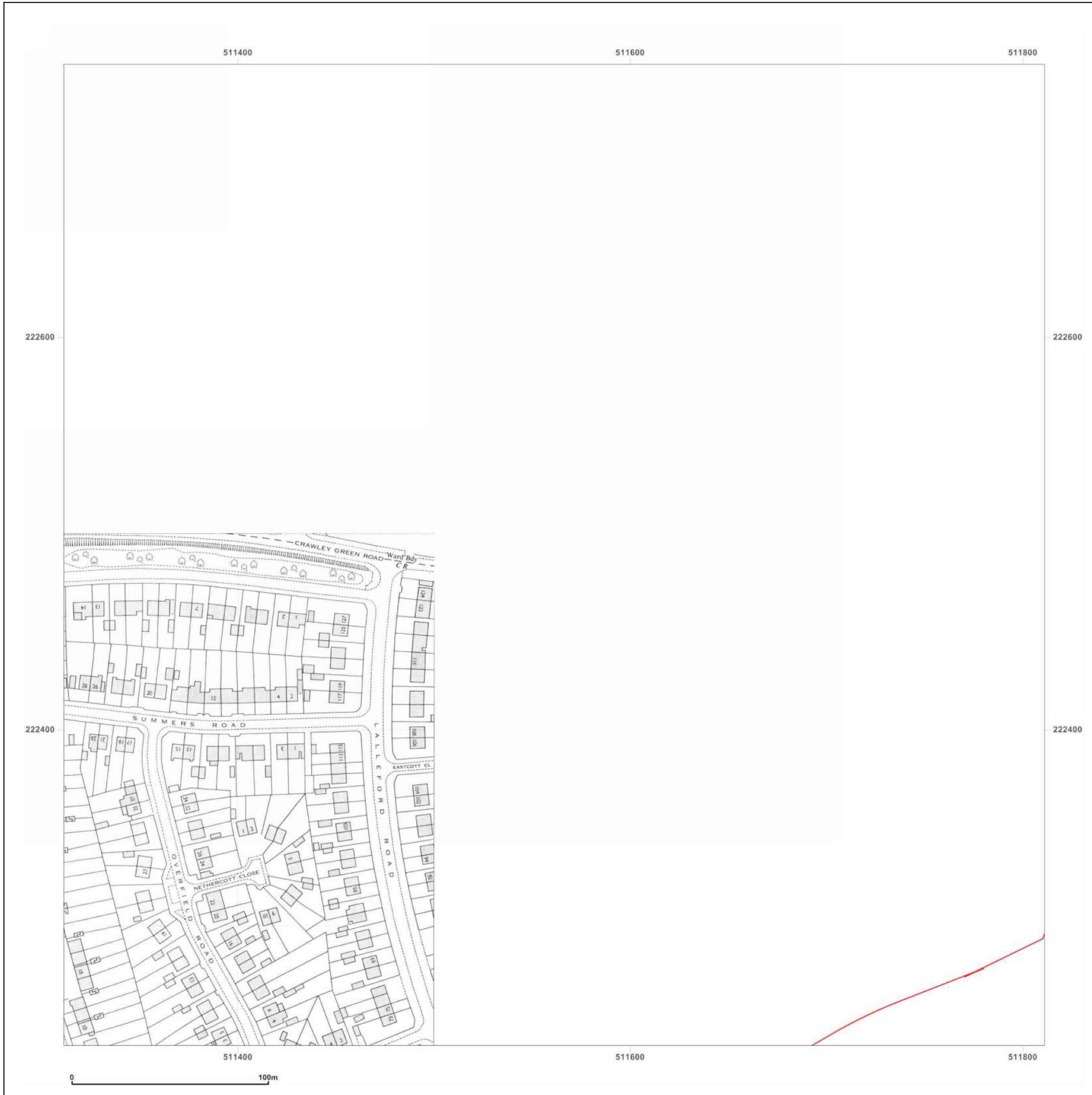


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

Map date: 1974-1976

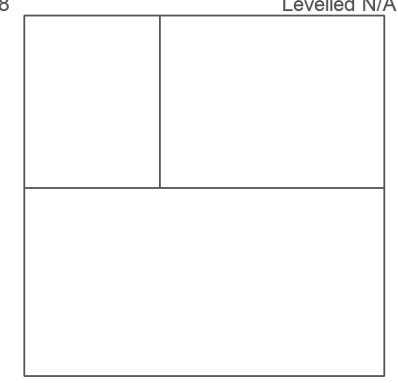
Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1975
 Edition N/A
 Copyright 1976
 Levelled 1958

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

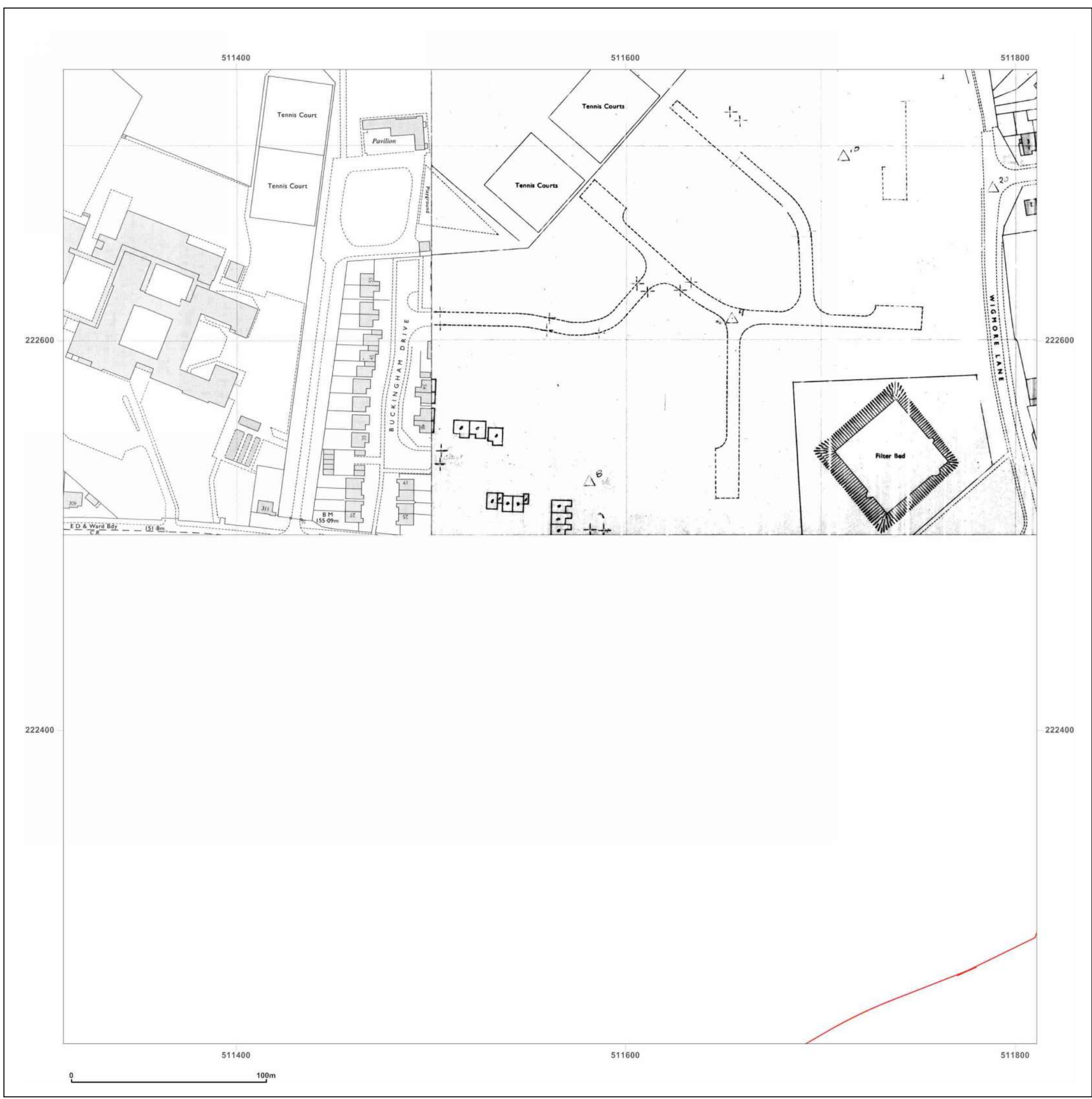


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

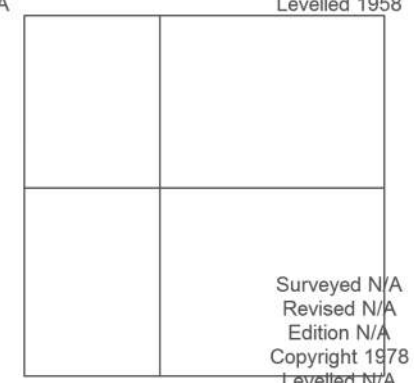
Map date: 1973-1978

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A	Surveyed 1961
Revised N/A	Revised 1973
Edition N/A	Edition N/A
Copyright N/A	Copyright 1973
Levelled N/A	Levelled 1958



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1978
 Levelled N/A



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Site Details:

Proposed Link Road - CPAR

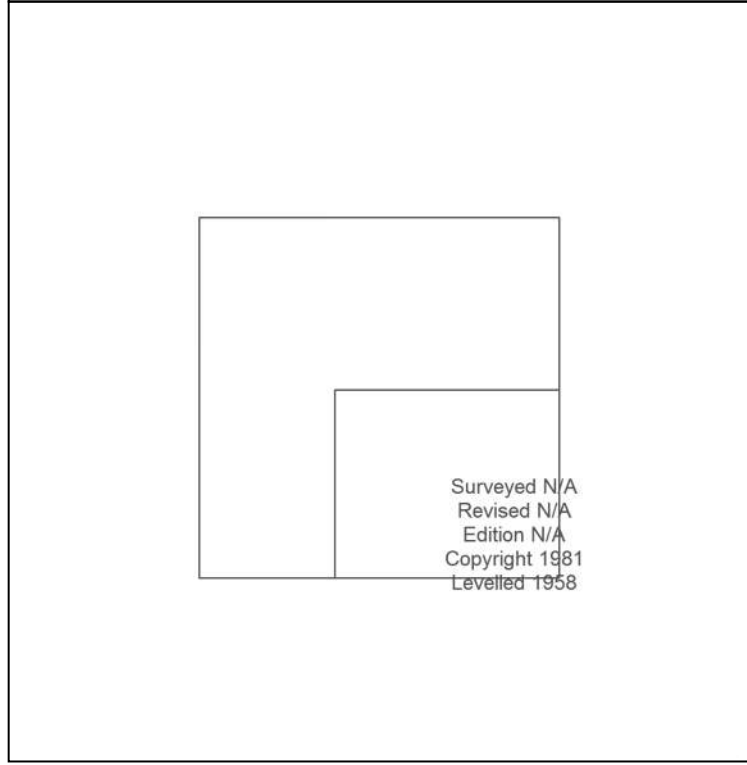
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

Map date: 1981

Scale: 1:1,250

Printed at: 1:2,000



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

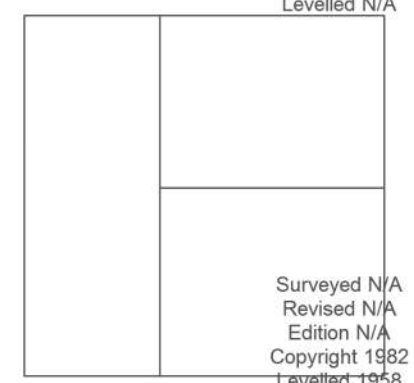
Map date: 1977-1982

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1982
 Levelled 1958



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

Map date: 1979-1982

Scale: 1:1,250

Printed at: 1:2,000



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	Surveyed N/A Revised N/A Edition N/A Copyright 1982 Levelled 1958



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

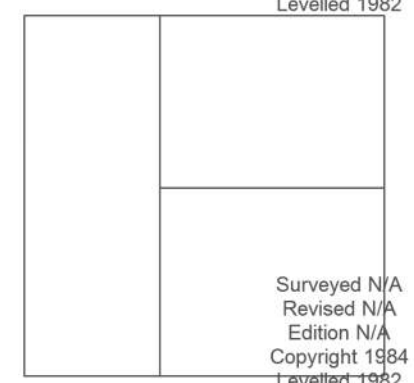
Map date: 1984

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1982
 Revised 1984
 Edition N/A
 Copyright 1984
 Levelled 1982



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1984
 Levelled 1982



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

Map date: 1986

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1981
 Revised 1985
 Edition N/A
 Copyright 1988
 Levelled 1982



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

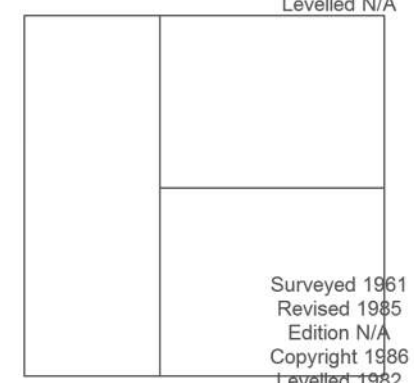
Map date: 1985-1990

Scale: 1:1,250

Printed at: 1:2,000



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 Revised 1989
 Edition N/A
 Copyright 1990
 Levelled N/A



Surveyed 1961
 Revised 1985
 Edition N/A
 Copyright 1986
 Levelled 1982



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: National Grid

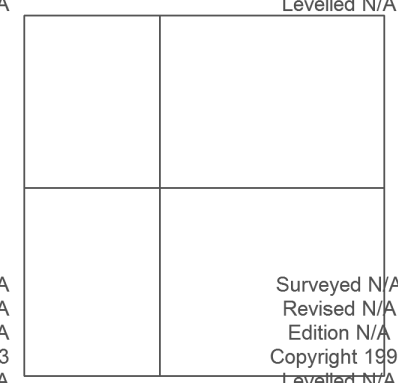
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A	Surveyed N/A
Revised N/A	Revised N/A
Edition N/A	Edition N/A
Copyright 1993	Copyright 1993
Levelled N/A	Levelled N/A



Surveyed N/A	Surveyed N/A
Revised N/A	Revised N/A
Edition N/A	Edition N/A
Copyright 1993	Copyright 1993
Levelled N/A	Levelled N/A



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Site Details:

Proposed Link Road - CPAR

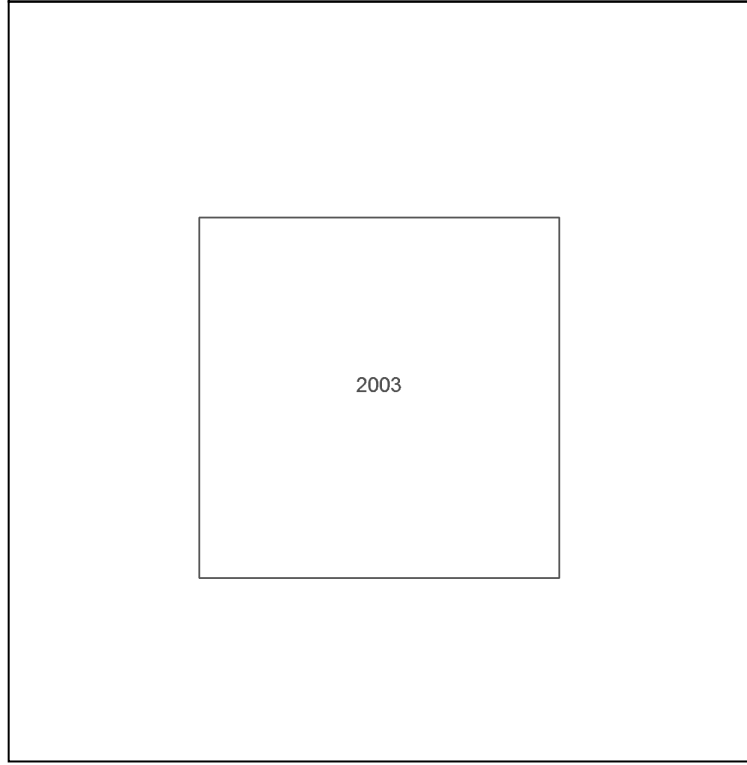
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Report Ref: GSIP-2020-10588-3214_1250scale_2_5
Grid Ref: 511561, 222489

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

Map Name: National Grid

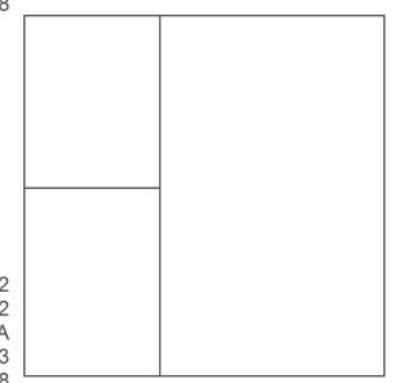
Map date: 1962-1963

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1962
 Revised 1962
 Edition N/A
 Copyright 1963
 Levelled 1958



Surveyed 1962
 Revised 1962
 Edition N/A
 Copyright 1963
 Levelled 1958

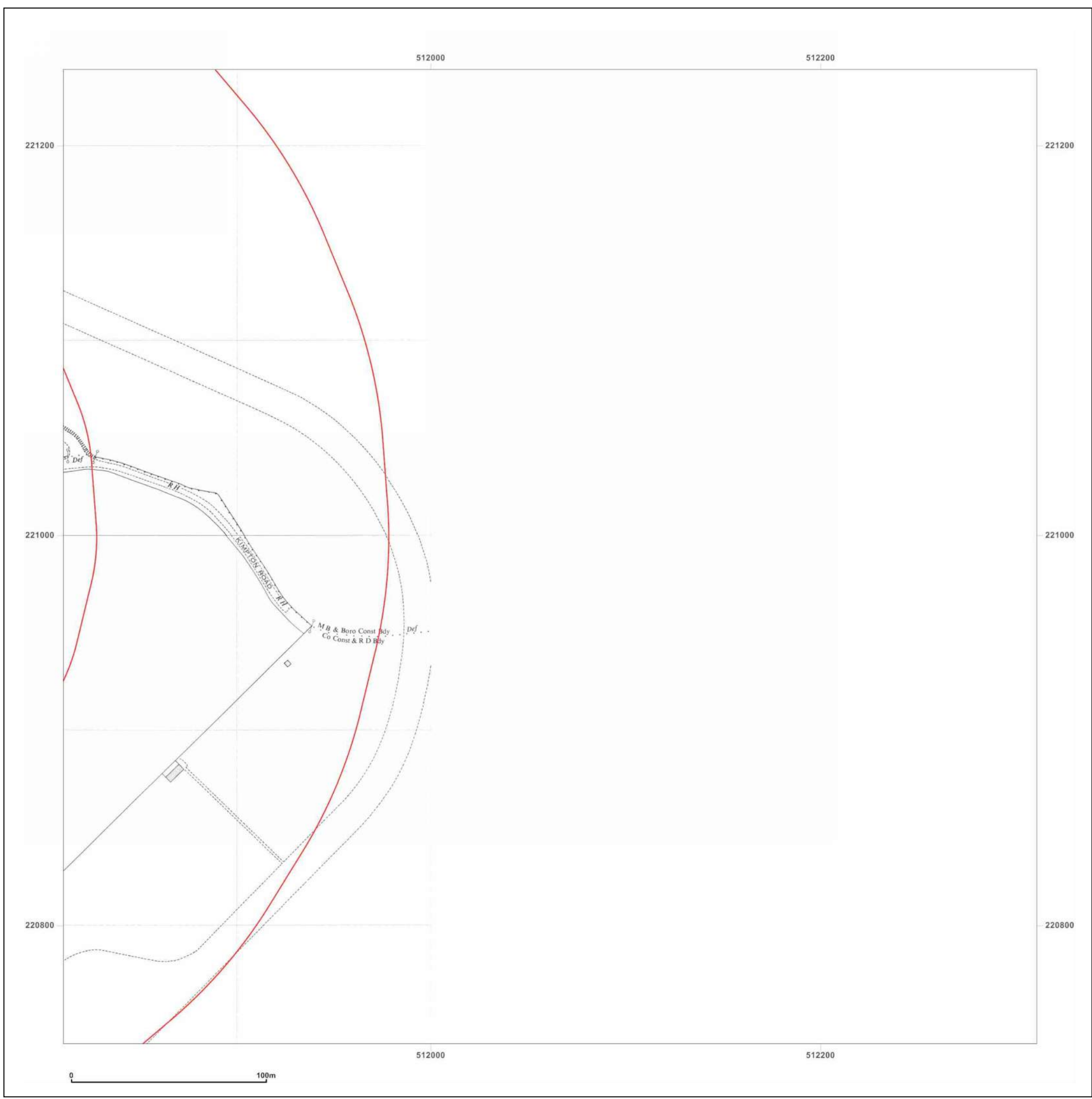


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

Map Name: National Grid

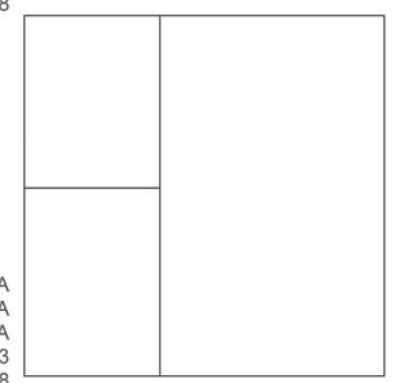
Map date: 1963-1968

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1962
 Revised 1967
 Edition N/A
 Copyright 1968
 Levelled 1958



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1963
 Levelled 1958

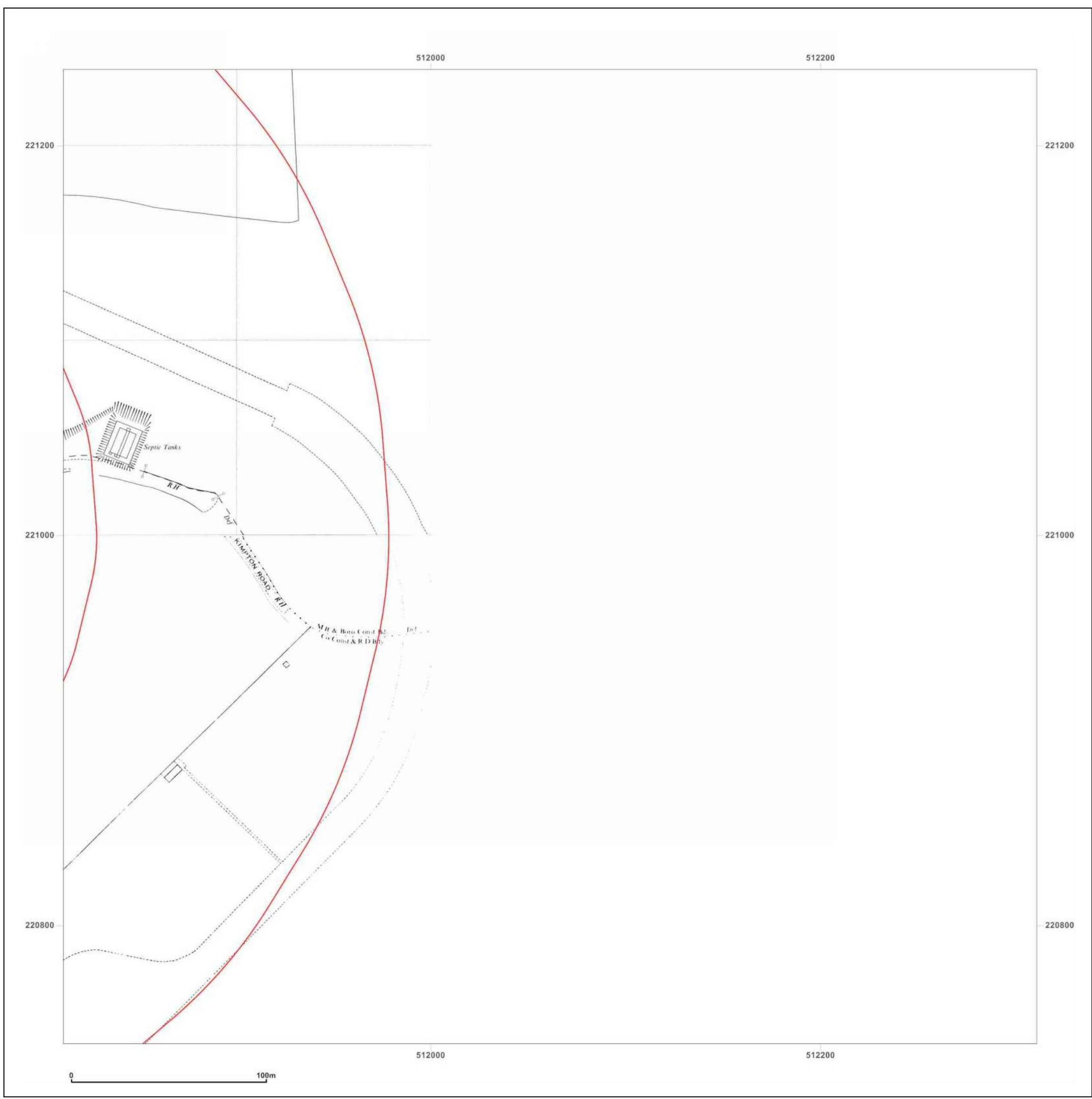


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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

Map Name: National Grid

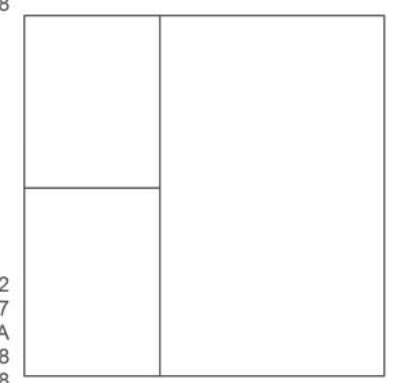
Map date: 1968-1973

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1962
 Revised 1973
 Edition N/A
 Copyright 1973
 Levelled 1958



Surveyed 1962
 Revised 1967
 Edition N/A
 Copyright 1968
 Levelled 1958

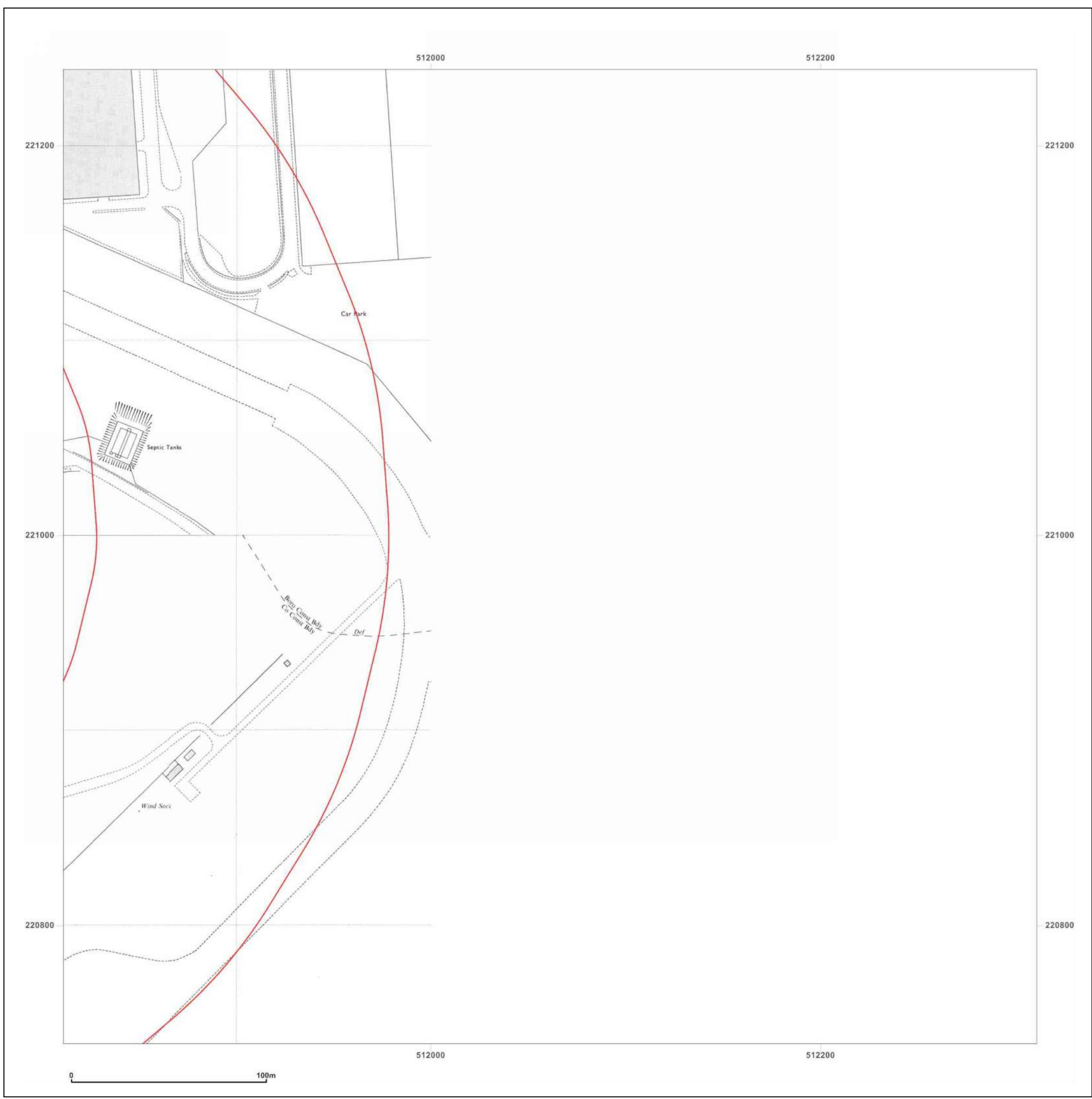


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989


Map Name: National Grid

Map date: 1973

Scale: 1:1,250

Printed at: 1:2,000





Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

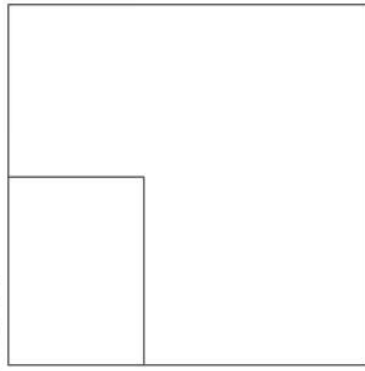
Map Name: National Grid

Map date: 1975

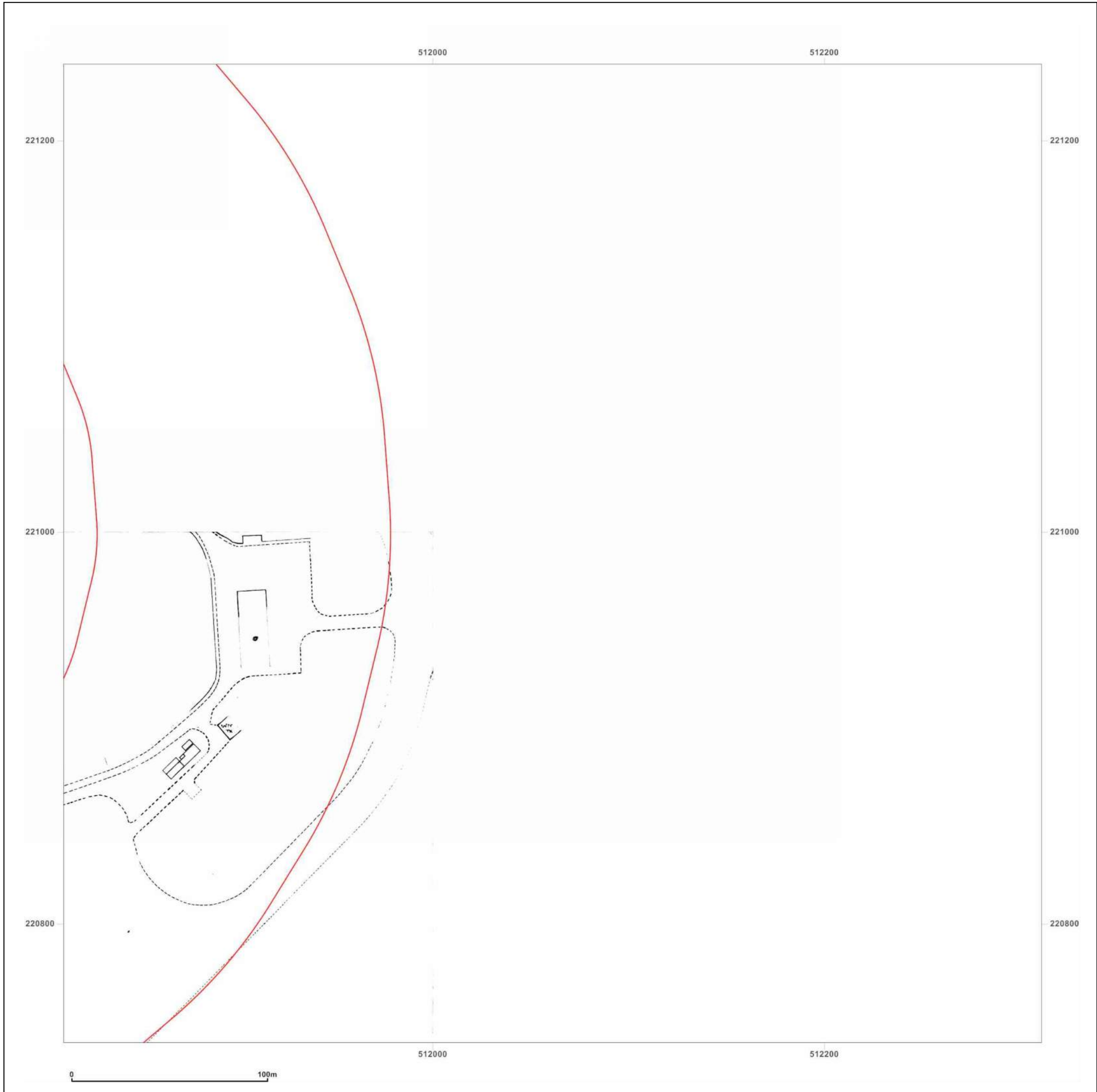
Scale: 1:1,250

Printed at: 1:2,000





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 Revised N/A
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

Map Name: National Grid

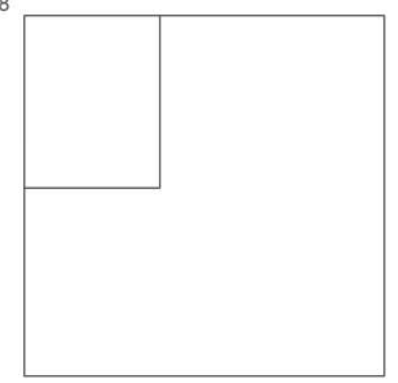
Map date: 1981

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1981
 Levelled 1958

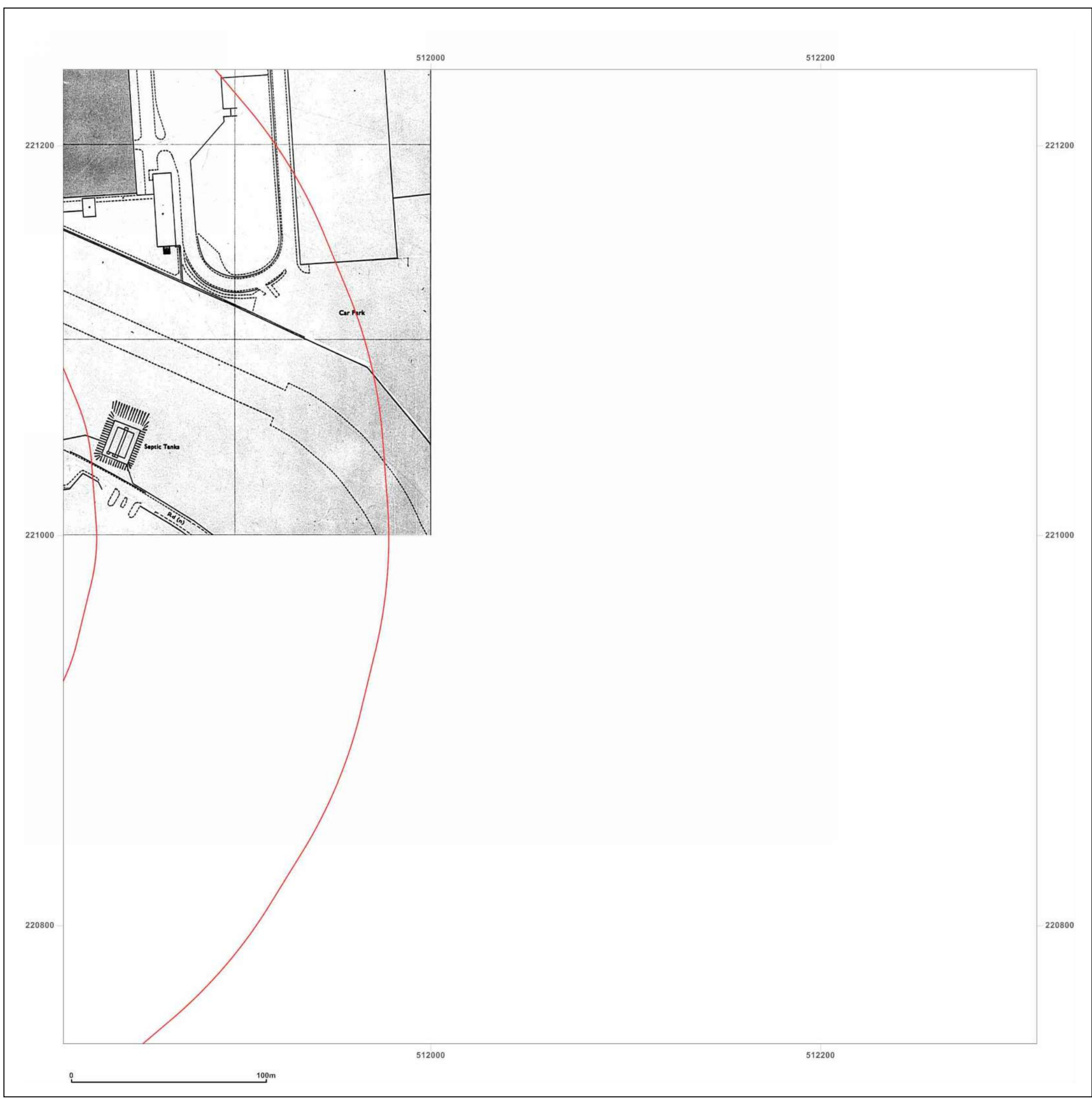


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Site Details:

Proposed Link Road - CPAR

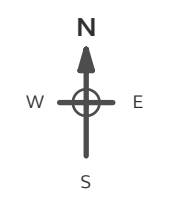
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Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

Map Name: National Grid

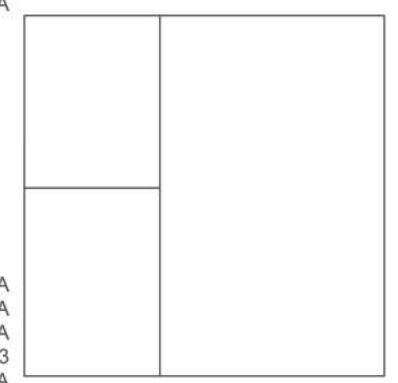
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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 Edition N/A
 Copyright 1993
 Levelled N/A



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 Edition N/A
 Copyright 1993
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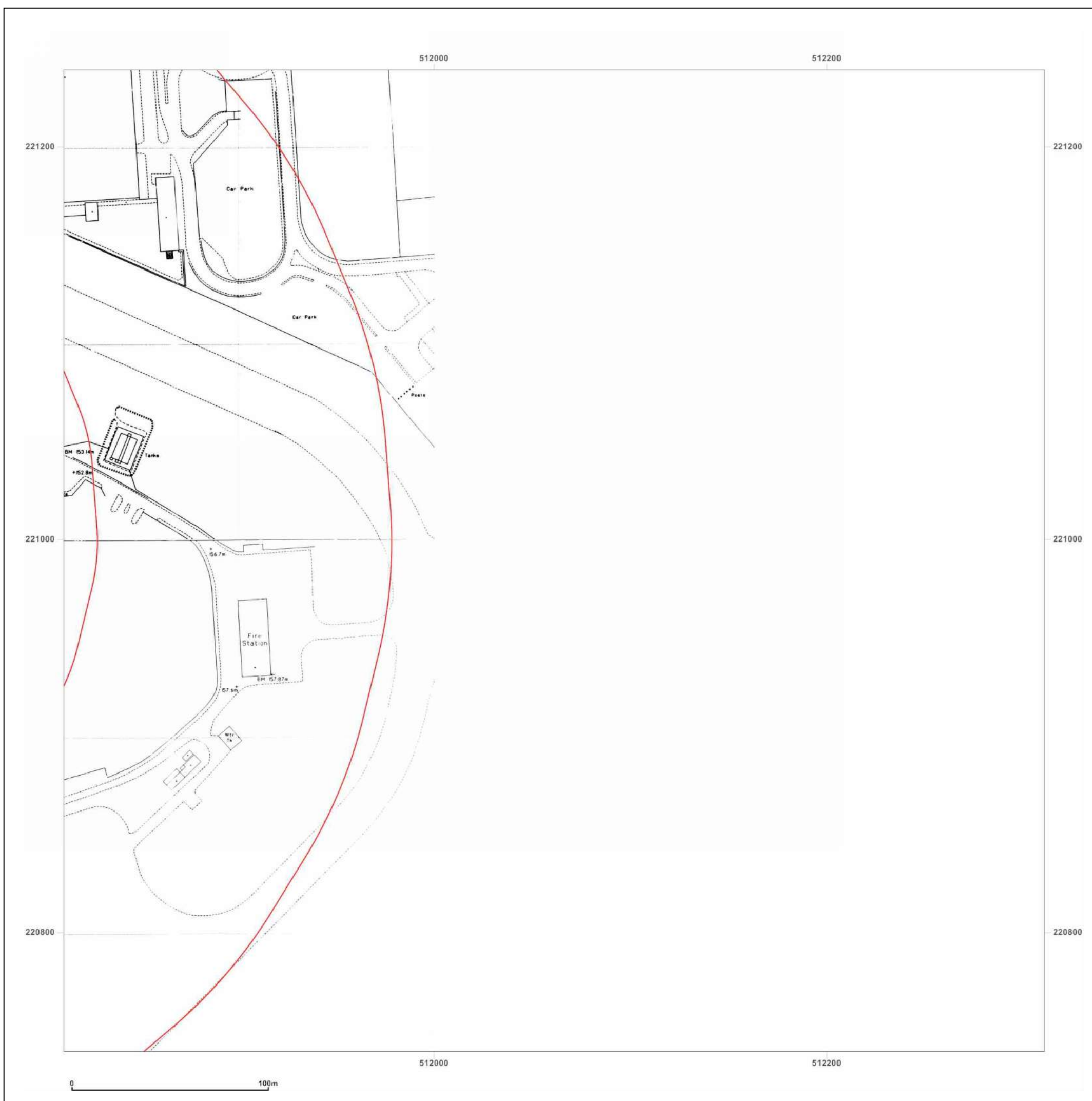


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

Map Name: National Grid

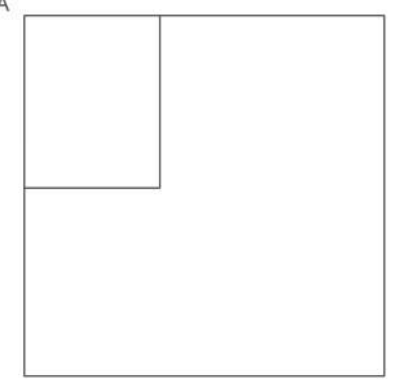
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

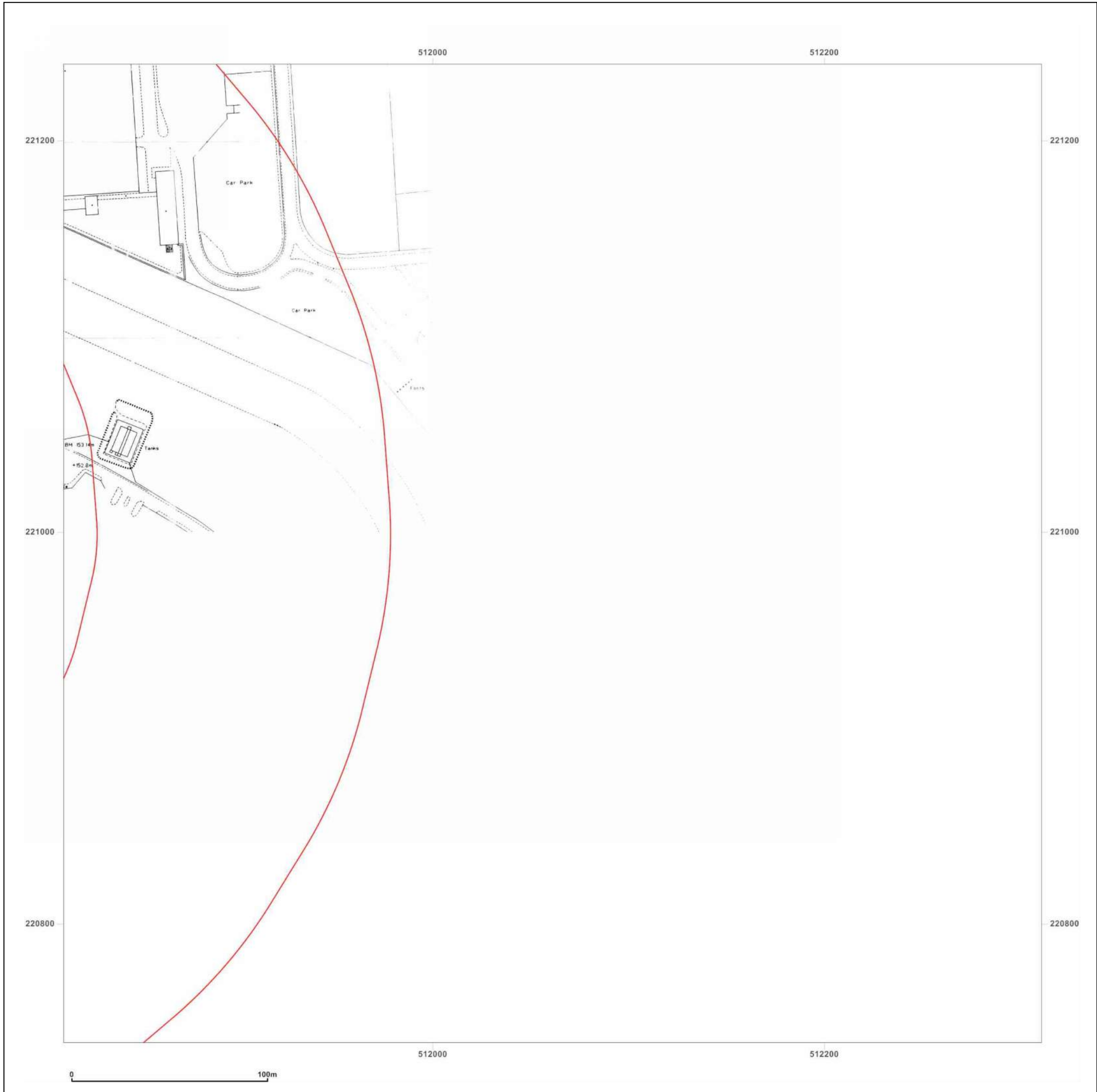


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

Map Name: National Grid

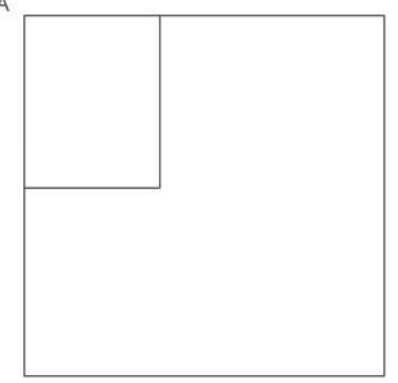
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

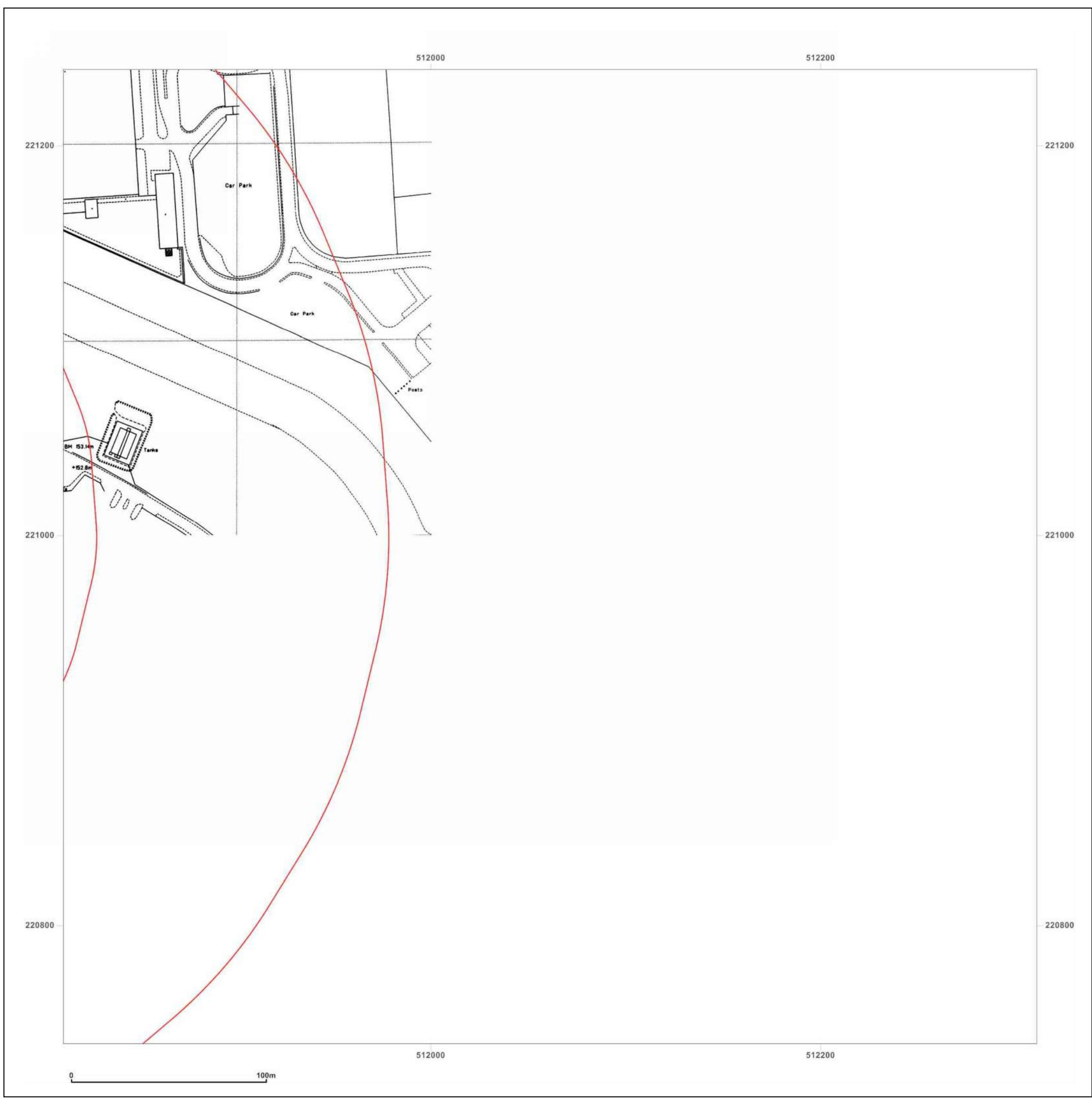


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

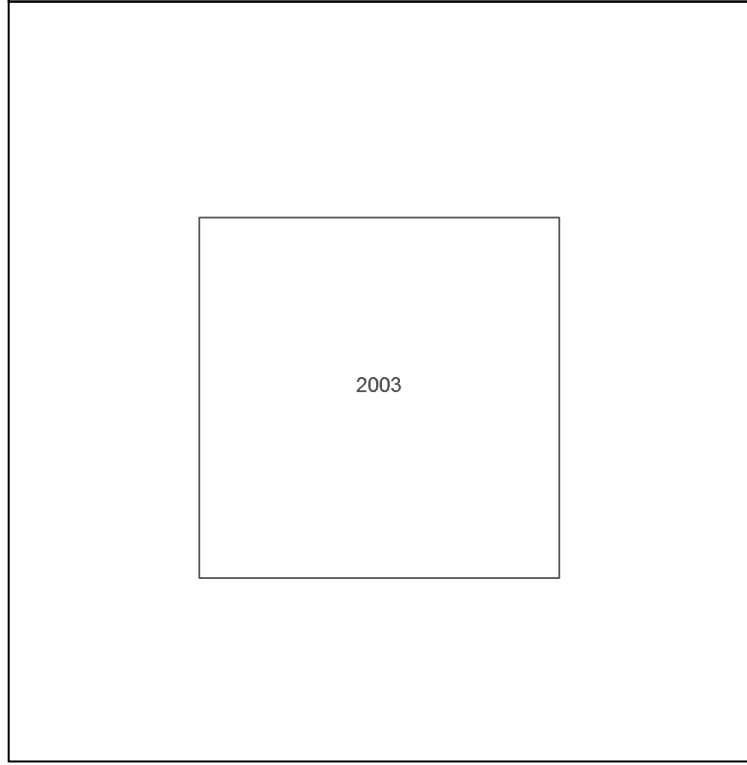
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_2
Grid Ref: 512061, 220989

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Map legend available at:
[\[REDACTED\]](#)

Site Details:

Proposed Link Road - CPAR

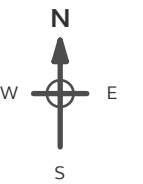
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Grid Ref: 512061, 221489

Map Name: National Grid

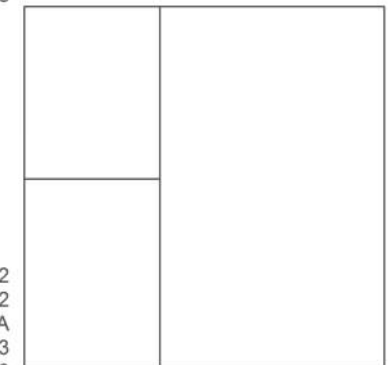
Map date: 1962-1963

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1961
 Edition N/A
 Copyright 1962
 Levelled 1958



Surveyed 1962
 Revised 1962
 Edition N/A
 Copyright 1963
 Levelled 1958

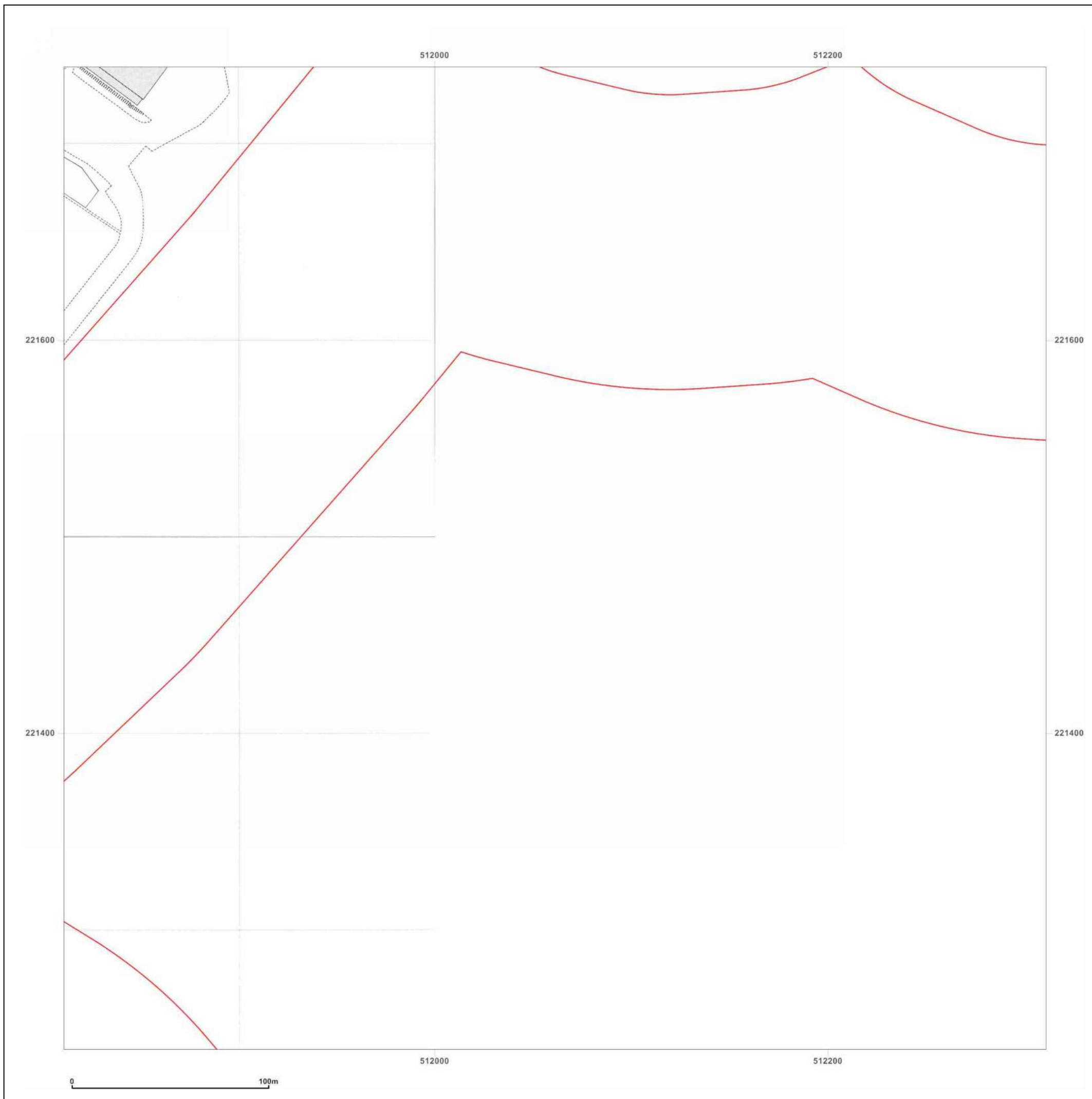


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Production date: 23 November 2020

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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

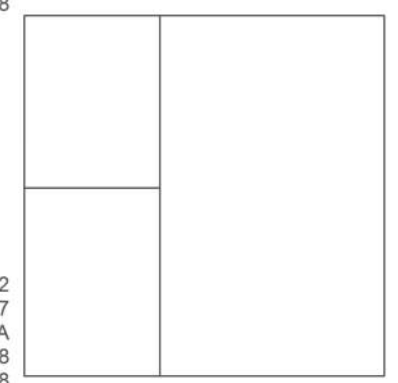
Map date: 1967-1968

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1967
 Edition N/A
 Copyright 1968
 Levelled 1958



Surveyed 1962
 Revised 1967
 Edition N/A
 Copyright 1968
 Levelled 1958

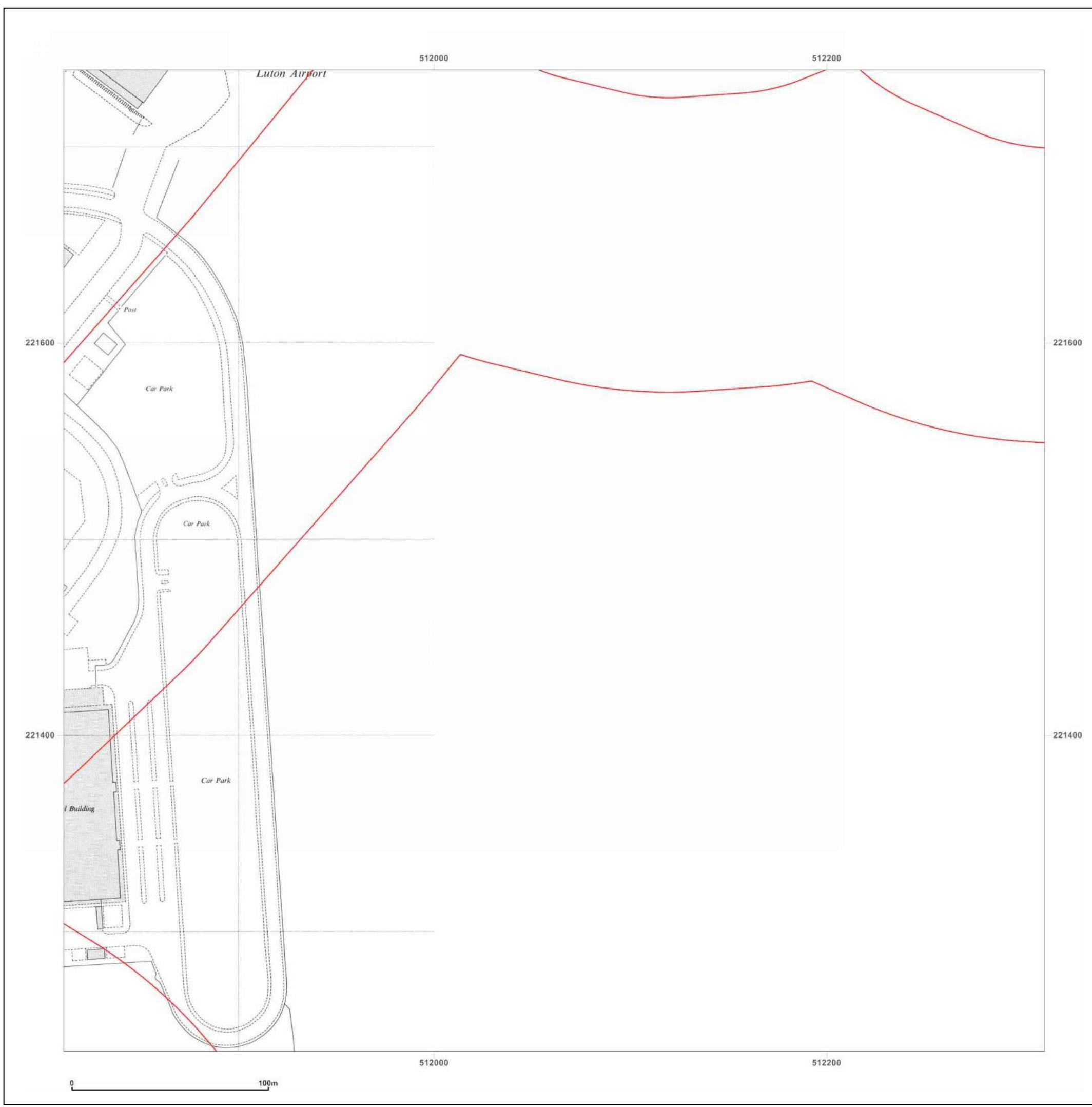


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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

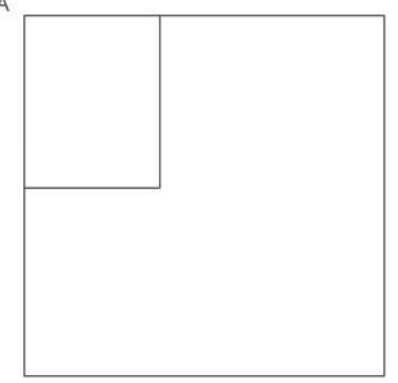
Map date: 1968

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1968
 Levelled N/A

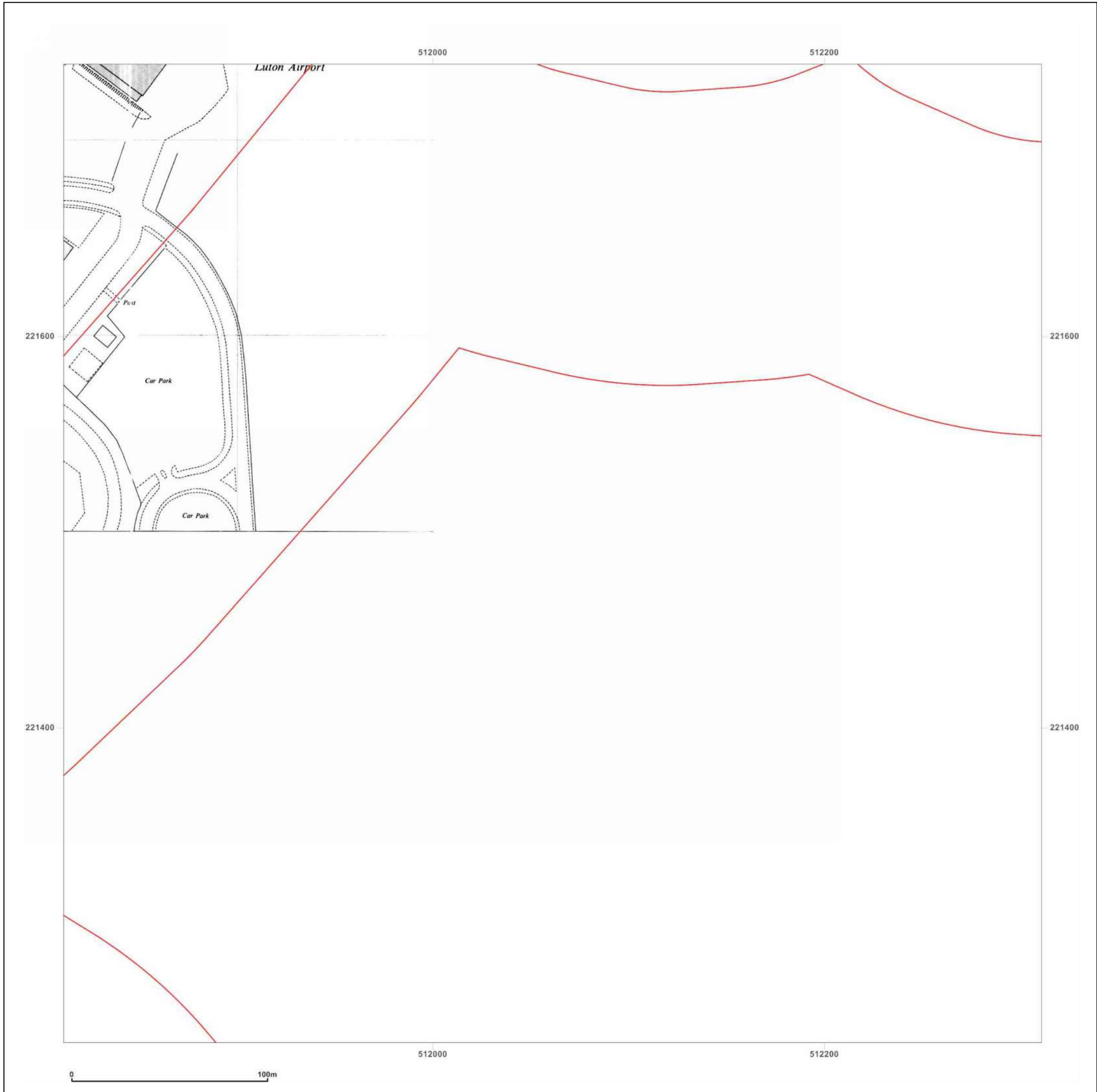


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Production date: 23 November 2020

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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

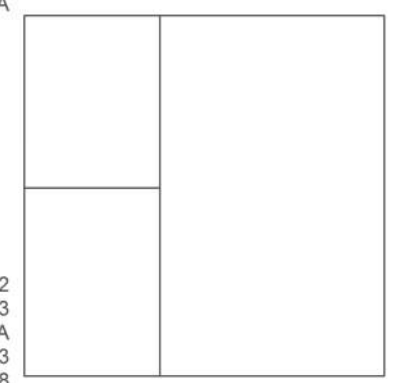
Map date: 1968-1973

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1962
 Revised 1973
 Edition N/A
 Copyright 1973
 Levelled 1958

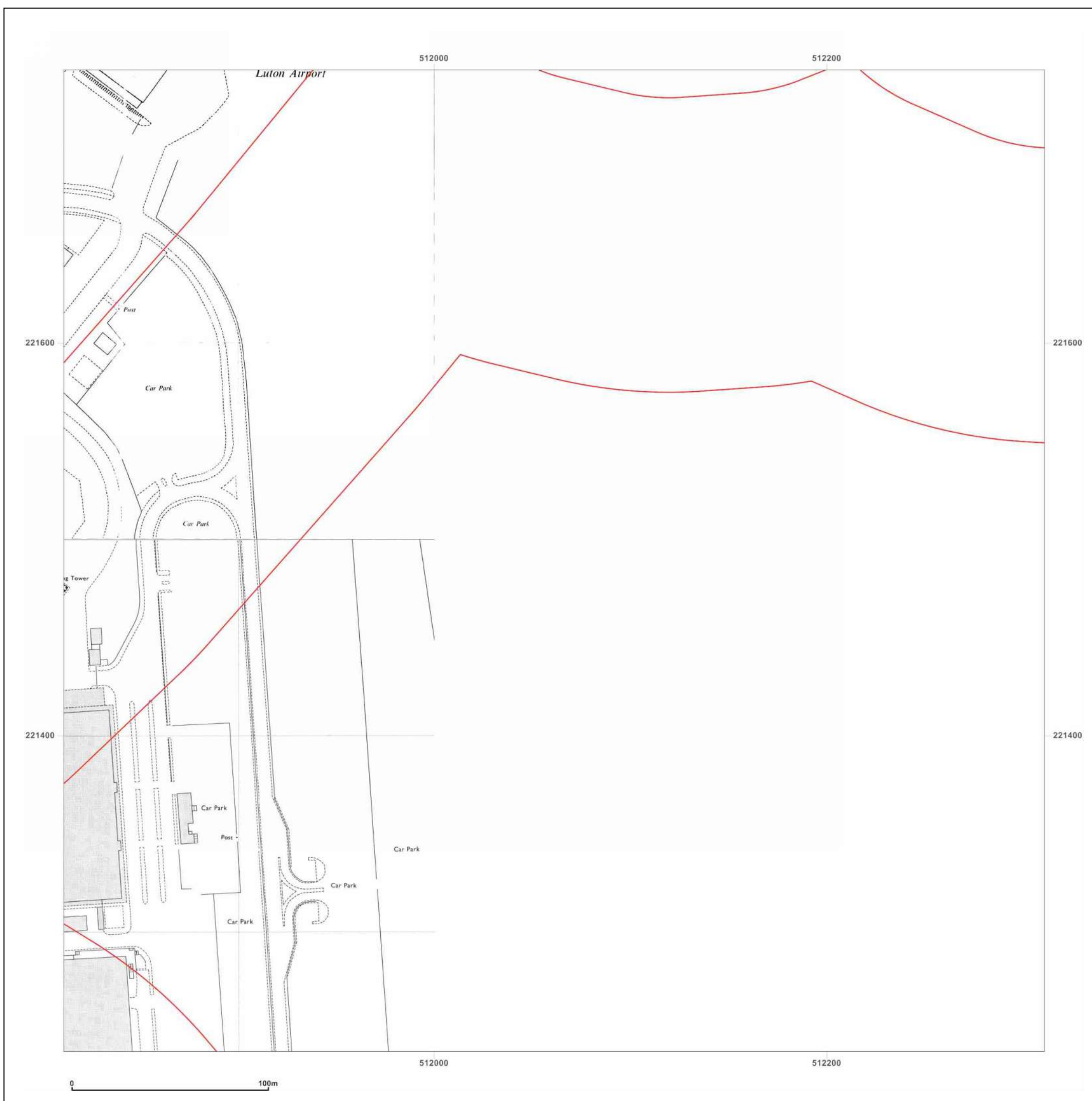


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

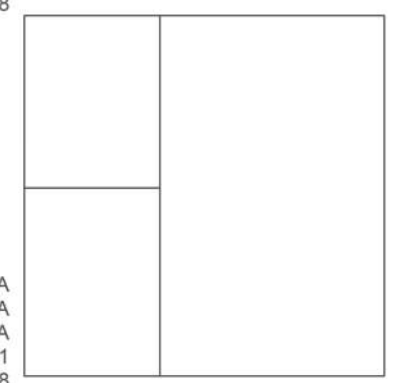
Map date: 1981

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1981
 Levelled 1958



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1981
 Levelled 1958

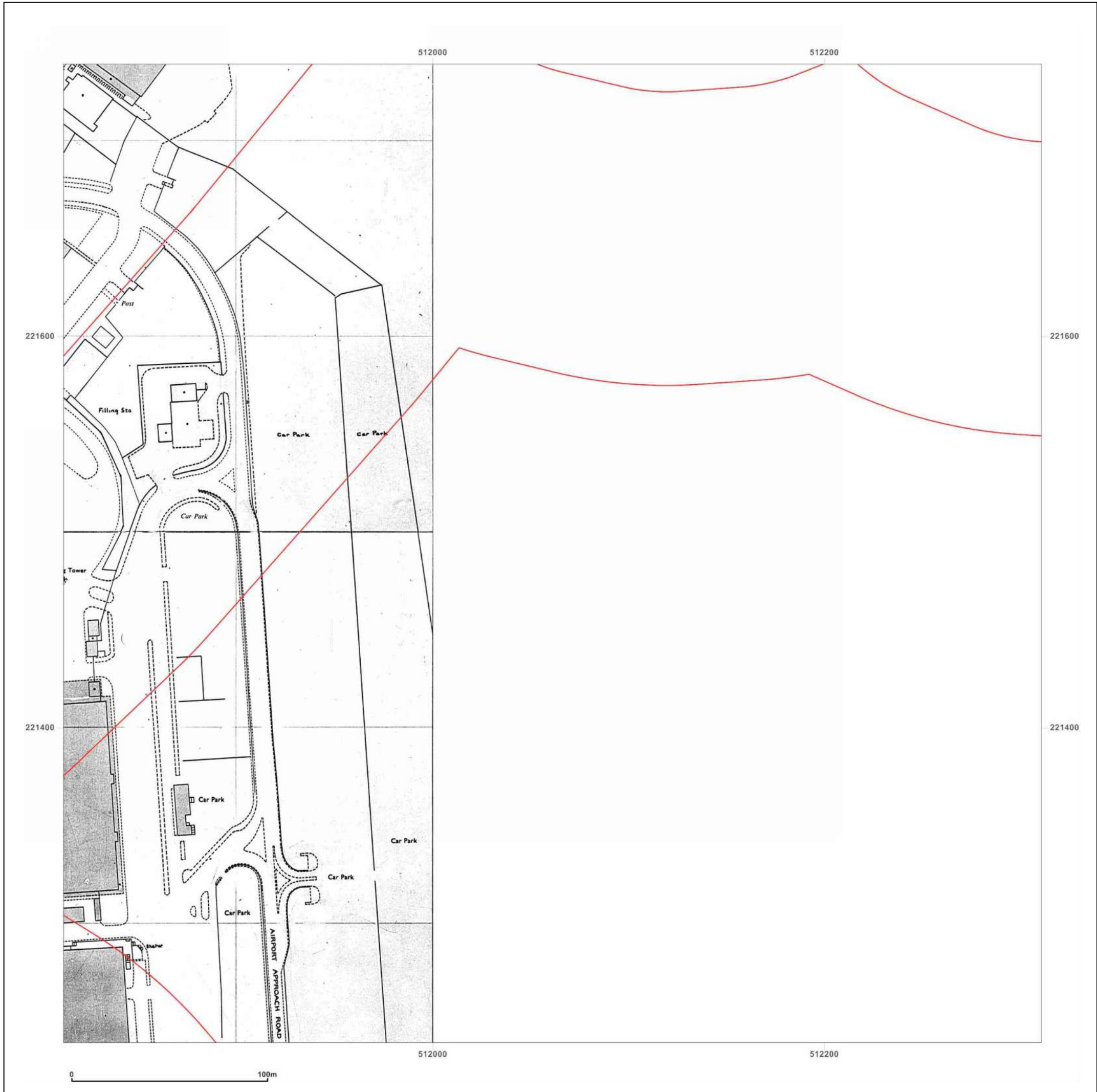


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Site Details:

Proposed Link Road - CPAR

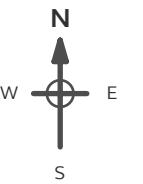
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Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

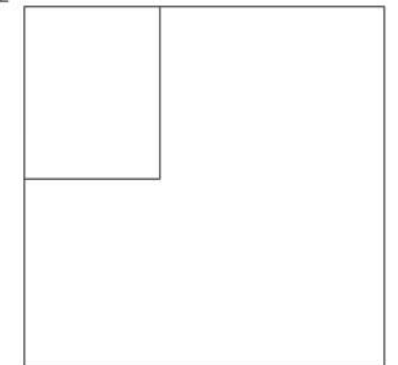
Map date: 1987

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1982
 Revised 1987
 Edition N/A
 Copyright 1987
 Levelled 1982

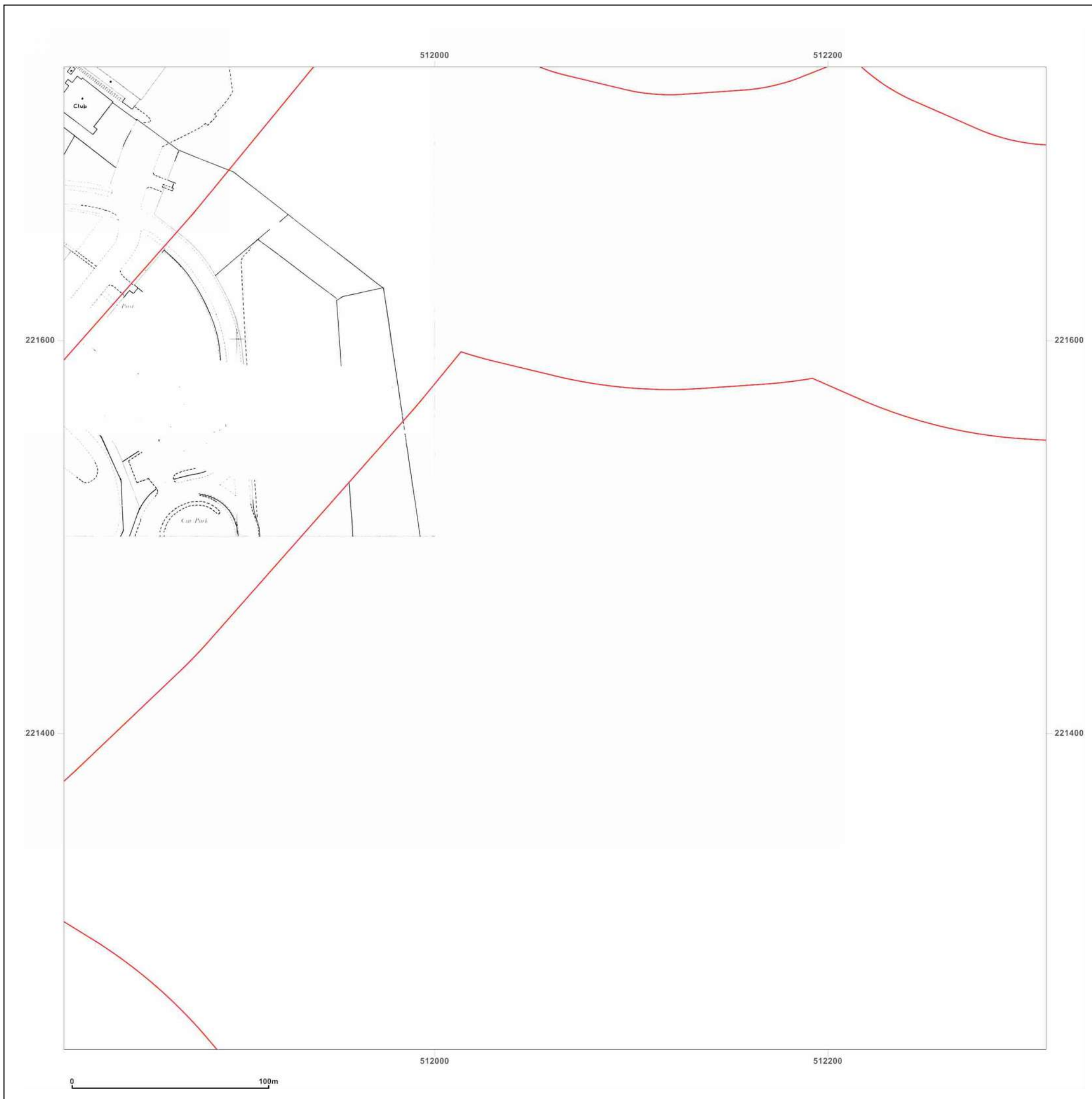


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

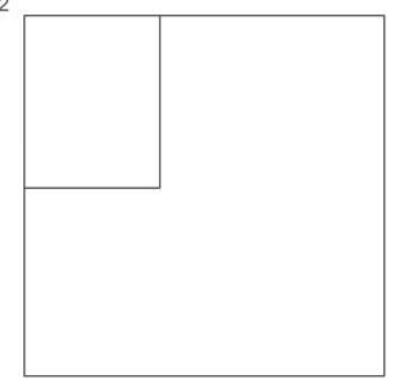
Map date: 1987

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1982
 Revised 1987
 Edition N/A
 Copyright 1987
 Levelled 1982

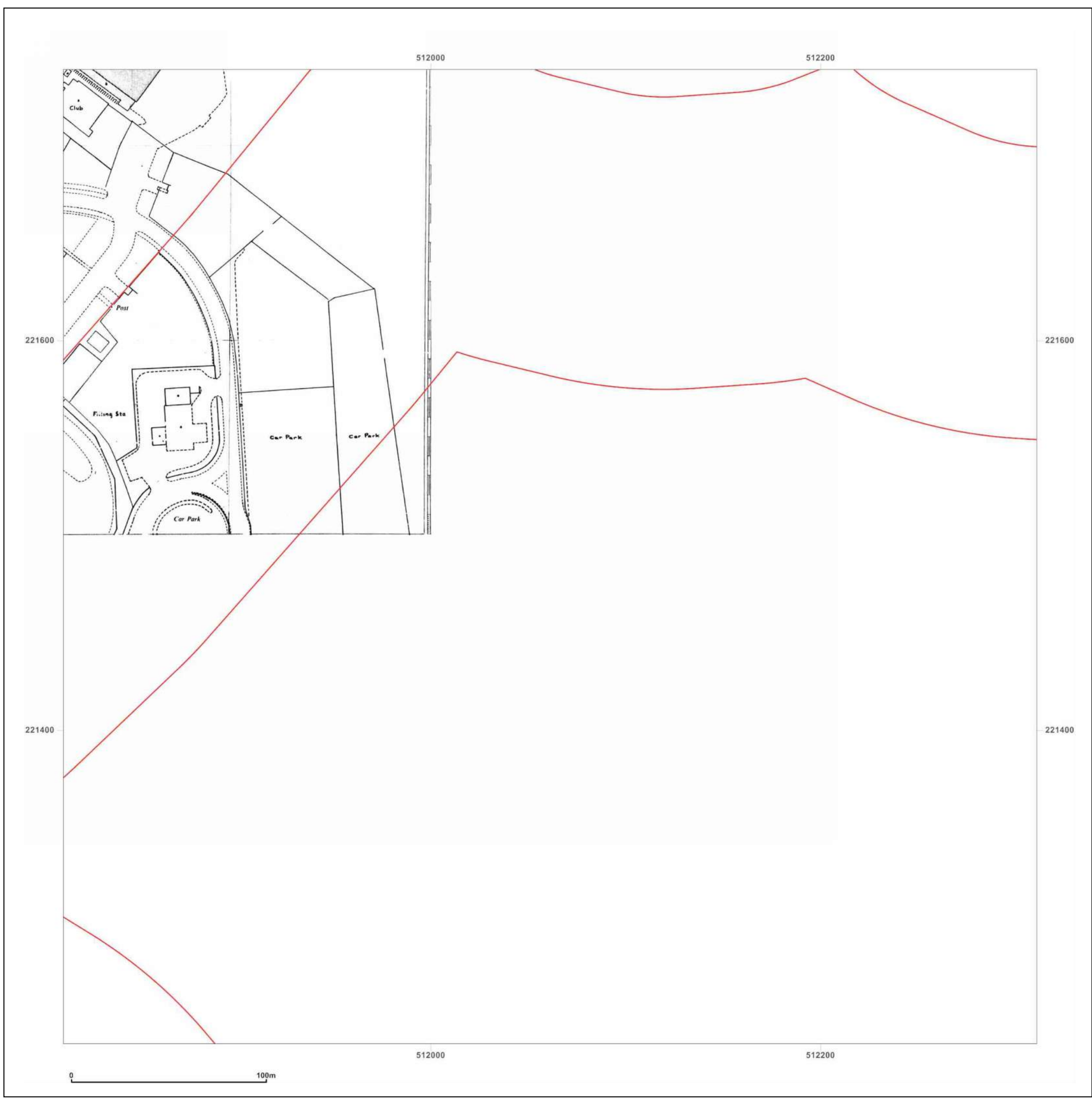


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

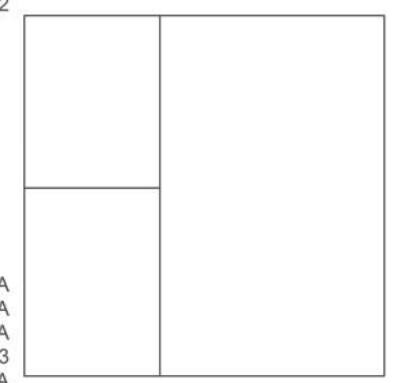
Map date: 1991-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1991
 Levelled 1982



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

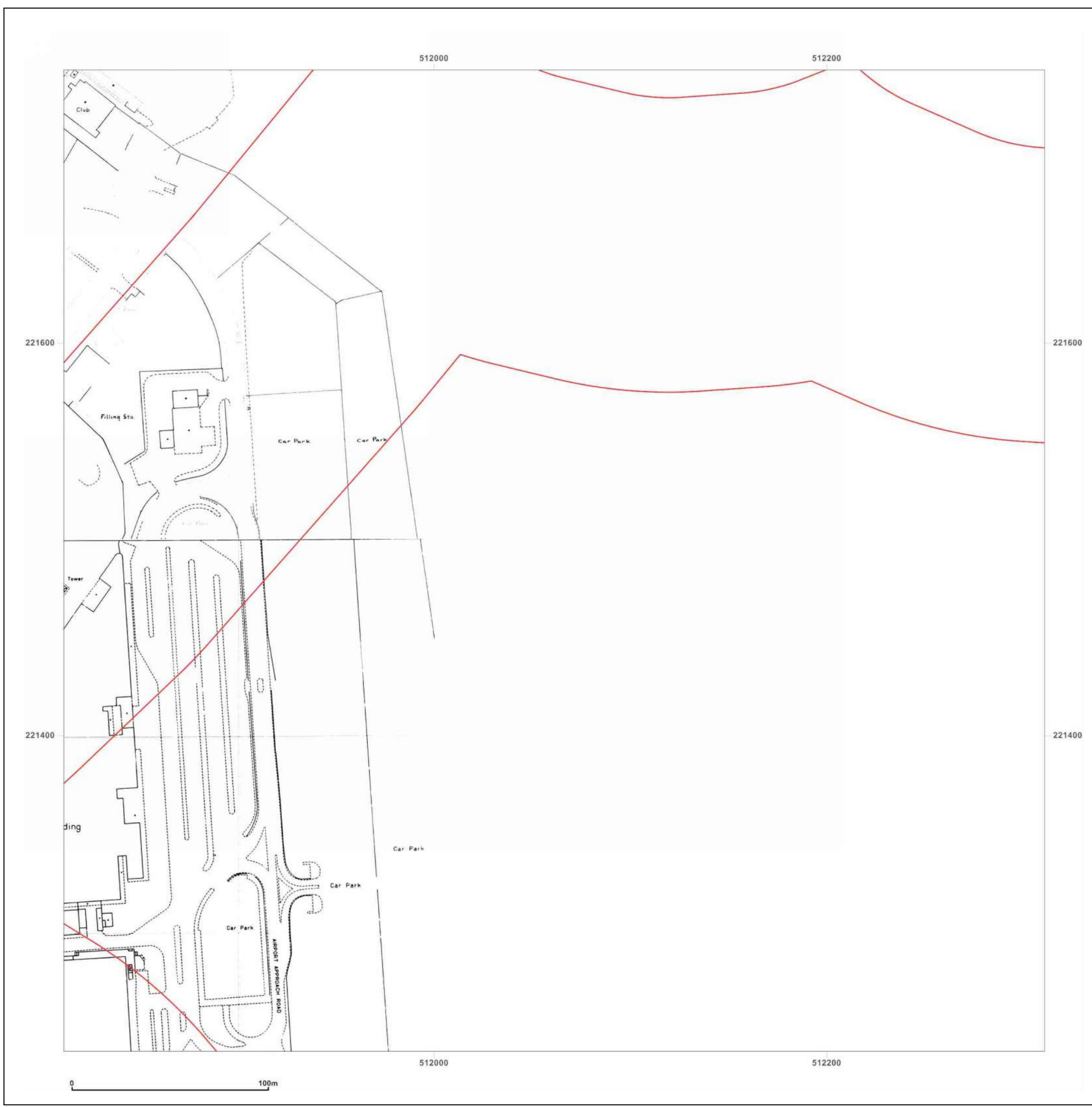


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

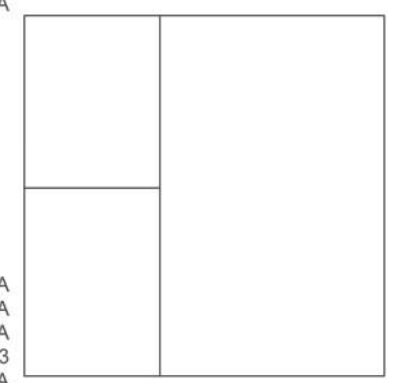
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

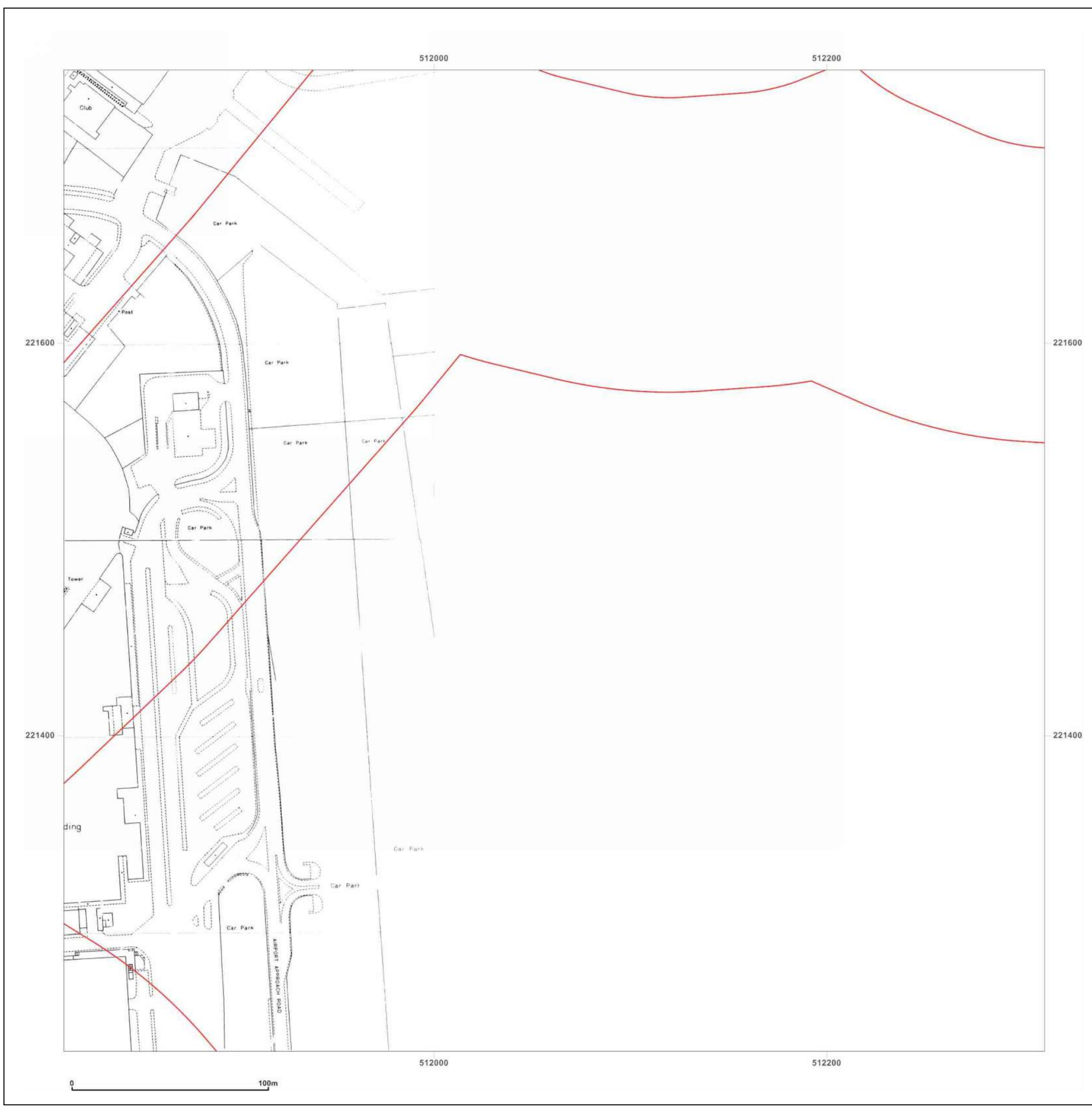


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

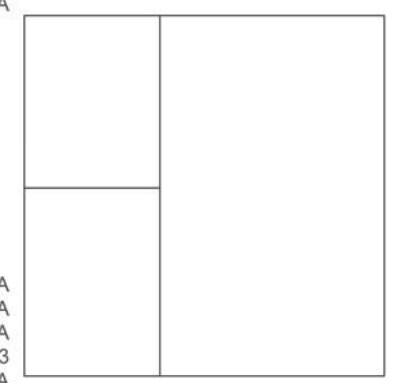
Map date: 1993-1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1994
 Levelled N/A



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

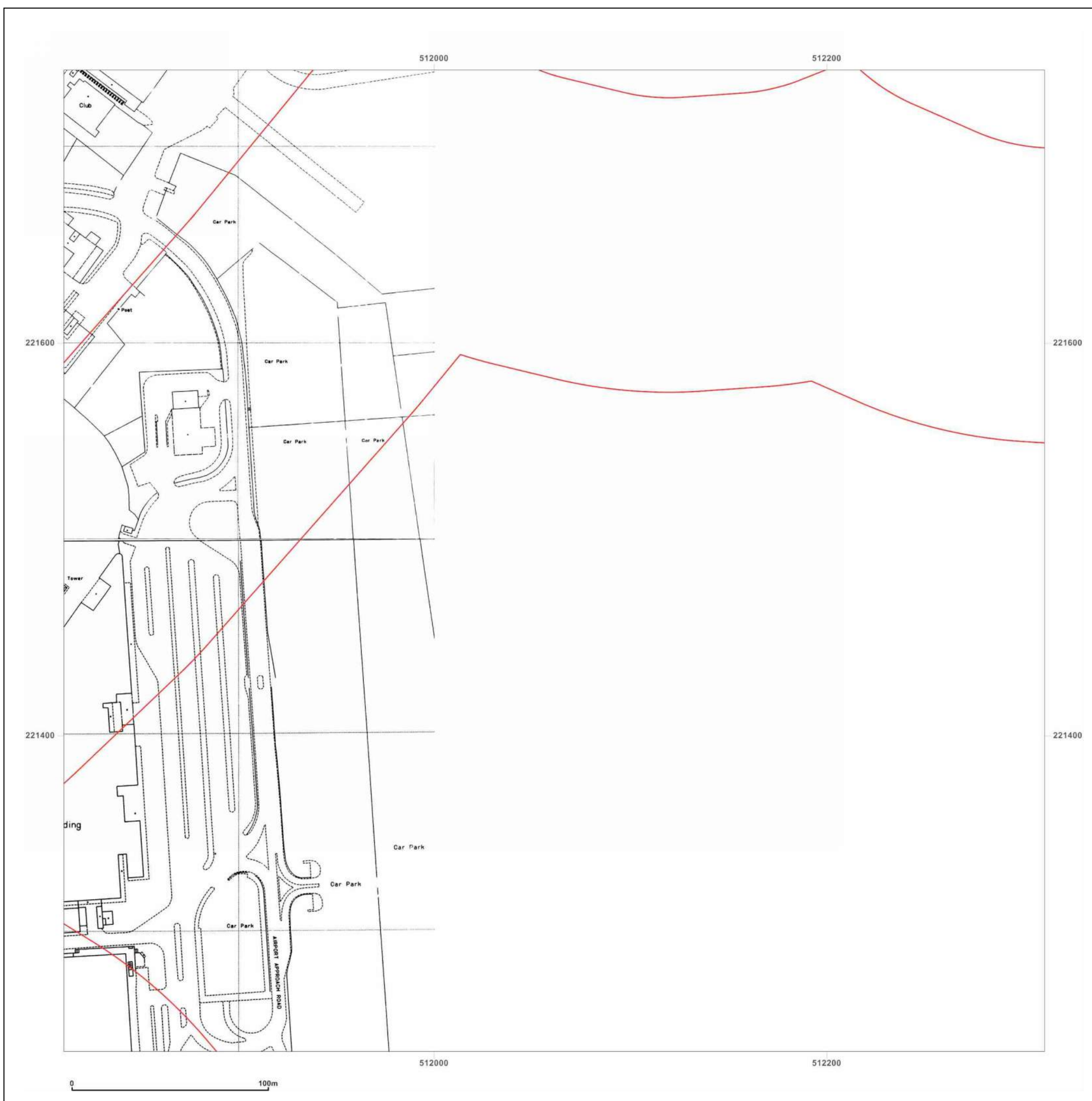


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: National Grid

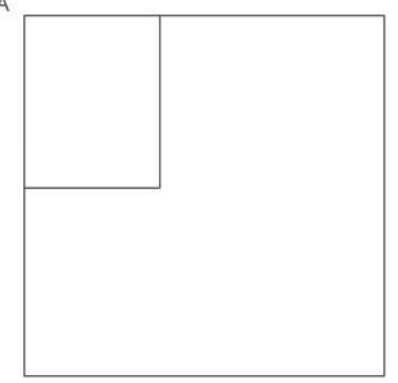
Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

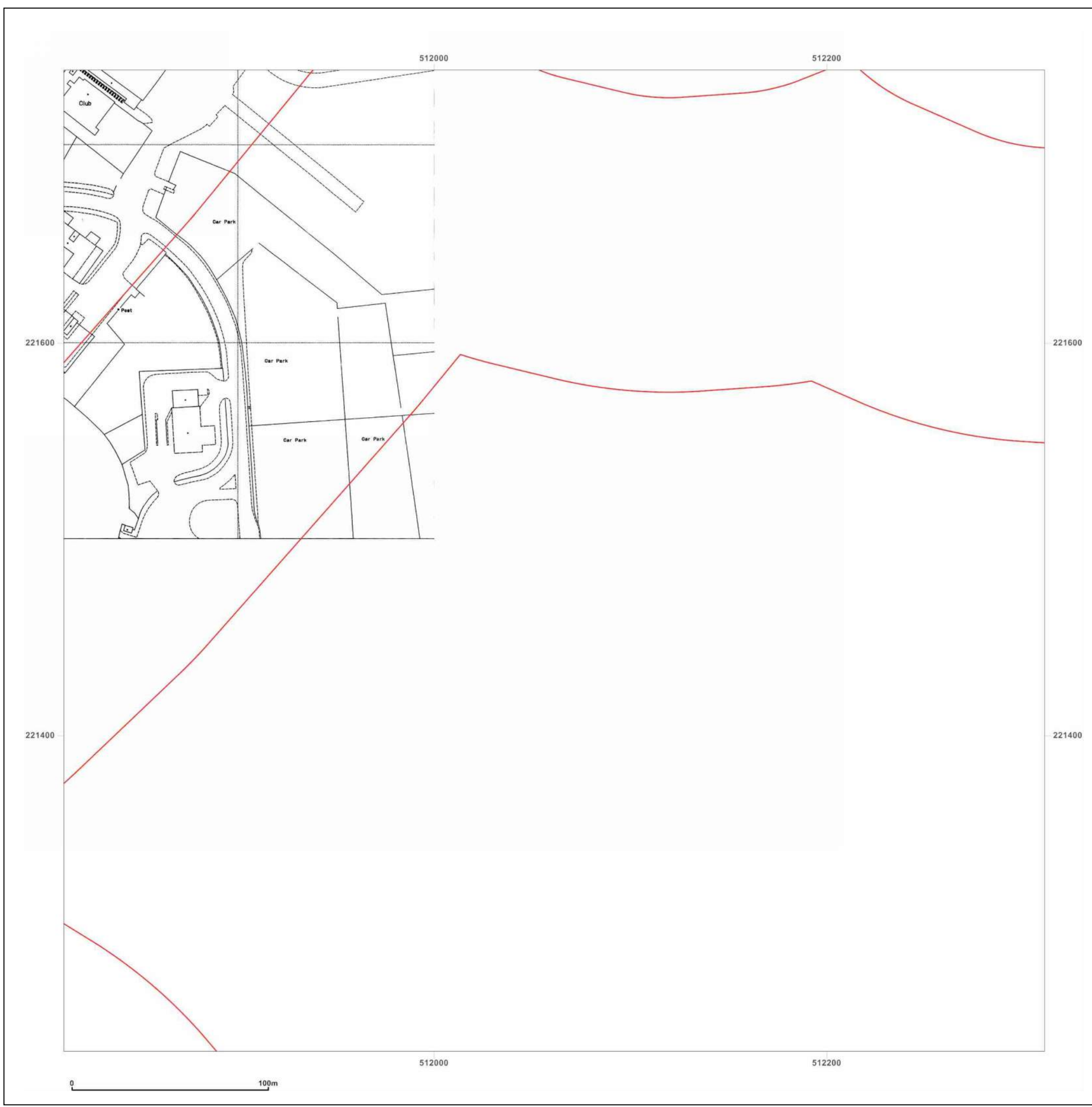


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Site Details:

Proposed Link Road - CPAR

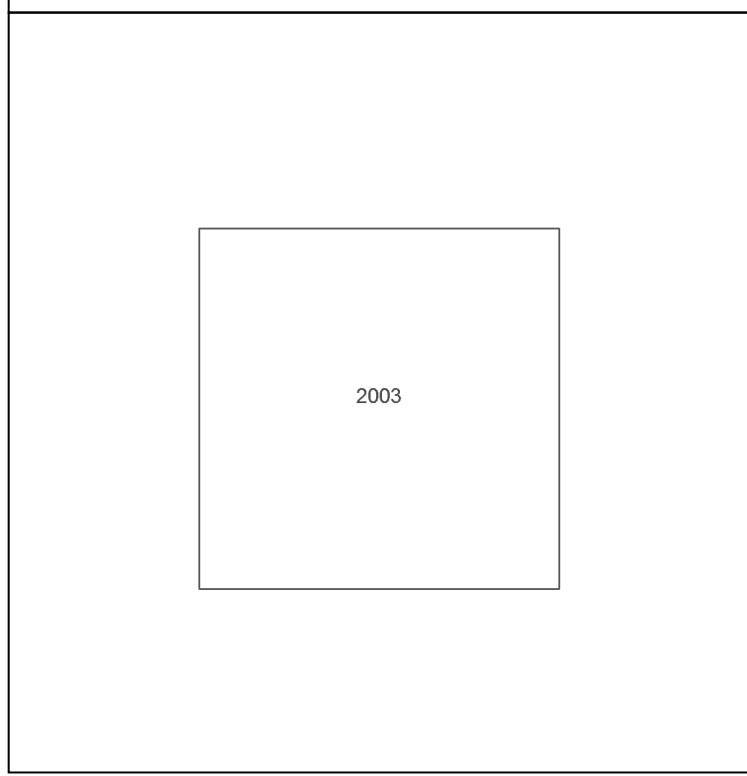
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_3
Grid Ref: 512061, 221489

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

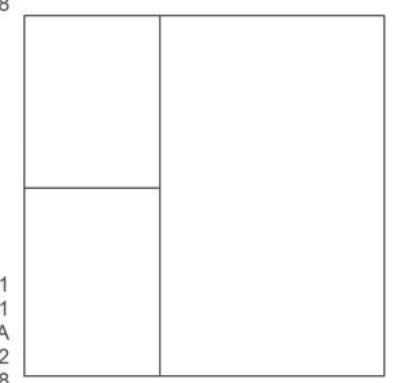
Map date: 1962

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1961
 Edition N/A
 Copyright 1962
 Levelled 1958



Surveyed 1961
 Revised 1961
 Edition N/A
 Copyright 1962
 Levelled 1958

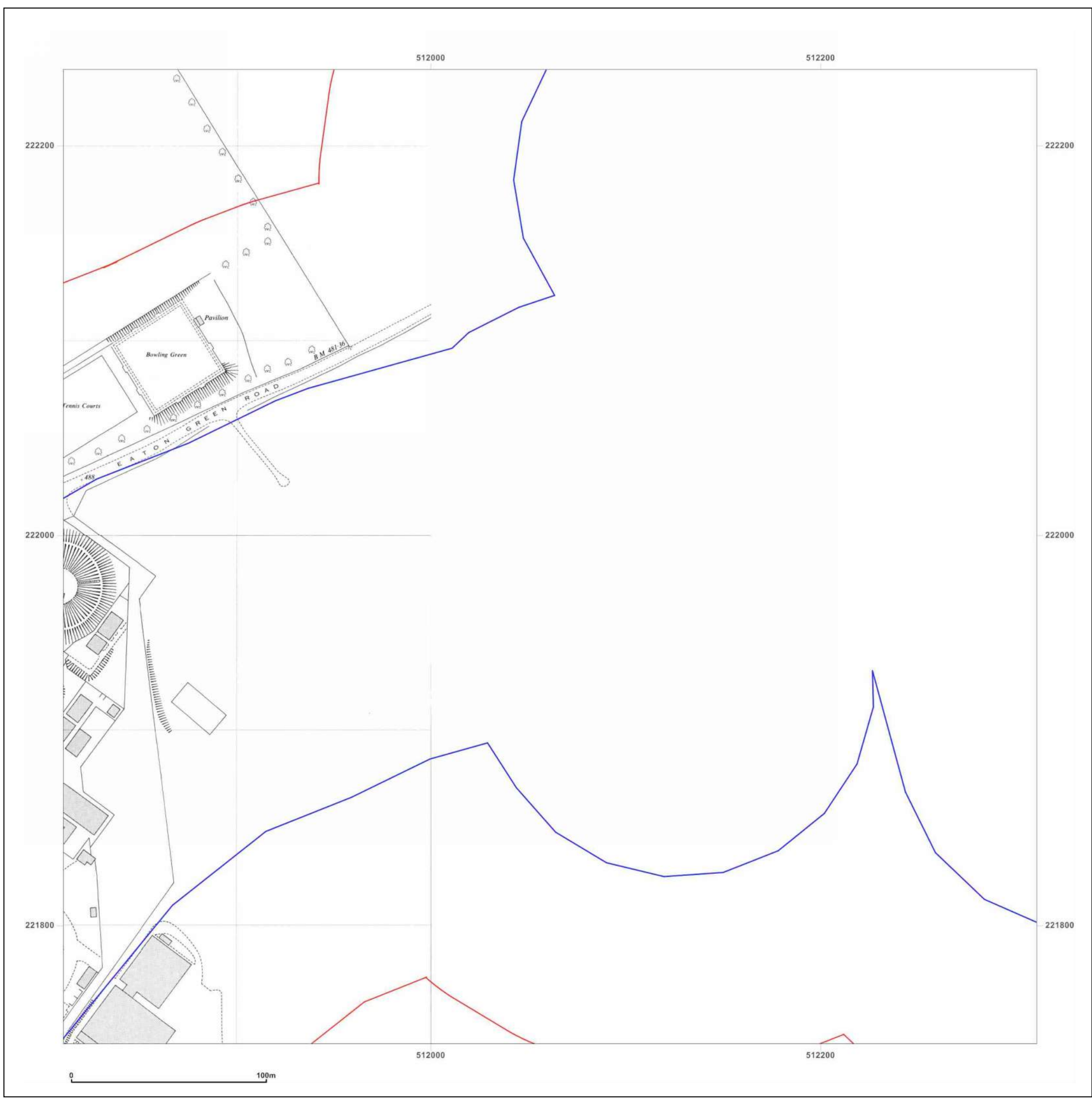


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Site Details:

Proposed Link Road - CPAR

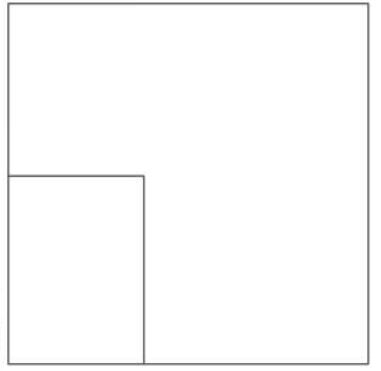
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

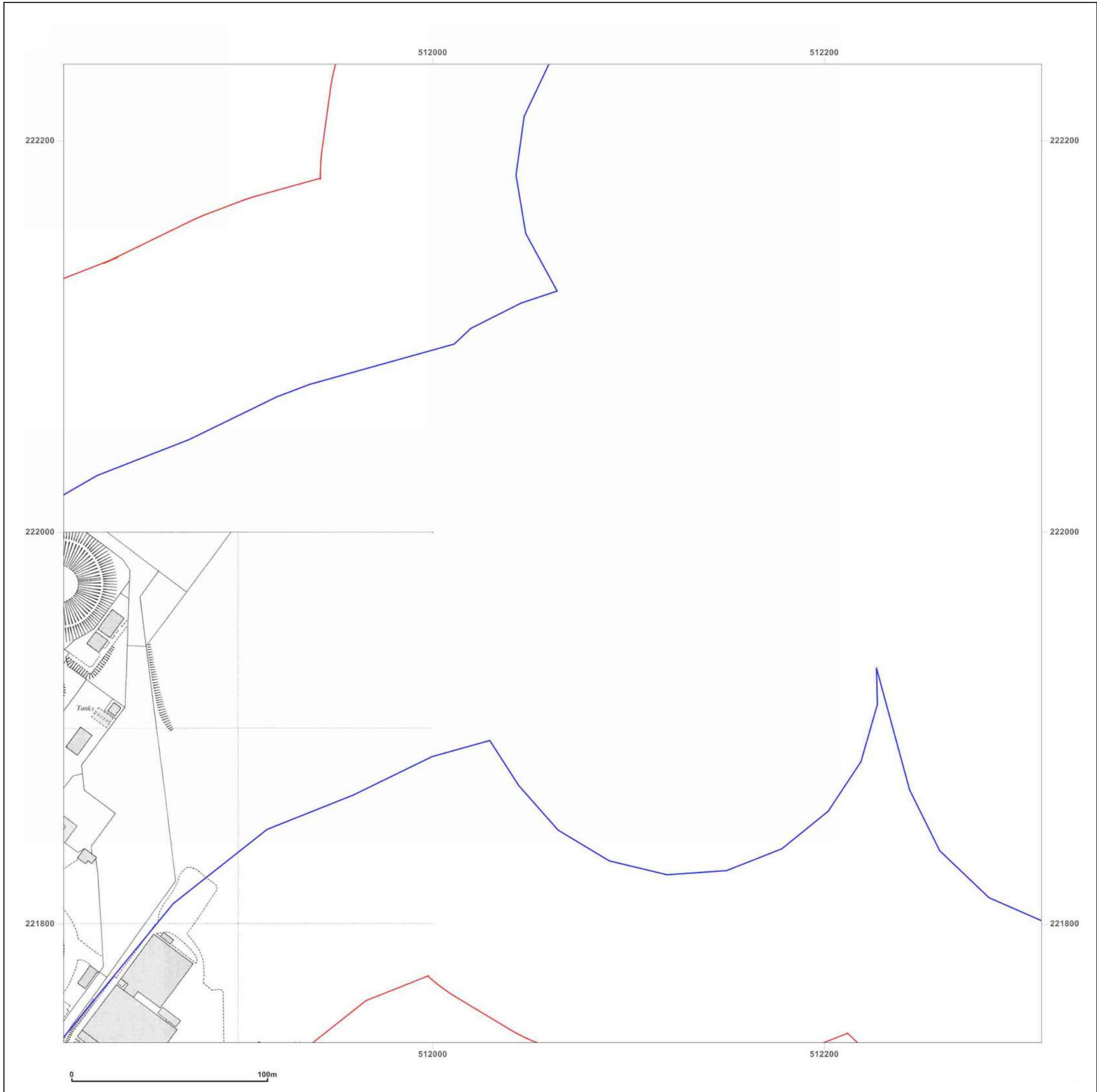
Map date: 1967

Scale: 1:1,250

Printed at: 1:2,000

Surveyed 1961
 Revised 1967
 Edition N/A
 Copyright 1968
 Levelled 1958



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

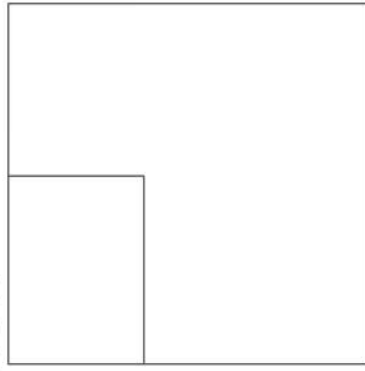
Map Name: National Grid

Map date: 1968

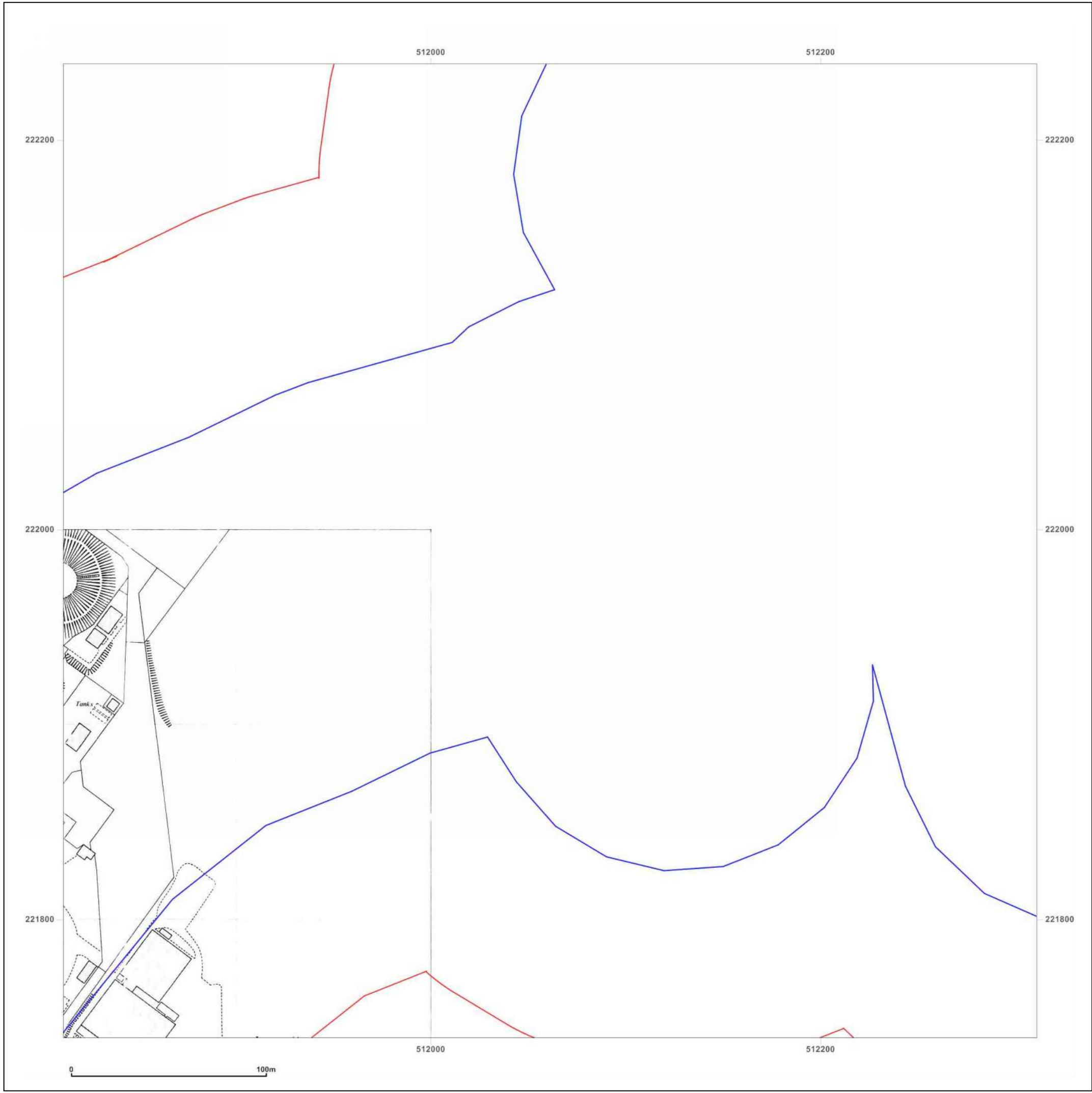
Scale: 1:1,250

Printed at: 1:2,000





Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

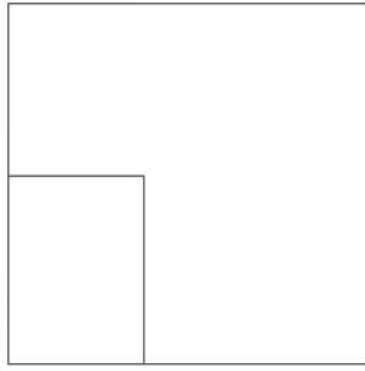
Map Name: National Grid

Map date: 1968

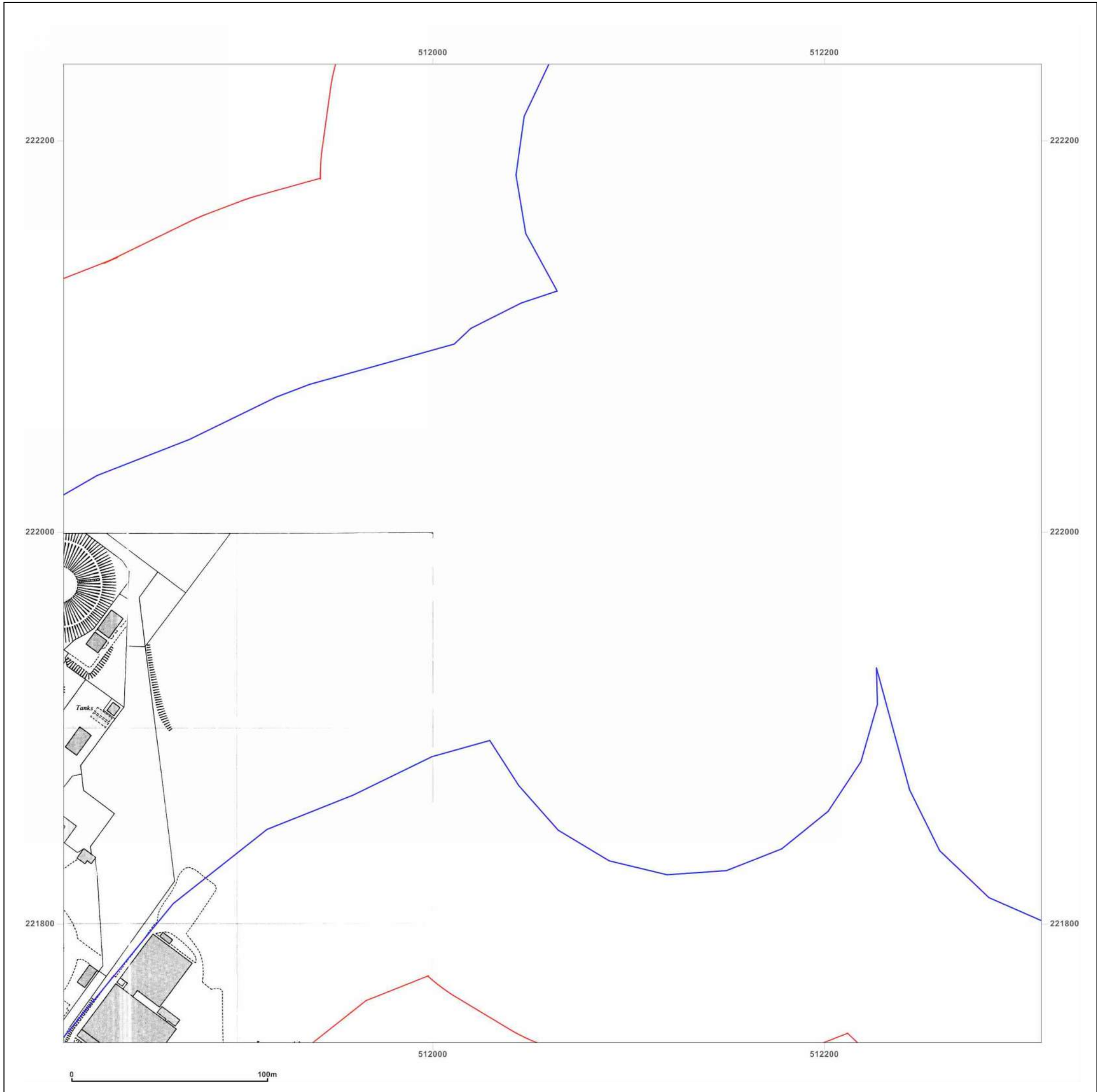
Scale: 1:1,250

Printed at: 1:2,000





Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1968
 Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

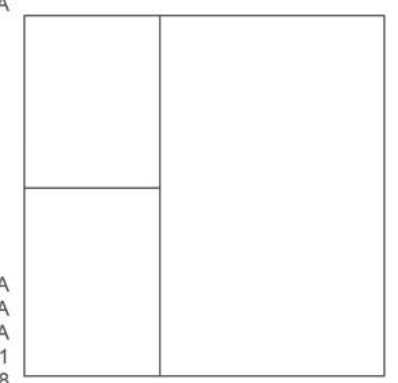
Map date: 1978-1981

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1978
 Levelled N/A



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1981
 Levelled 1958

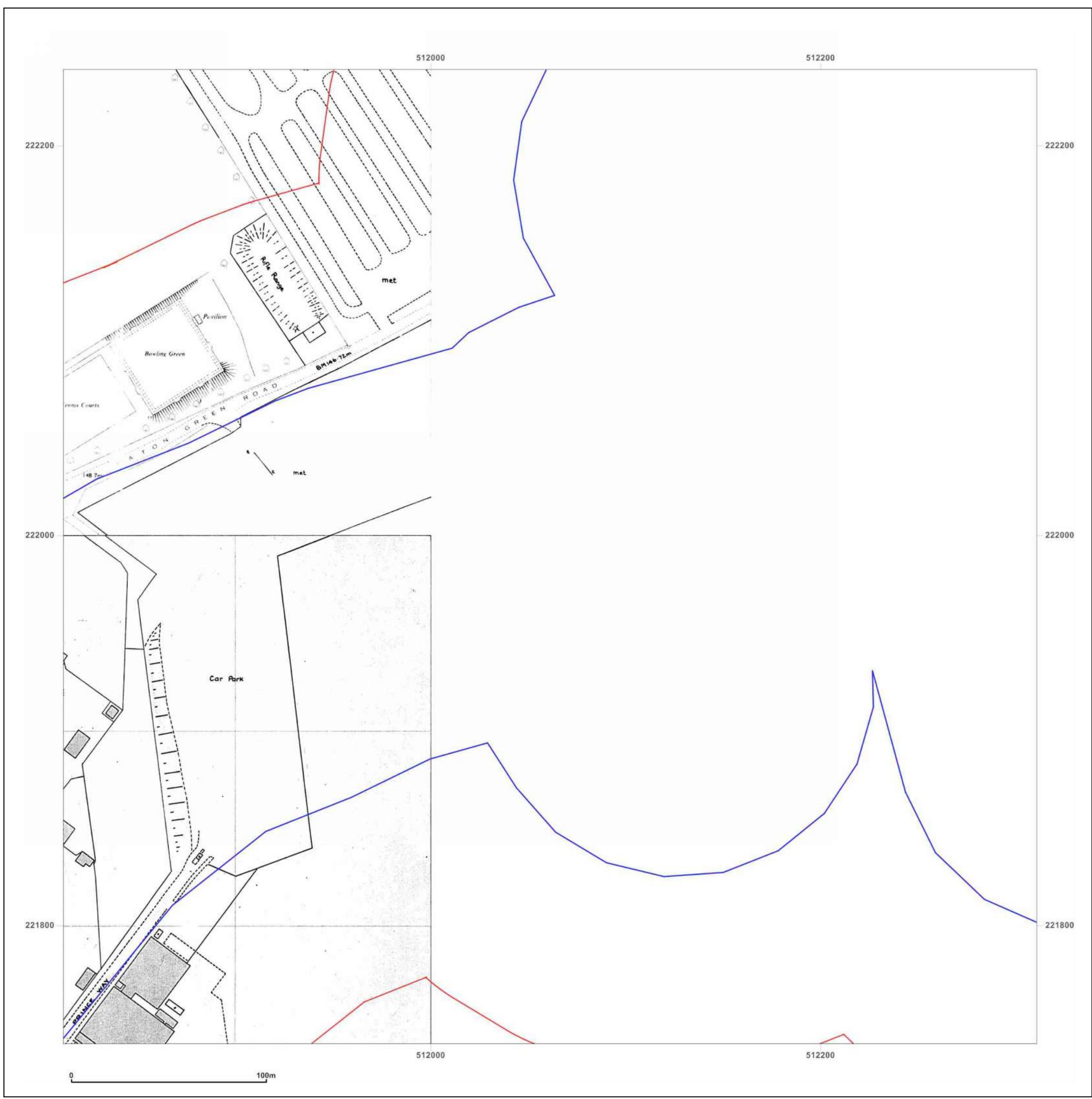


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

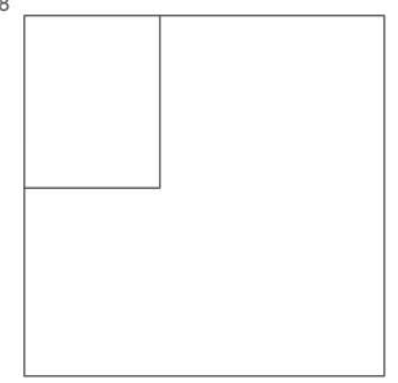
Map date: 1981

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1981
 Levelled 1958

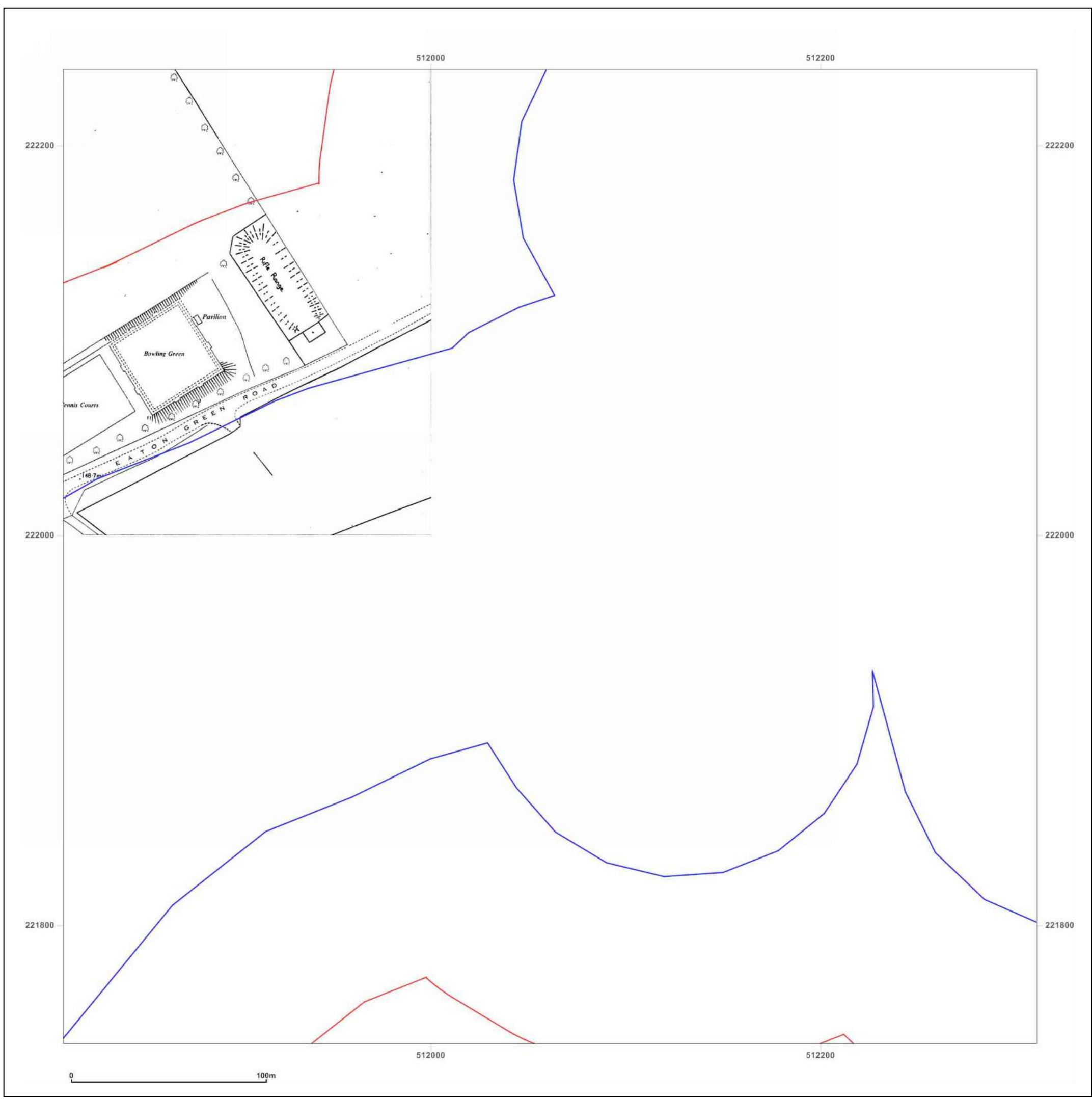


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

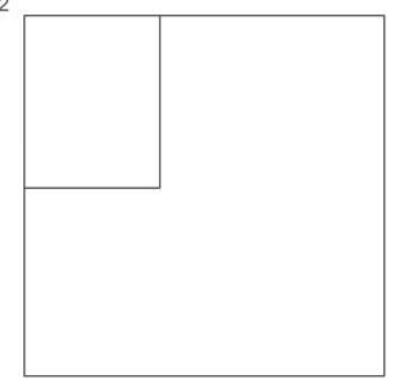
Map date: 1985

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1985
 Edition N/A
 Copyright 1986
 Levelled 1982

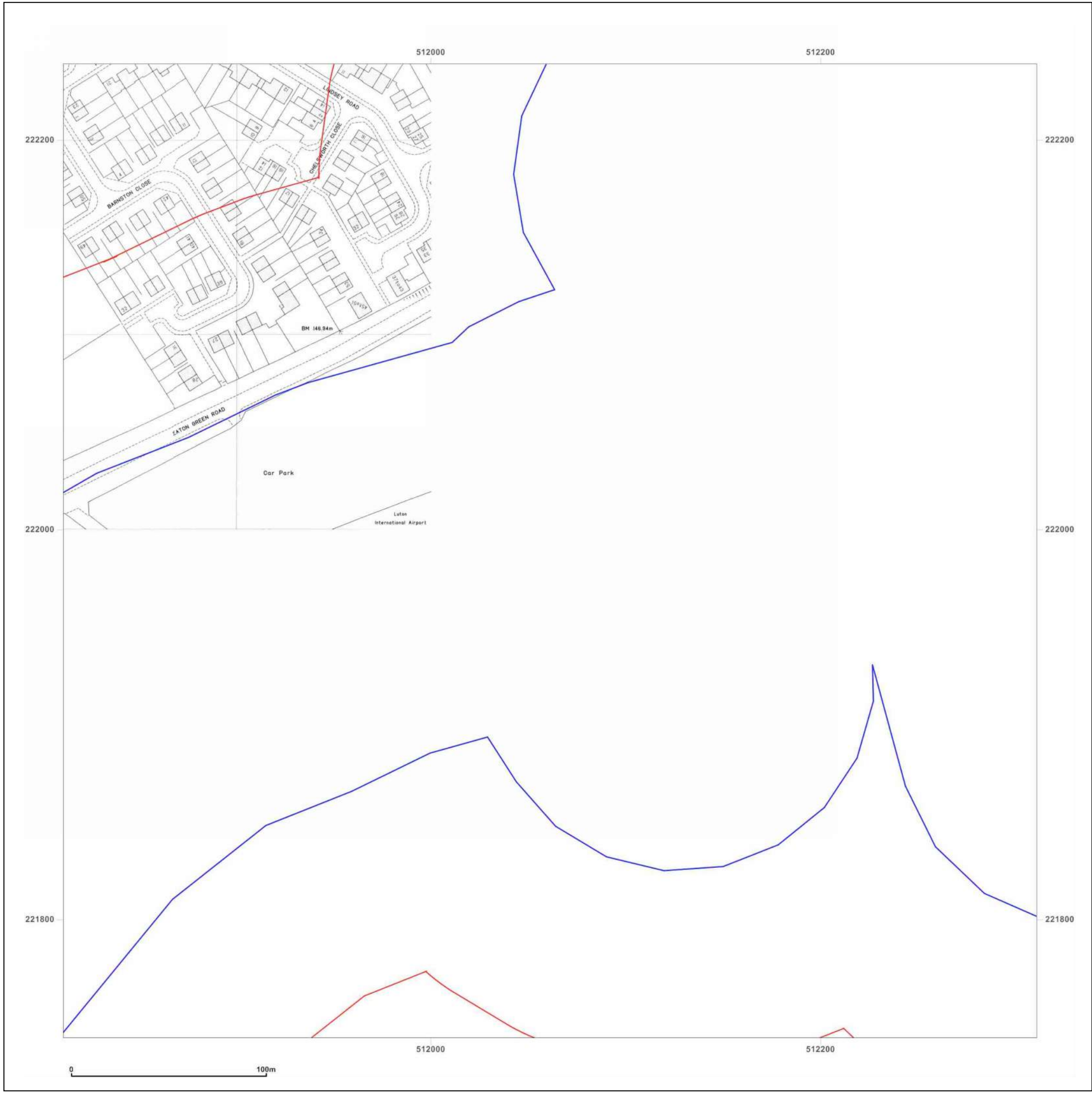


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

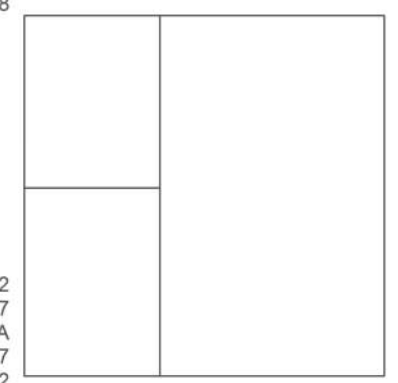
Map date: 1982-1987

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1982
 Levelled 1958



Surveyed 1982
 Revised 1987
 Edition N/A
 Copyright 1987
 Levelled 1982

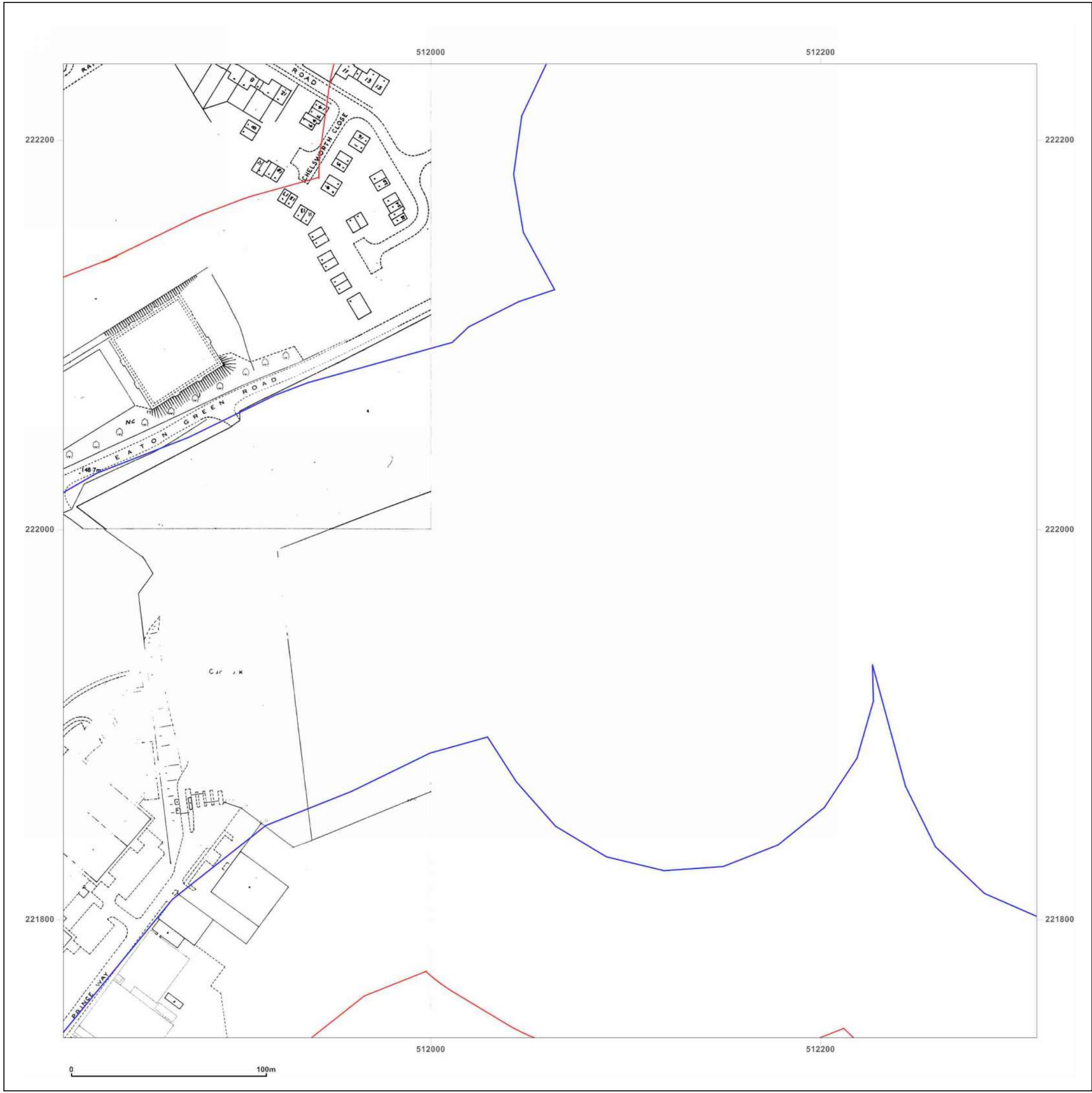


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

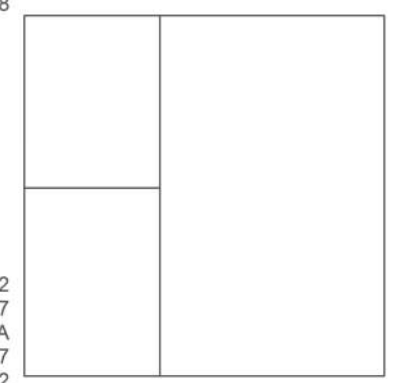
Map date: 1982-1987

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1982
 Levelled 1958



Surveyed 1982
 Revised 1987
 Edition N/A
 Copyright 1987
 Levelled 1982

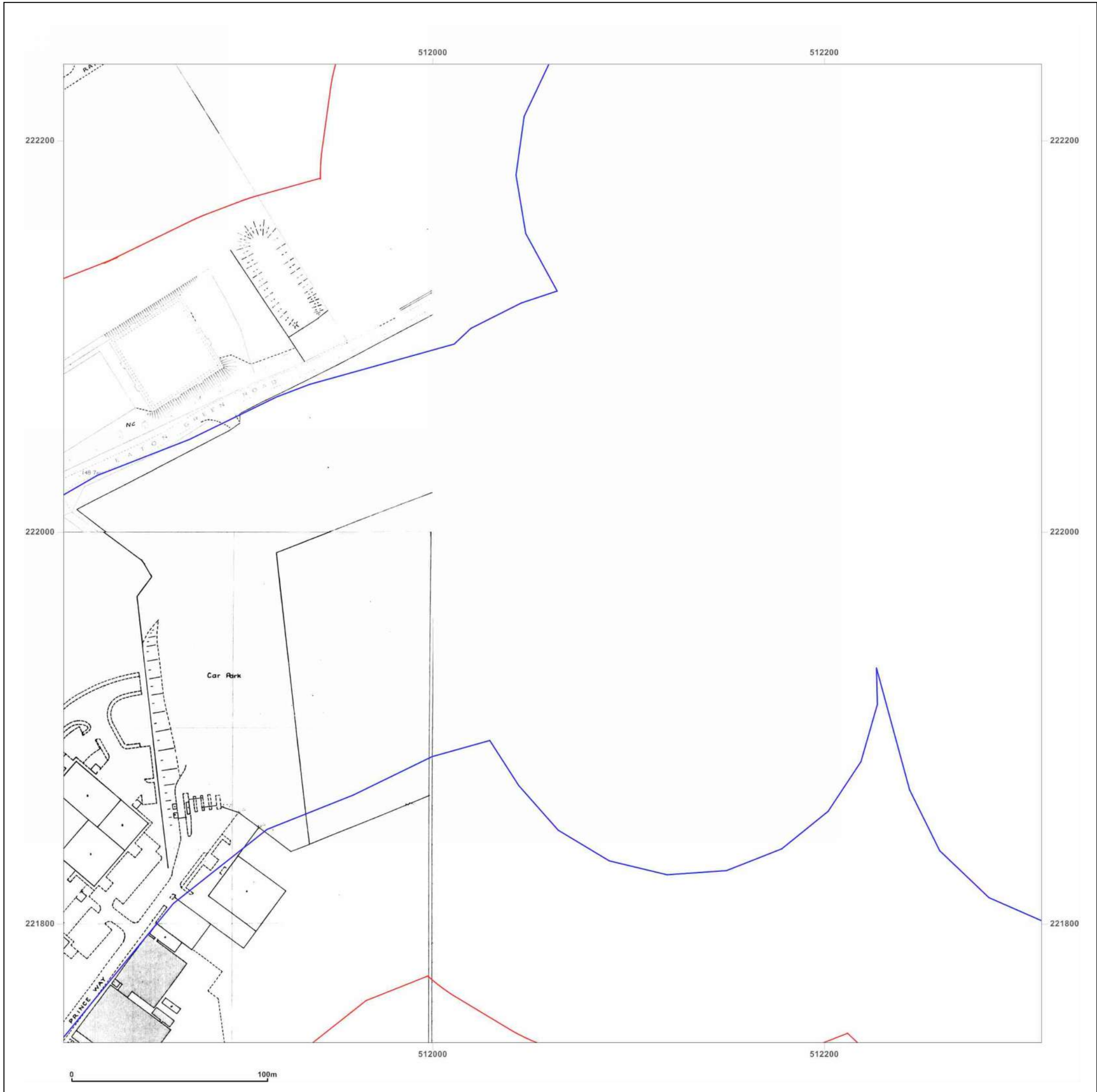


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

Map date: 1984-1989

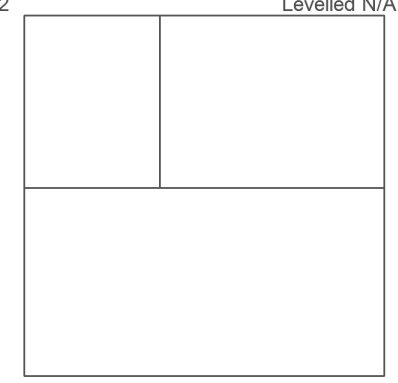
Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1984
 Levelled 1982

Surveyed 1988
 Revised 1988
 Edition N/A
 Copyright 1989
 Levelled N/A

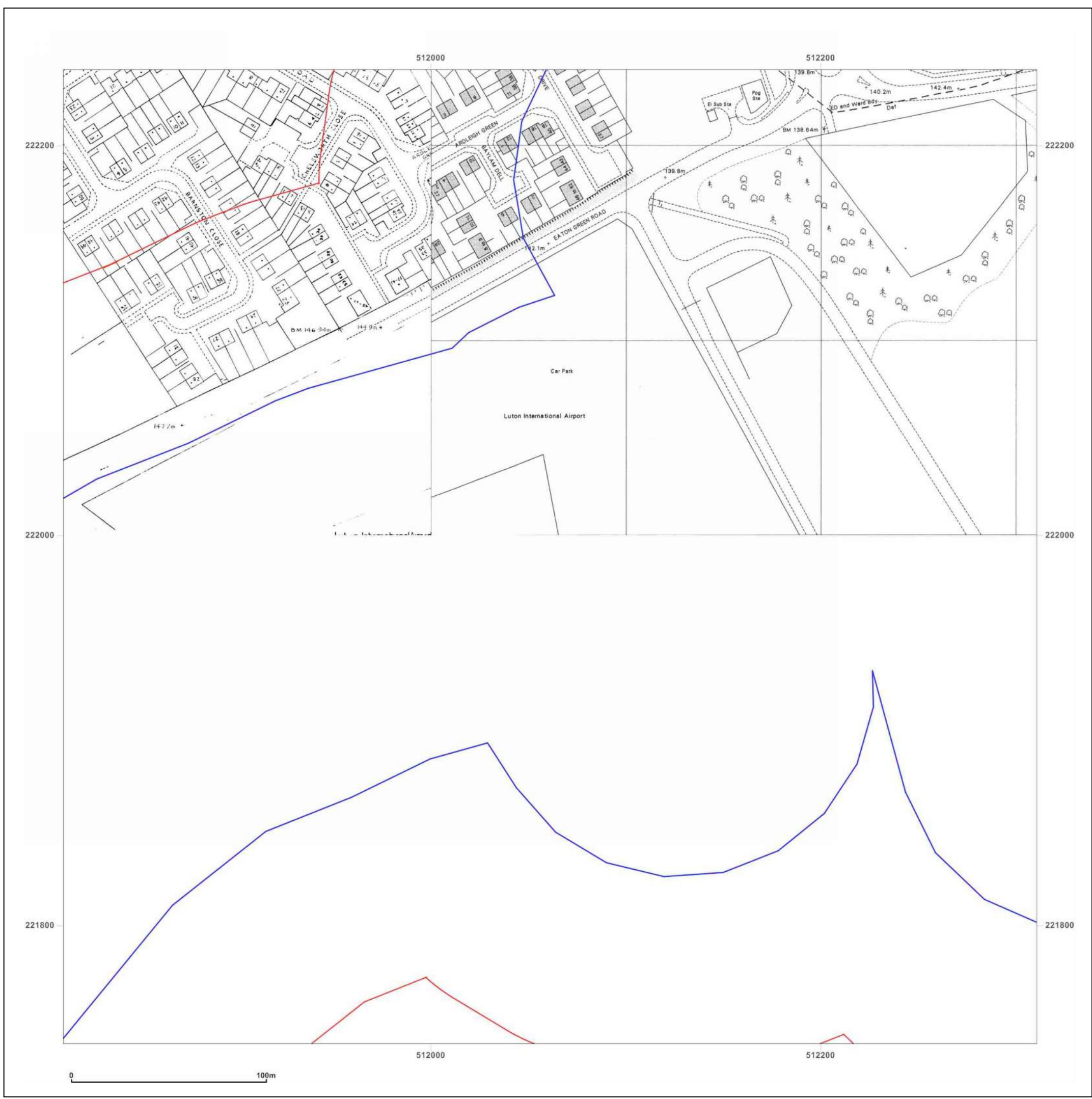


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

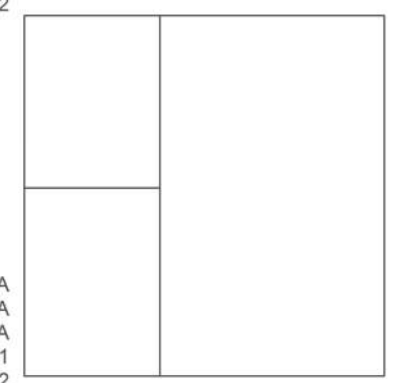
Map date: 1986-1991

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1981
 Revised 1985
 Edition N/A
 Copyright 1988
 Levelled 1982



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1991
 Levelled 1982

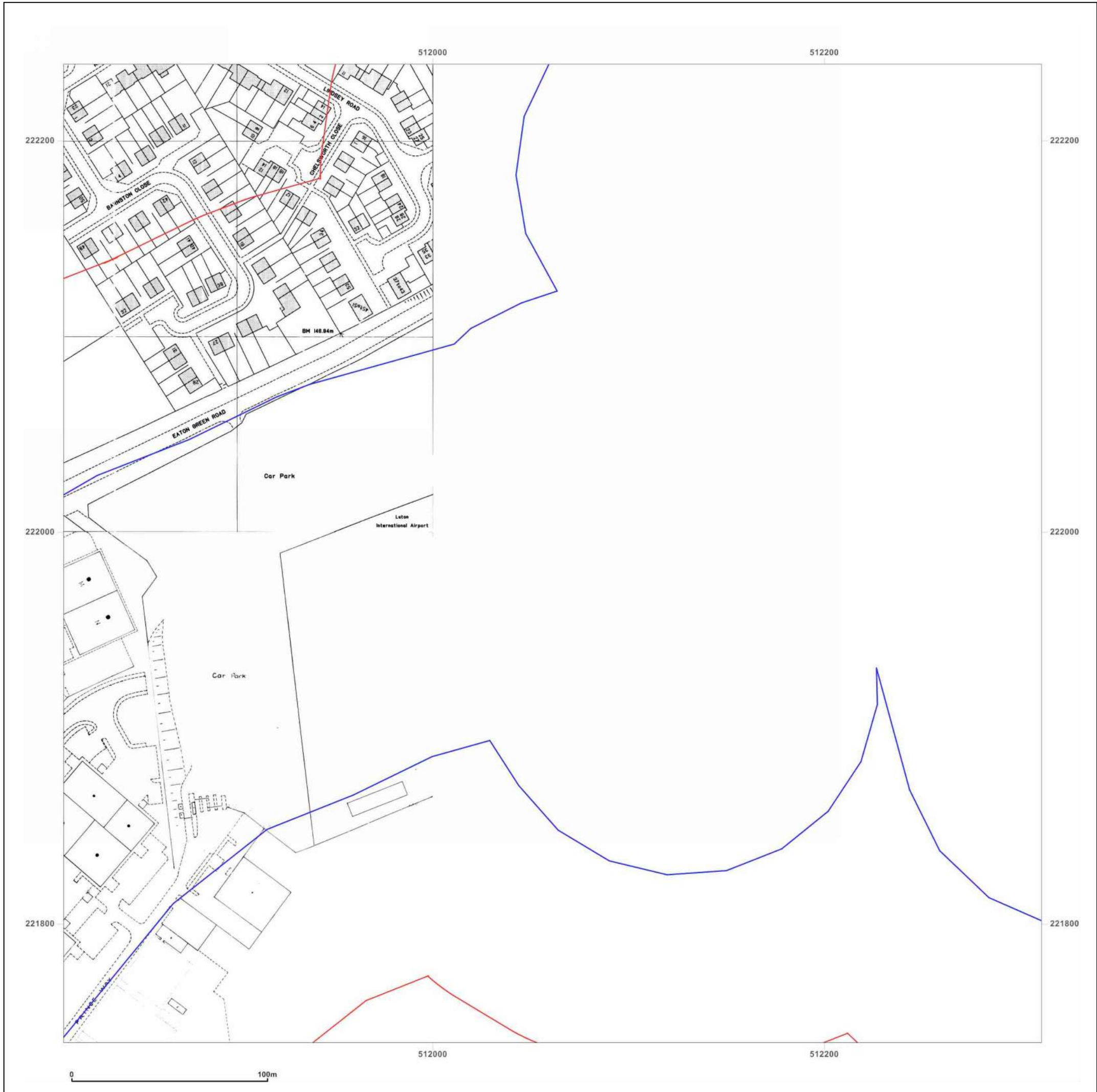


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

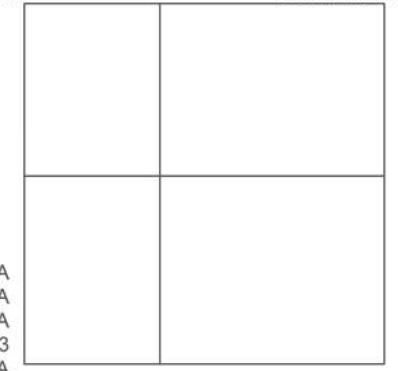
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A	Surveyed N/A
Revised N/A	Revised N/A
Edition N/A	Edition N/A
Copyright 1993	Copyright 1993
Levelled N/A	Levelled N/A



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

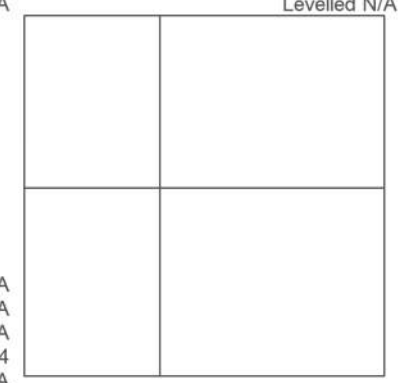
Map date: 1993-1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed 1993 Revised 1993 Edition N/A Copyright N/A Levelled N/A
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Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1994
 Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: National Grid

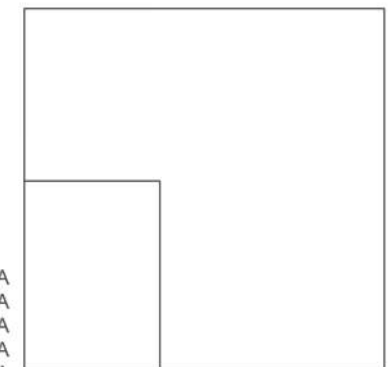
Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

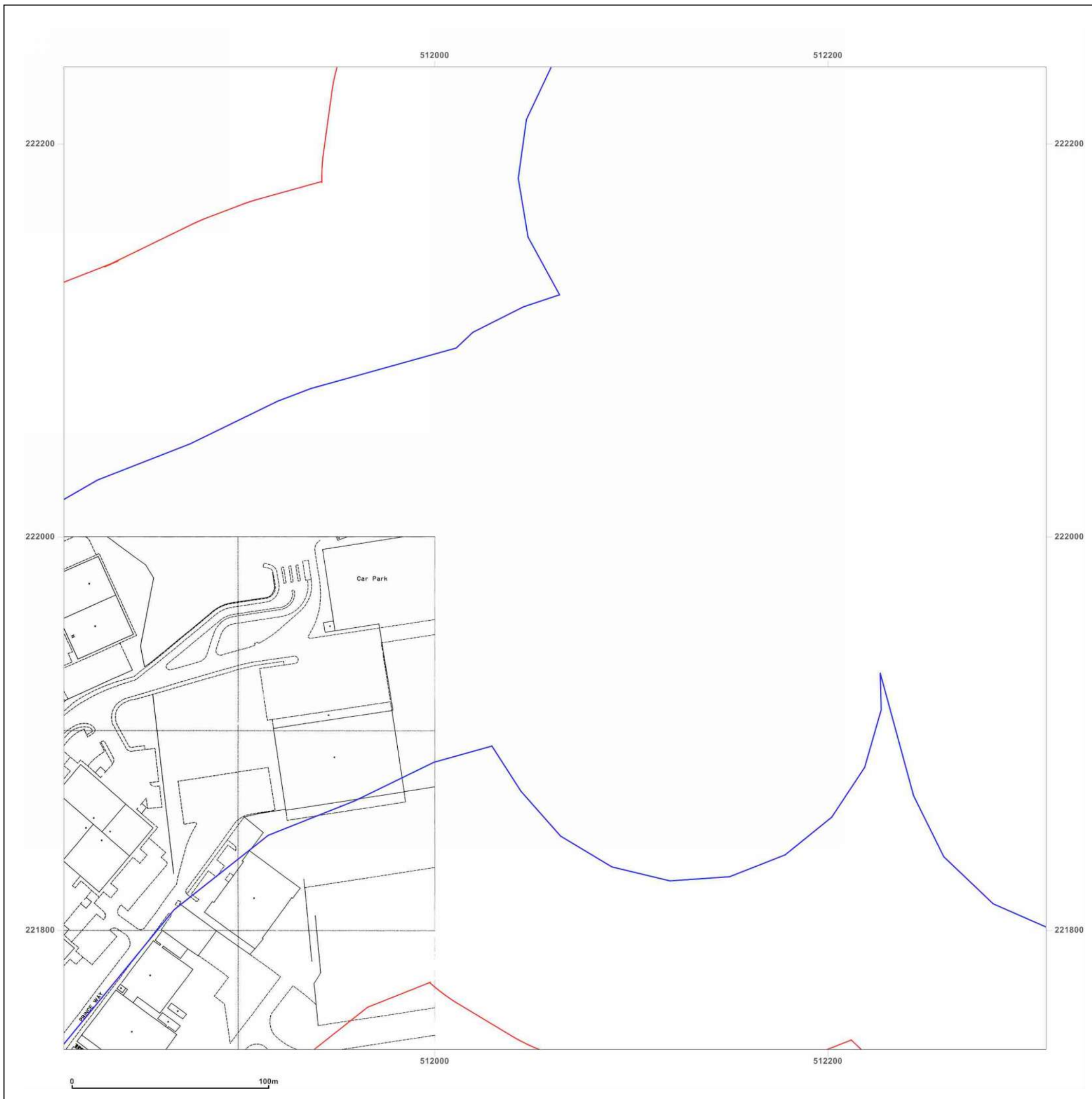


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Site Details:

Proposed Link Road - CPAR

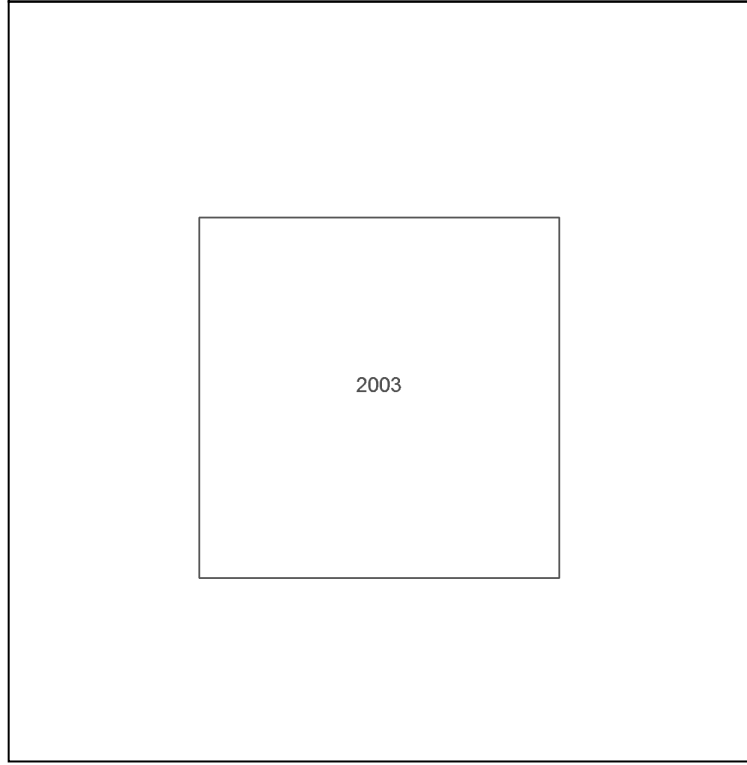
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_4
Grid Ref: 512061, 221989

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

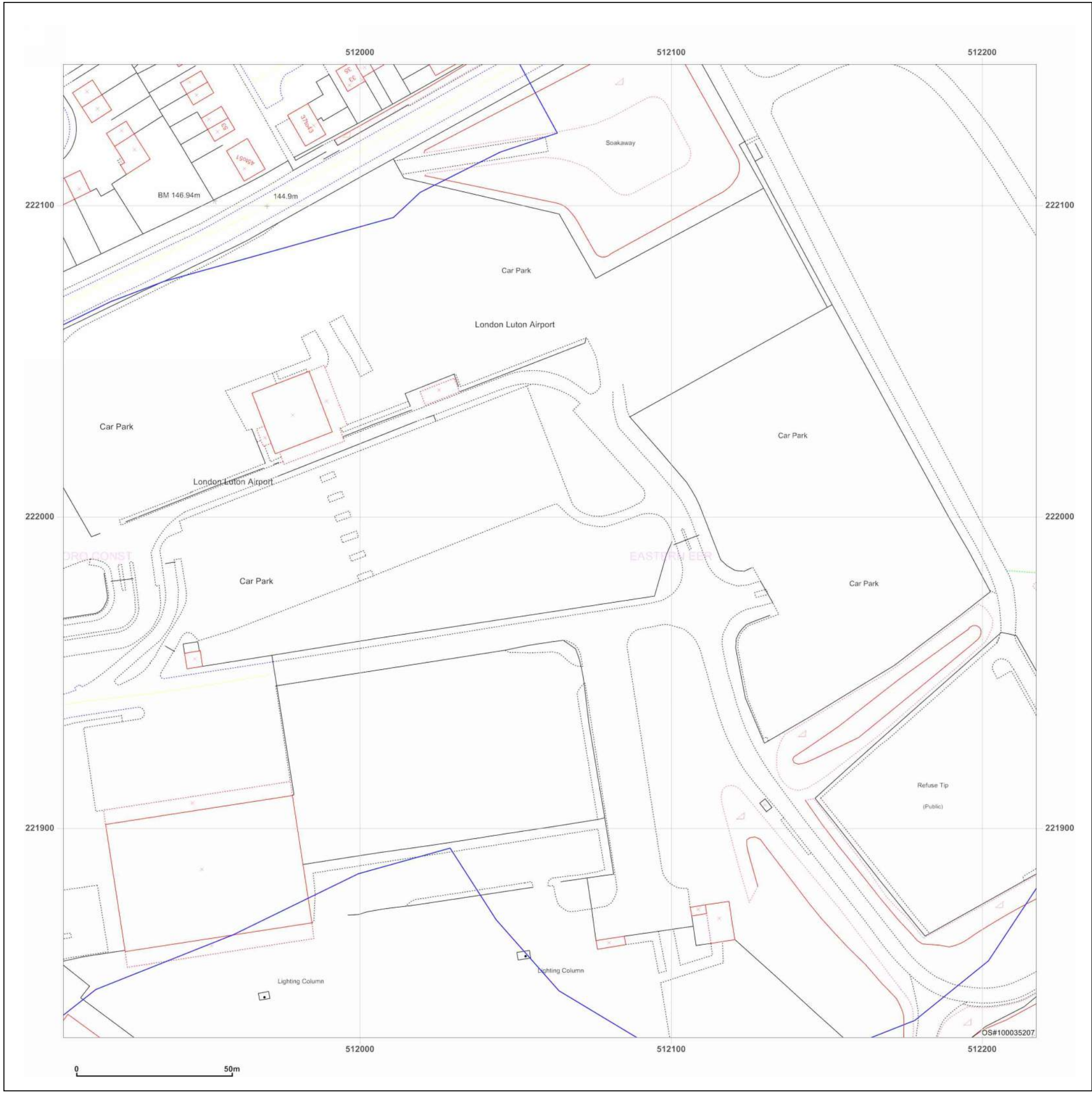


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

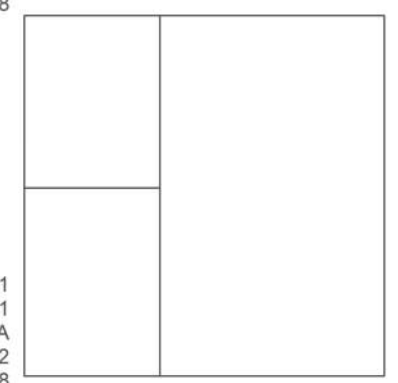
Map date: 1962

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1961
 Edition N/A
 Copyright 1962
 Levelled 1958



Surveyed 1961
 Revised 1961
 Edition N/A
 Copyright 1962
 Levelled 1958

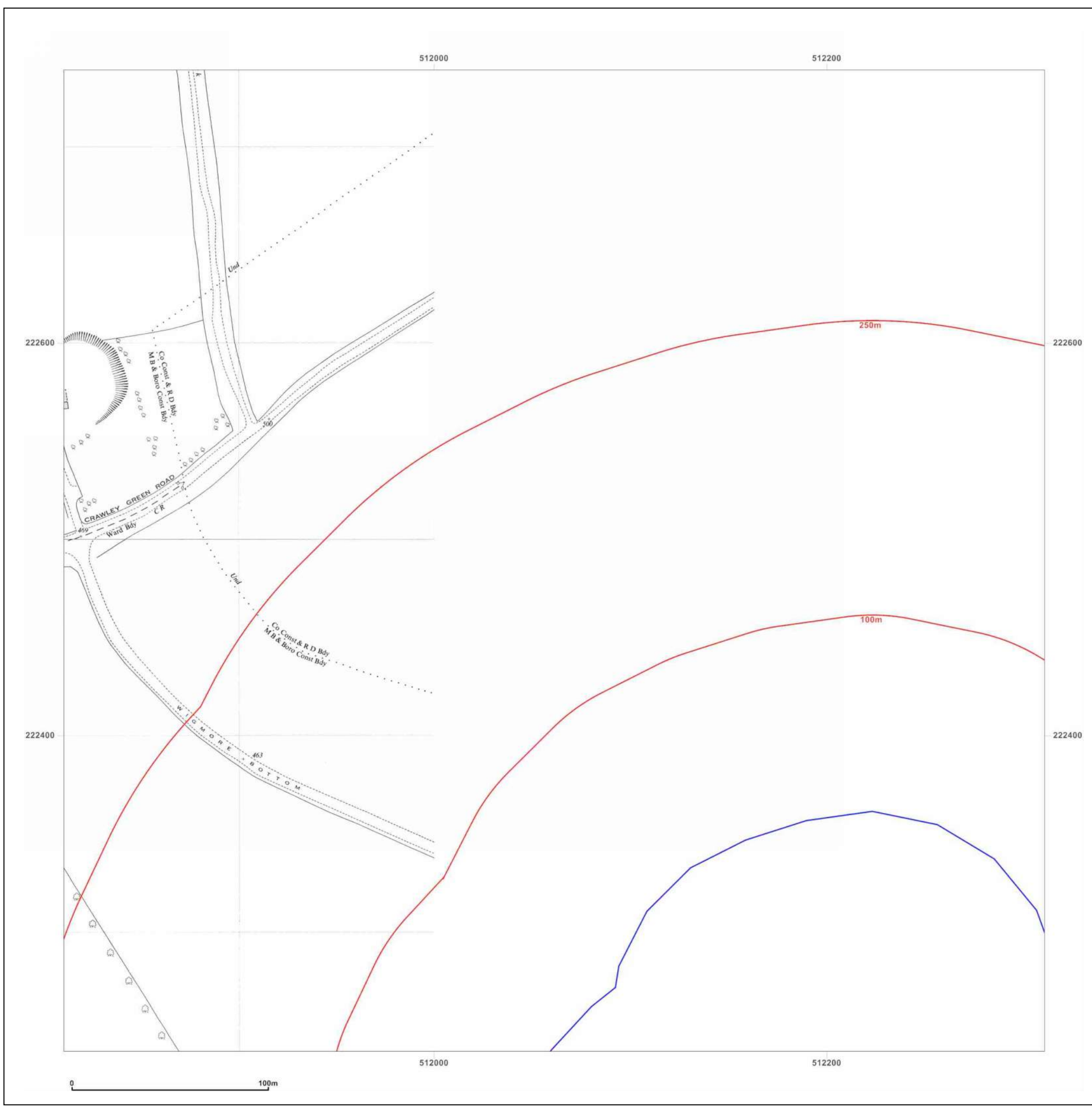


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

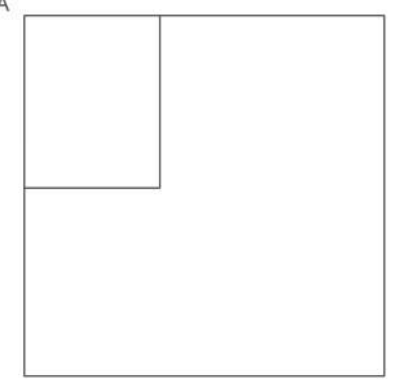
Map date: 1974

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

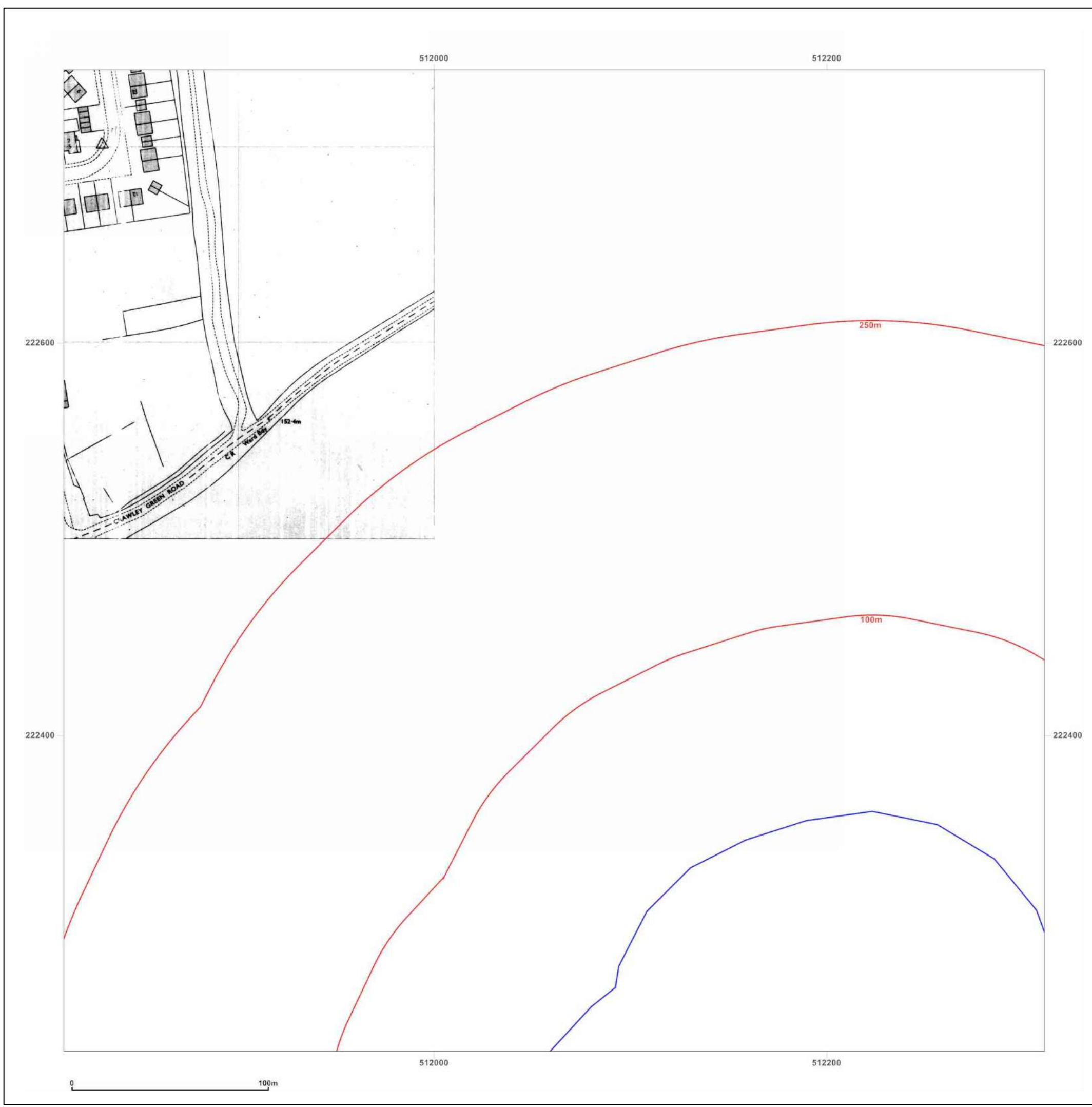


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

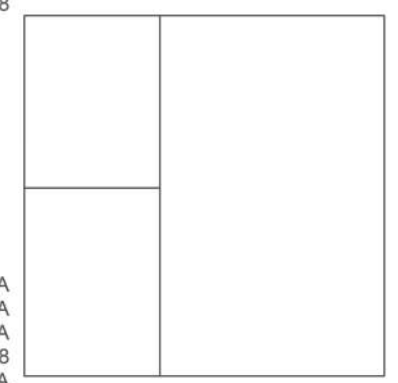
Map date: 1973-1978

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1973
 Edition N/A
 Copyright 1973
 Levelled 1958



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1978
 Levelled N/A

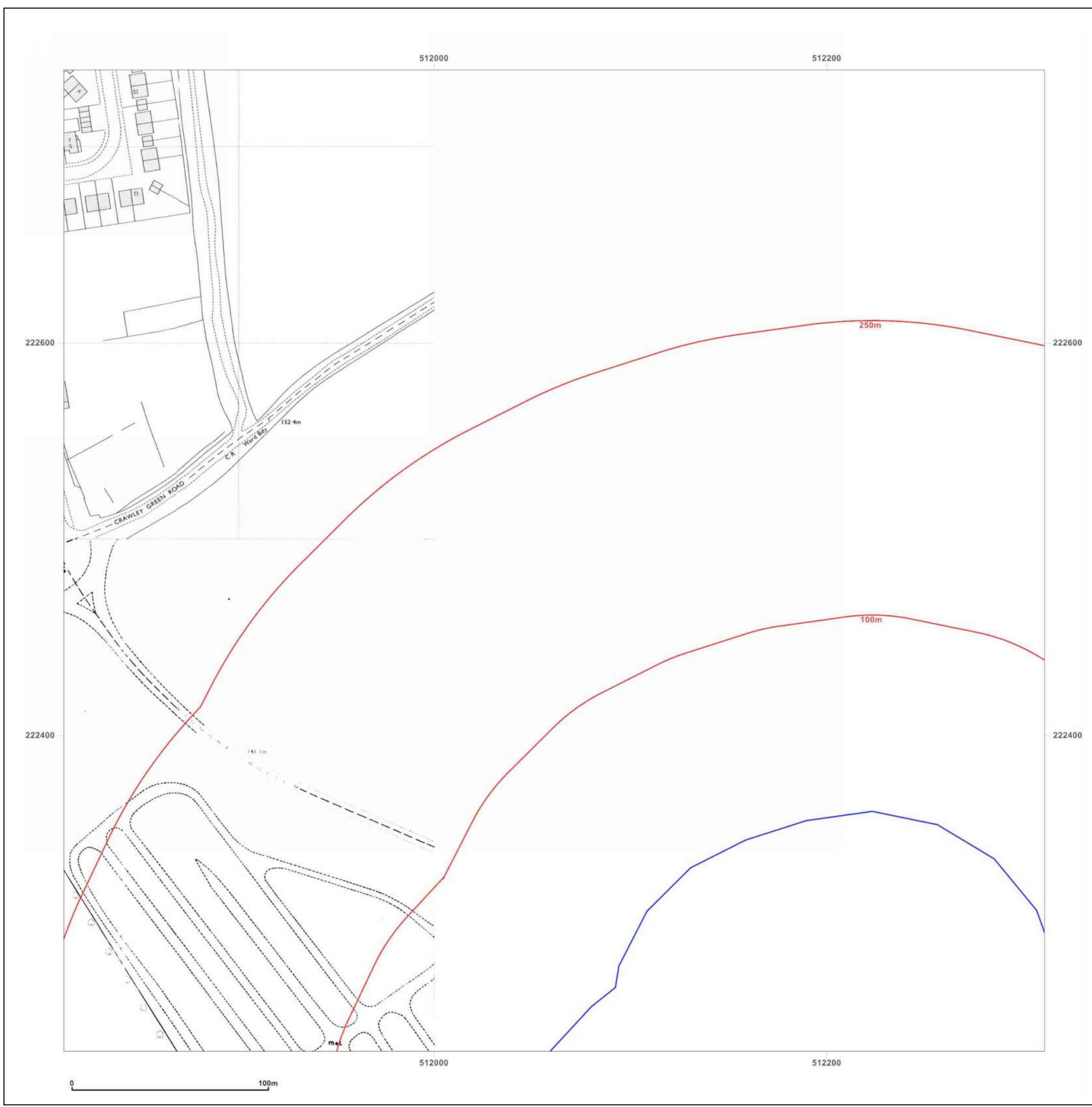


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

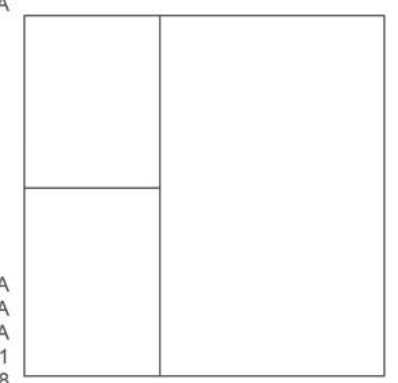
Map date: 1977-1981

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1981
 Levelled 1958

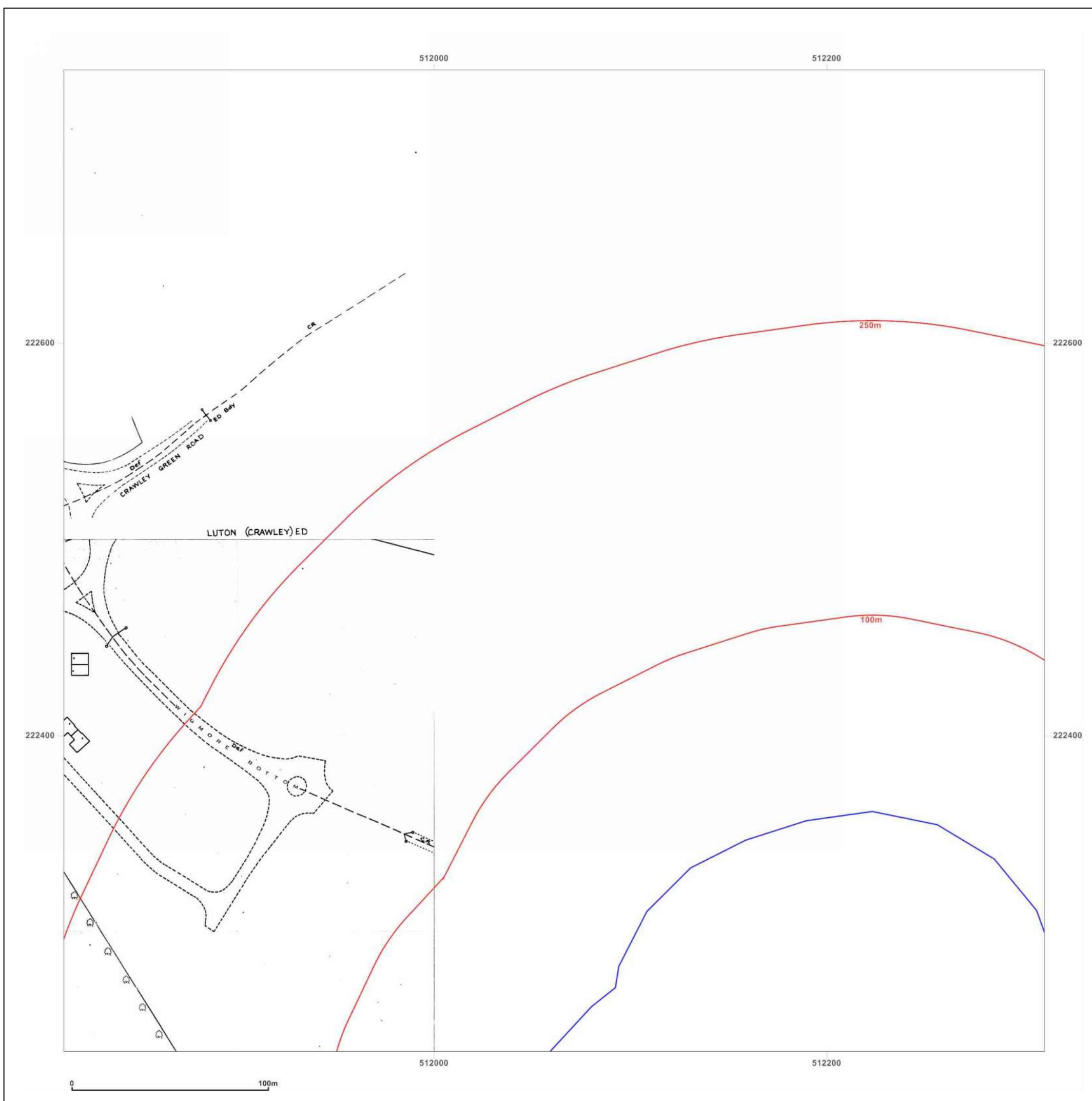


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

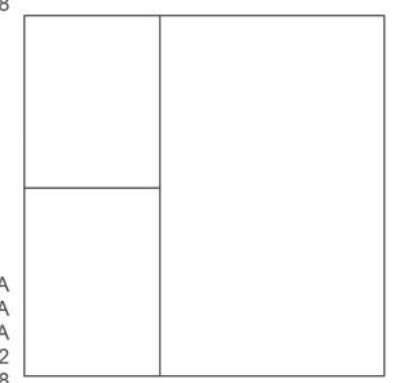
Map date: 1979-1982

Scale: 1:1,250

Printed at: 1:2,000



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 Revised 1978
 Edition N/A
 Copyright 1979
 Levelled 1958



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1982
 Levelled 1958



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

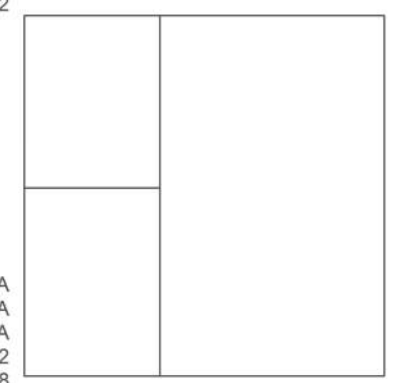
Map date: 1982-1984

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1982
 Revised 1984
 Edition N/A
 Copyright 1984
 Levelled 1982



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1982
 Levelled 1958

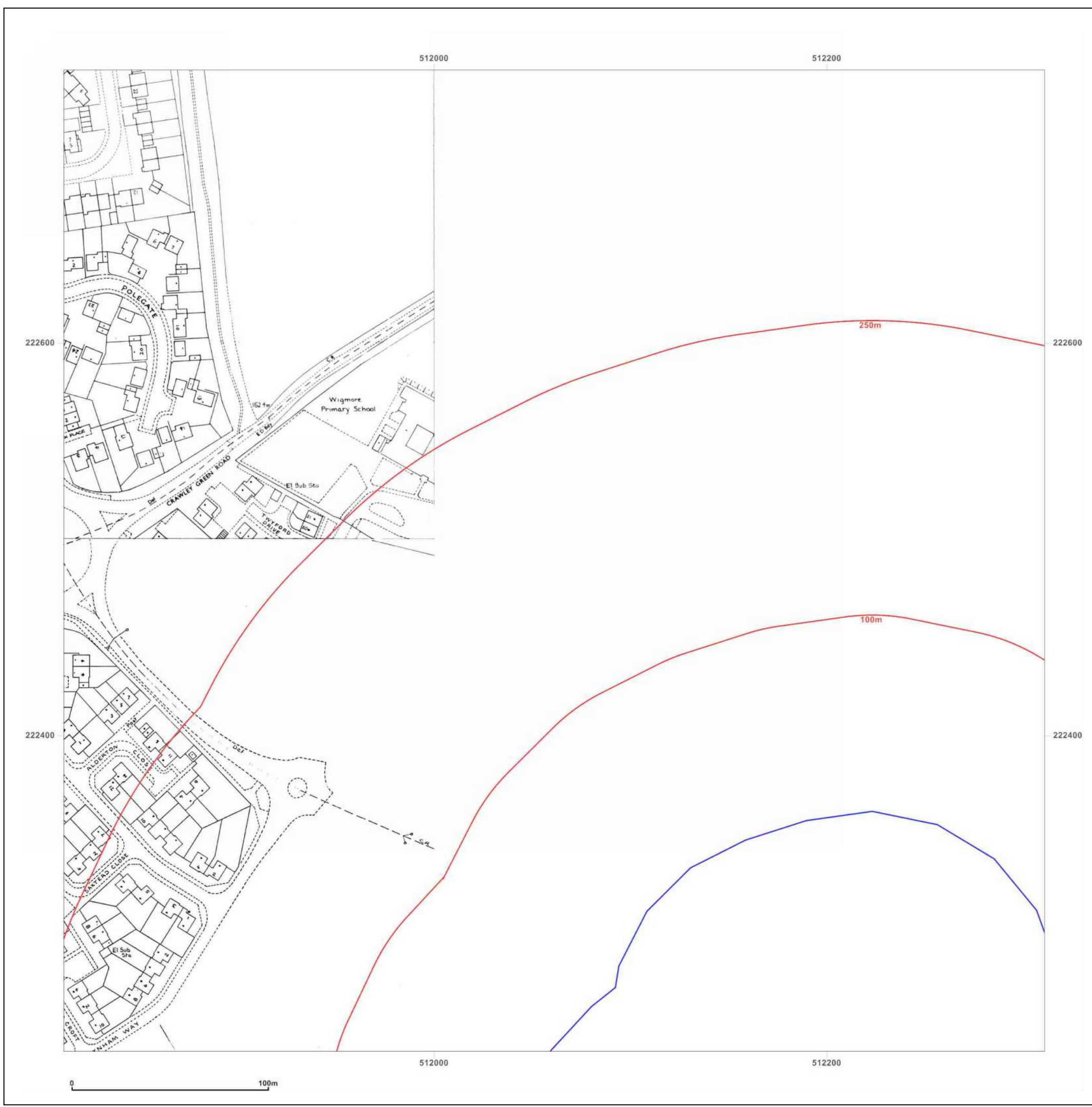


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Site Details:

Proposed Link Road - CPAR

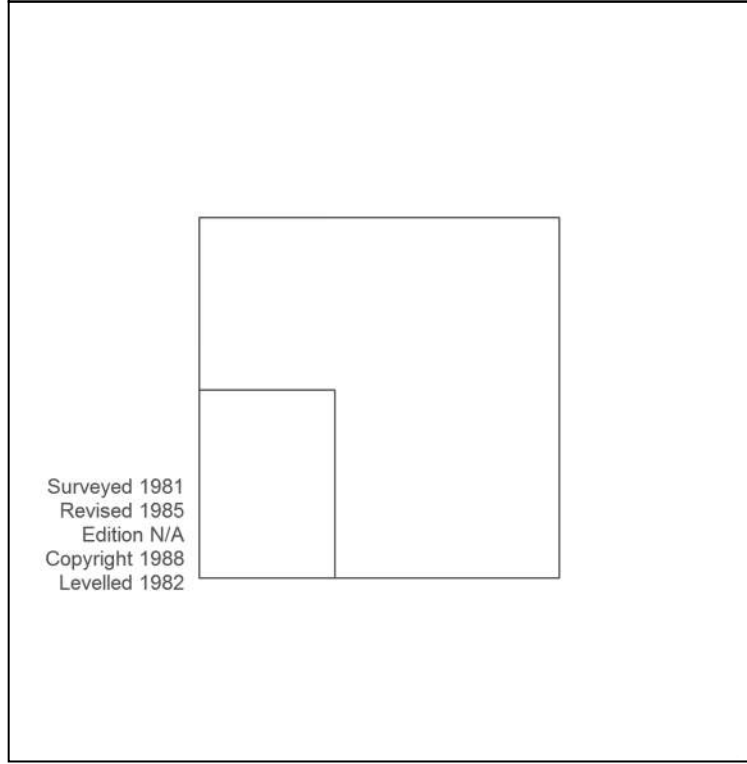
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

Map date: 1986

Scale: 1:1,250

Printed at: 1:2,000

Surveyed 1981
 Revised 1985
 Edition N/A
 Copyright 1988
 Levelled 1982

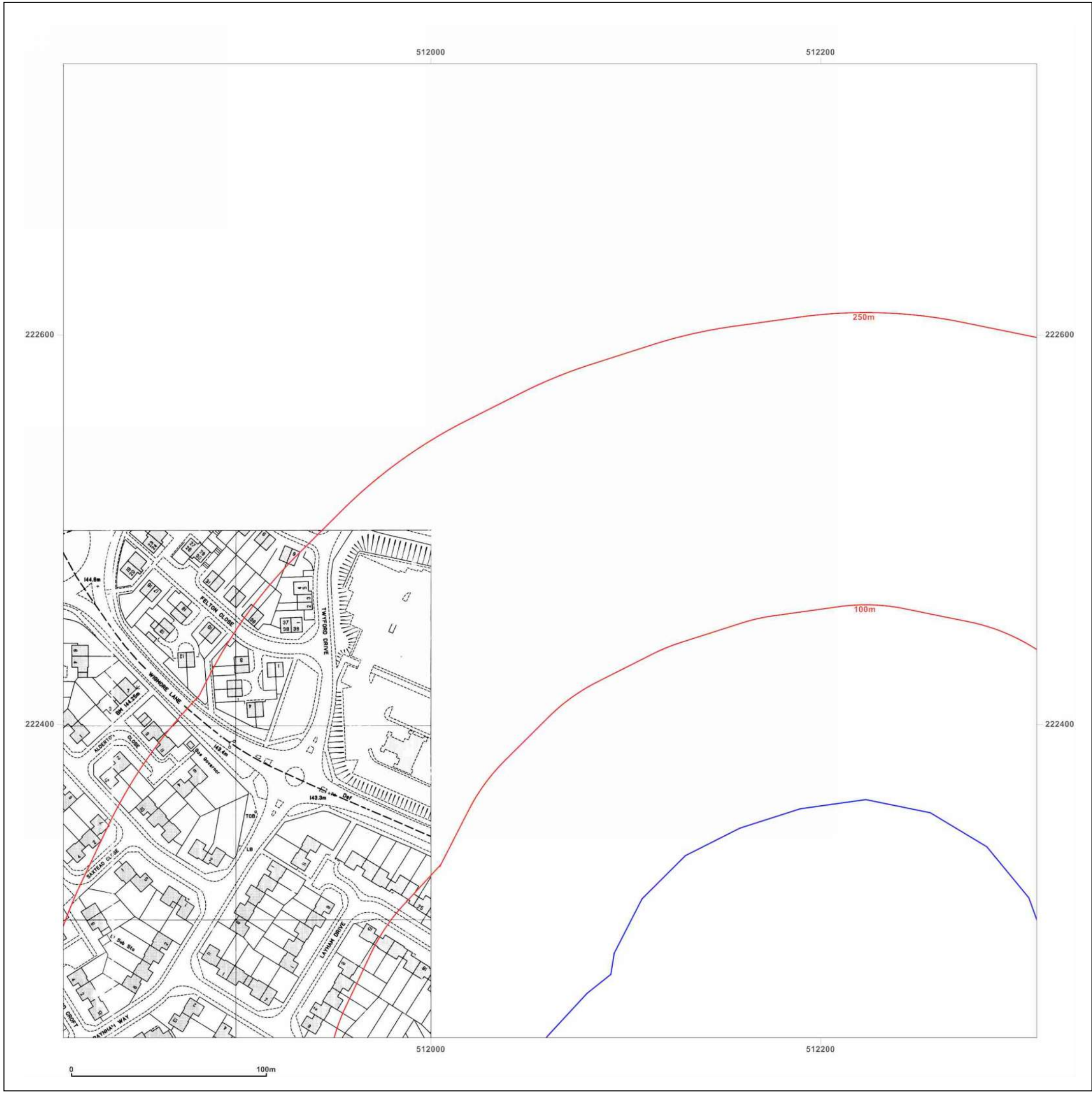


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

Map date: 1984-1989

Scale: 1:1,250

Printed at: 1:2,000



<p>Surveyed N/A Revised N/A Edition N/A Copyright 1984 Levelled 1982</p>	<p>Surveyed 1988 Revised 1988 Edition N/A Copyright 1989 Levelled N/A</p>
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

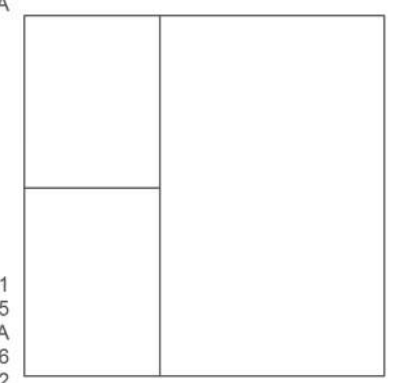
Map date: 1985-1990

Scale: 1:1,250

Printed at: 1:2,000



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 Revised 1989
 Edition N/A
 Copyright 1990
 Levelled N/A



Surveyed 1961
 Revised 1985
 Edition N/A
 Copyright 1986
 Levelled 1982

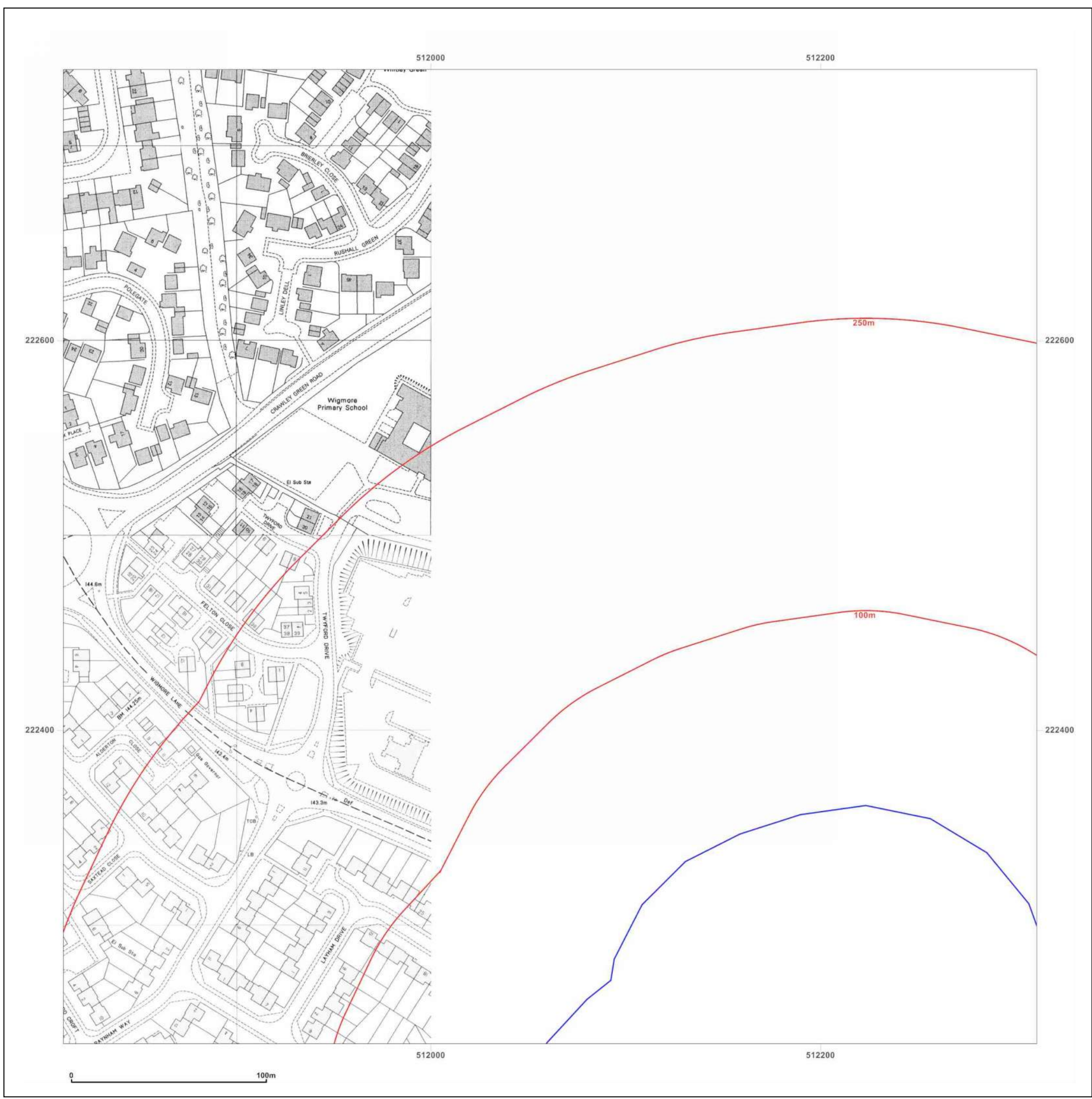


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

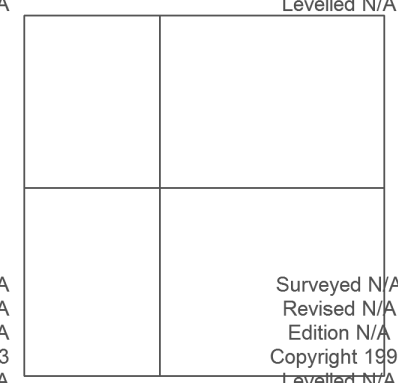
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A	Surveyed N/A
Revised N/A	Revised N/A
Edition N/A	Edition N/A
Copyright 1993	Copyright 1993
Levelled N/A	Levelled N/A



Surveyed N/A	Surveyed N/A
Revised N/A	Revised N/A
Edition N/A	Edition N/A
Copyright 1993	Copyright 1993
Levelled N/A	Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

Map date: 1993-1994

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A		Surveyed 1993 Revised 1993 Edition N/A Copyright N/A Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: National Grid

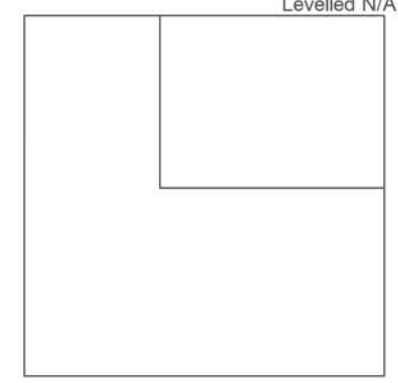
Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1994
 Revised 1994
 Edition N/A
 Copyright 1994
 Levelled N/A

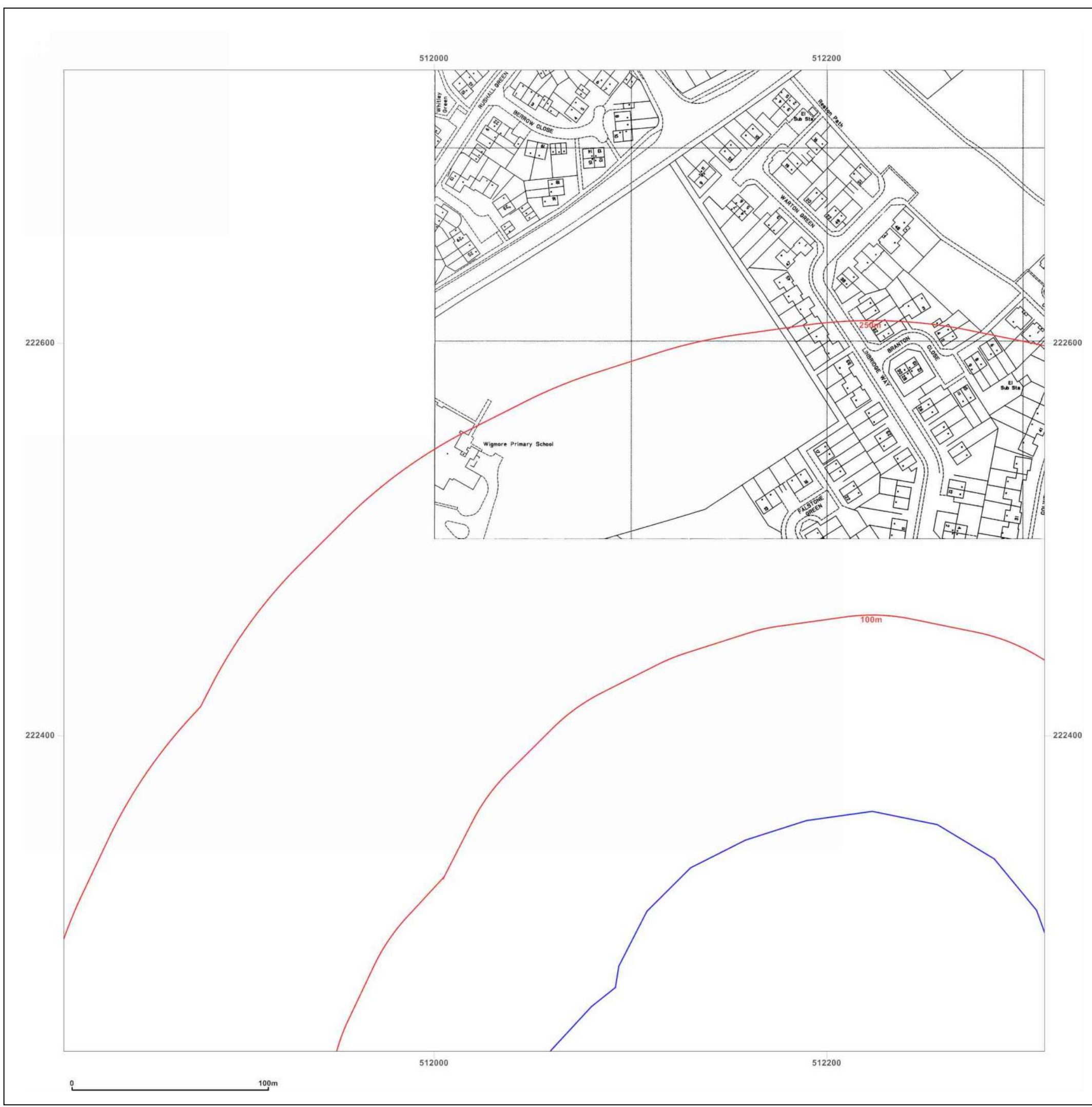


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Site Details:

Proposed Link Road - CPAR

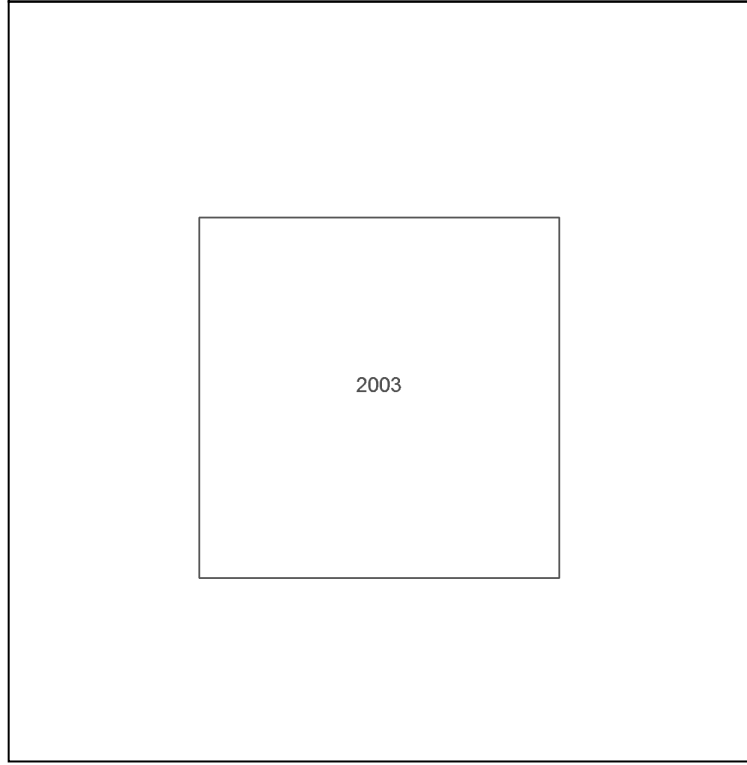
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Report Ref: GSIP-2020-10588-3214_1250scale_3_5
Grid Ref: 512061, 222489

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

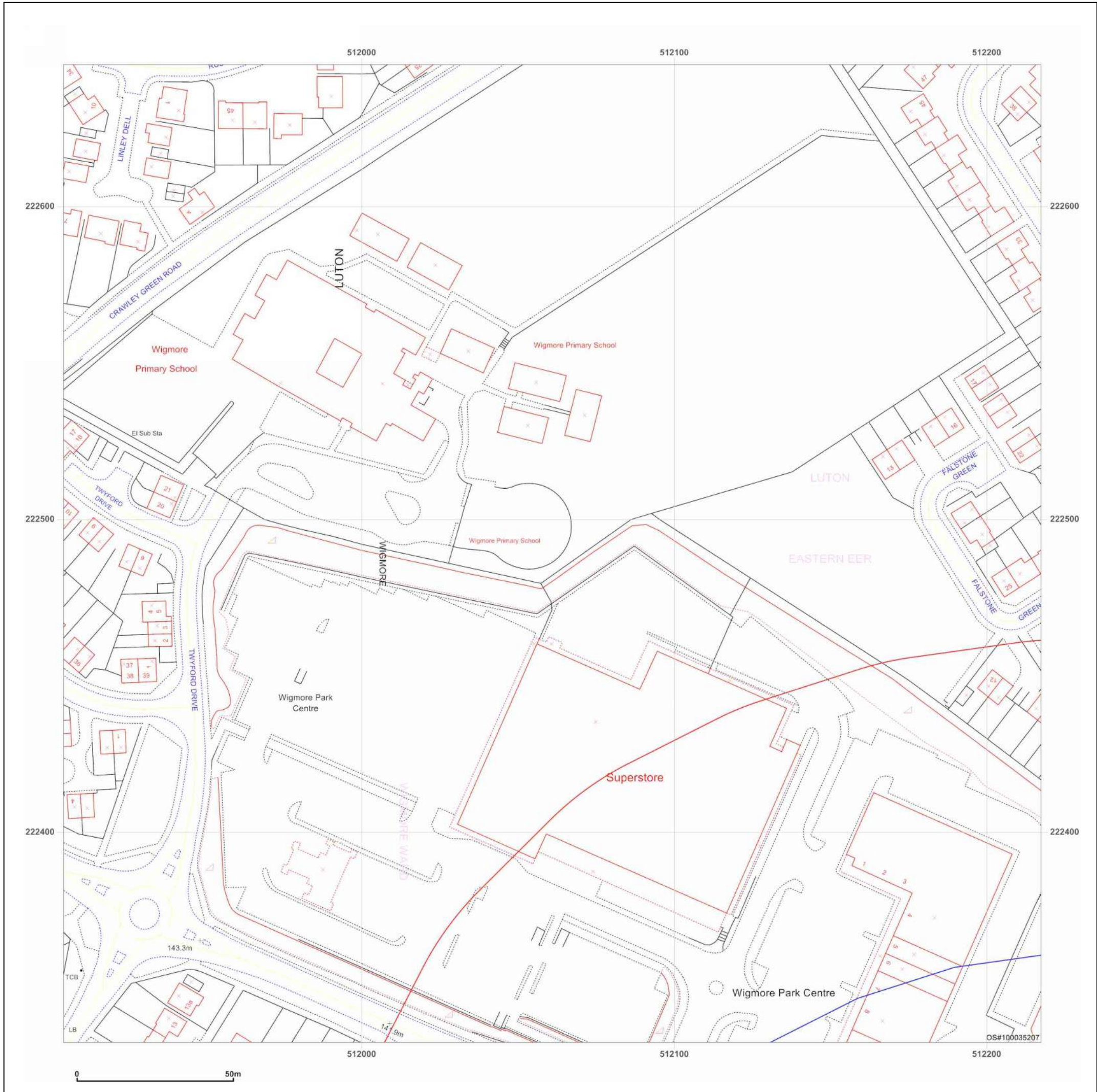


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Site Details:

Proposed Link Road - CPAR

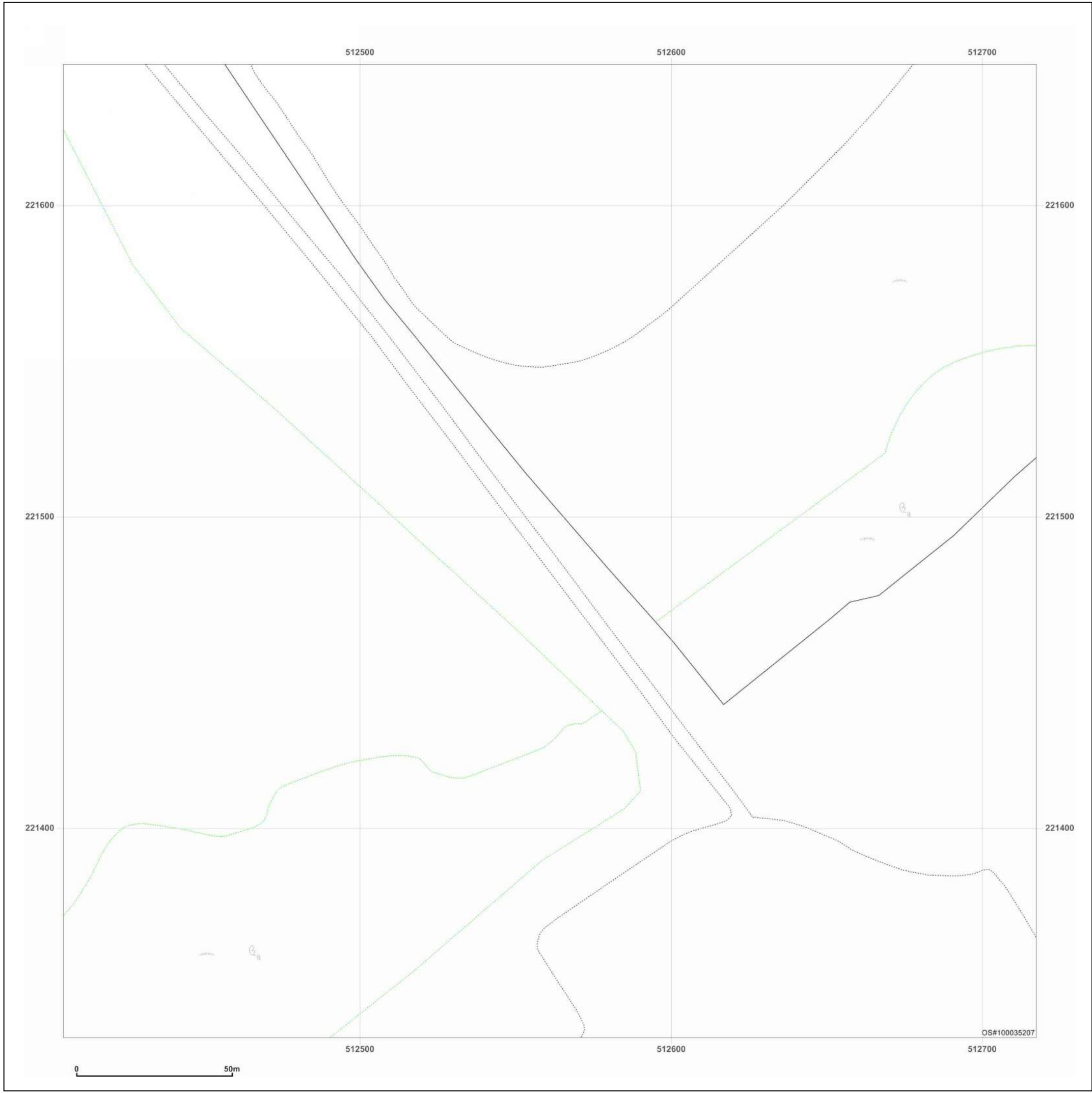
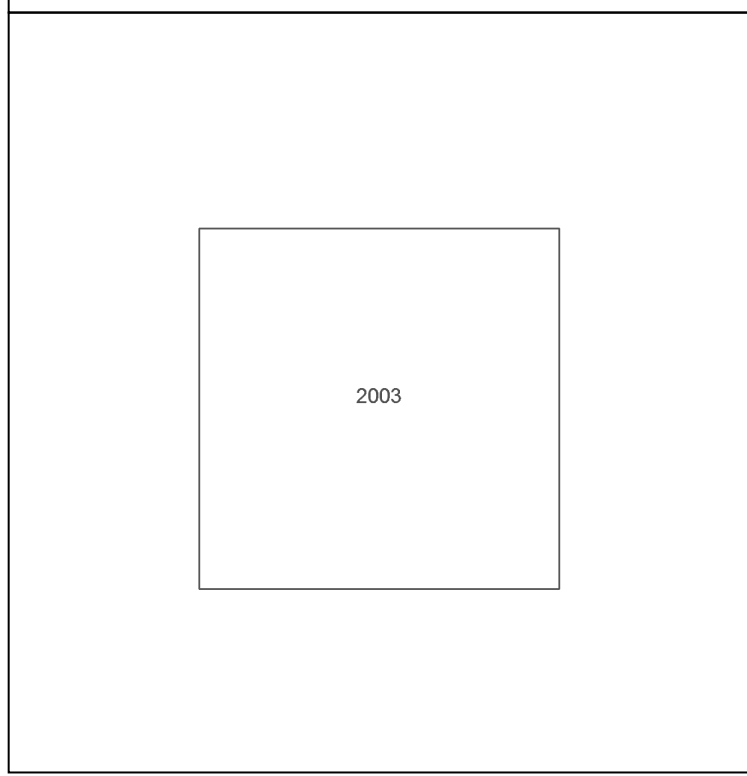
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_3
Grid Ref: 512561, 221489

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_4
Grid Ref: 512561, 221989

Map Name: National Grid

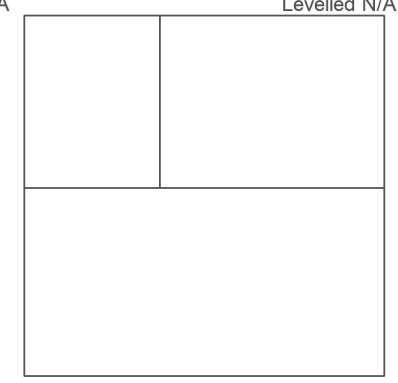
Map date: 1989-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1988	Surveyed N/A
Revised 1988	Revised N/A
Edition N/A	Edition N/A
Copyright 1989	Copyright 1993
Levelled N/A	Levelled N/A

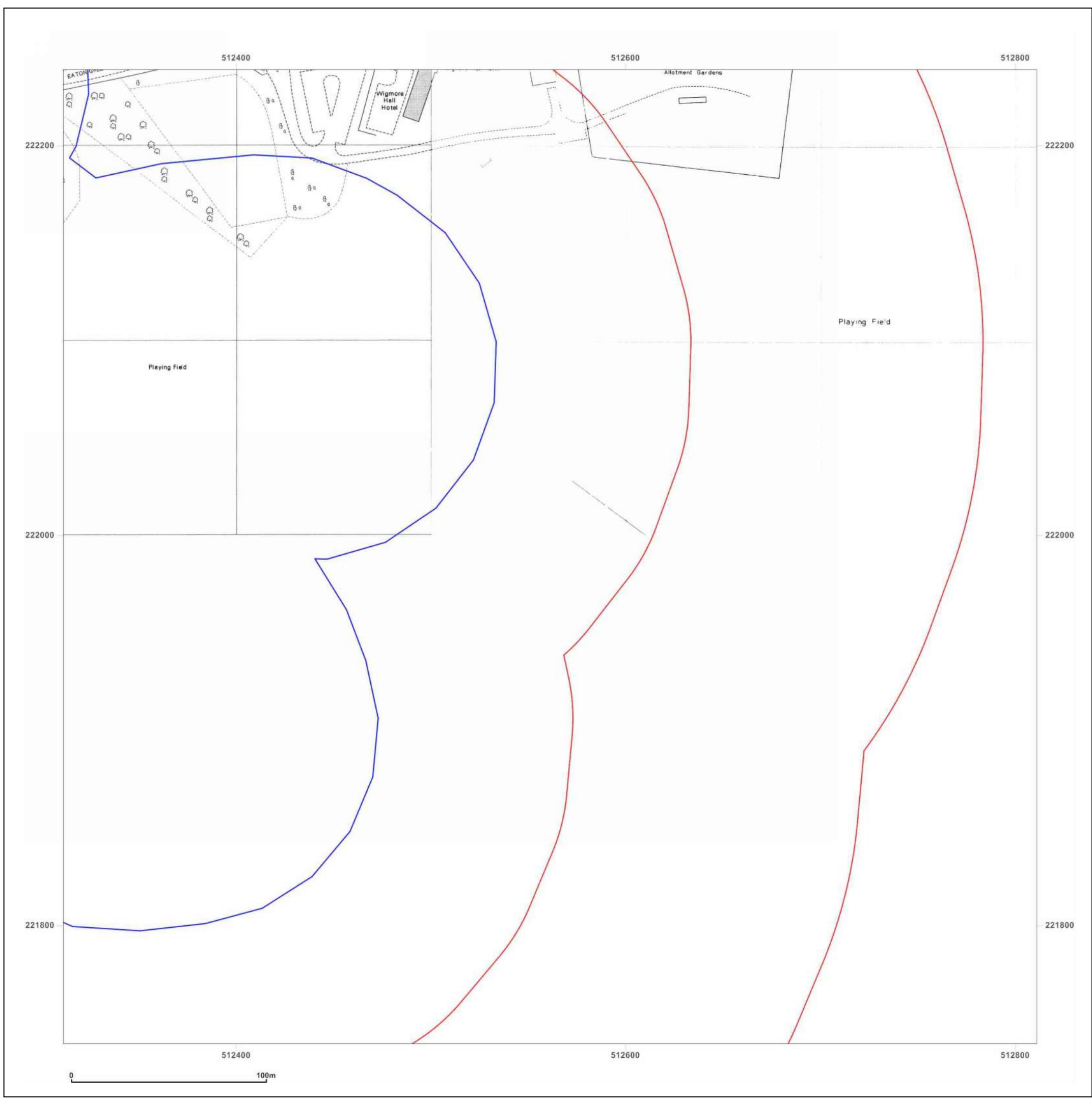


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_4
Grid Ref: 512561, 221989

Map Name: National Grid

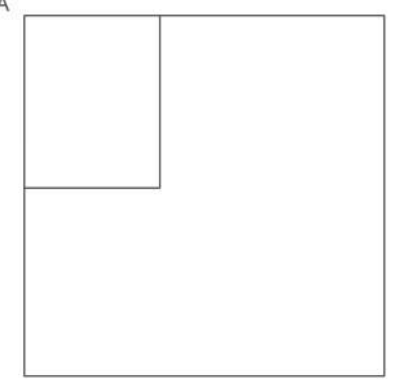
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

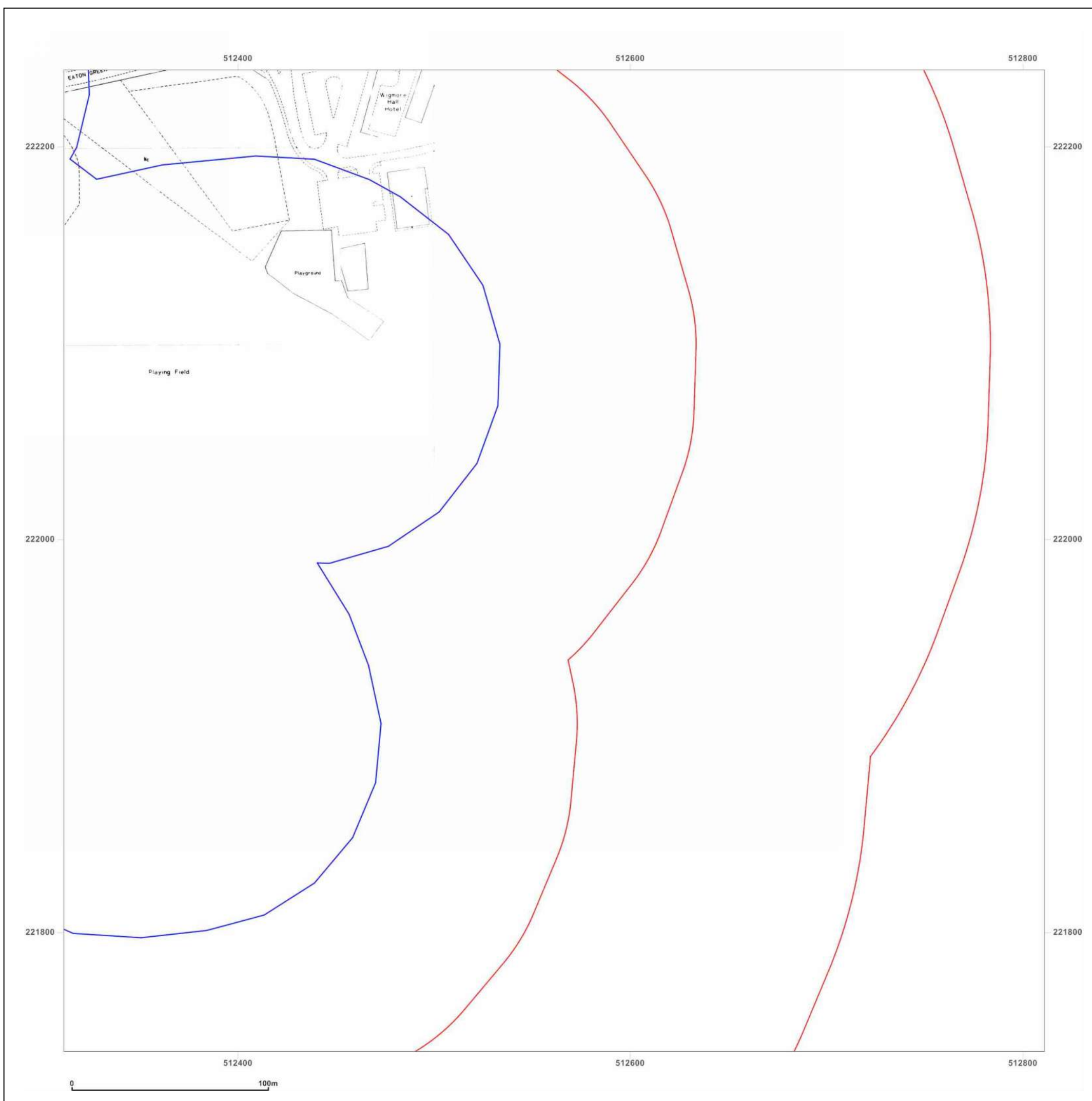


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_4
Grid Ref: 512561, 221989

Map Name: National Grid

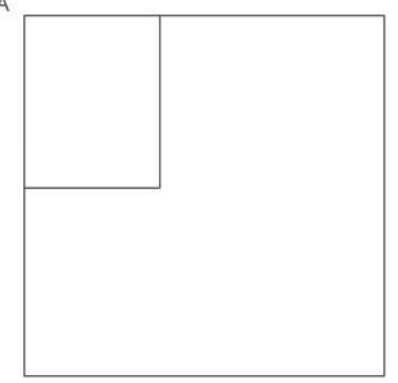
Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993
 Revised 1993
 Edition N/A
 Copyright N/A
 Levelled N/A

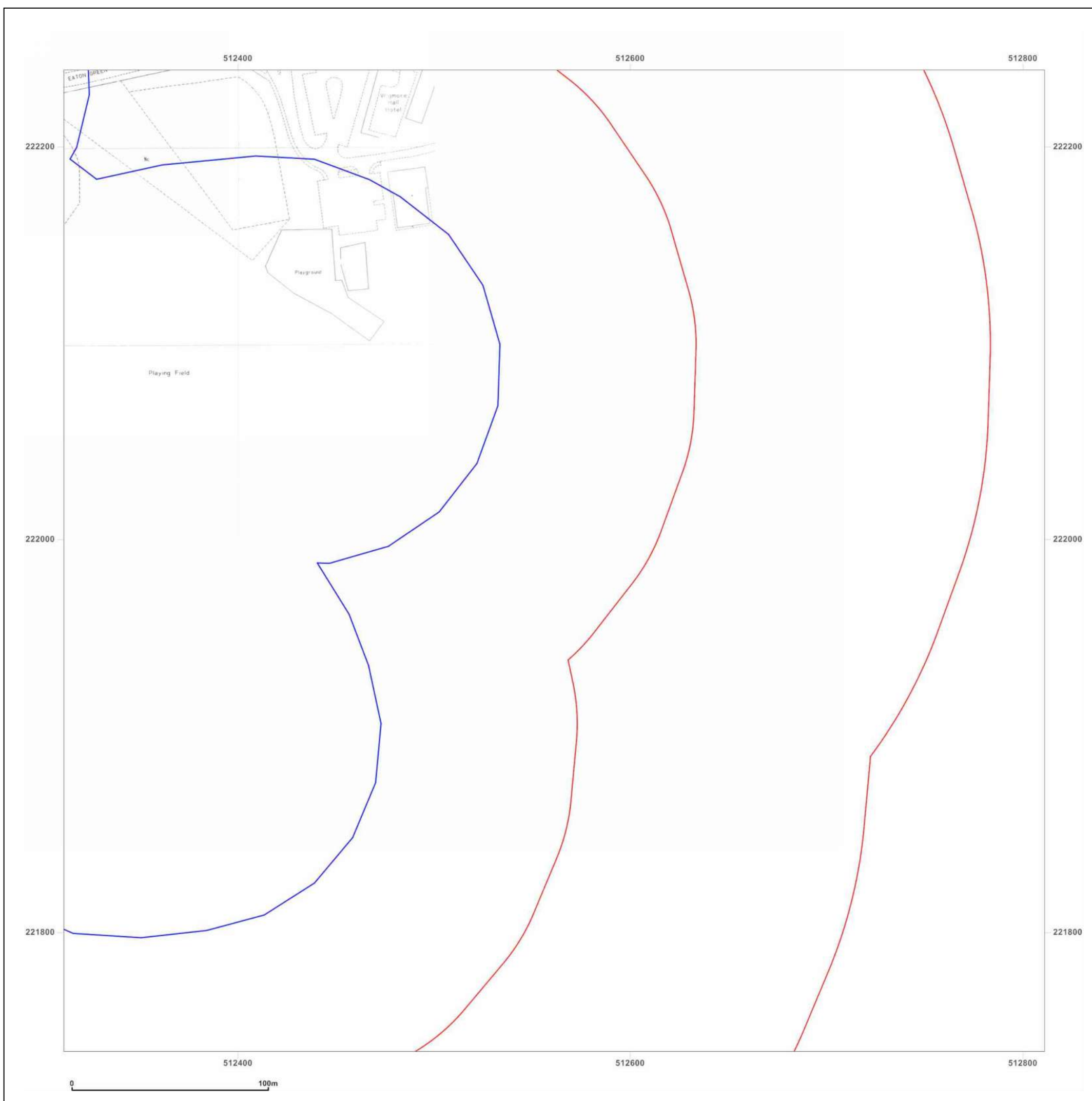


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Site Details:

Proposed Link Road - CPAR

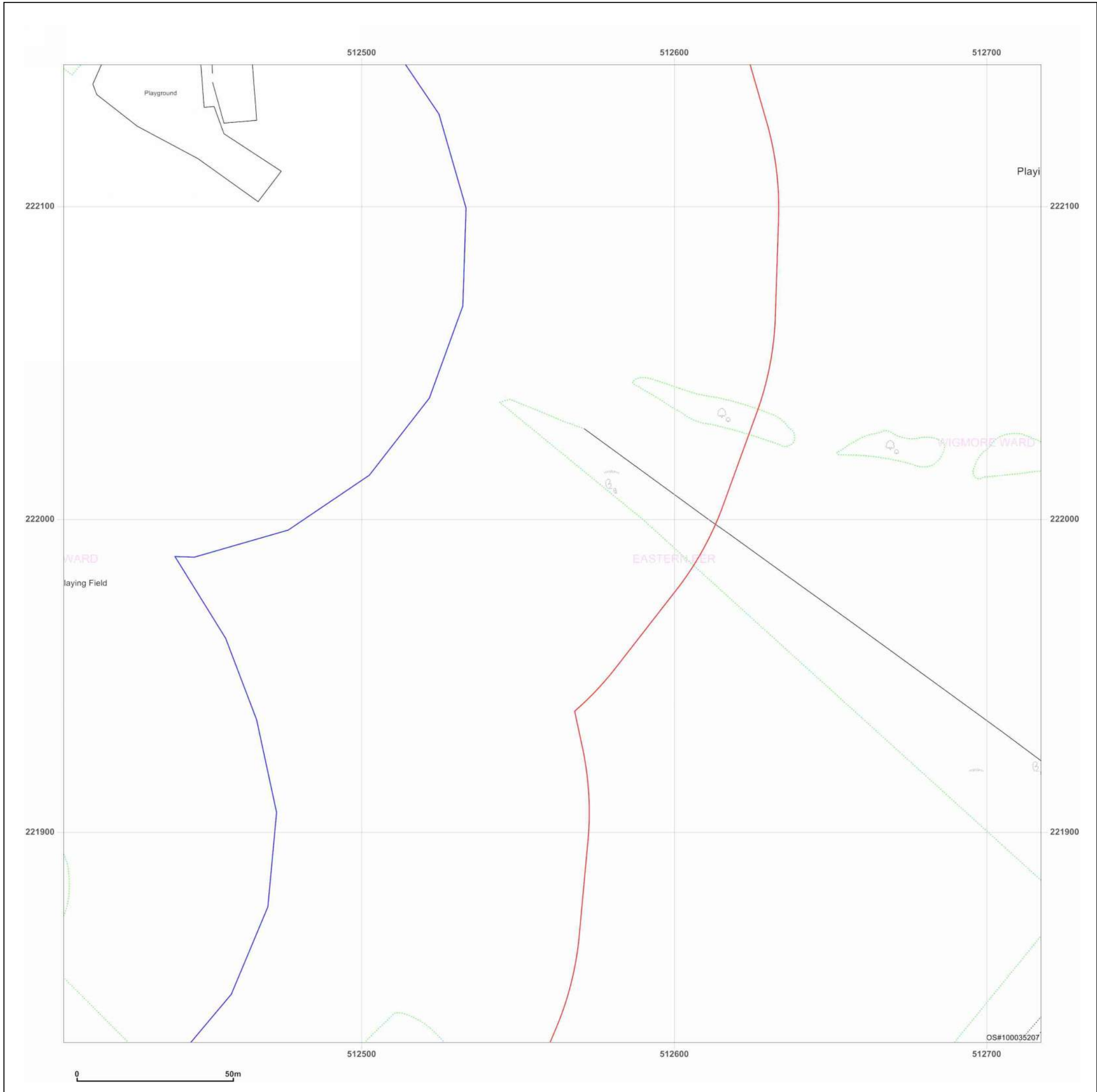
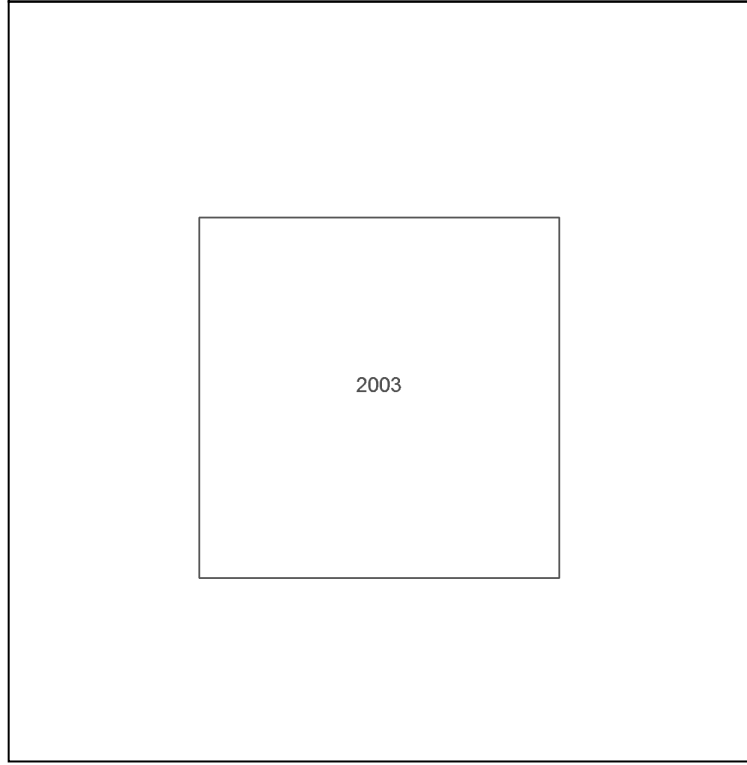
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_4
Grid Ref: 512561, 221989

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_5
Grid Ref: 512561, 222489

Map Name: National Grid

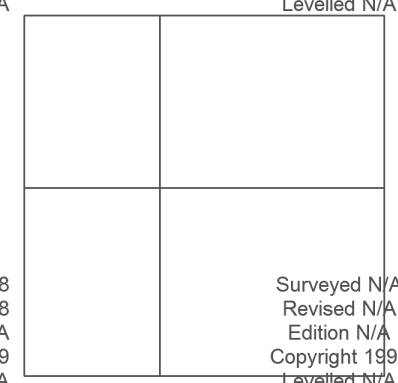
Map date: 1989-1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A	Surveyed N/A
Revised N/A	Revised N/A
Edition N/A	Edition N/A
Copyright 1993	Copyright 1993
Levelled N/A	Levelled N/A



Surveyed 1988	Surveyed N/A
Revised 1988	Revised N/A
Edition N/A	Edition N/A
Copyright 1989	Copyright 1993
Levelled N/A	Levelled N/A

Surveyed 1988	Surveyed N/A
Revised 1988	Revised N/A
Edition N/A	Edition N/A
Copyright 1989	Copyright 1993
Levelled N/A	Levelled N/A

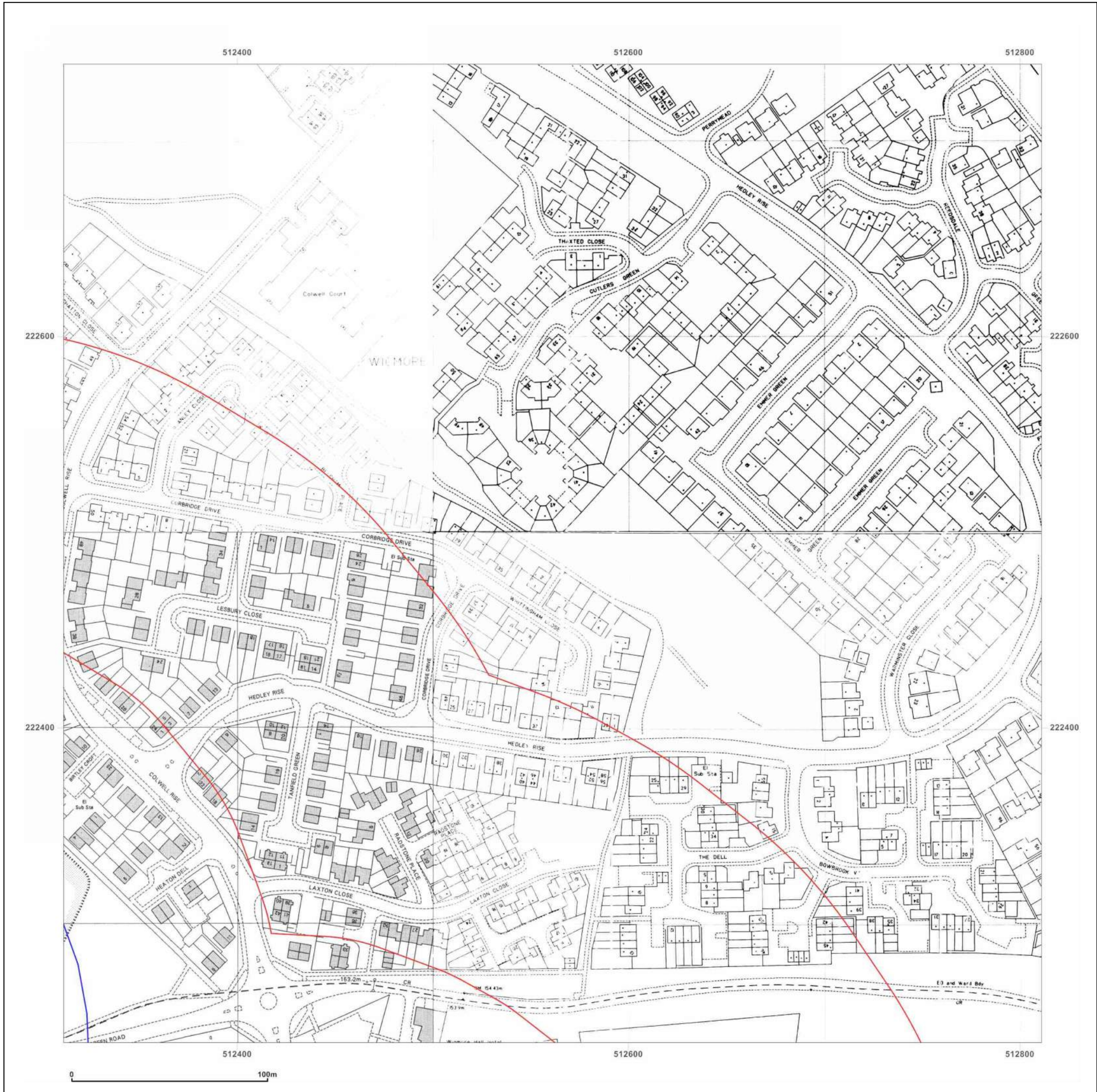


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_5
Grid Ref: 512561, 222489

Map Name: National Grid

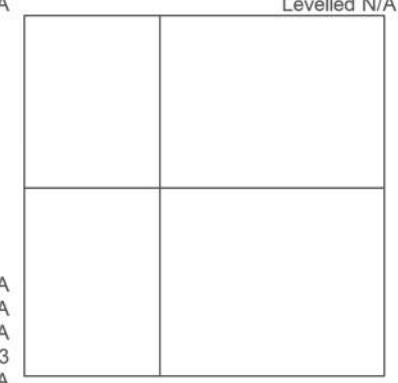
Map date: 1993-1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A	Surveyed N/A
Revised N/A	Revised N/A
Edition N/A	Edition N/A
Copyright 1994	Copyright 1993
Levelled N/A	Levelled N/A



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_5
Grid Ref: 512561, 222489

Map Name: National Grid

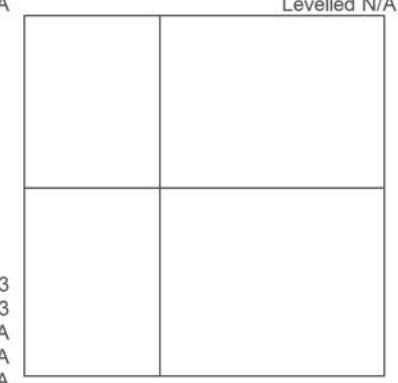
Map date: 1993-1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1994 Revised 1994 Edition N/A Copyright 1994 Levelled N/A	Surveyed 1993 Revised 1993 Edition N/A Copyright 1993 Levelled N/A
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Surveyed 1993 Revised 1993 Edition N/A Copyright N/A Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_5
Grid Ref: 512561, 222489

Map Name: National Grid

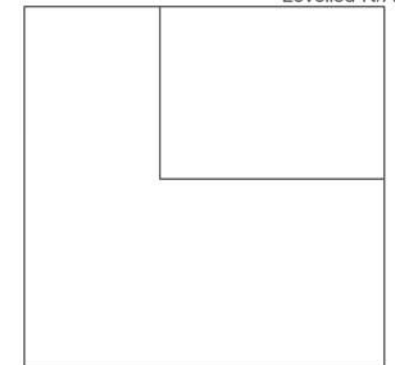
Map date: 1994

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Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1994
 Levelled N/A

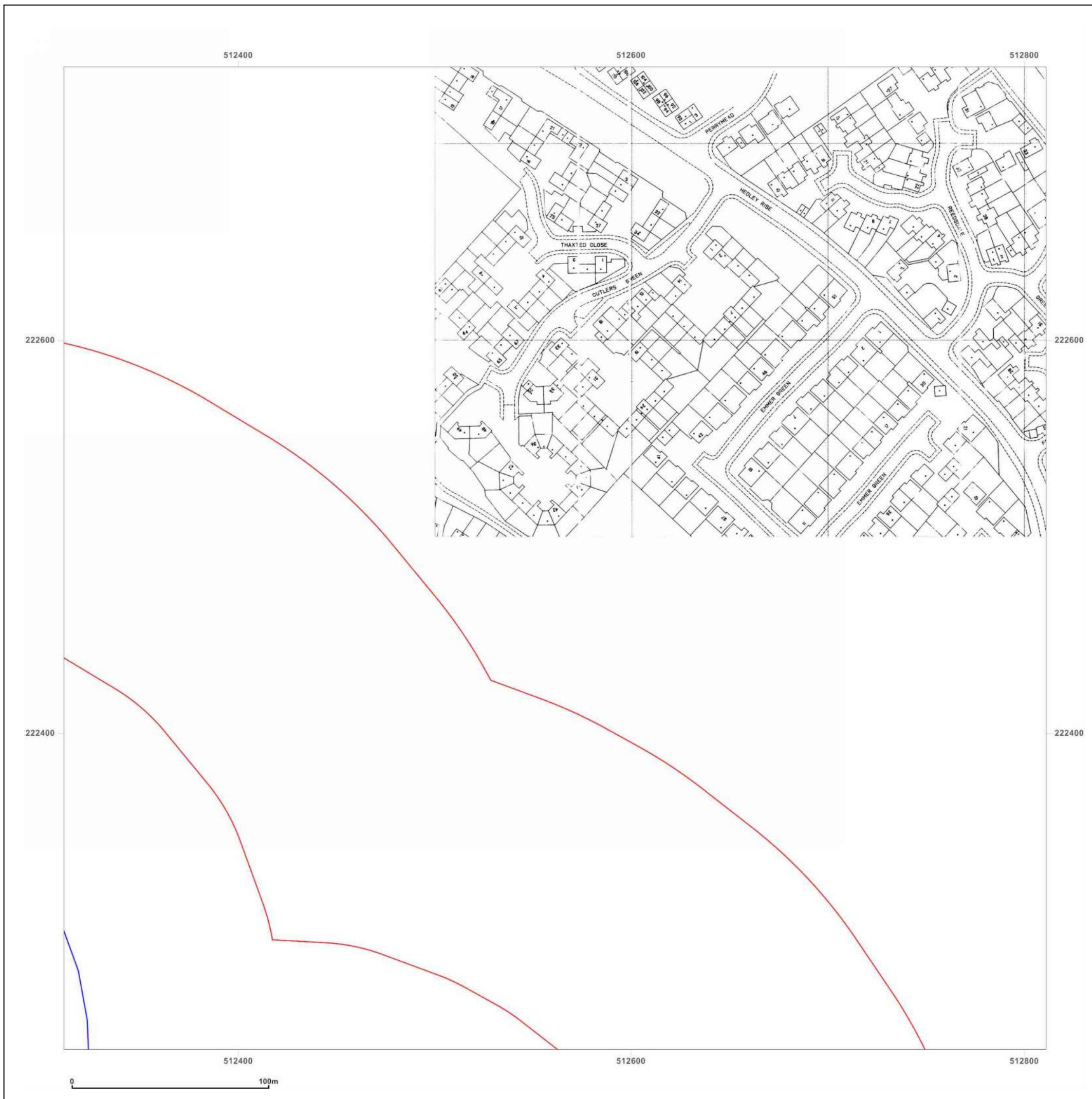


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Site Details:

Proposed Link Road - CPAR

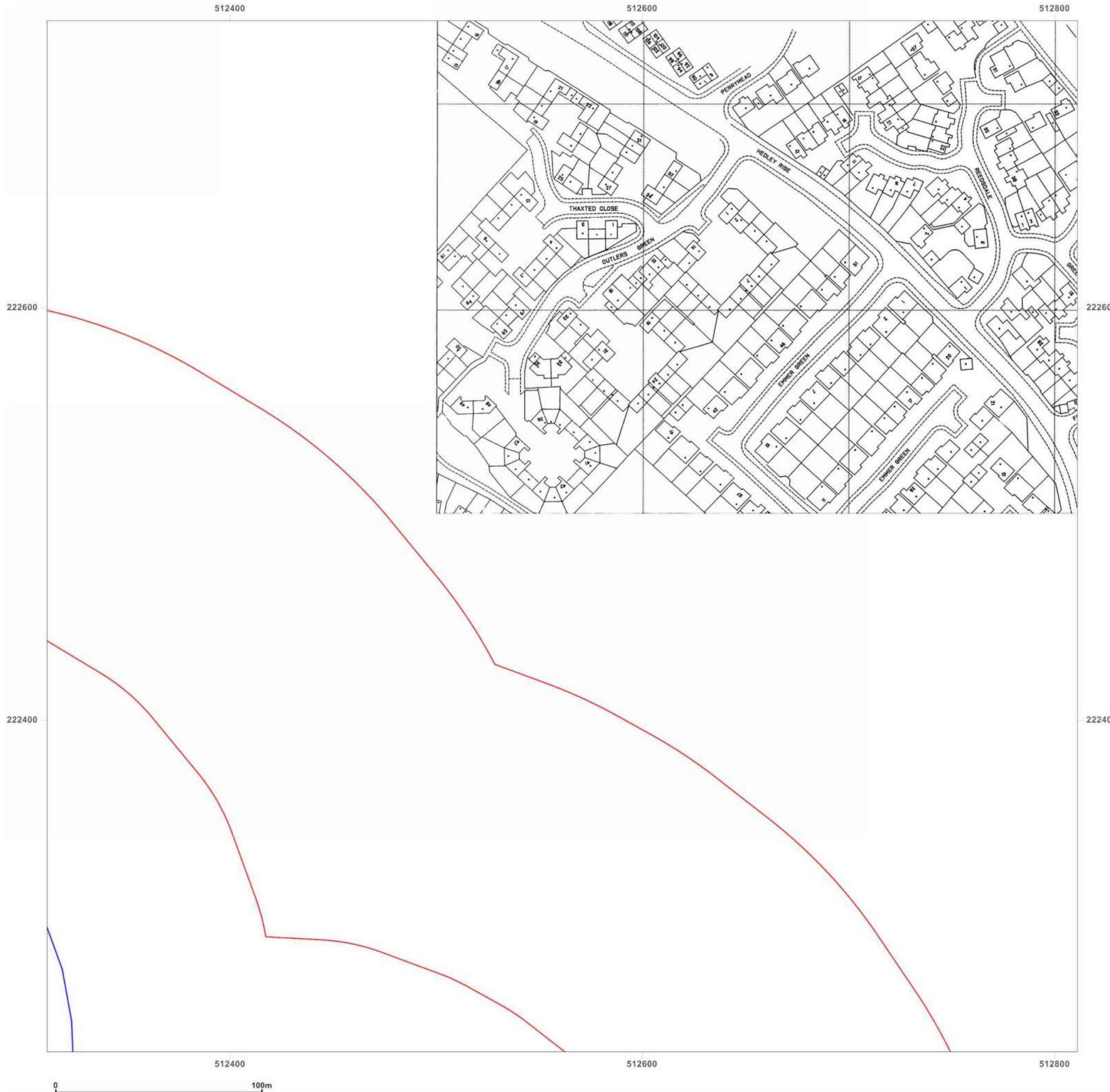
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Grid Ref: 512561, 222489

Map Name: National Grid

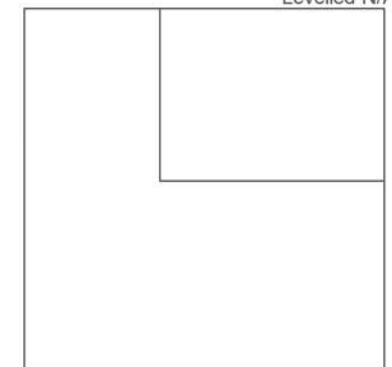
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Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1994
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_5
Grid Ref: 512561, 222489

Map Name: National Grid

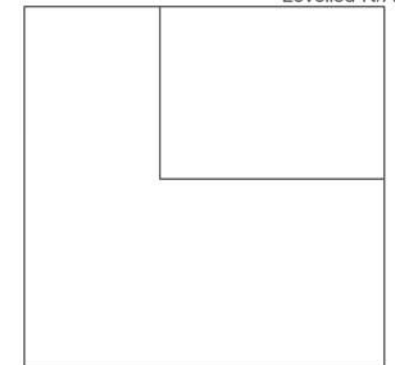
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Printed at: 1:2,000



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 Revised N/A
 Edition N/A
 Copyright 1995
 Levelled N/A

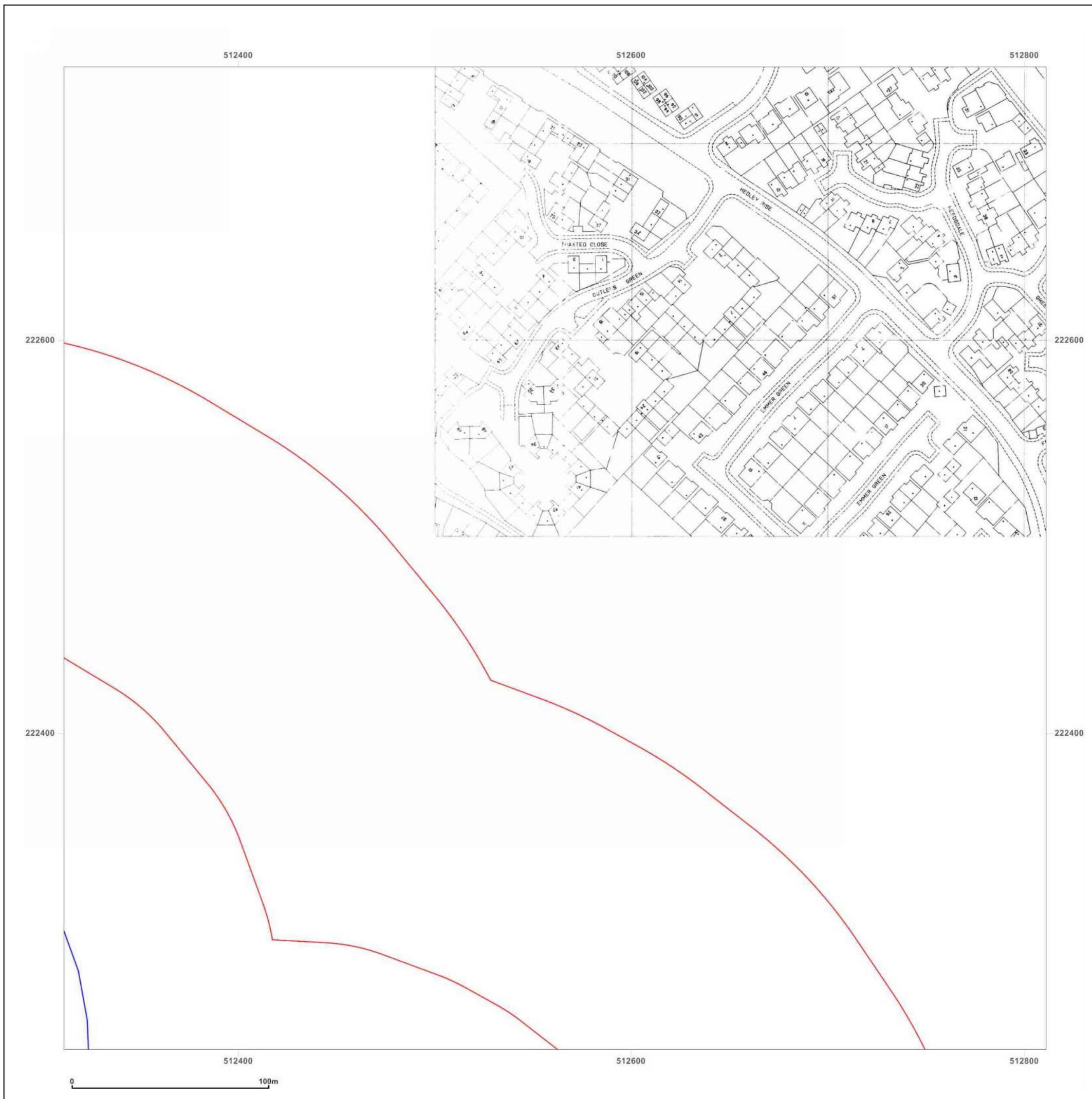


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_5
Grid Ref: 512561, 222489

Map Name: National Grid

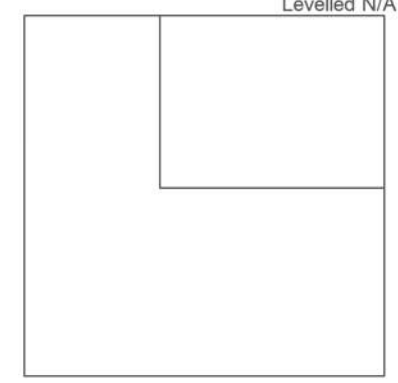
Map date: 1995

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1995
 Revised 1995
 Edition N/A
 Copyright 1995
 Levelled N/A

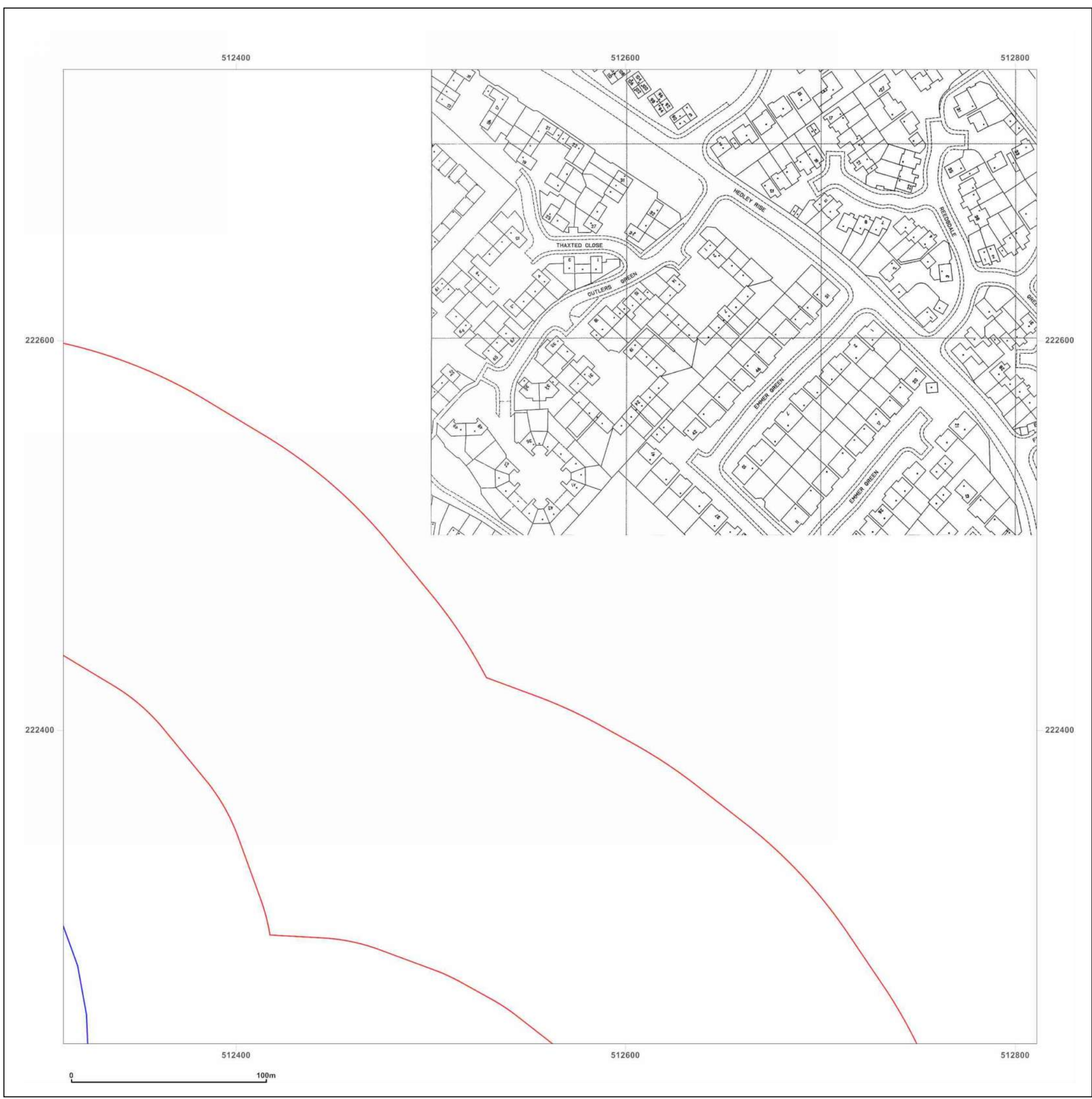


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Site Details:

Proposed Link Road - CPAR

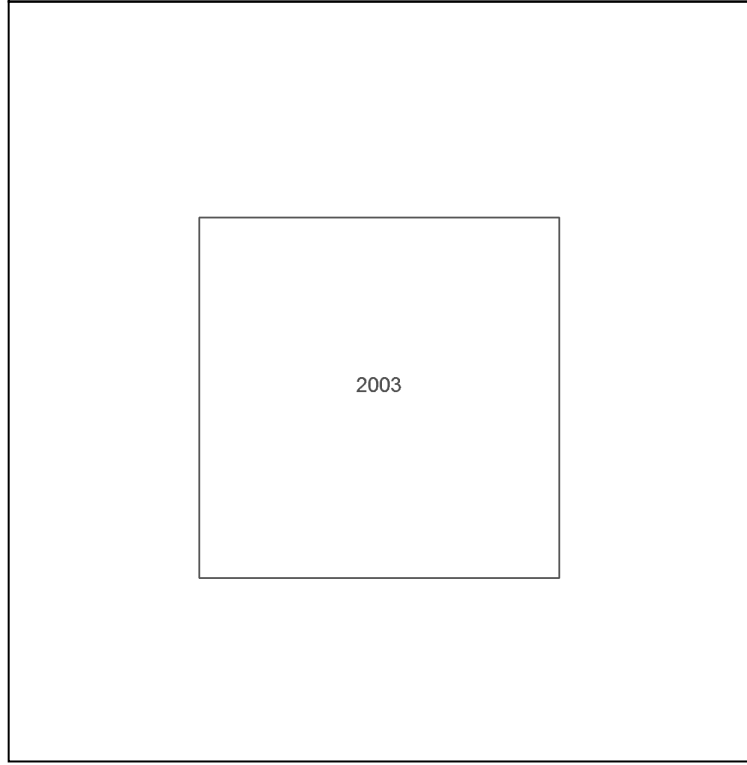
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_1250scale_4_5
Grid Ref: 512561, 222489

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



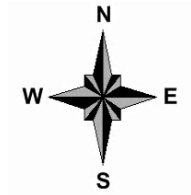
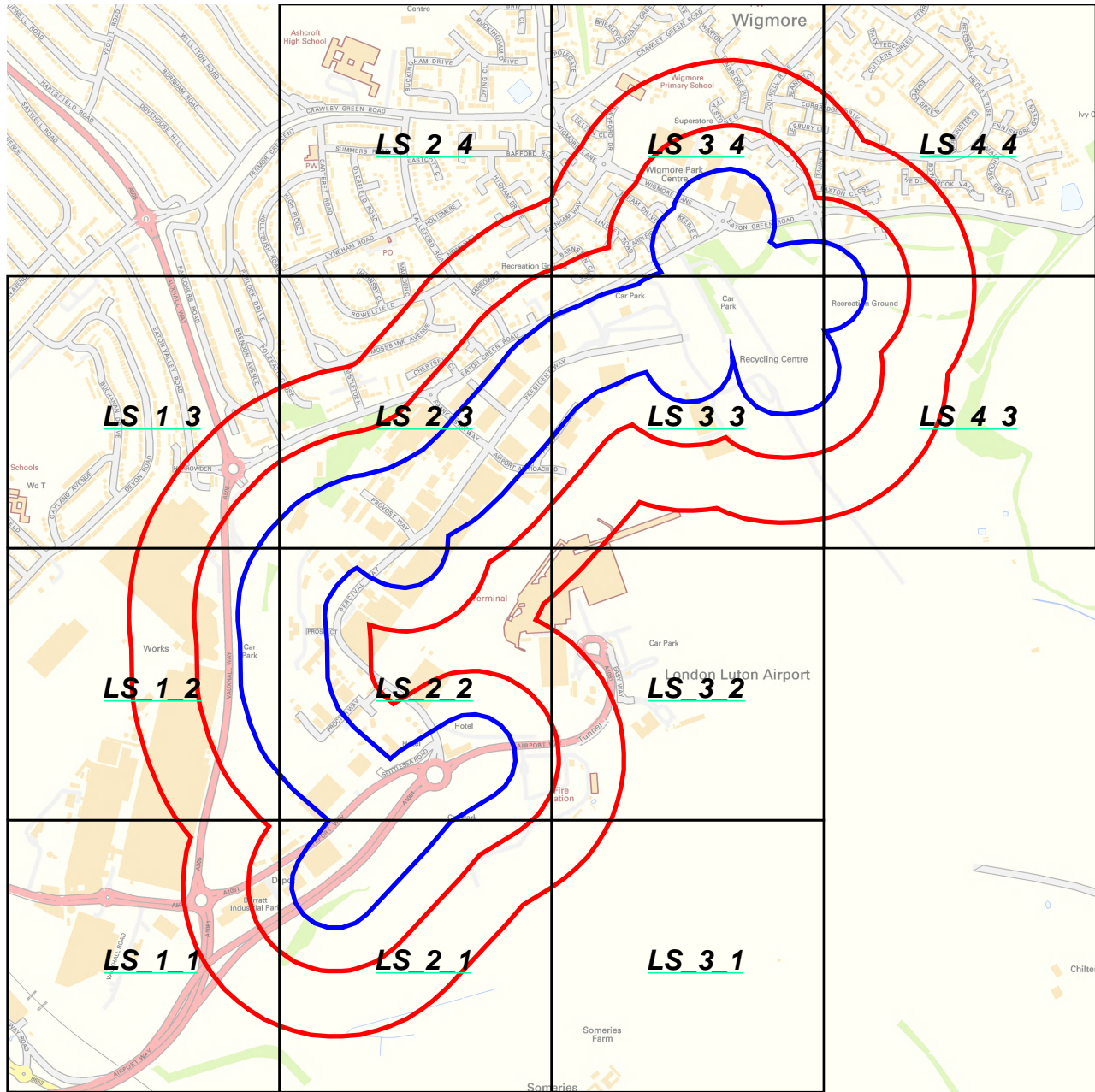
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1:2500 Scale Grid Index

Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_1
Grid Ref: 510873, 220550

Map Name: County Series

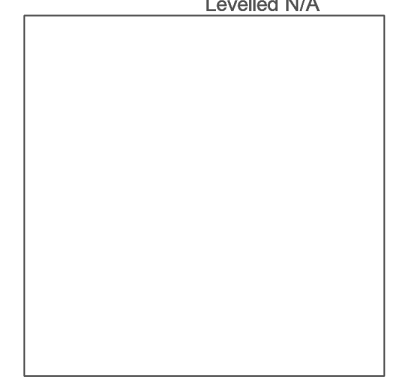
Map date: 1880

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A

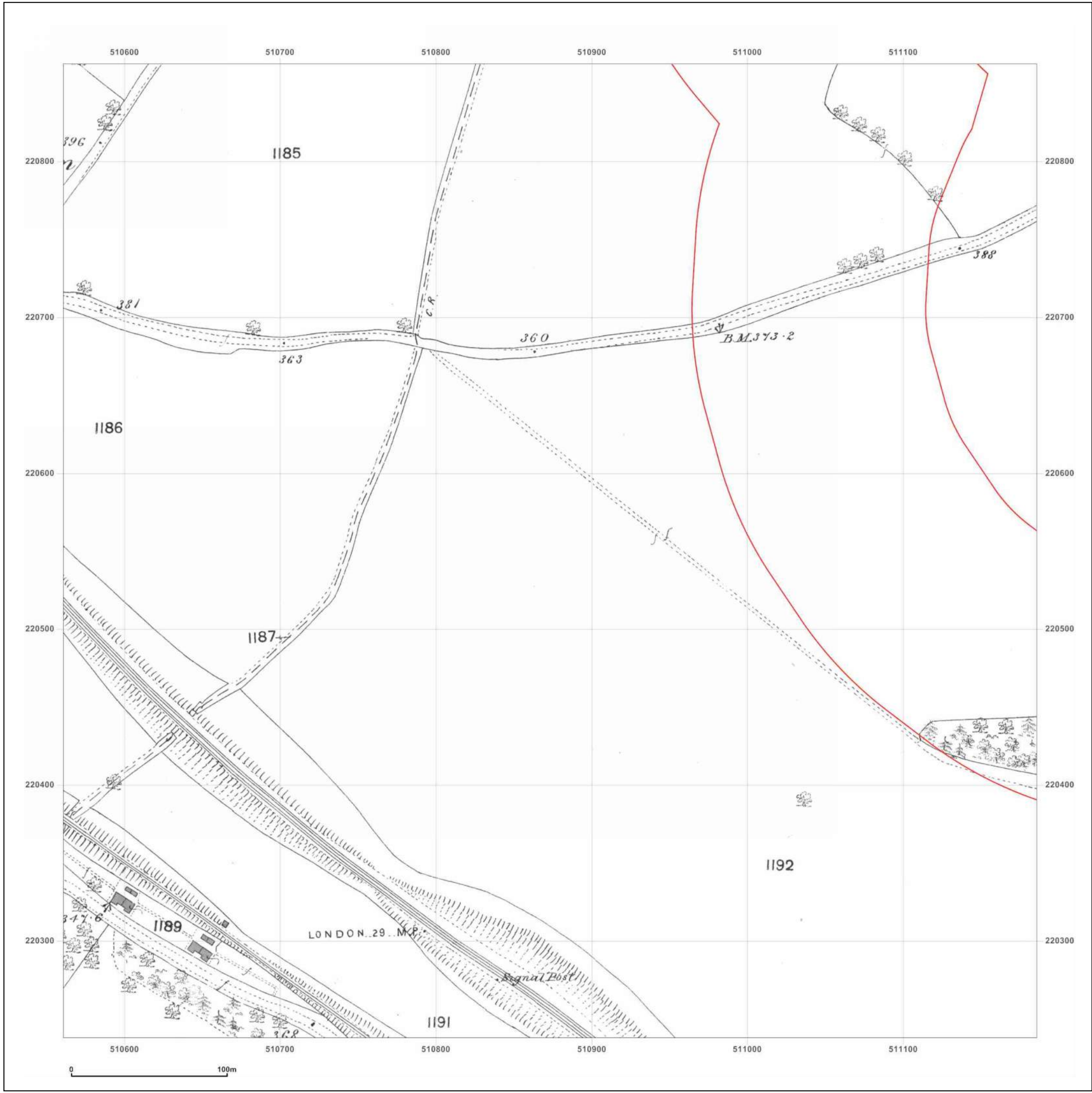


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_1
Grid Ref: 510873, 220550

Map Name: County Series

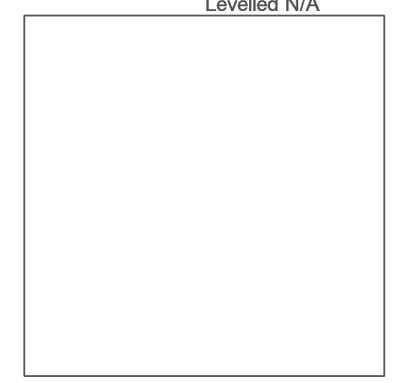
Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

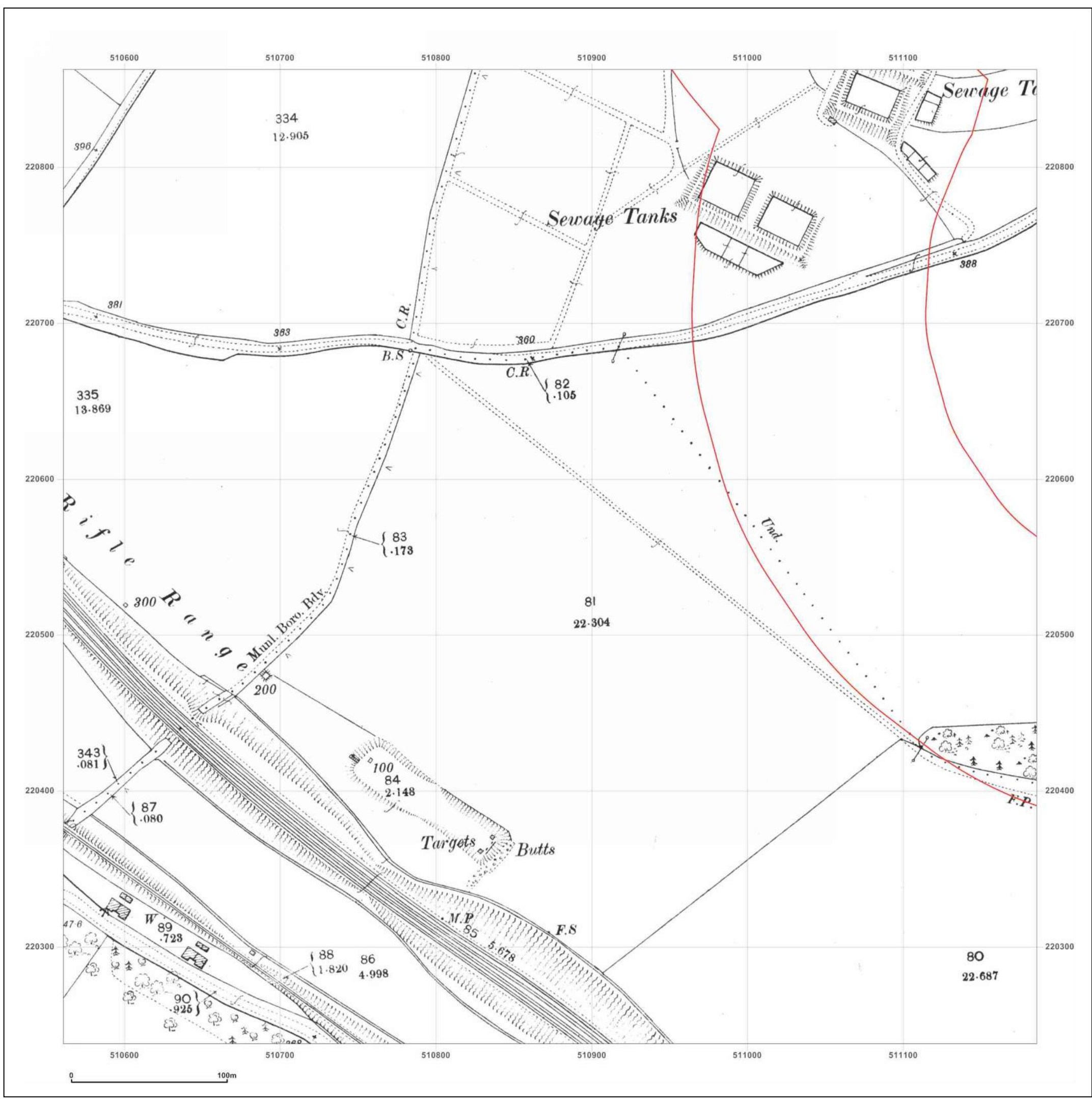


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_1
Grid Ref: 510873, 220550

Map Name: County Series

Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A



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Site Details:

Proposed Link Road - CPAR

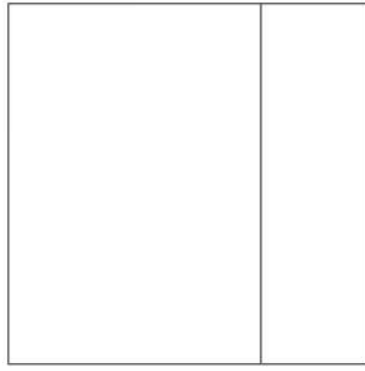
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_1
Grid Ref: 510873, 220550

Map Name: National Grid

Map date: 1971

Scale: 1:2,500

Printed at: 1:2,500

Surveyed 1962
 Revised 1971
 Edition N/A
 Copyright 1973
 Levelled 1958

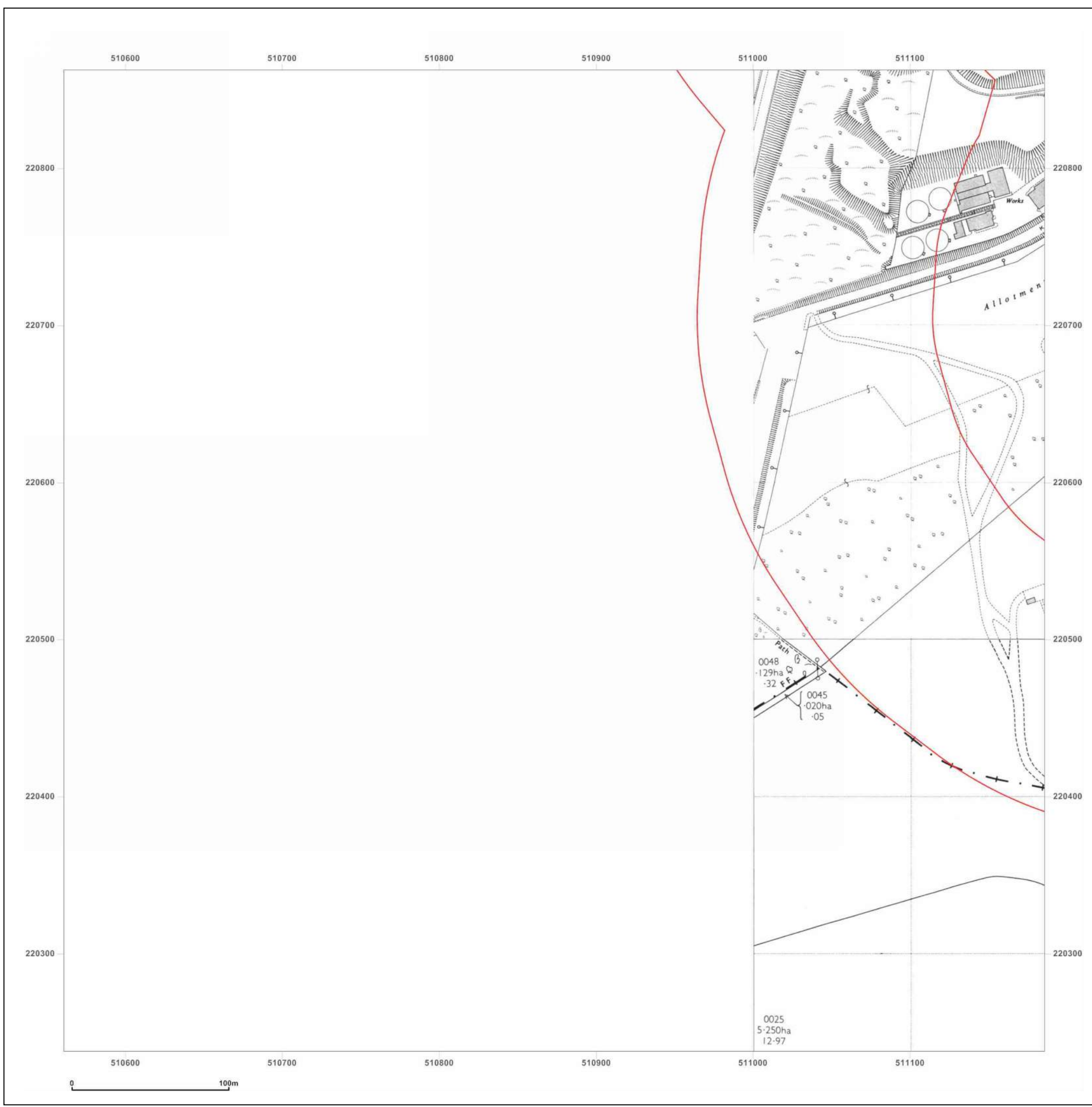


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_2
Grid Ref: 510873, 221176

Map Name: County Series

Map date: 1880

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A

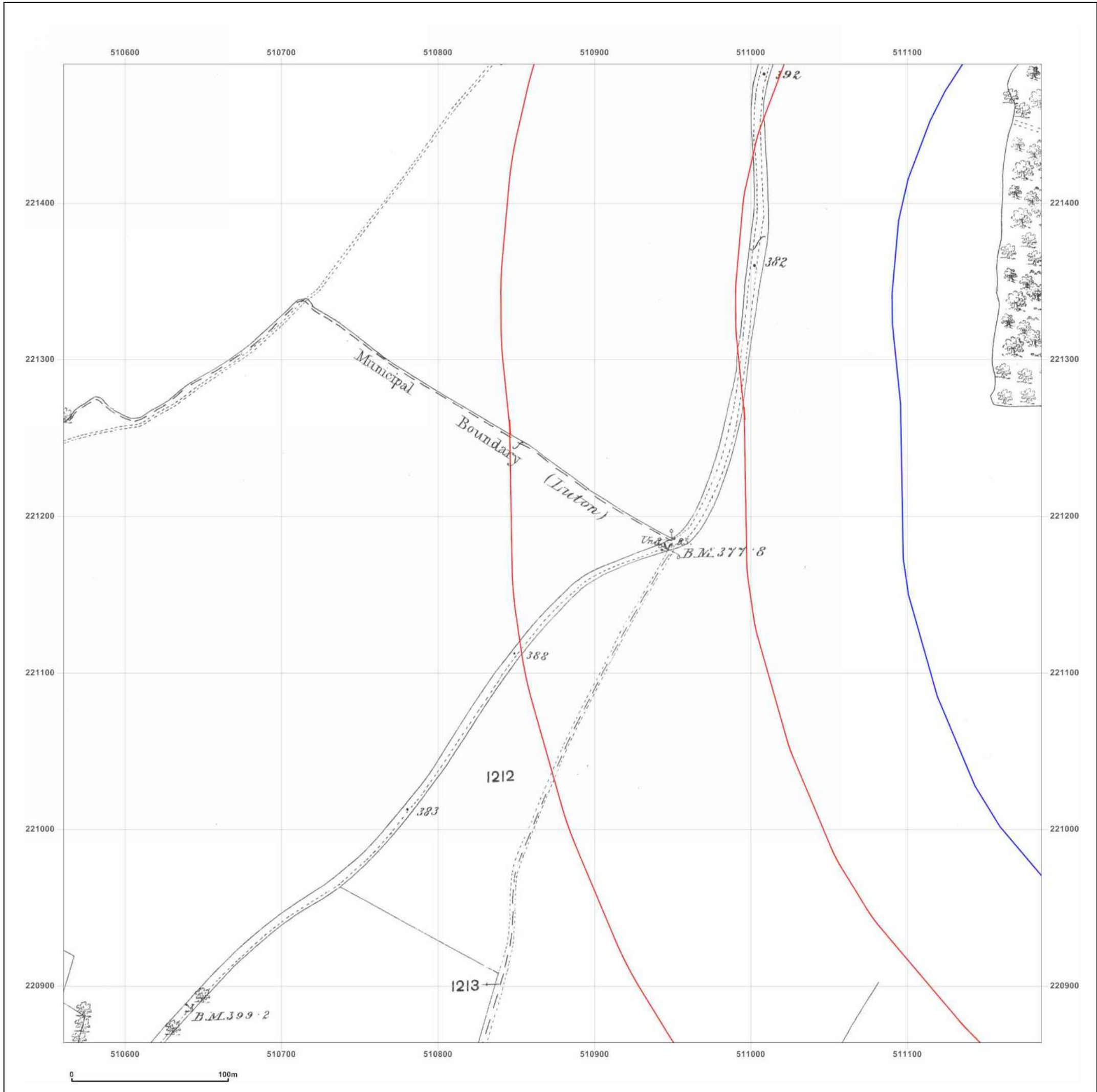


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_2
Grid Ref: 510873, 221176

Map Name: County Series

Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

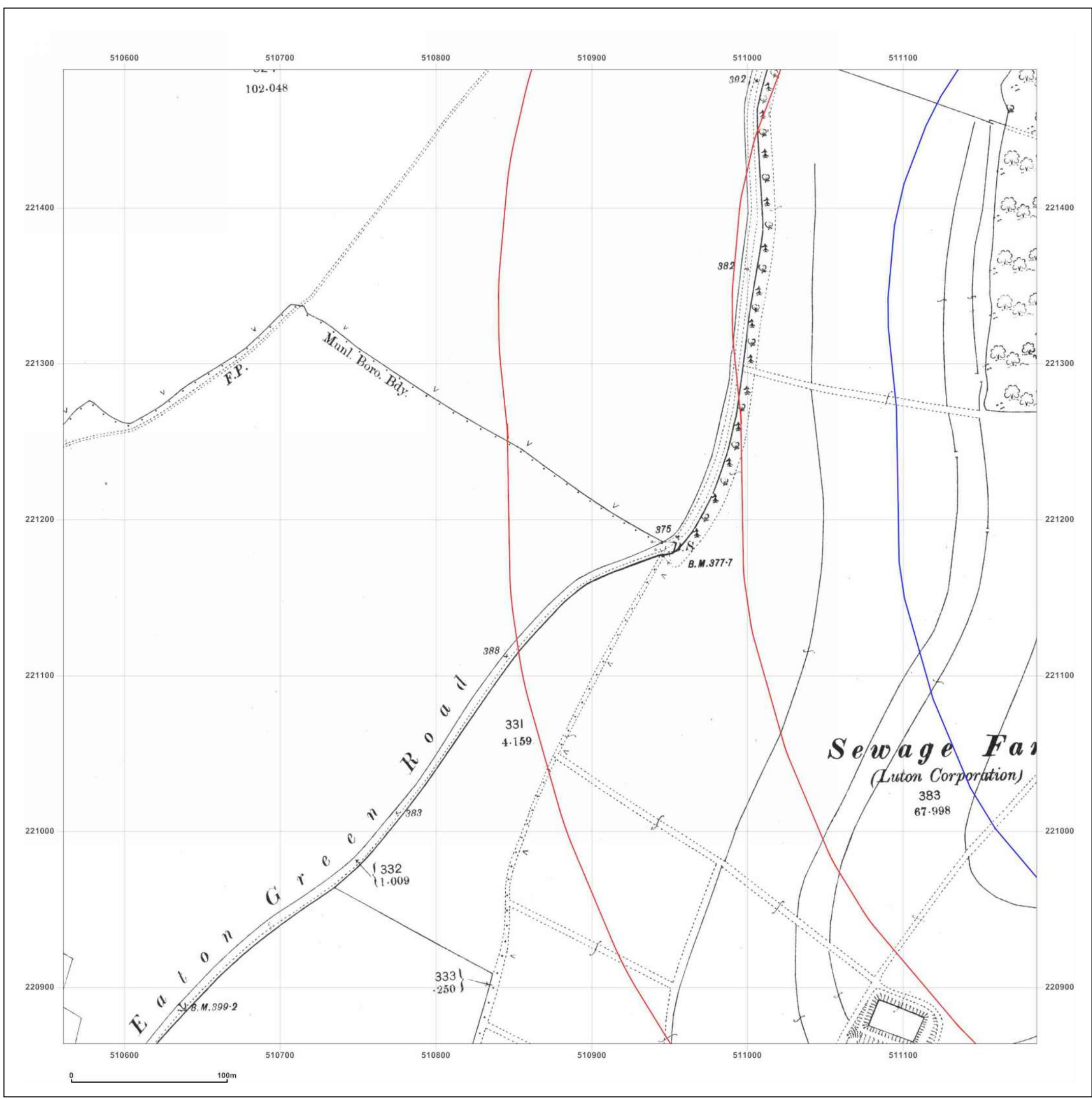


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_2
Grid Ref: 510873, 221176

Map Name: County Series

Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

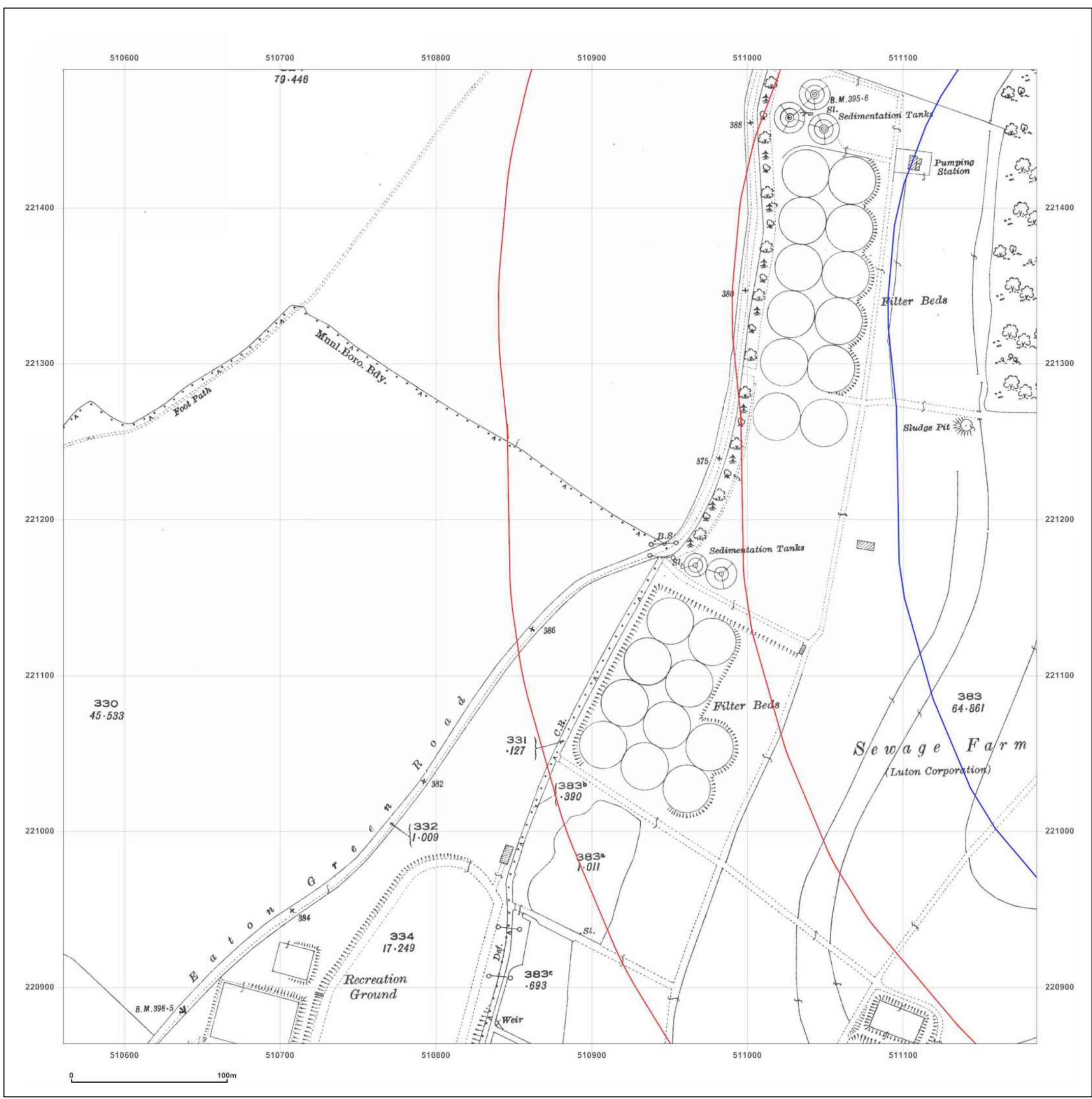


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_2
Grid Ref: 510873, 221176

Map Name: National Grid

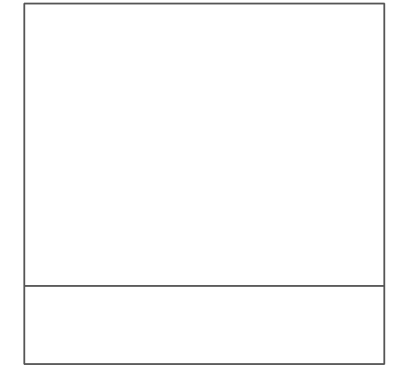
Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
 Revised 1962
 Edition 1964
 Copyright 1964
 Levelled 1958

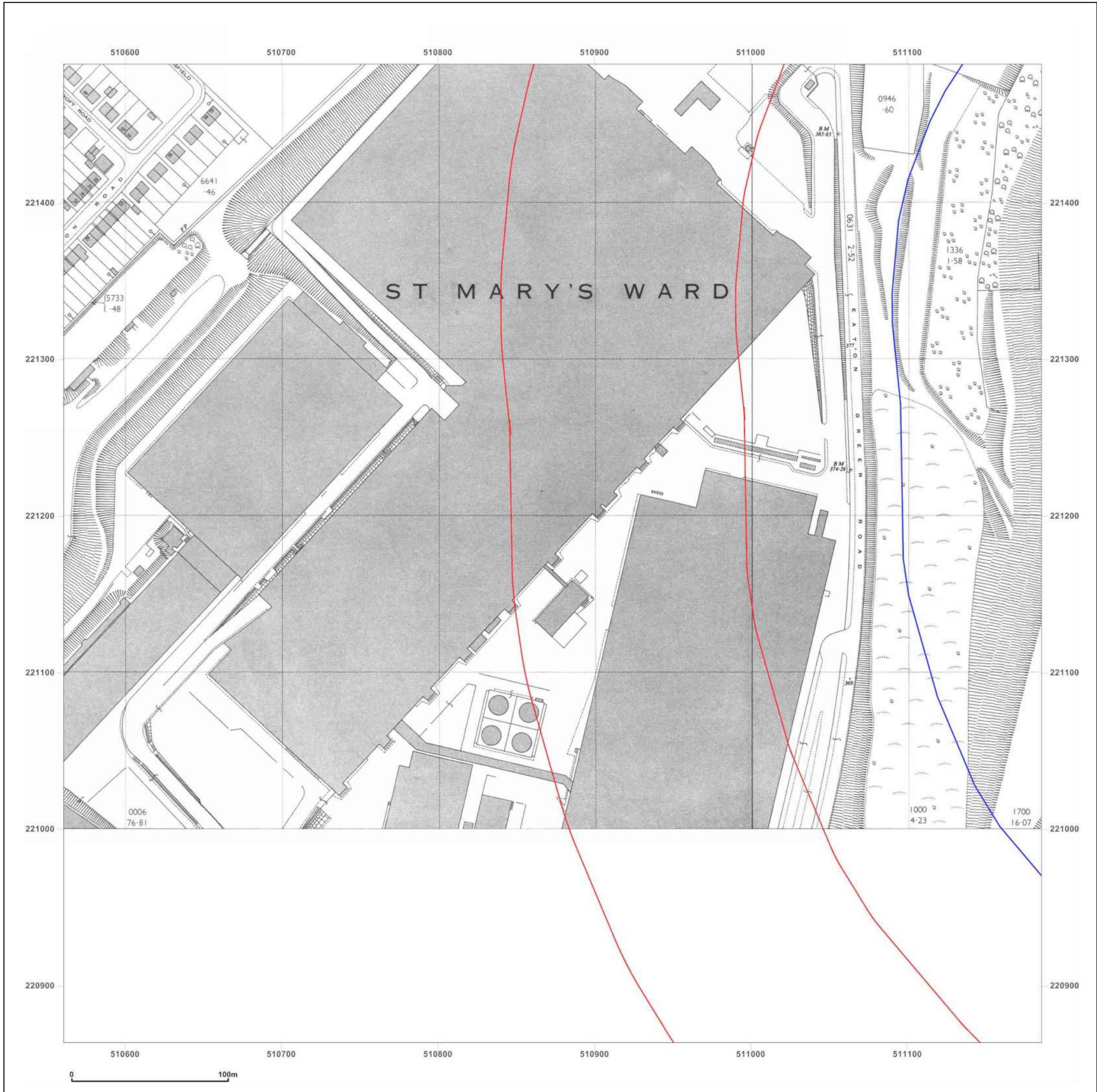


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Site Details:

Proposed Link Road - CPAR

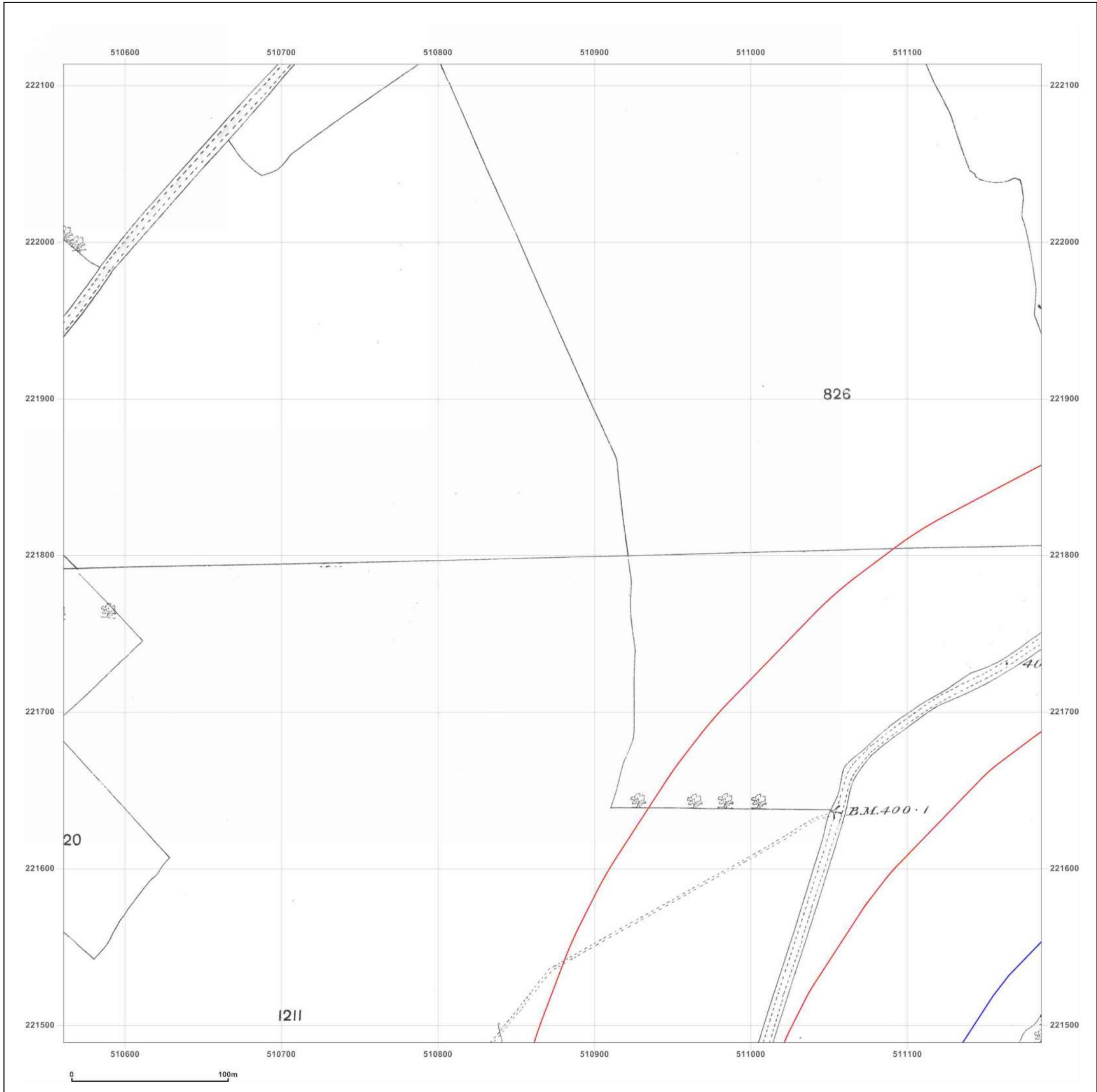
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_3
Grid Ref: 510873, 221801

Map Name: County Series

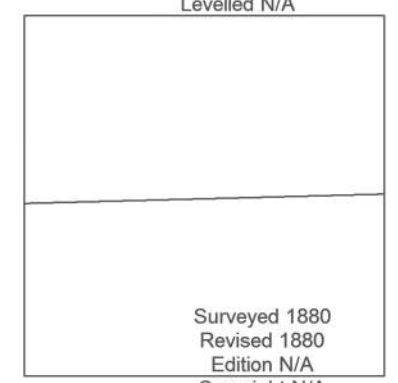
Map date: 1880

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A



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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

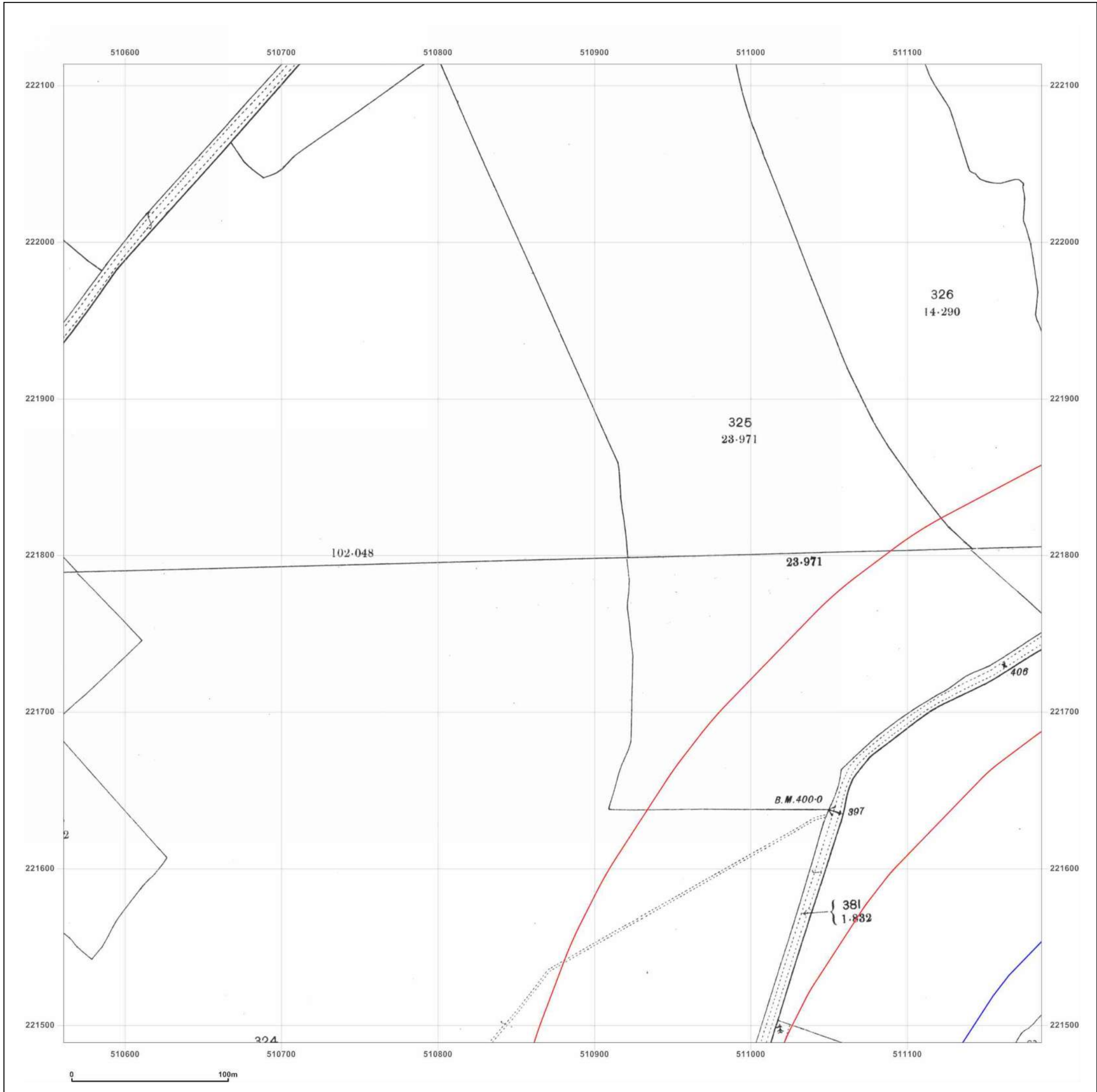
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Report Ref: GSIP-2020-10588-3214_LS_1_3
Grid Ref: 510873, 221801

Map Name: County Series

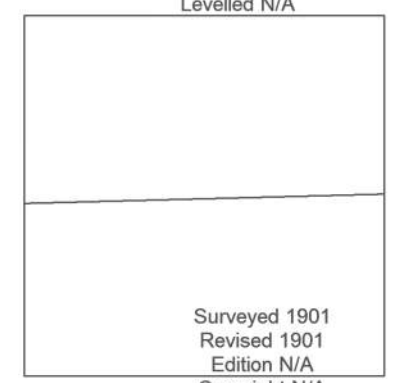
Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
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Site Details:

Proposed Link Road - CPAR

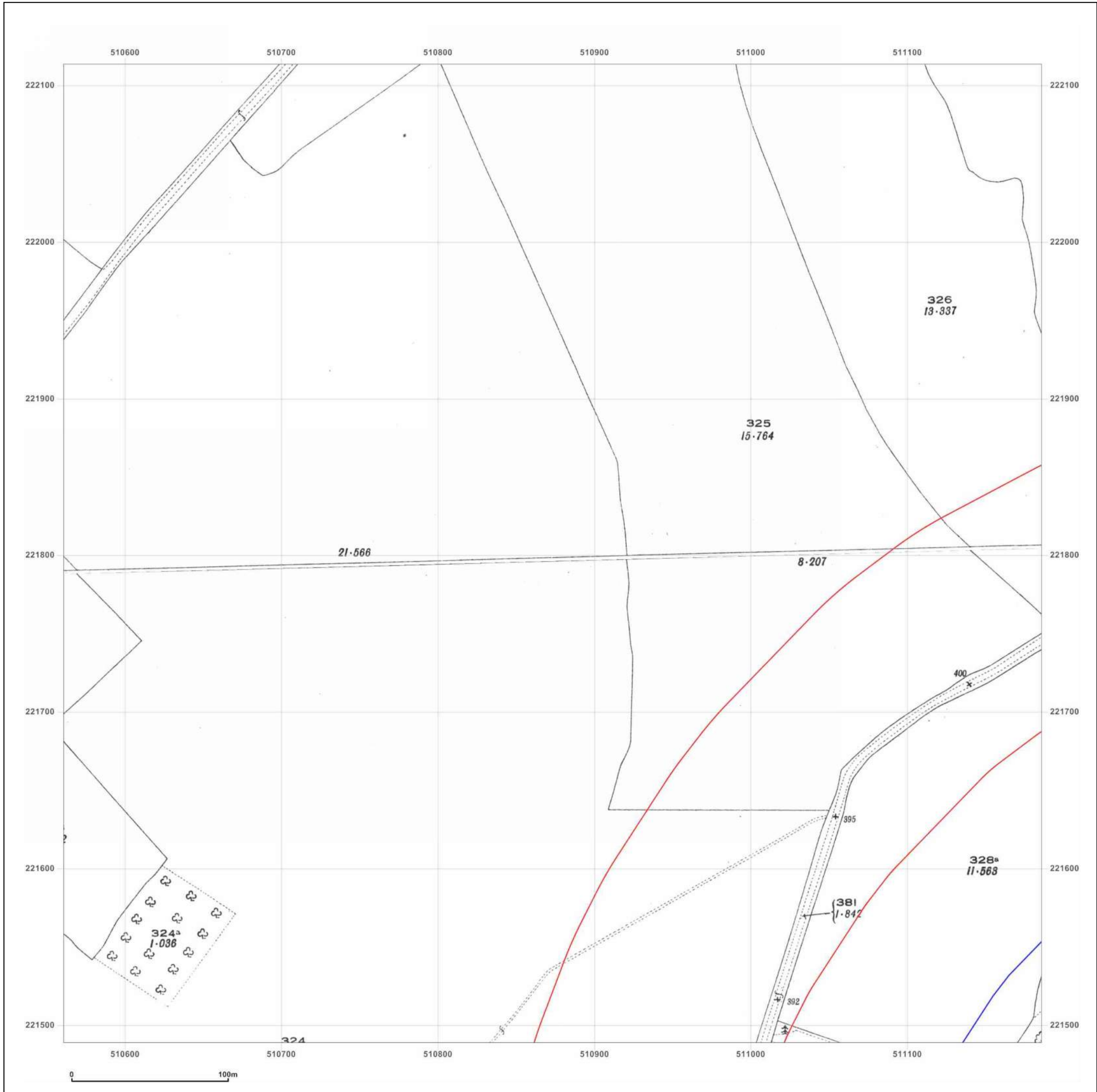
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Report Ref: GSIP-2020-10588-3214_LS_1_3
Grid Ref: 510873, 221801

Map Name: County Series

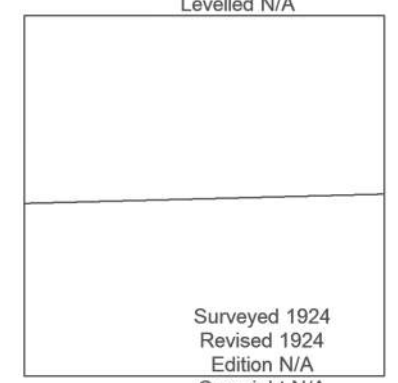
Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_1_3
Grid Ref: 510873, 221801

Map Name: National Grid

Map date: 1961-1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
Revised 1961
Edition 1963
Copyright 1963
Levelled 1958

Surveyed 1961
Revised 1962
Edition 1964
Copyright 1964
Levelled 1958

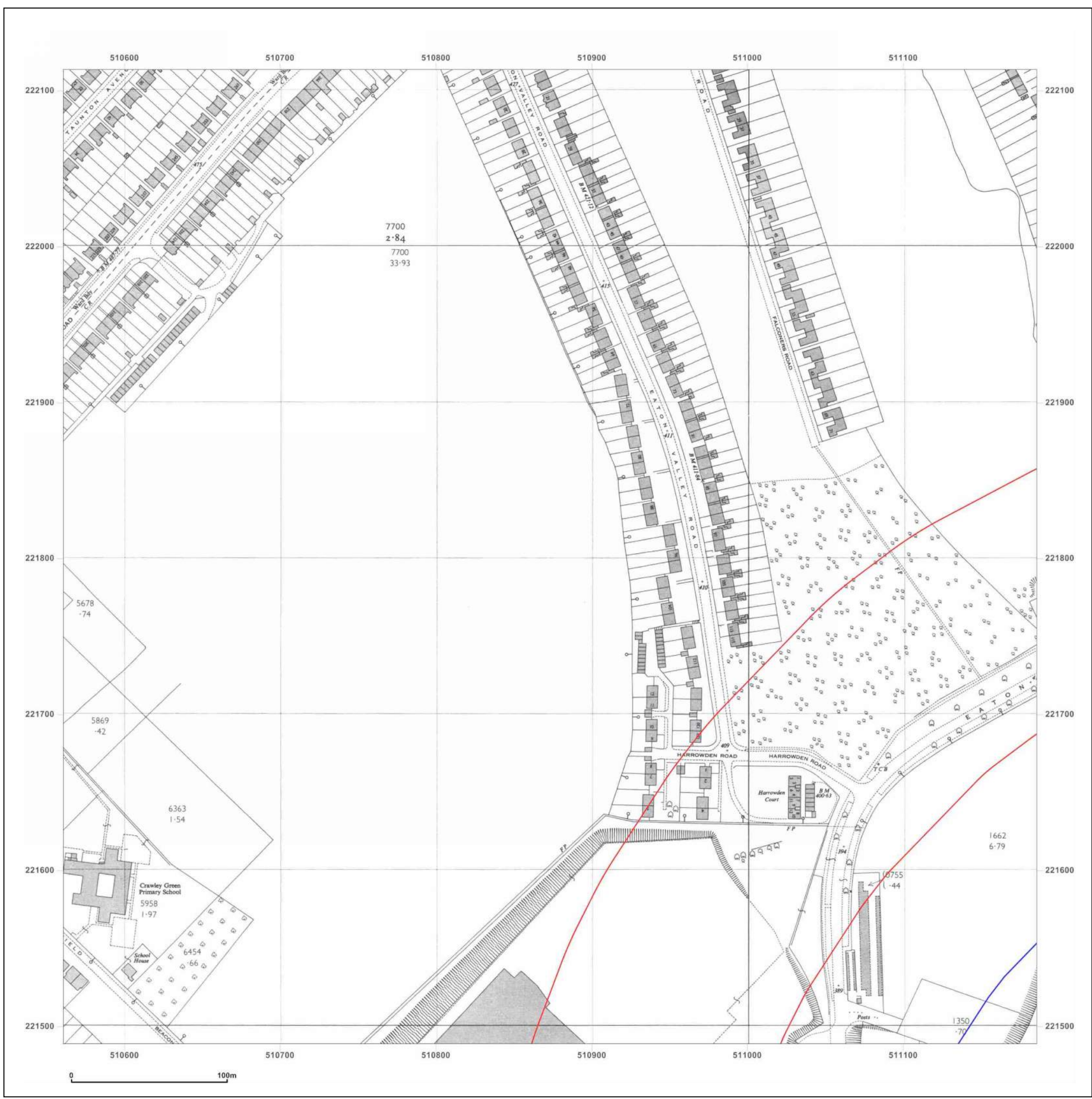


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_1
Grid Ref: 511498, 220550

Map Name: County Series

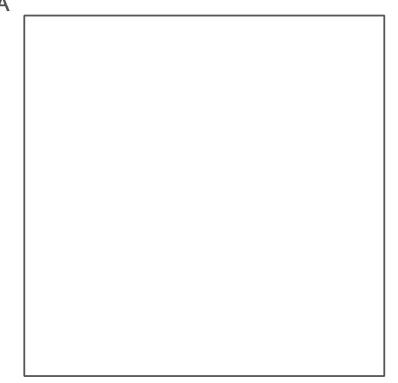
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A

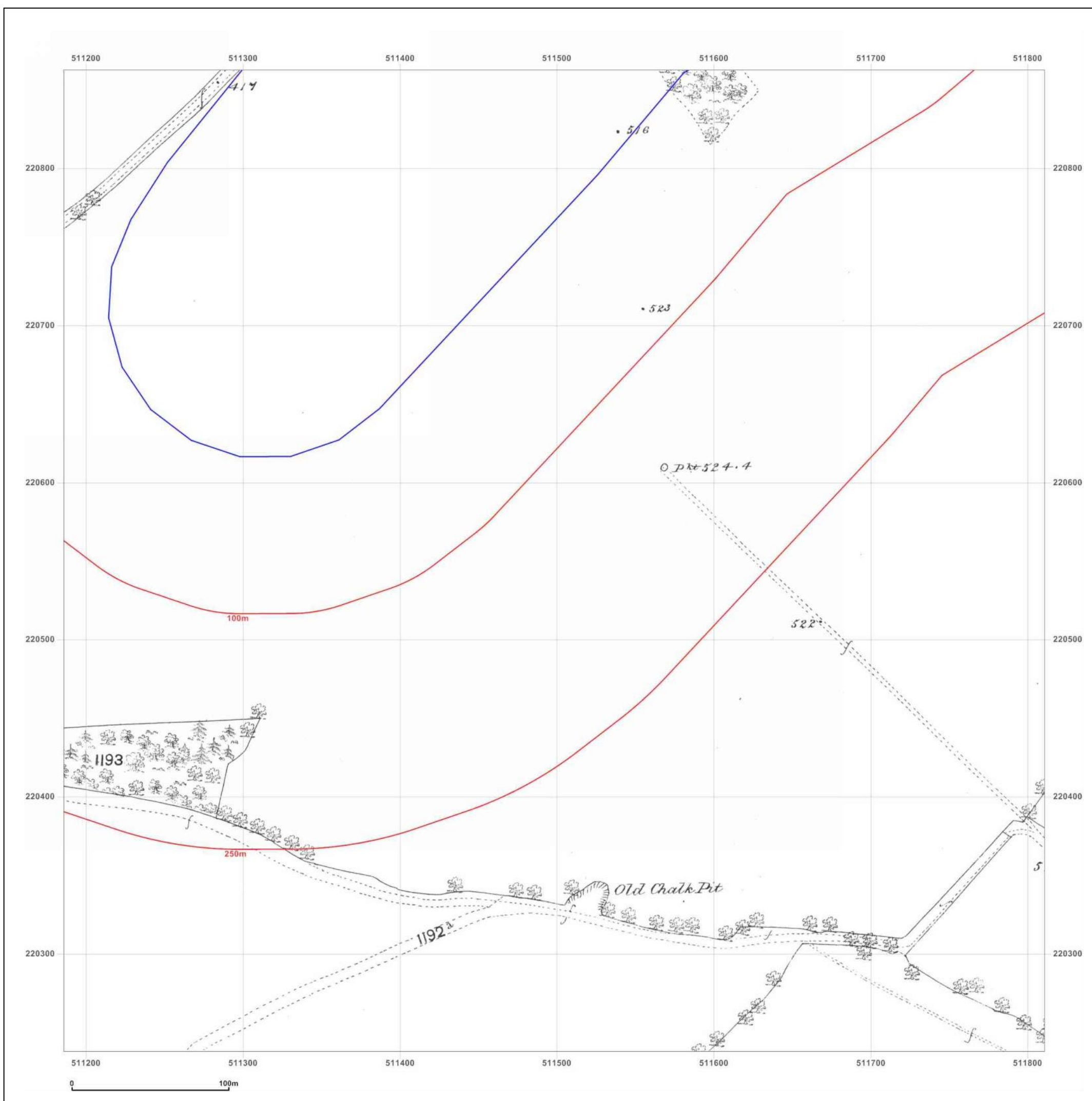


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Production date: 23 November 2020

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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_1
Grid Ref: 511498, 220550

Map Name: County Series

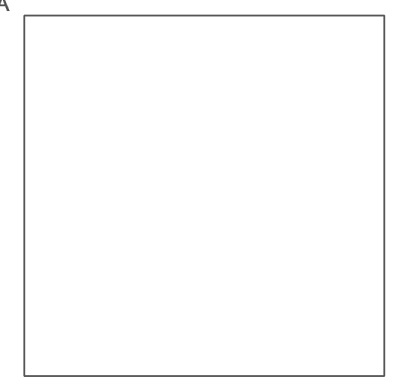
Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

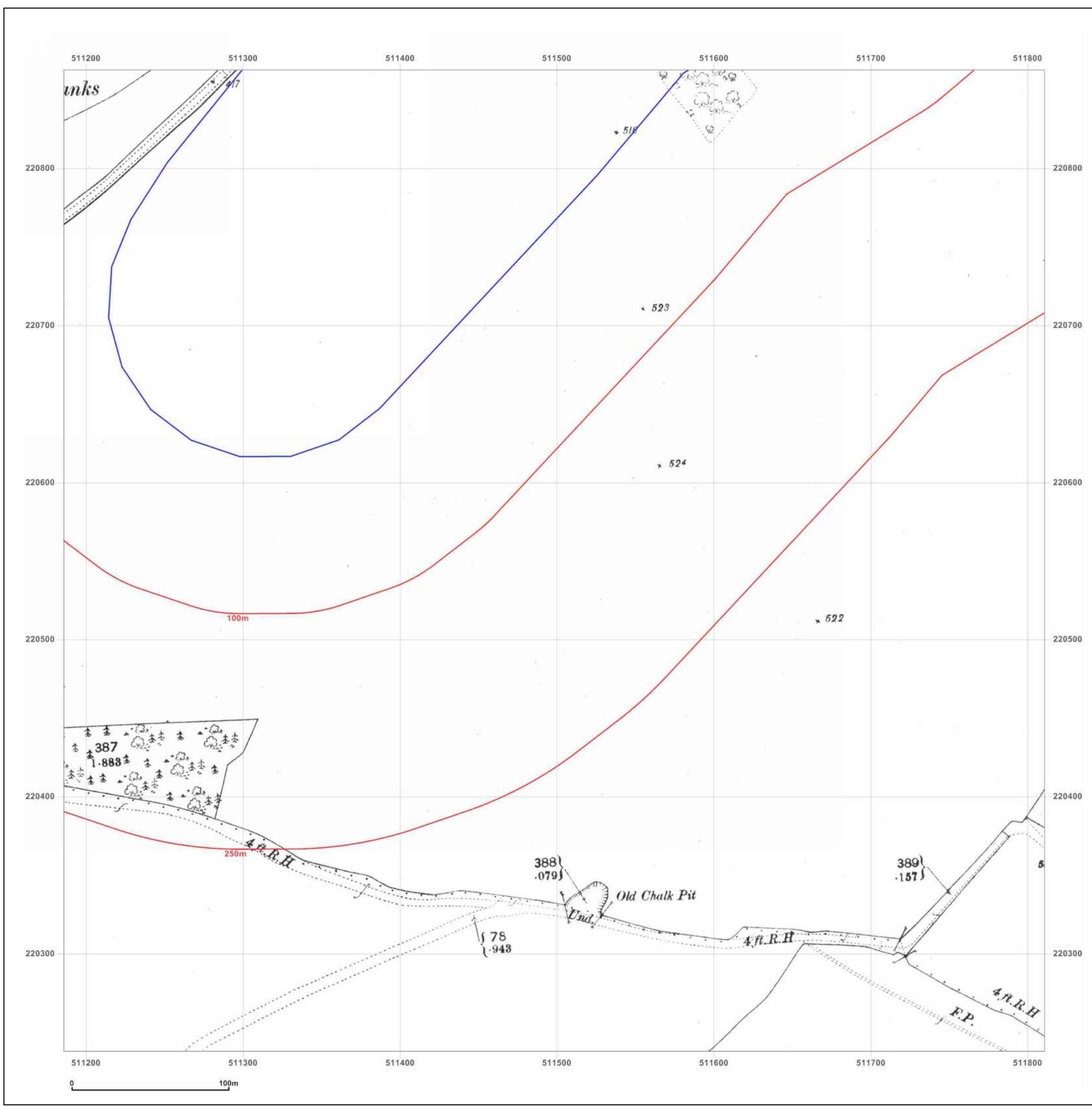


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_1
Grid Ref: 511498, 220550

Map Name: County Series

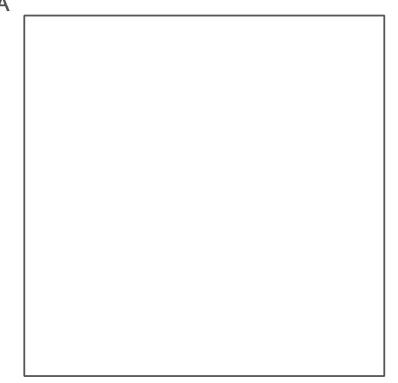
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

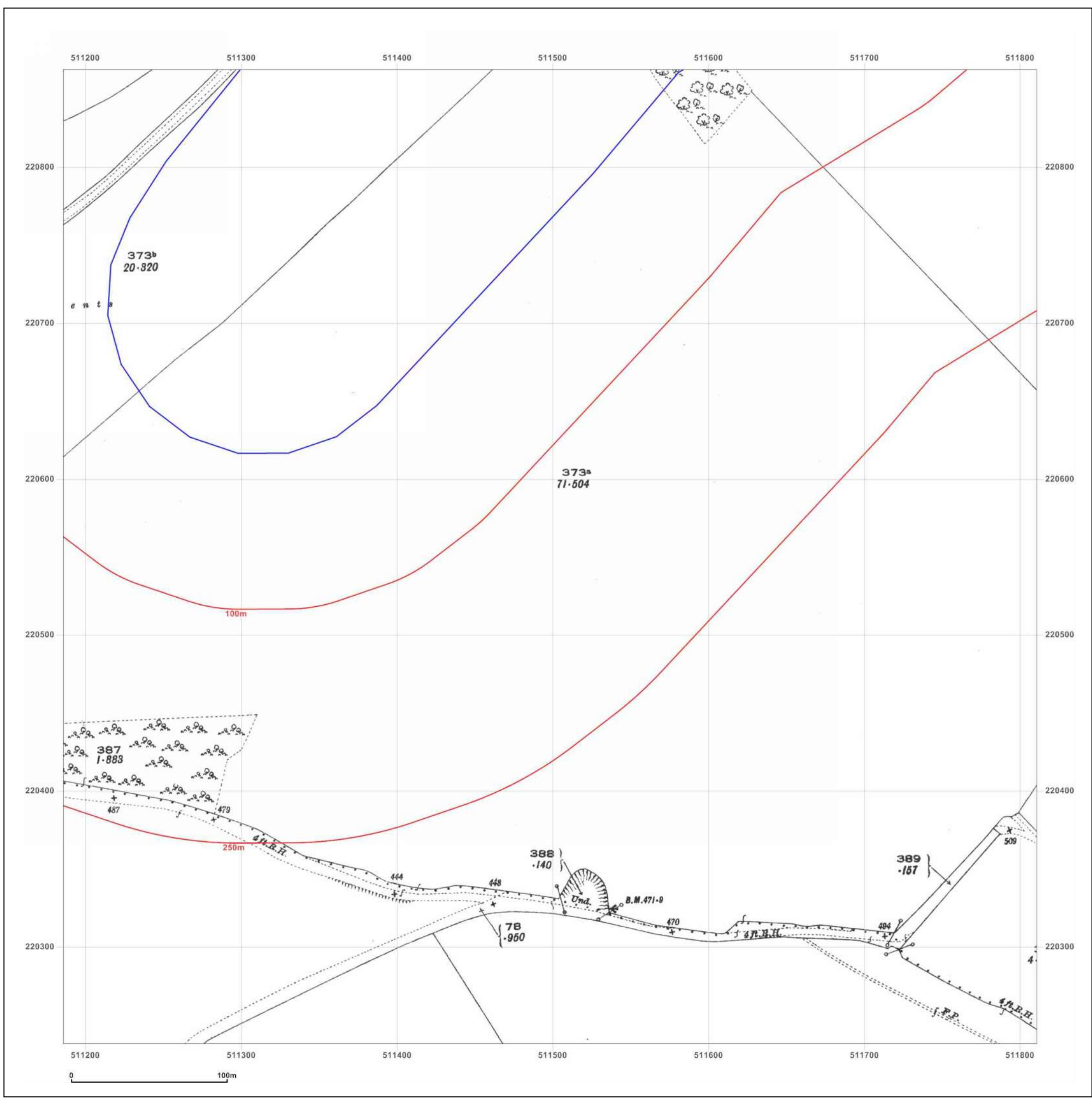


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_1
Grid Ref: 511498, 220550

Map Name: National Grid

Map date: 1971

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
 Revised 1971
 Edition N/A
 Copyright 1973
 Levelled 1958

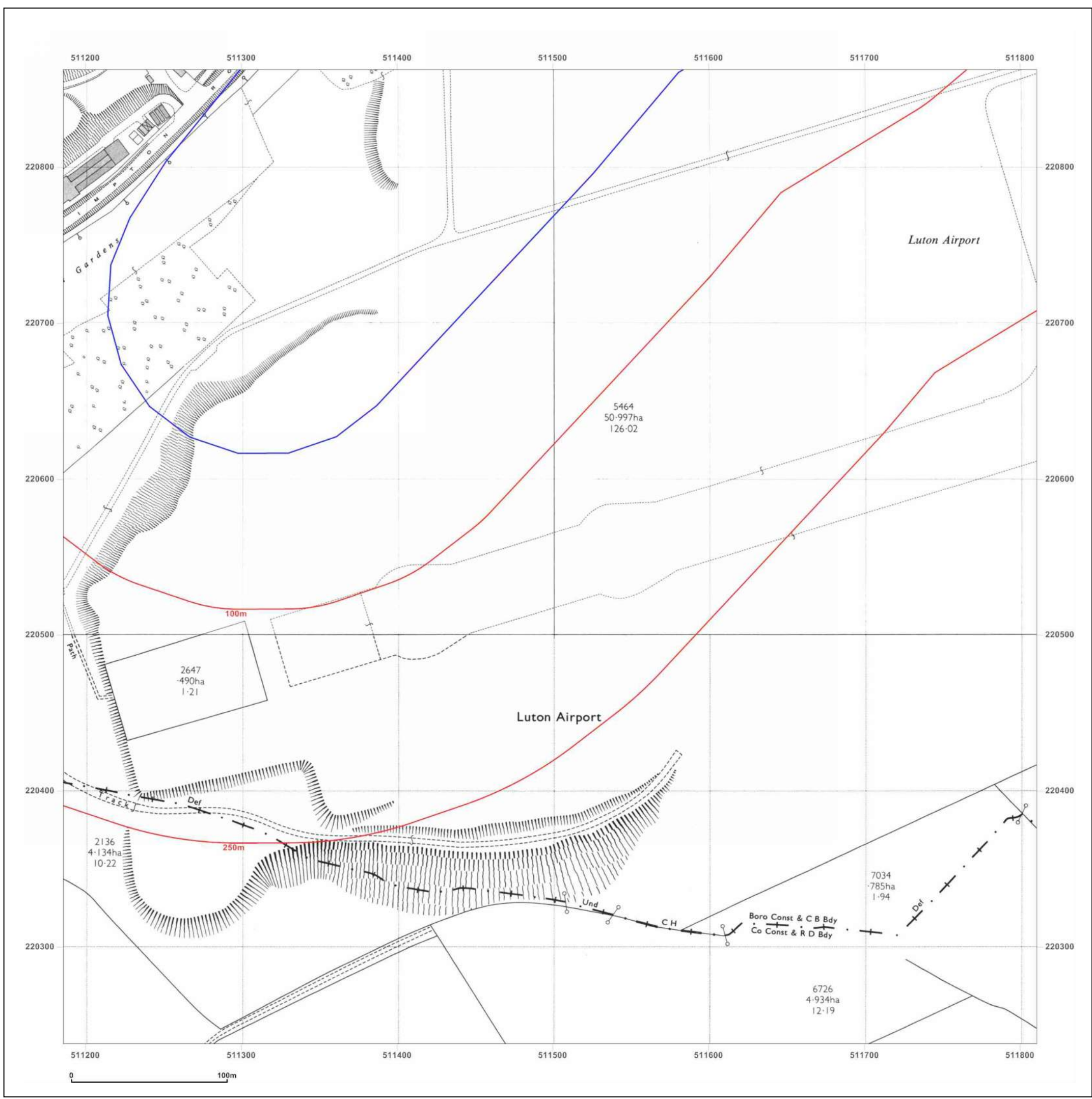


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_2
Grid Ref: 511498, 221176

Map Name: County Series

Map date: 1880

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A

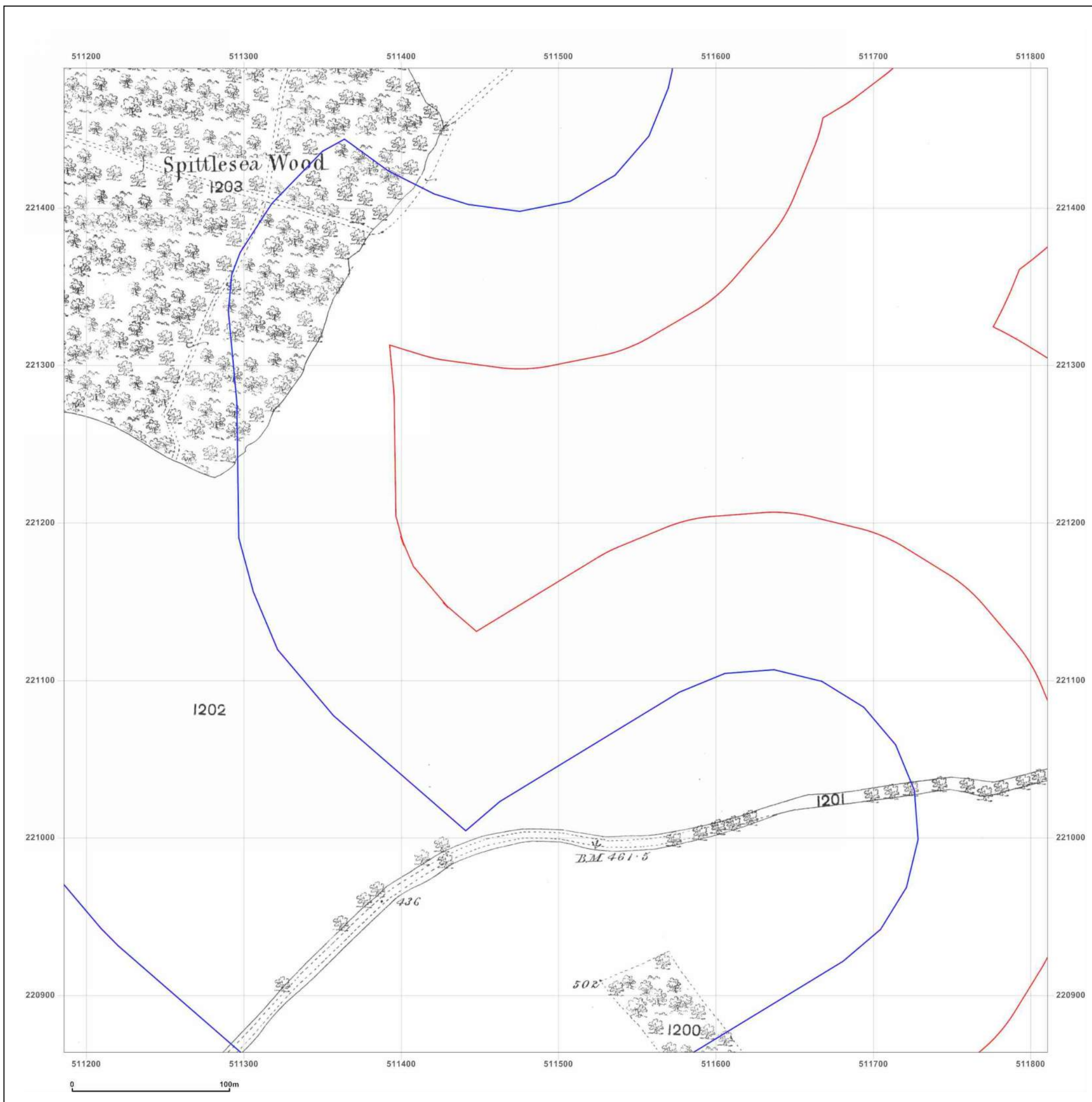


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_2
Grid Ref: 511498, 221176

Map Name: County Series

Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

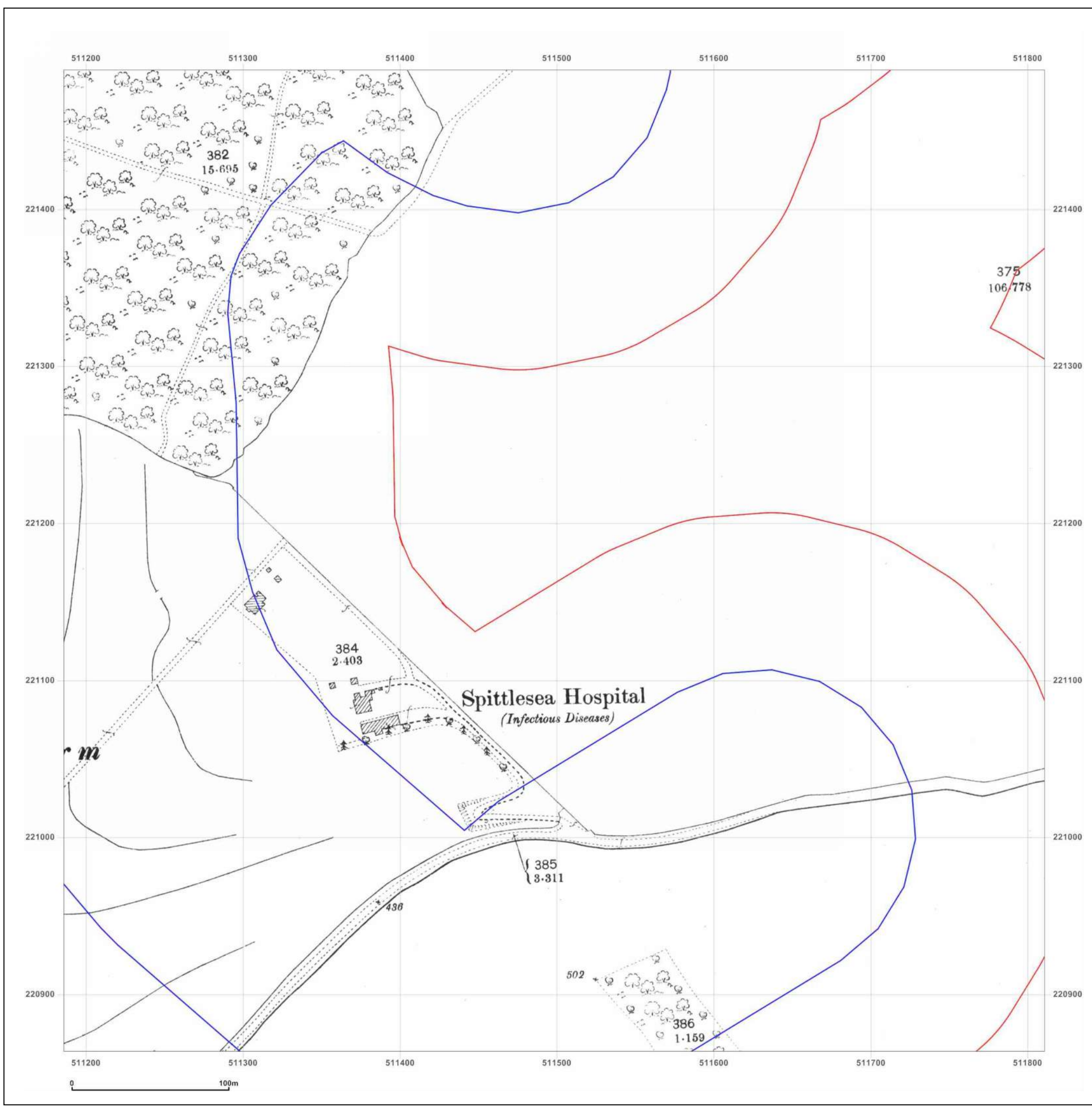


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_2
Grid Ref: 511498, 221176

Map Name: County Series

Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

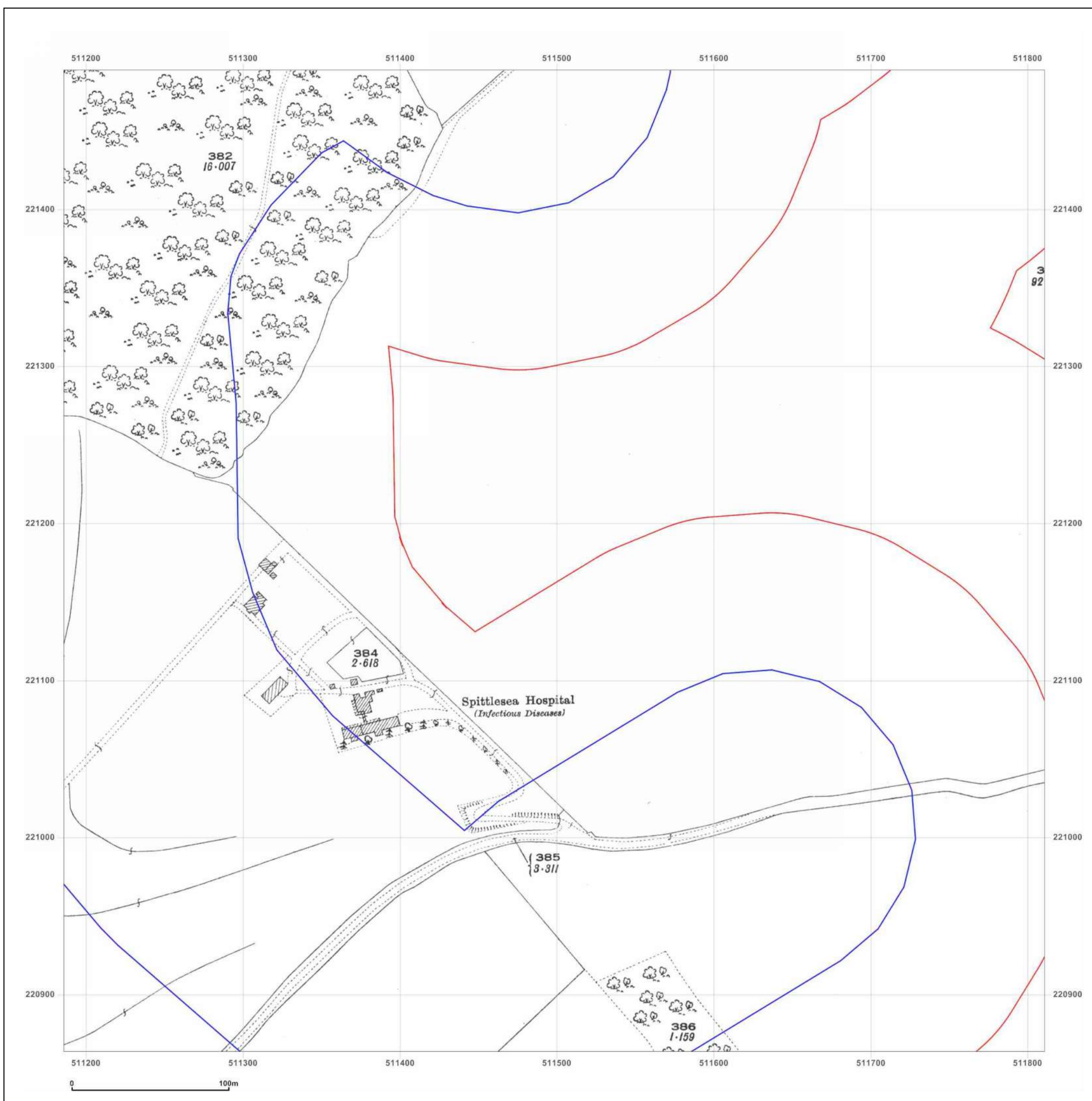


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Site Details:

Proposed Link Road - CPAR

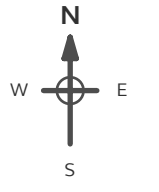
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_2
Grid Ref: 511498, 221176

Map Name: National Grid

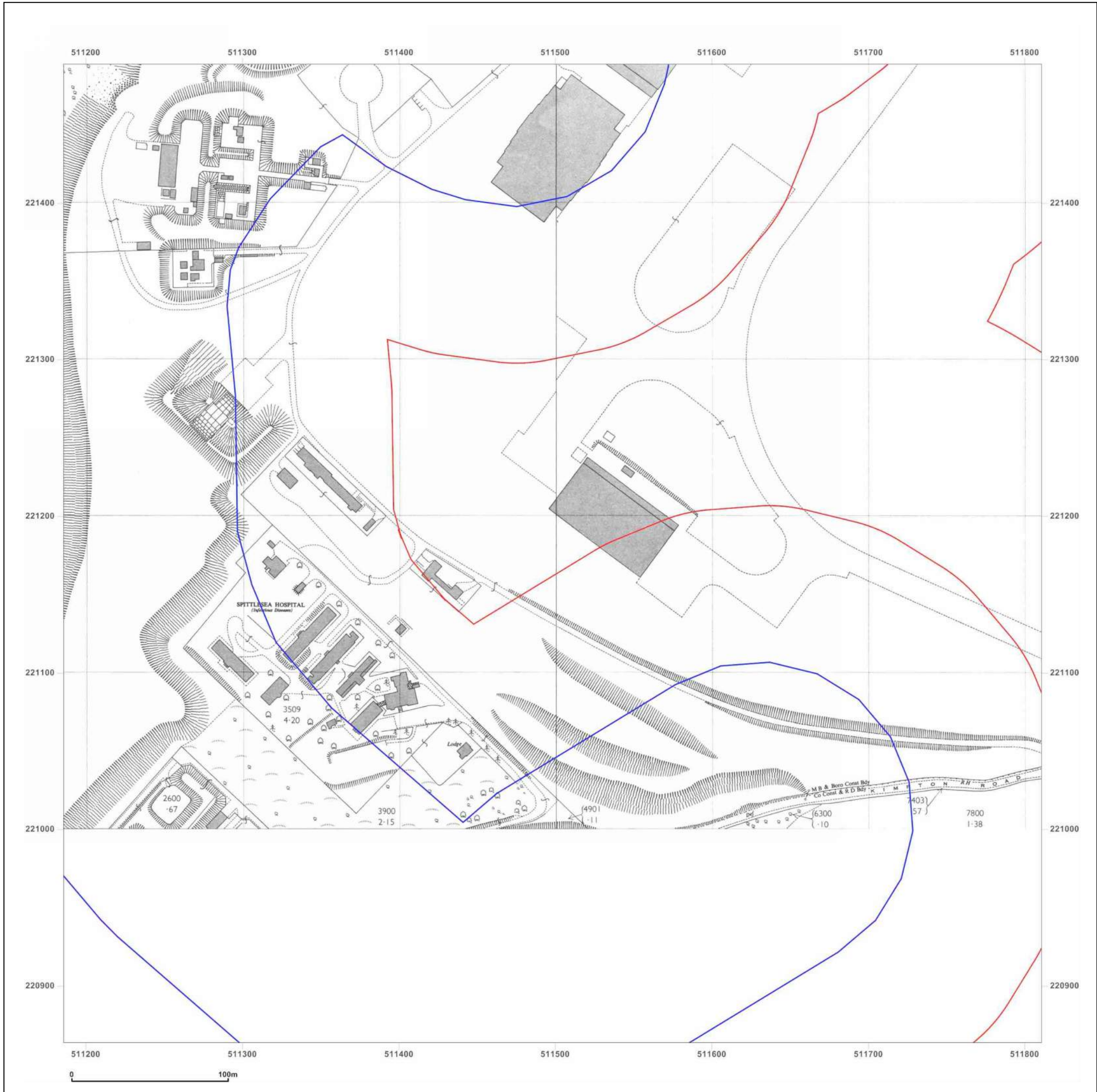
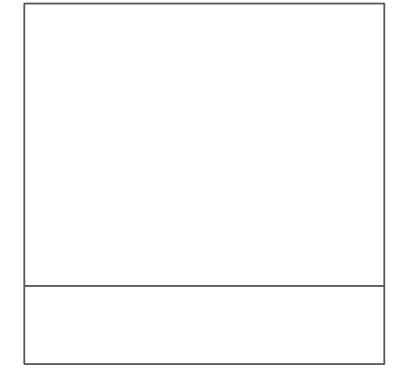
Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
 Revised 1962
 Edition 1964
 Copyright 1964
 Levelled 1958



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Production date: 23 November 2020

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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_3
Grid Ref: 511498, 221801

Map Name: County Series

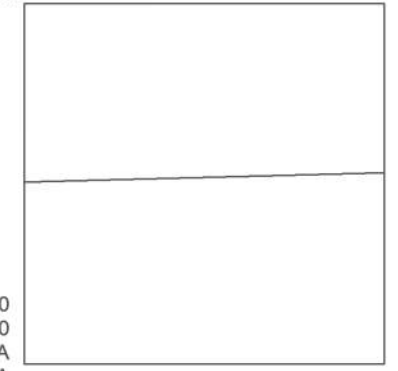
Map date: 1880

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A

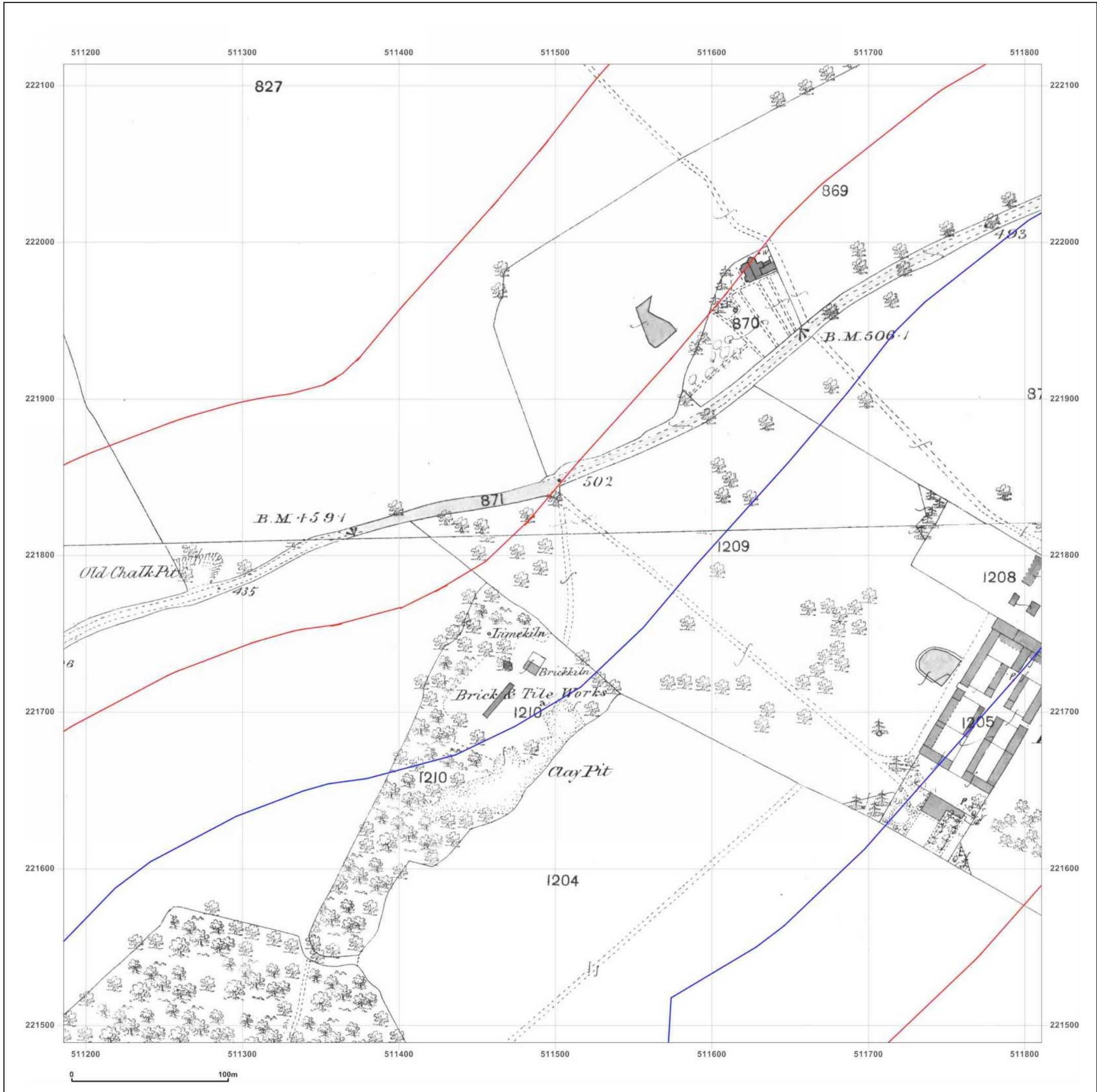


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_3
Grid Ref: 511498, 221801

Map Name: County Series

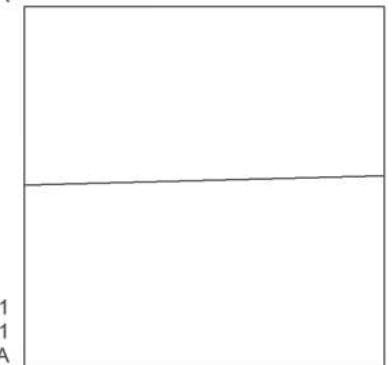
Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

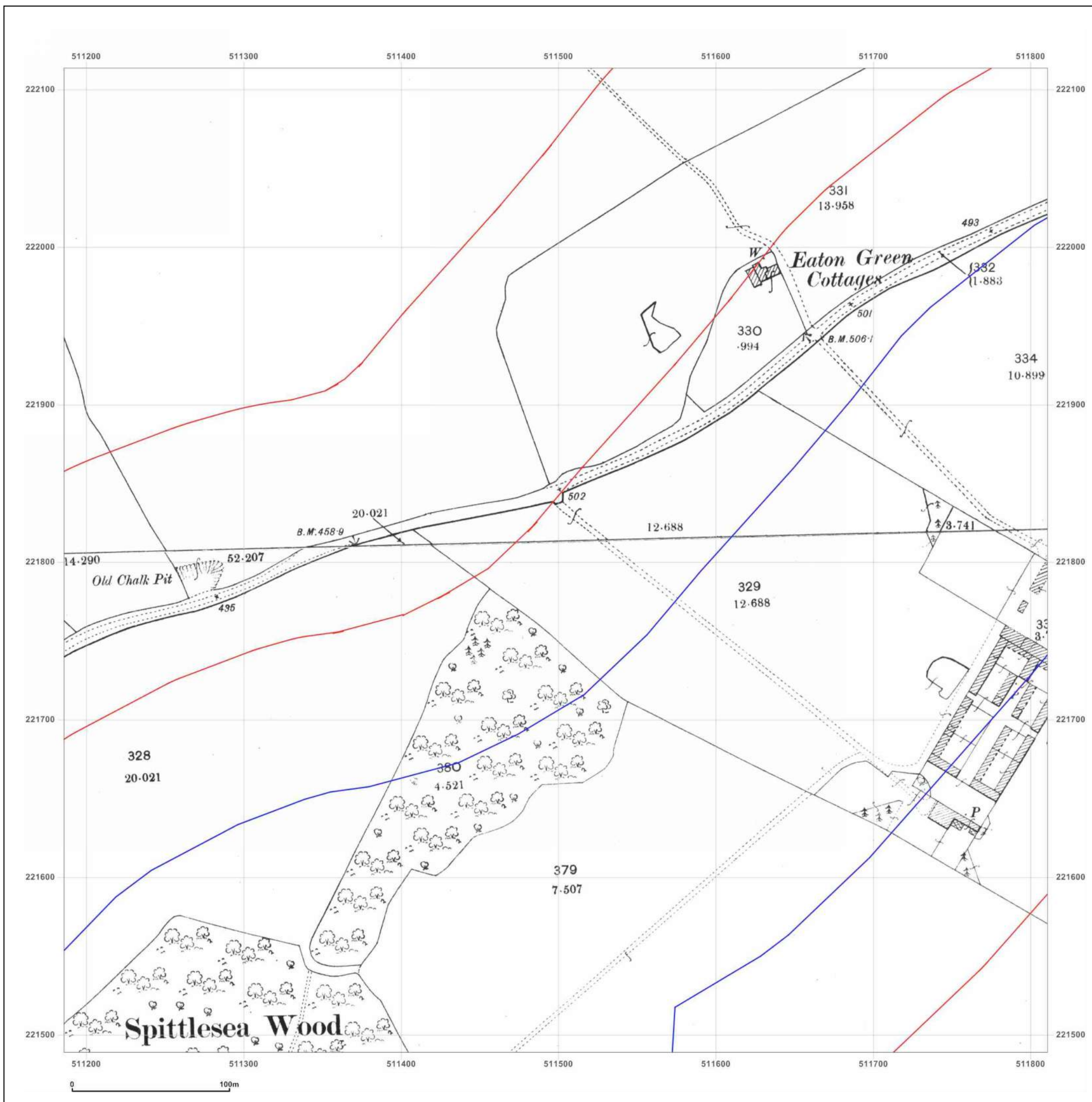


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_3
Grid Ref: 511498, 221801

Map Name: County Series

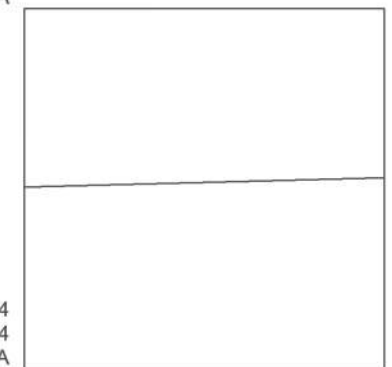
Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

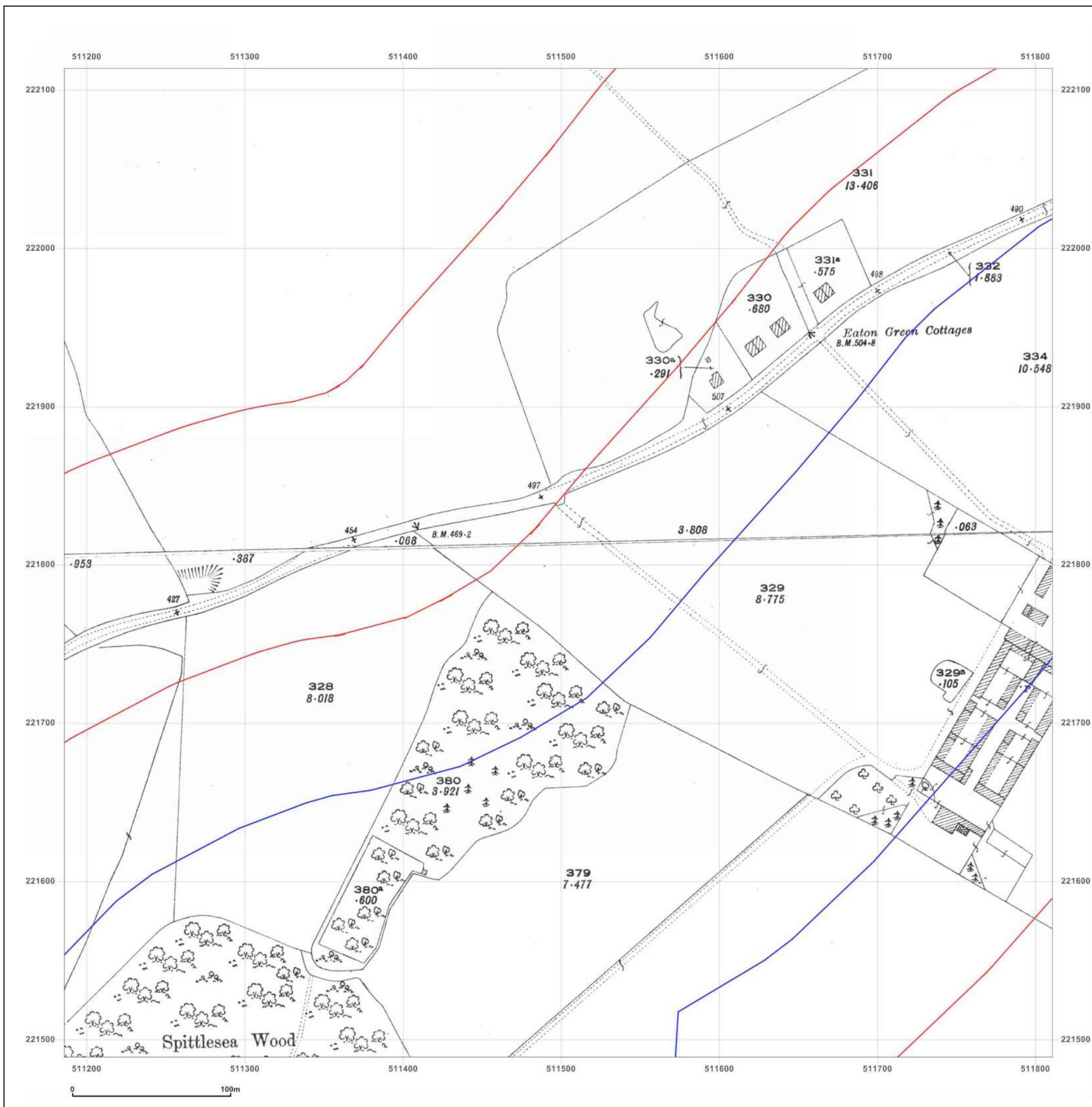


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_3
Grid Ref: 511498, 221801

Map Name: National Grid

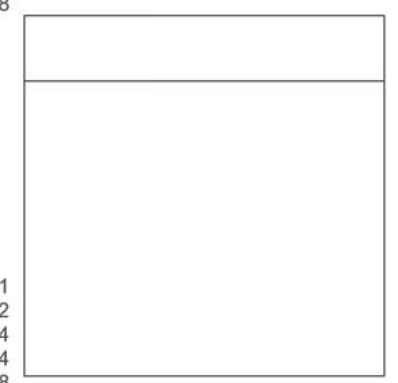
Map date: 1961-1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
 Revised 1961
 Edition 1963
 Copyright 1963
 Levelled 1958



Surveyed 1961
 Revised 1962
 Edition 1964
 Copyright 1964
 Levelled 1958



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Production date: 23 November 2020

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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_4
Grid Ref: 511498, 222427

Map Name: County Series

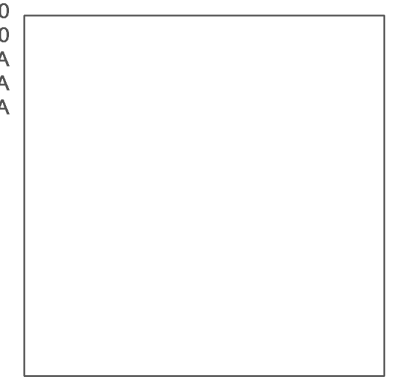
Map date: 1880

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A

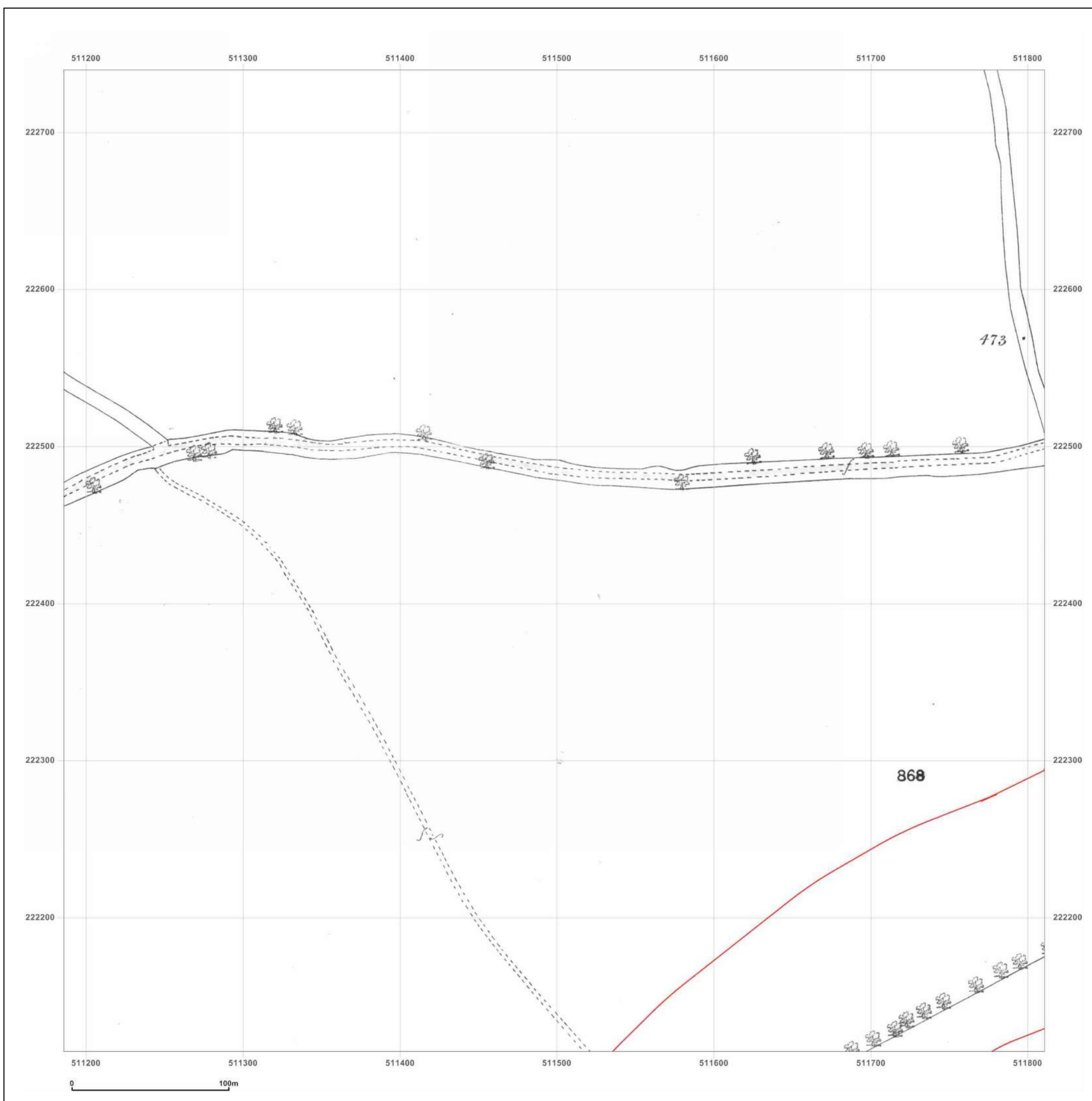


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_4
Grid Ref: 511498, 222427

Map Name: County Series

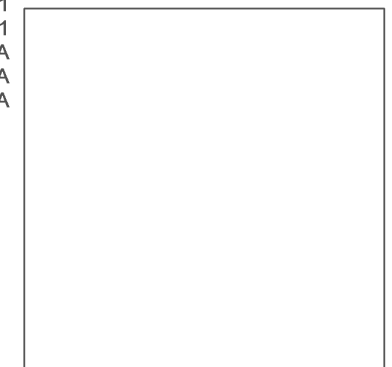
Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

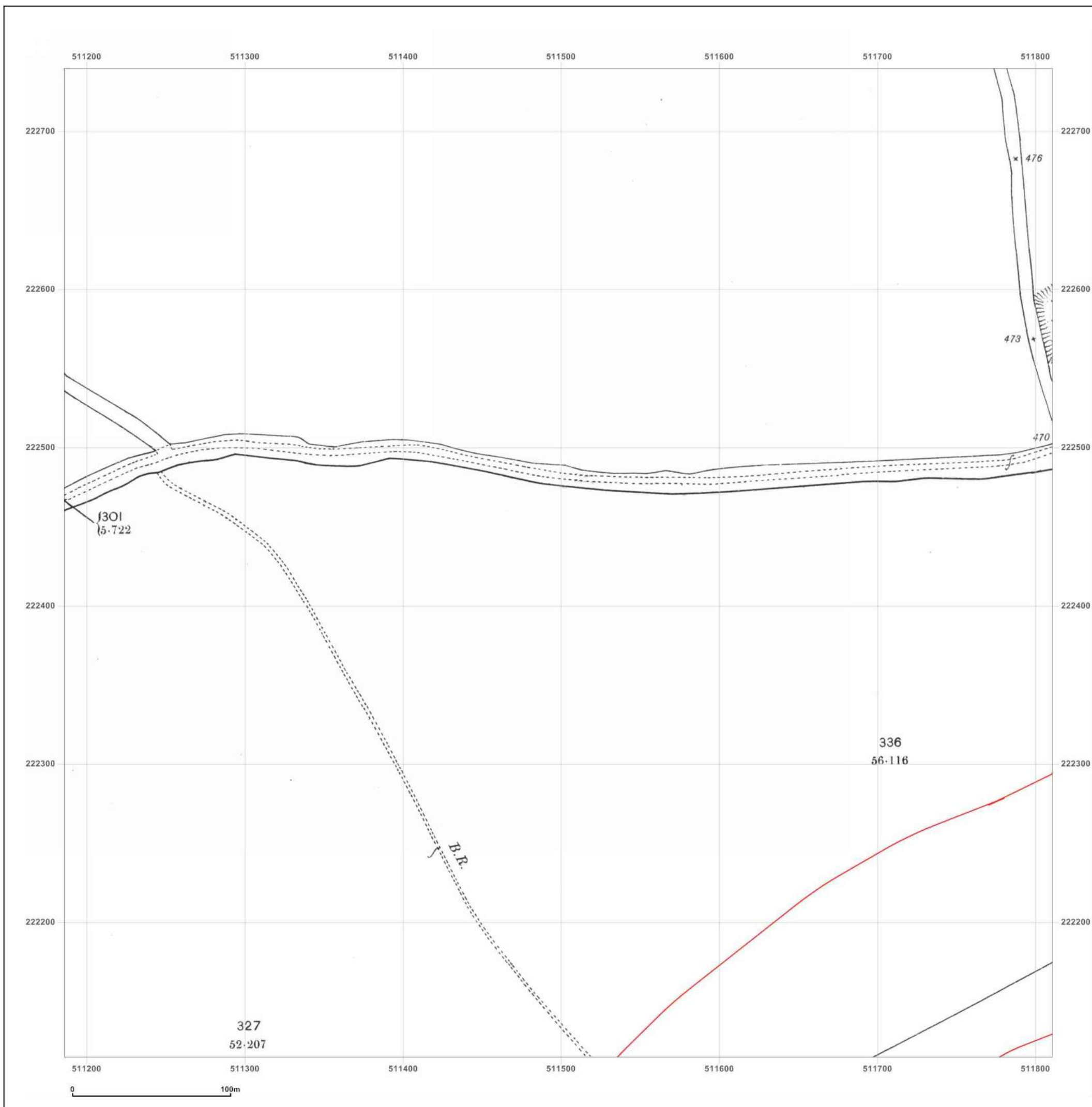


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_4
Grid Ref: 511498, 222427

Map Name: County Series

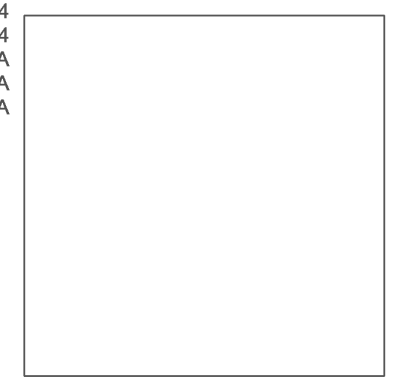
Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

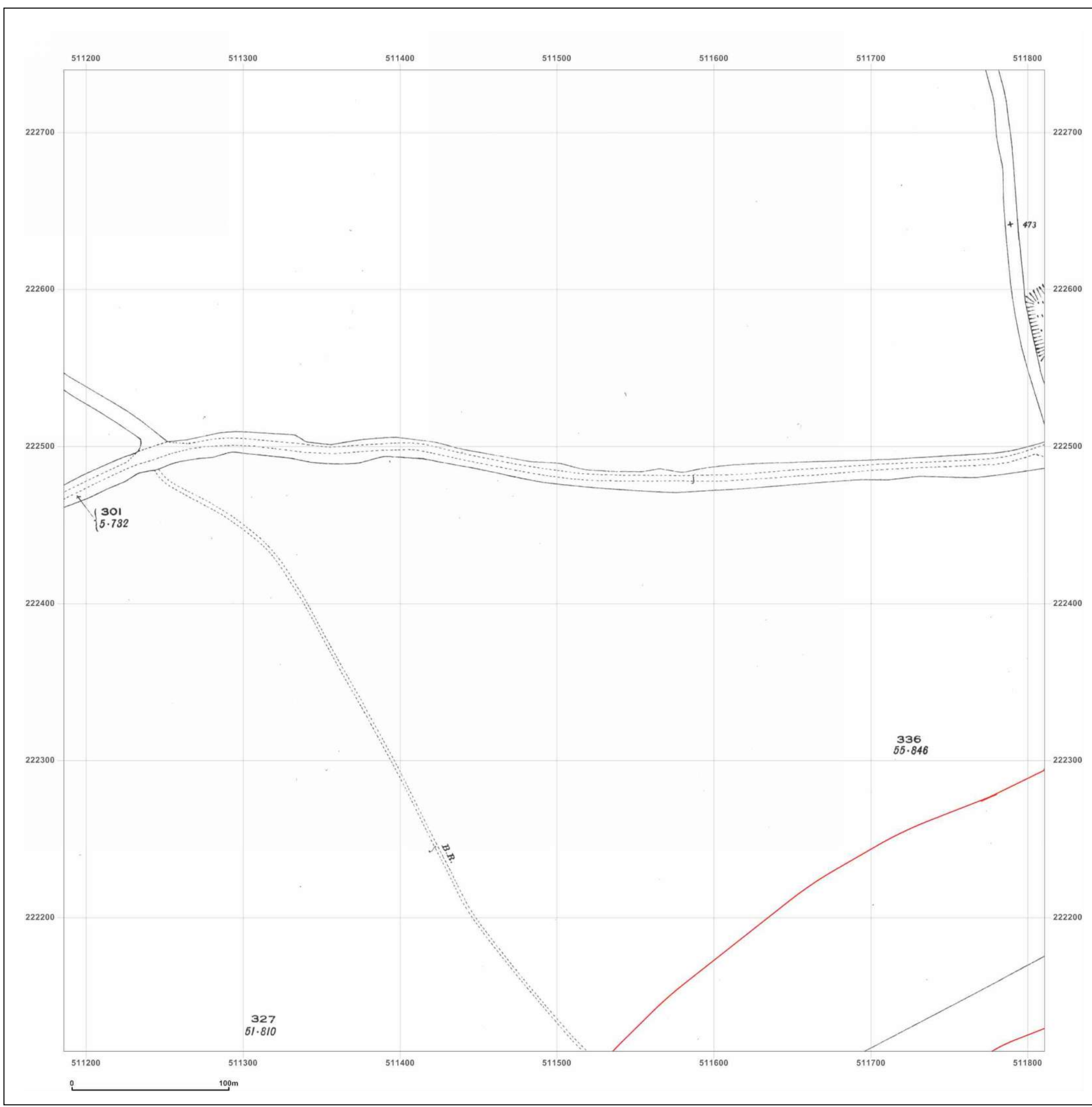


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

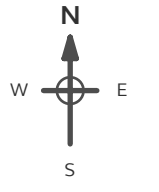
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_2_4
Grid Ref: 511498, 222427

Map Name: National Grid

Map date: 1961

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
 Revised 1961
 Edition 1963
 Copyright 1963
 Levelled 1958



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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_1
Grid Ref: 512124, 220550

Map Name: County Series

Map date: 1880-1881

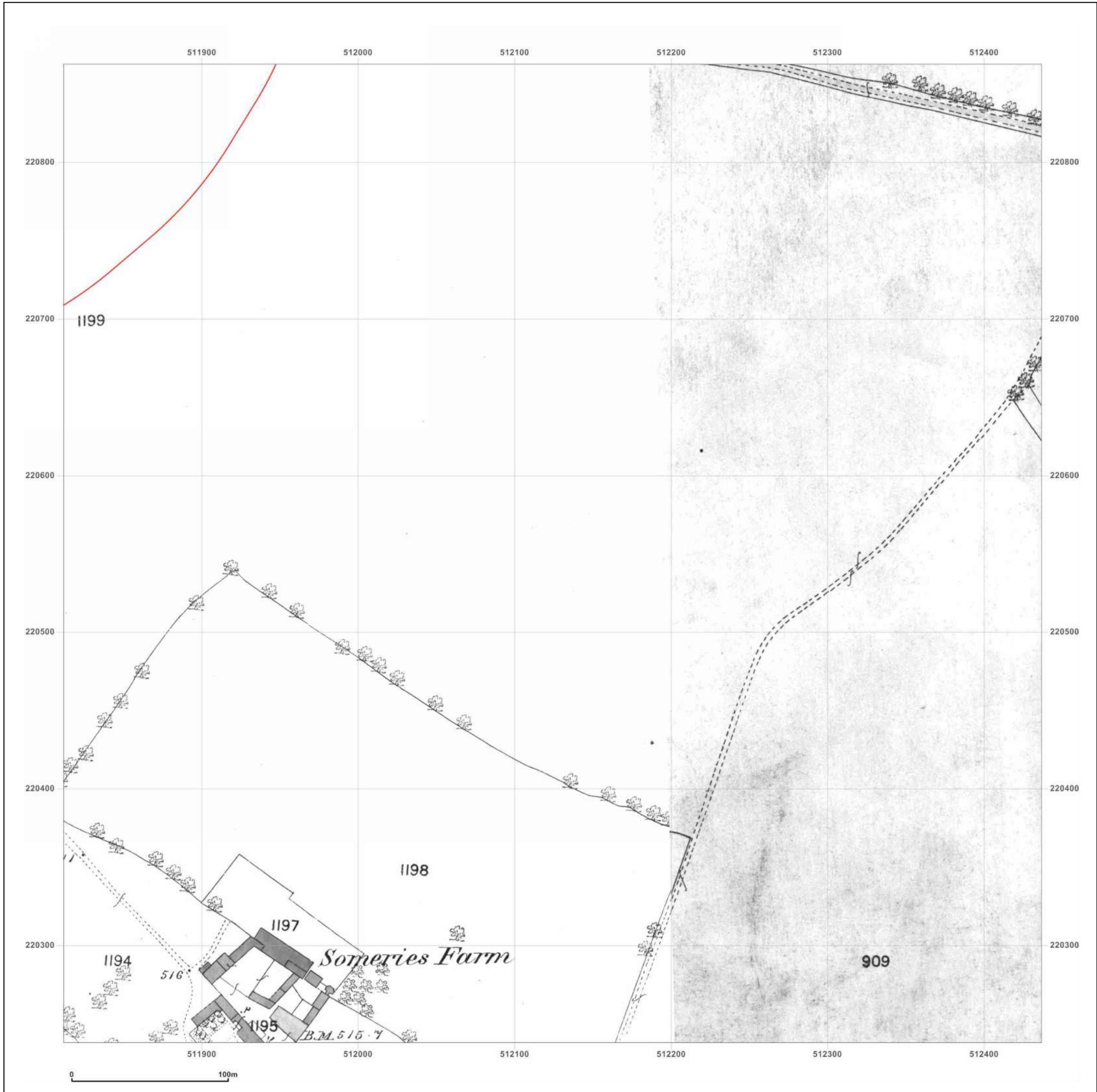
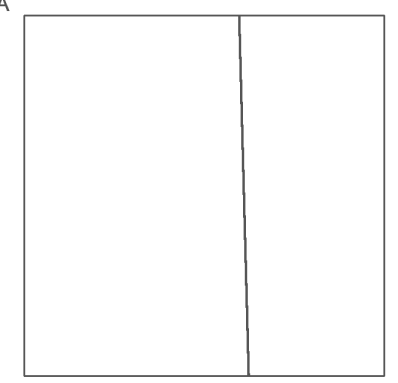
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1881
 Revised 1881
 Edition N/A
 Copyright N/A
 Levelled N/A



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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_1
Grid Ref: 512124, 220550

Map Name: County Series

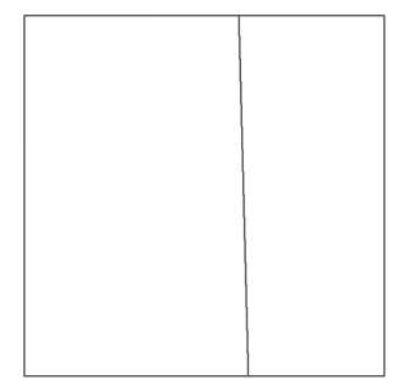
Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

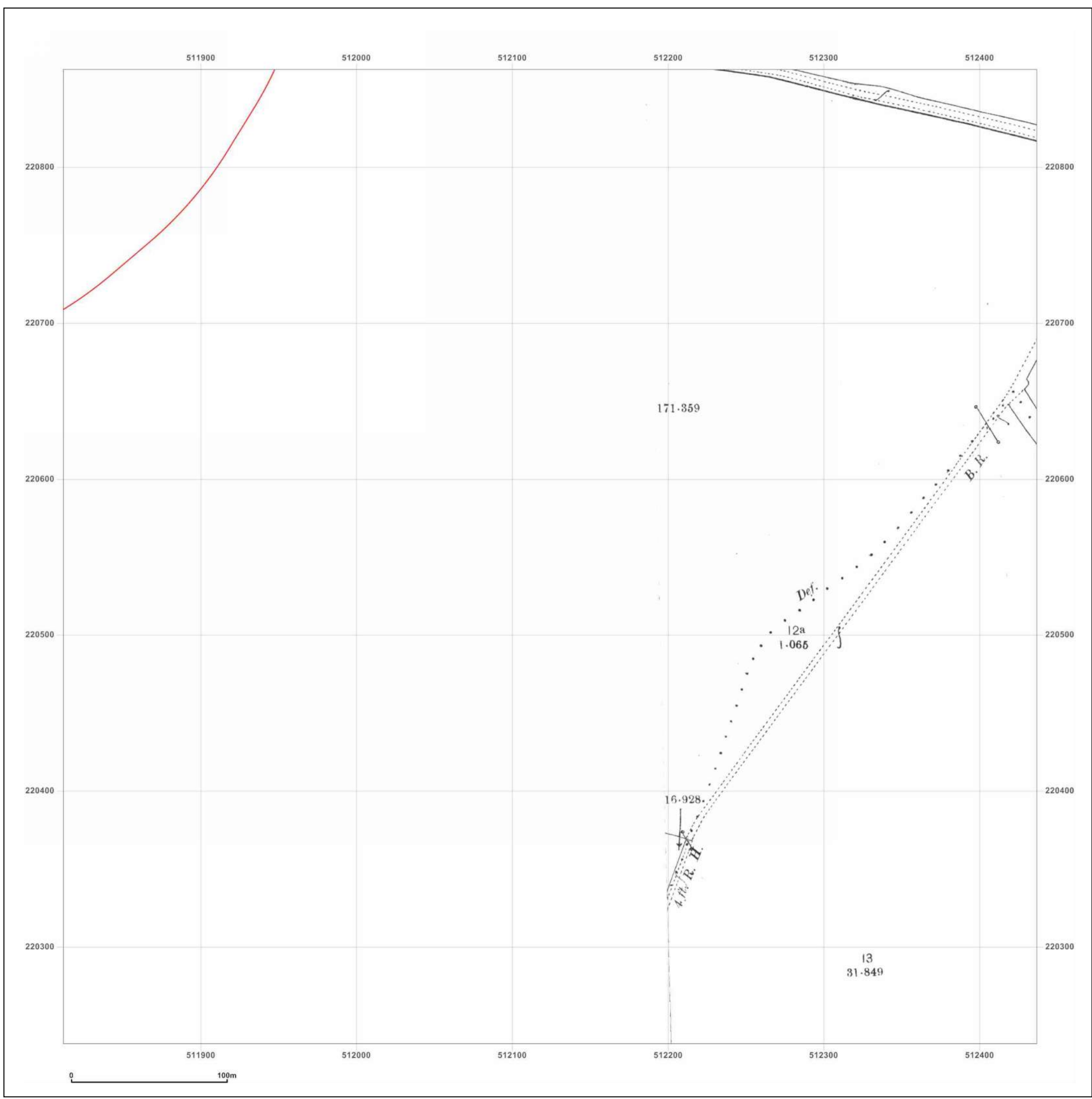


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Production date: 23 November 2020

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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_1
Grid Ref: 512124, 220550

Map Name: County Series

Map date: 1898-1901

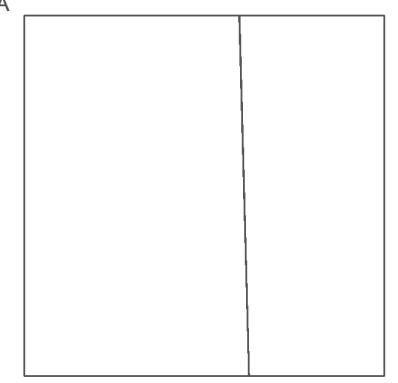
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1898
 Revised 1898
 Edition N/A
 Copyright N/A
 Levelled N/A

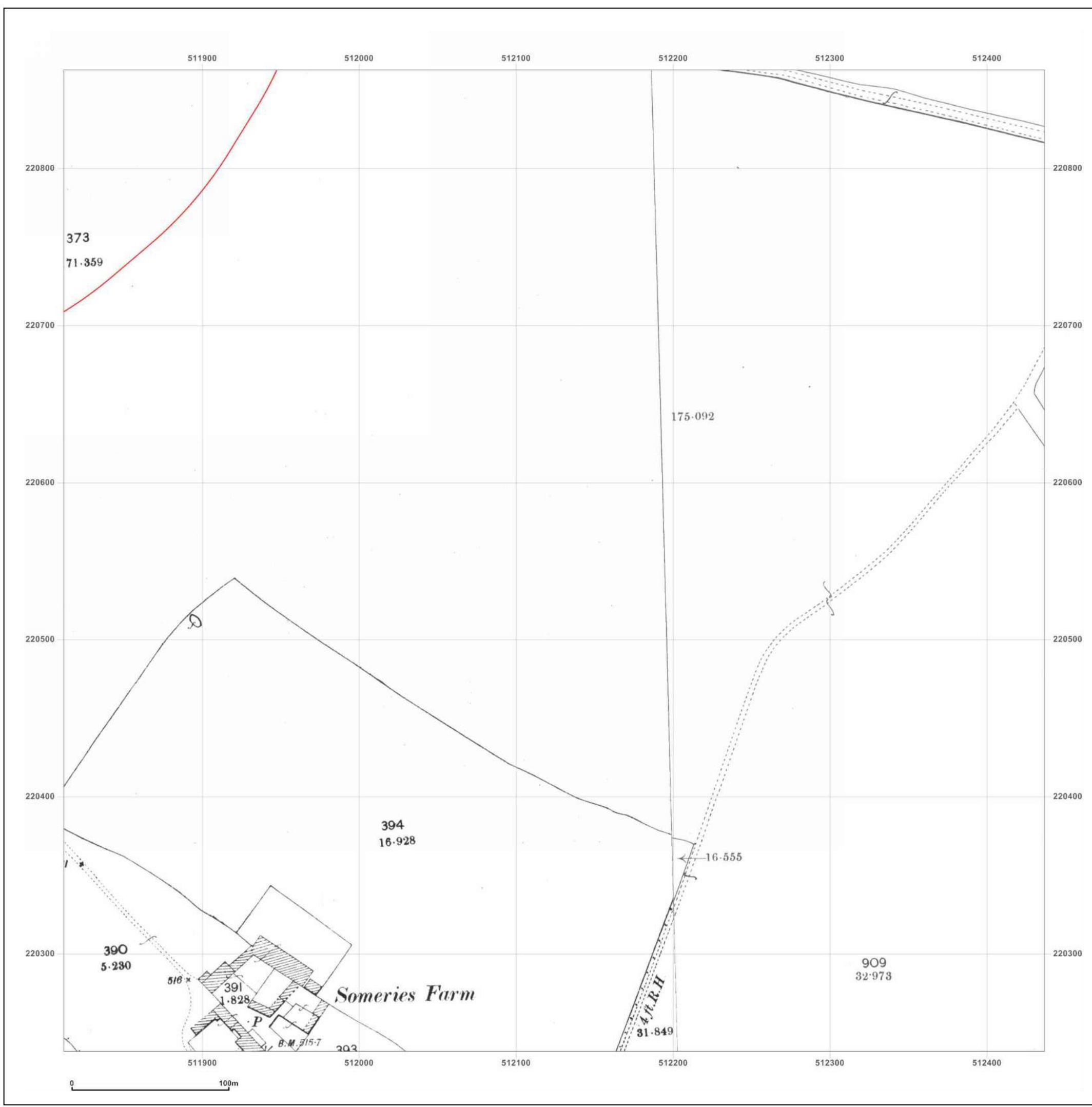


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_1
Grid Ref: 512124, 220550

Map Name: National Grid

Map date: 1971

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
 Revised 1971
 Edition N/A
 Copyright 1973
 Levelled 1958

Surveyed 1971
 Revised 1971
 Edition N/A
 Copyright 1972
 Levelled 1958

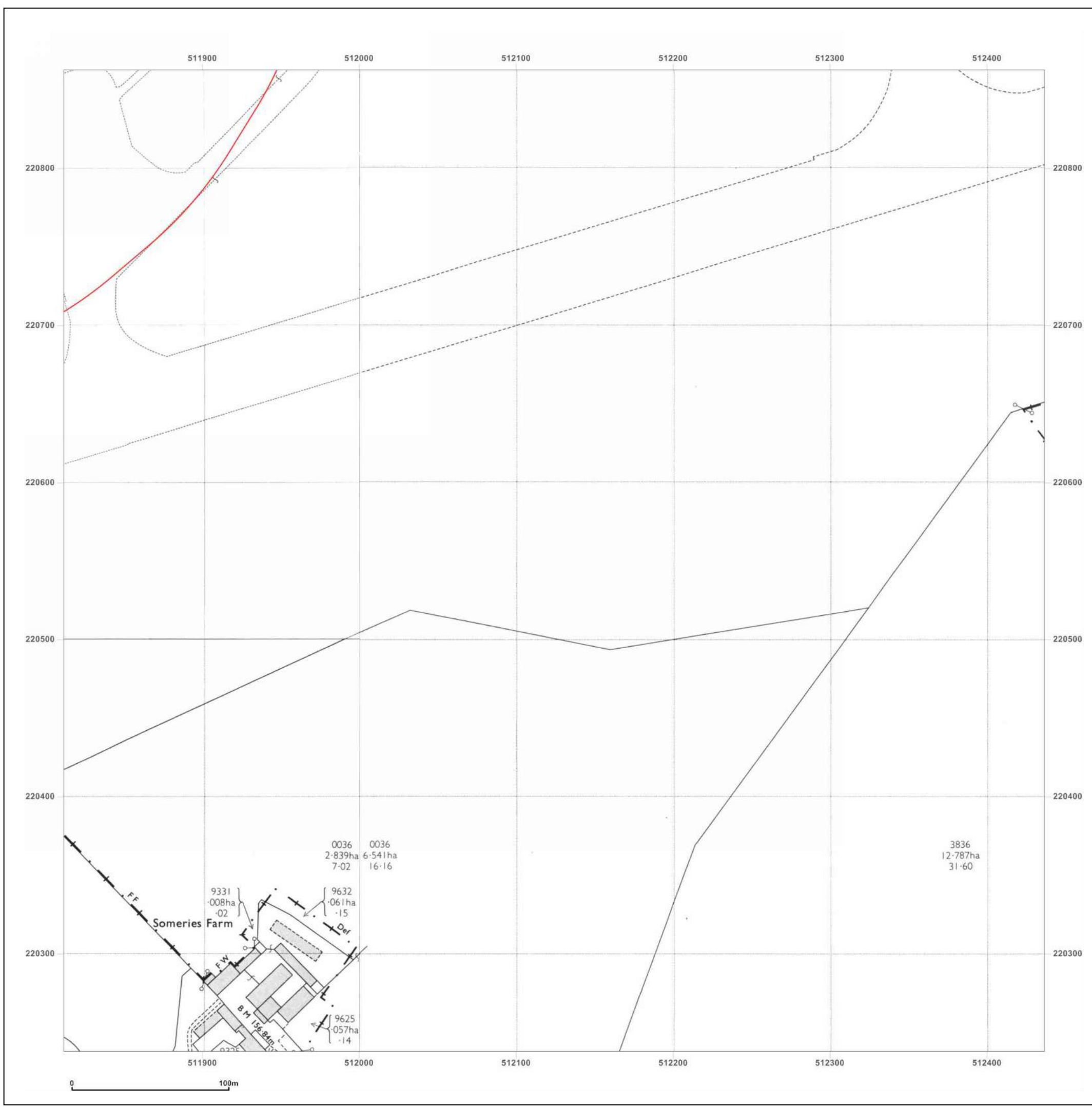


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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

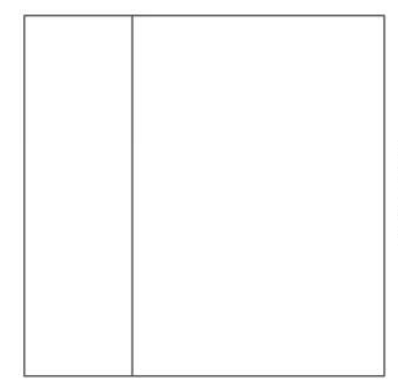
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_1
Grid Ref: 512124, 220550

Map Name: National Grid

Map date: 1973

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

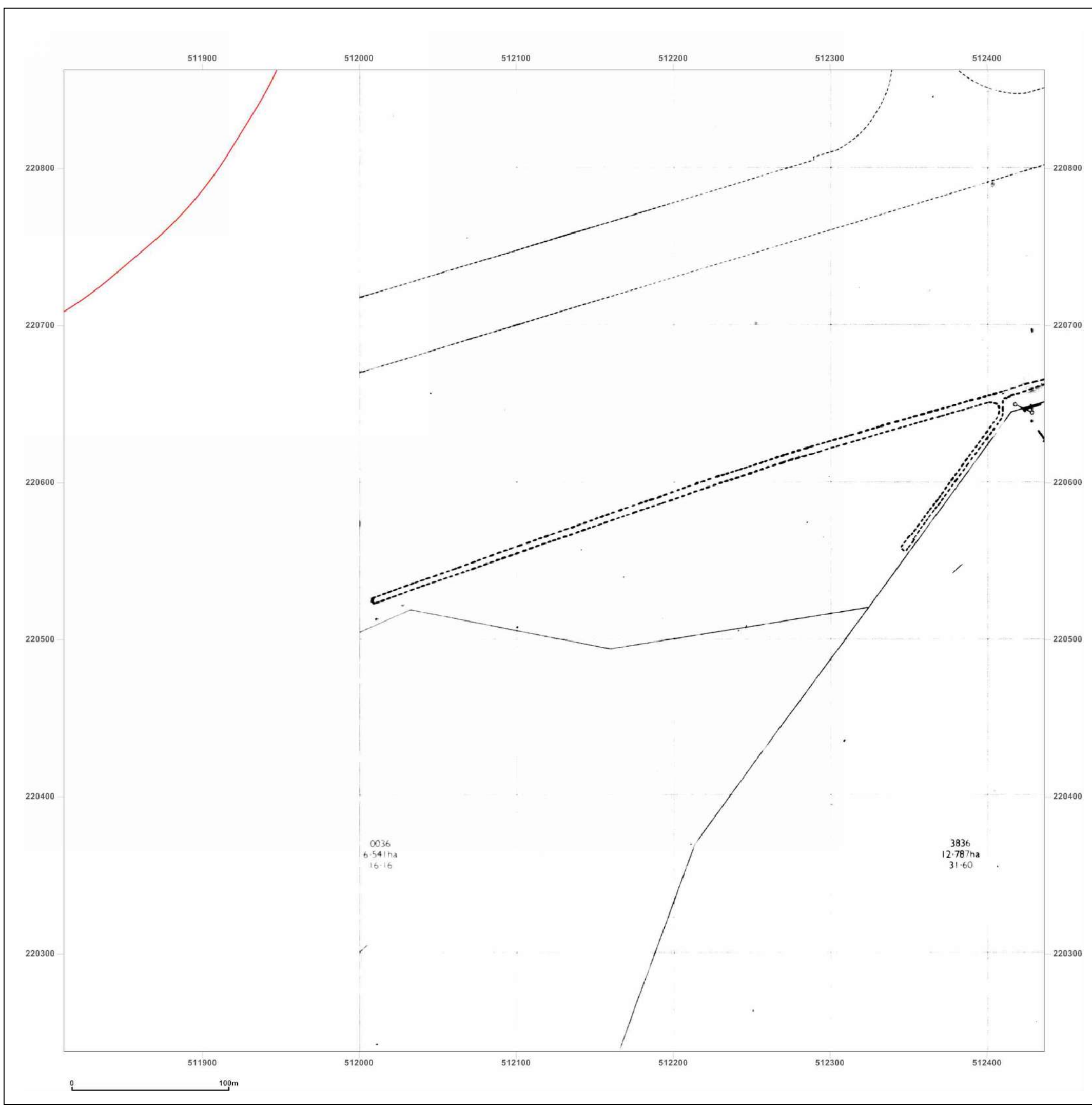


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

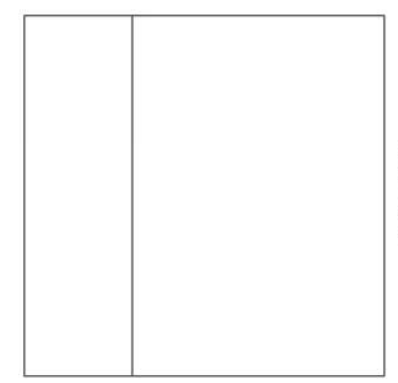
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_1
Grid Ref: 512124, 220550

Map Name: National Grid

Map date: 1990

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
 Revised 1990
 Edition N/A
 Copyright 1990
 Levelled 1958

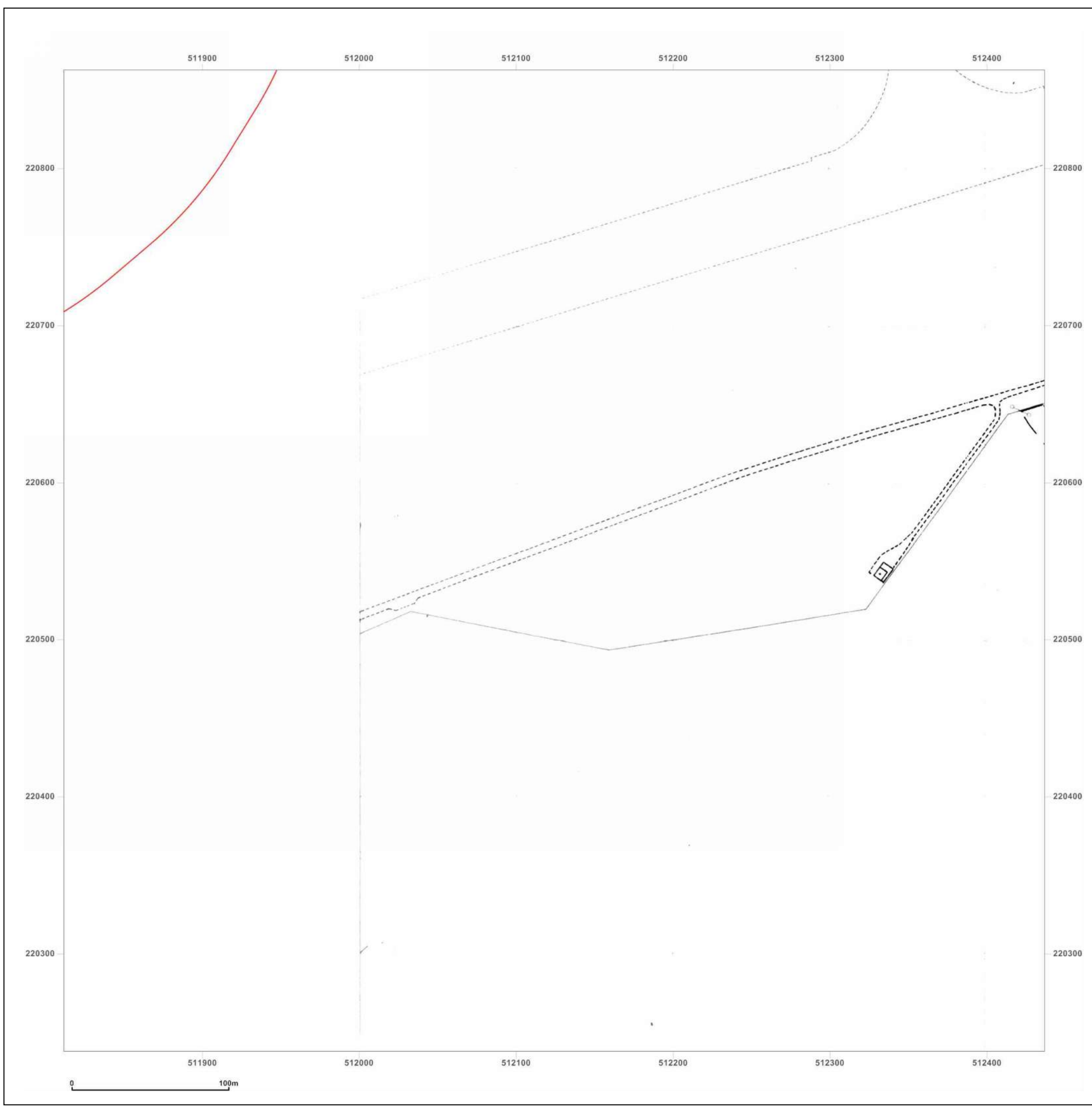


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

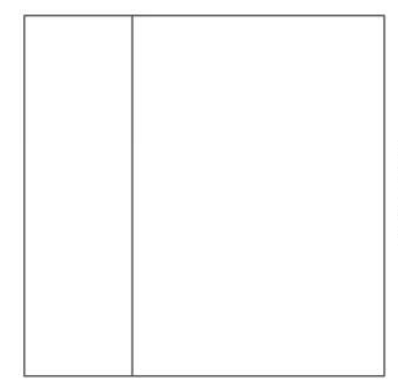
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_1
Grid Ref: 512124, 220550

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

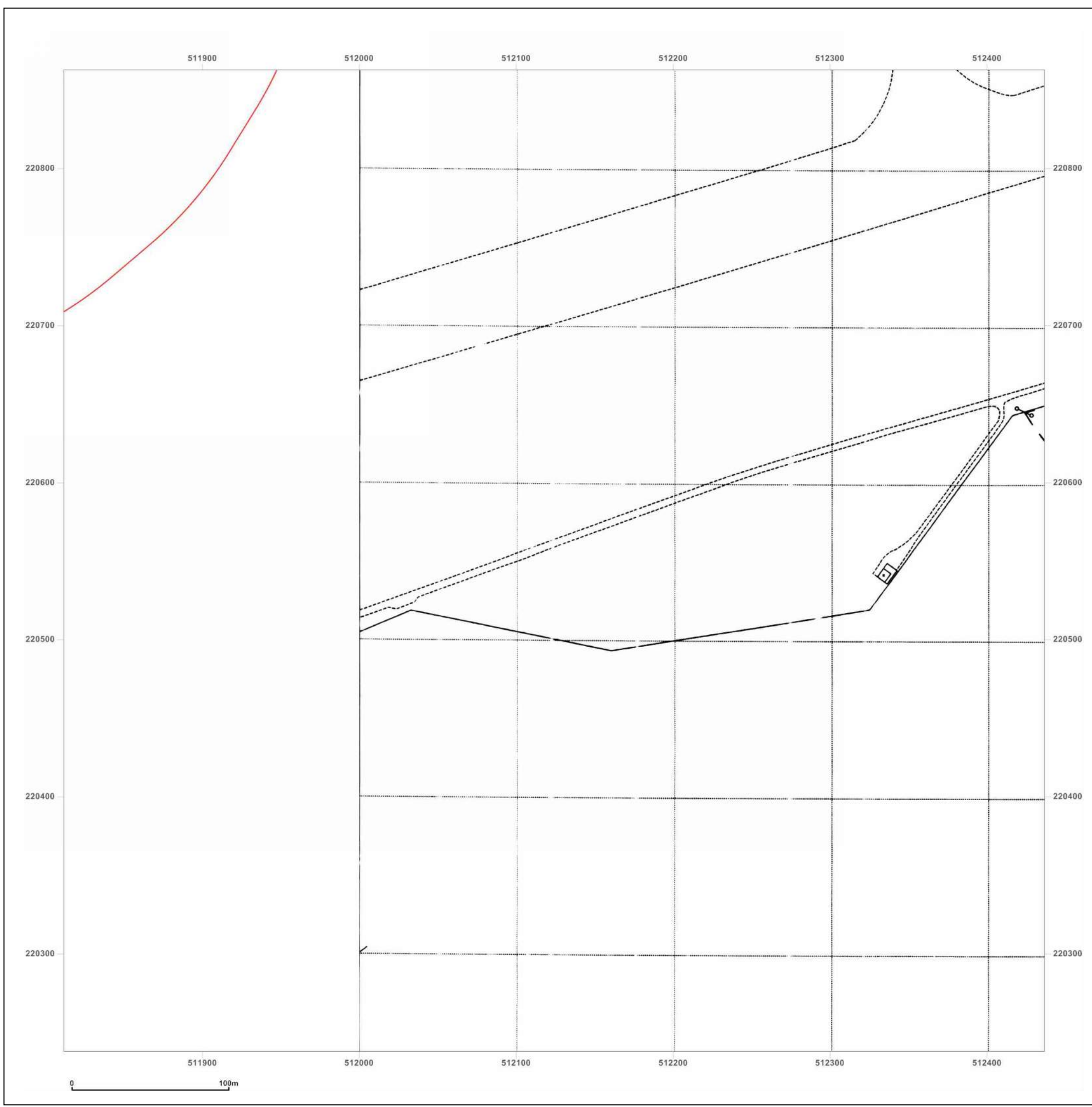


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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

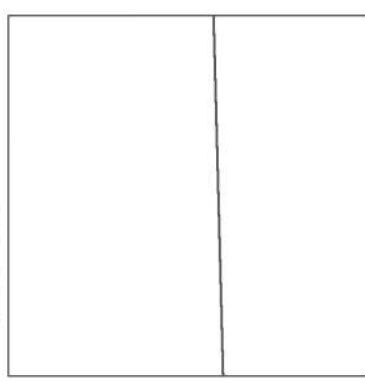
Map Name: County Series

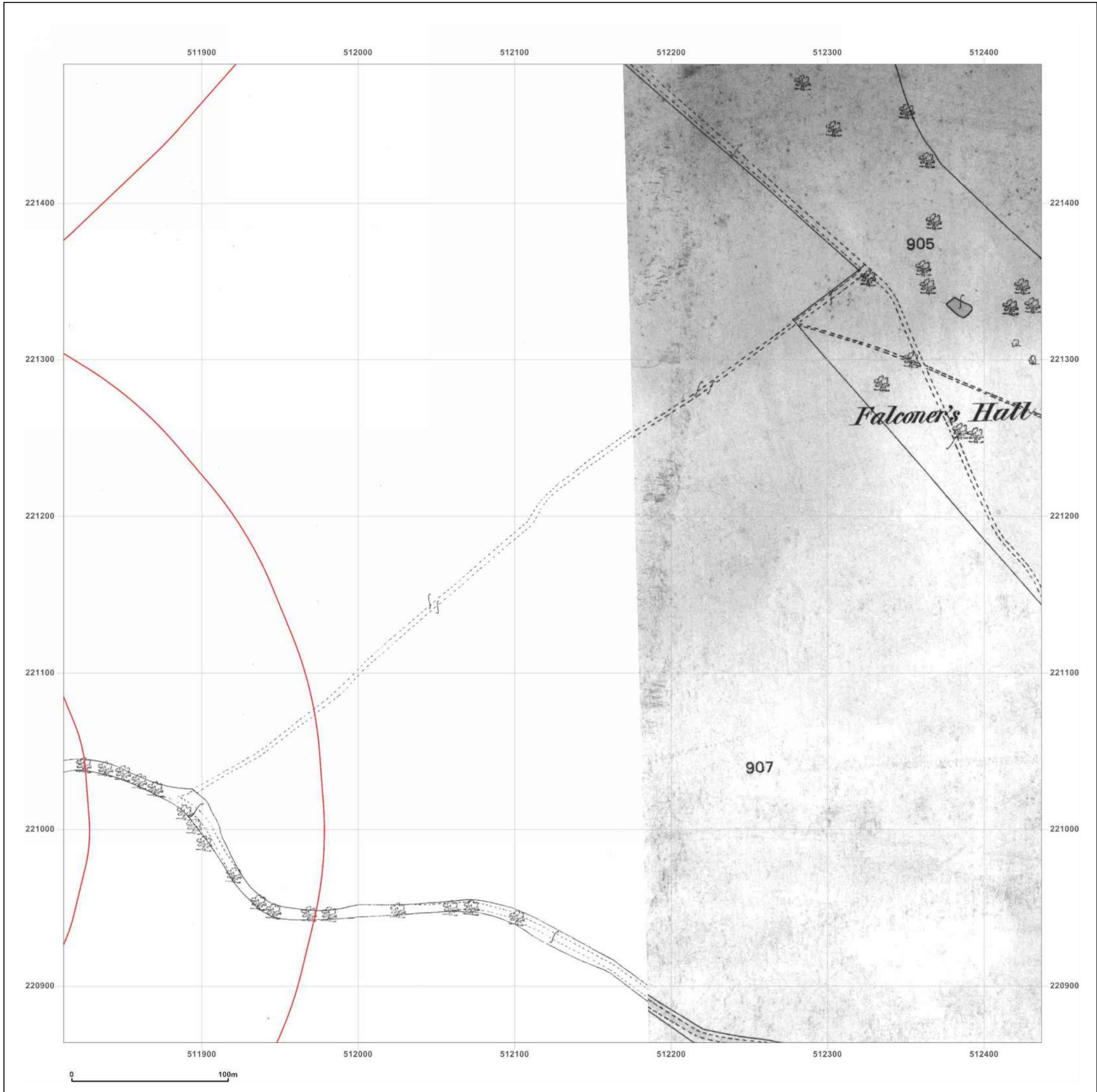
Map date: 1880-1881

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880 Revised 1880 Edition N/A Copyright N/A Levelled N/A		Surveyed 1881 Revised 1881 Edition N/A Copyright N/A Levelled N/A
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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

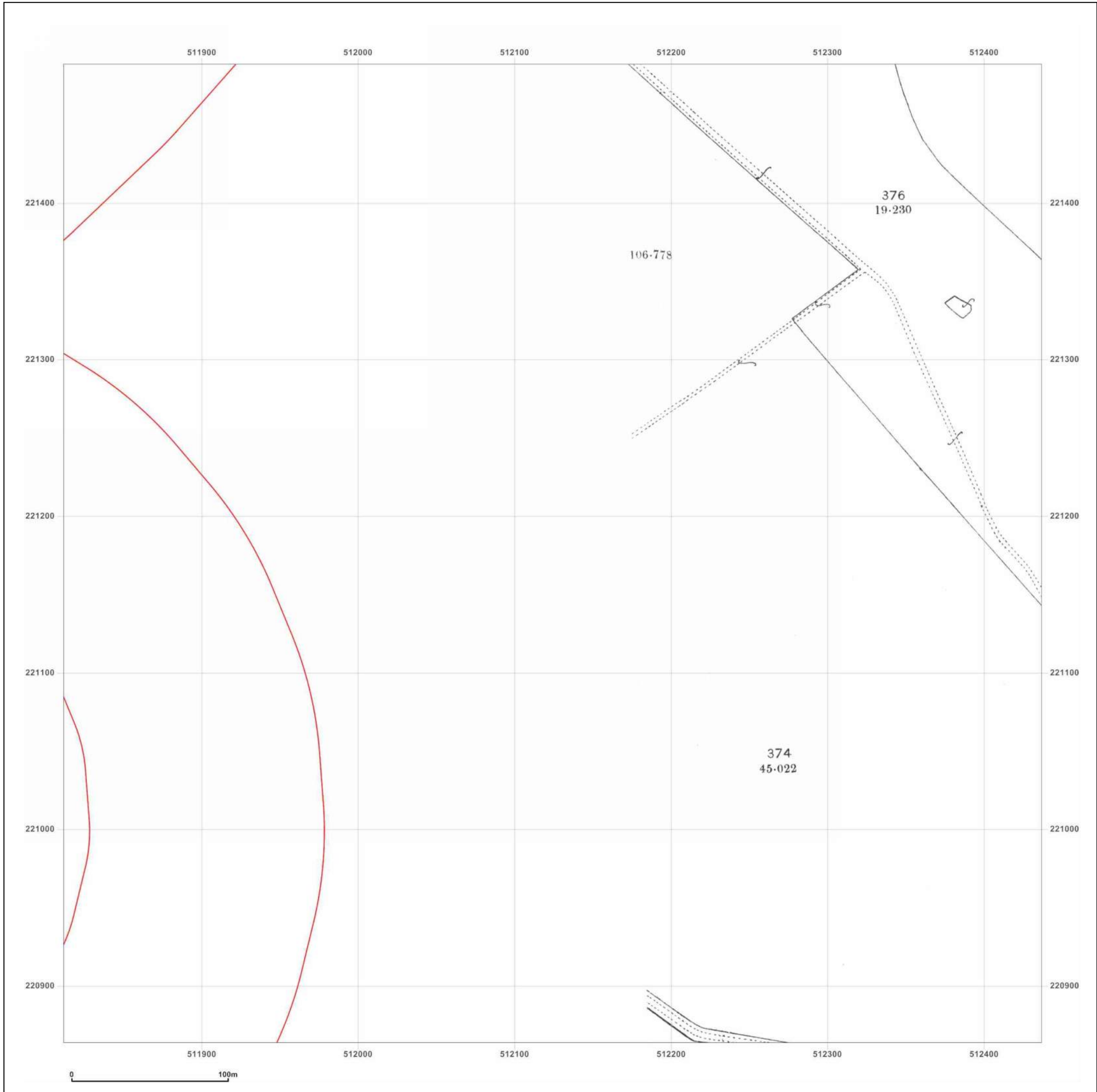
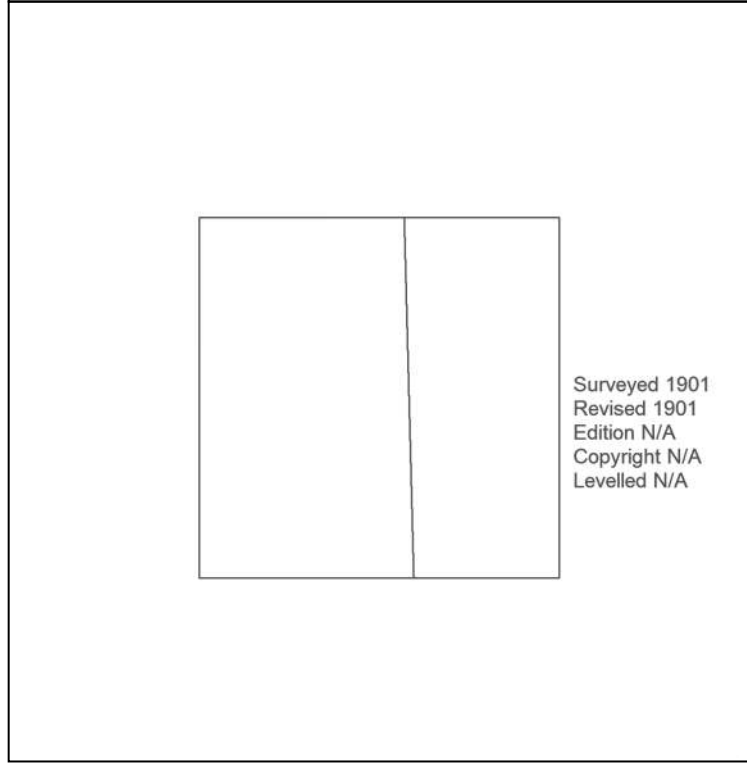
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: County Series

Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: County Series

Map date: 1898-1901

Scale: 1:2,500

Printed at: 1:2,500



<p>Surveyed 1901 Revised 1901 Edition N/A Copyright N/A Levelled N/A</p>	<p>Surveyed 1898 Revised 1898 Edition N/A Copyright N/A Levelled N/A</p>
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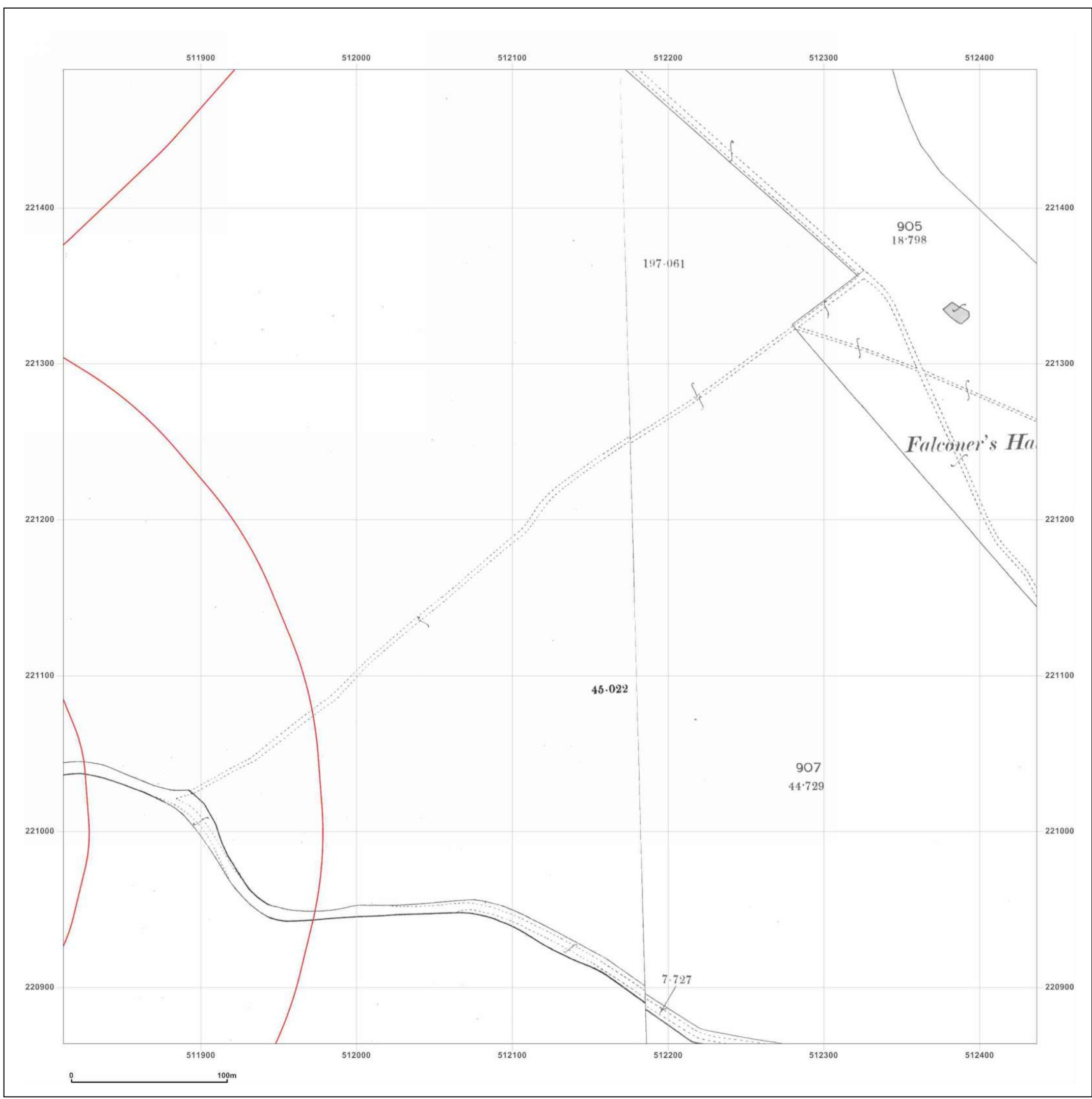


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

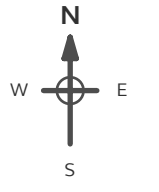
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: County Series

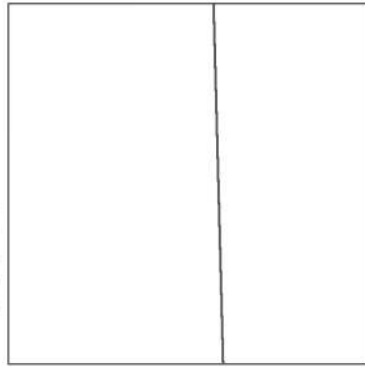
Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

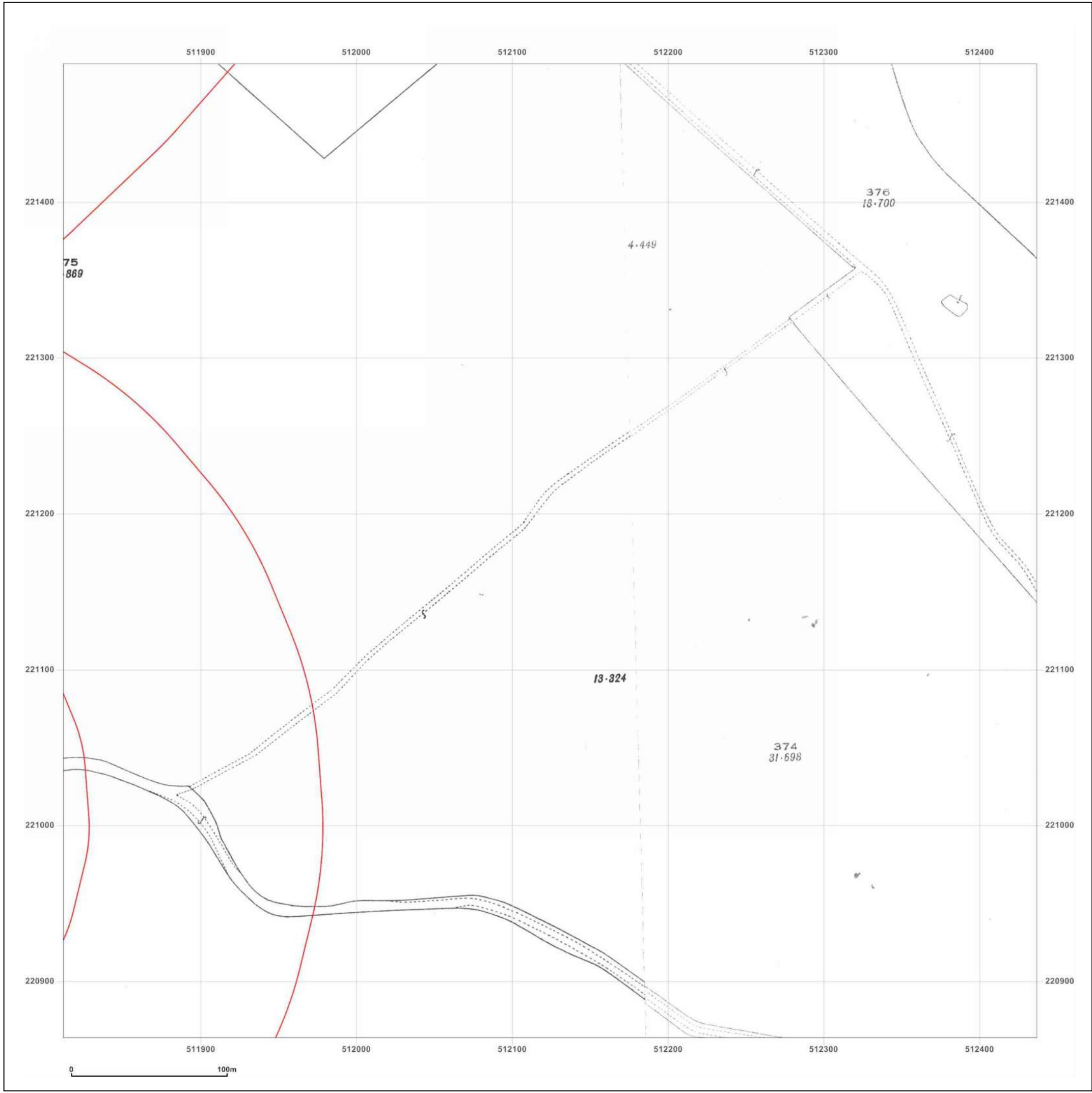


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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: National Grid

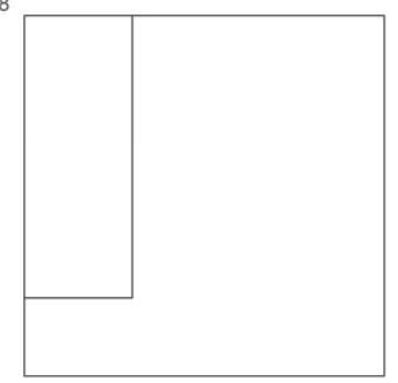
Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
 Revised 1962
 Edition 1964
 Copyright 1964
 Levelled 1958

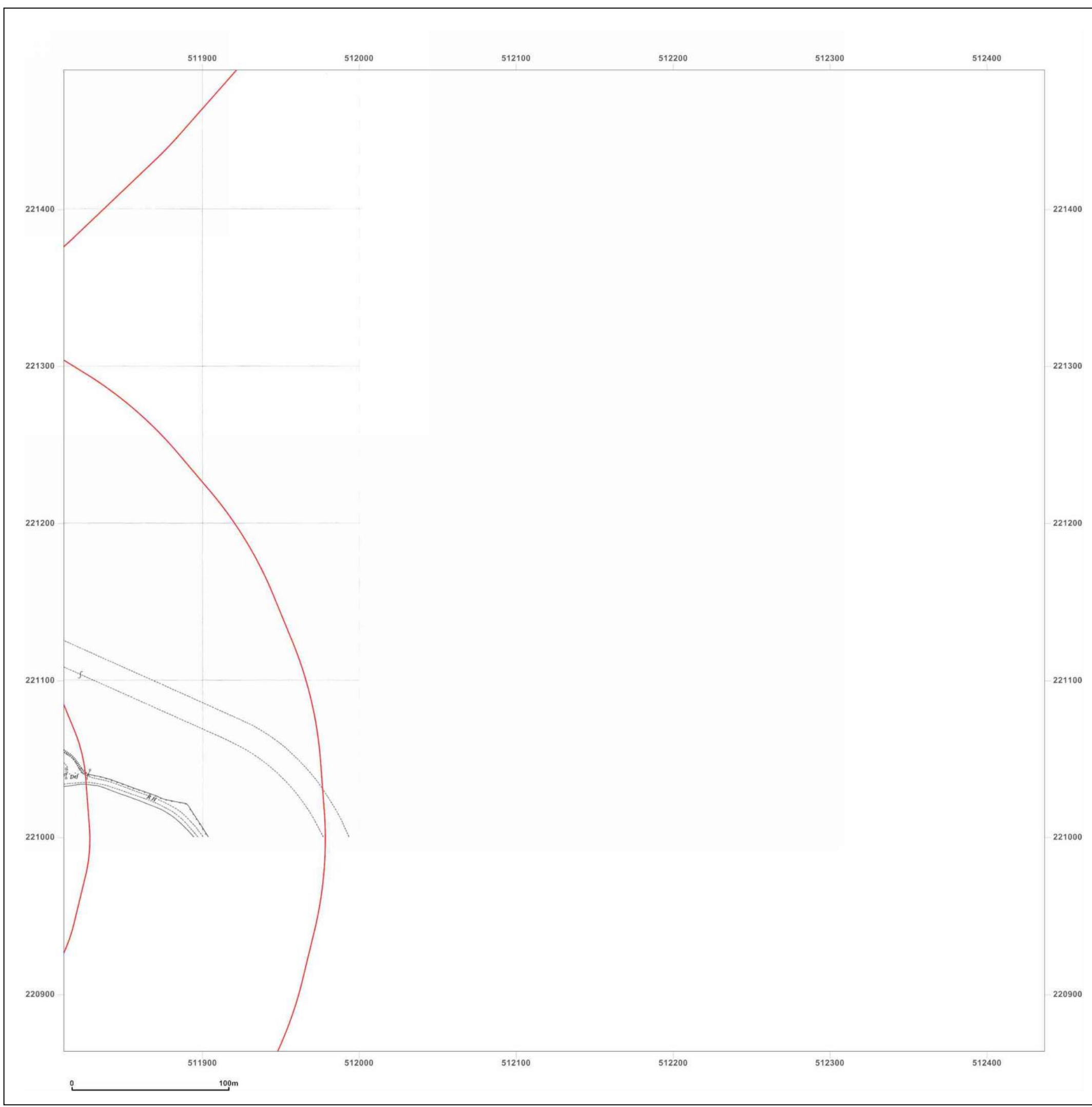


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Site Details:

Proposed Link Road - CPAR

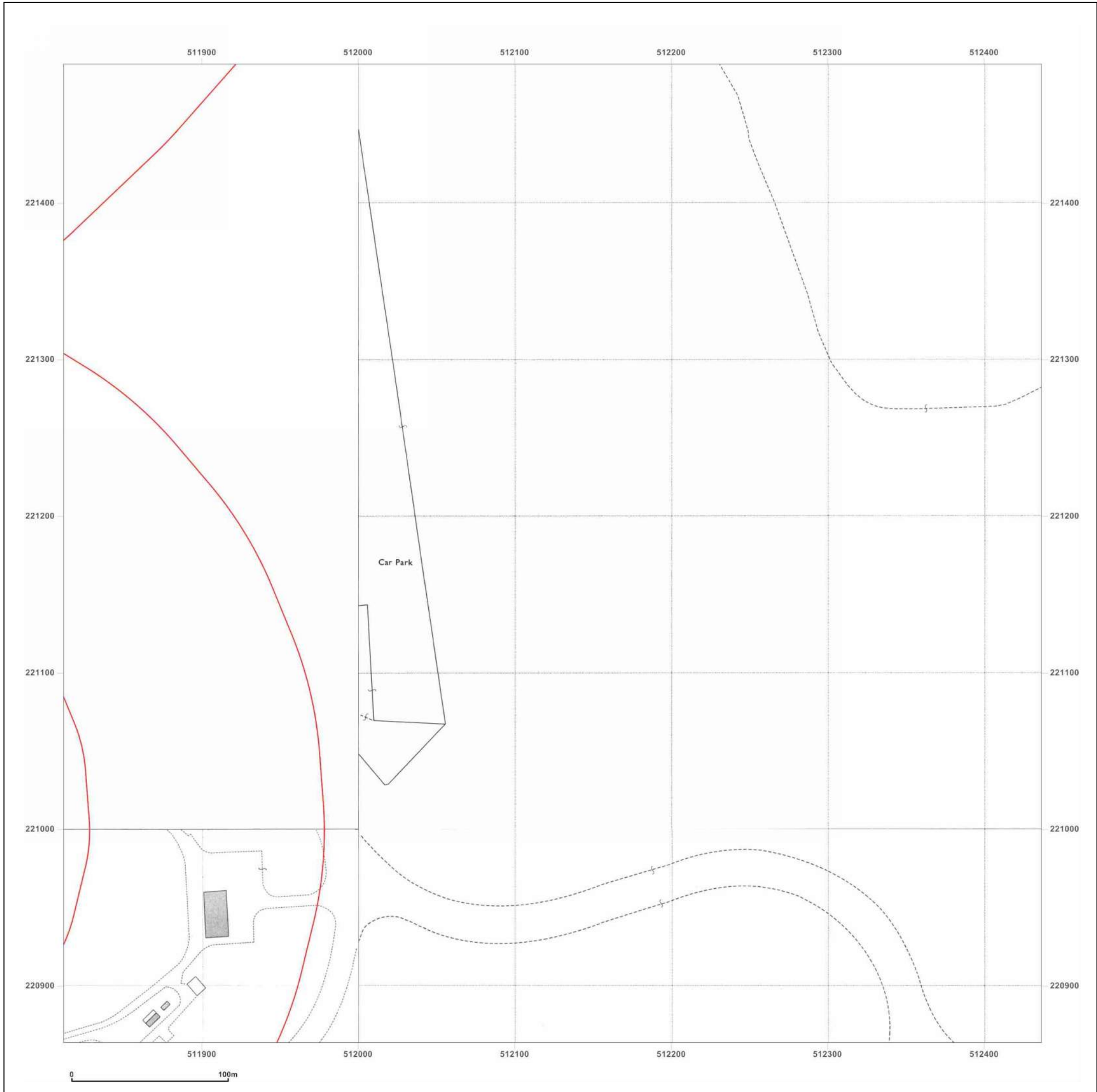
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: National Grid

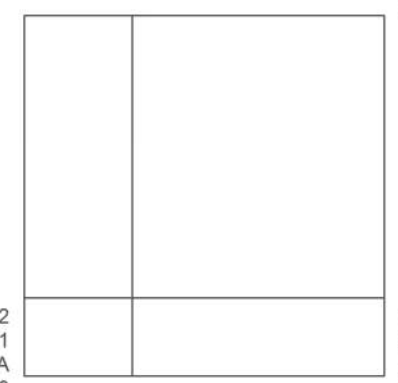
Map date: 1971

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1971
 Revised 1971
 Edition N/A
 Copyright 1972
 Levelled 1958



Surveyed 1962
 Revised 1971
 Edition N/A
 Copyright 1973
 Levelled 1958

Surveyed 1971
 Revised 1971
 Edition N/A
 Copyright 1972
 Levelled 1958



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: National Grid

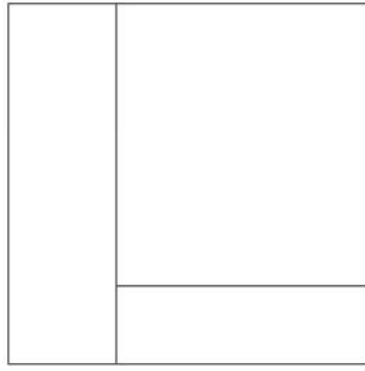
Map date: 1990

Scale: 1:2,500

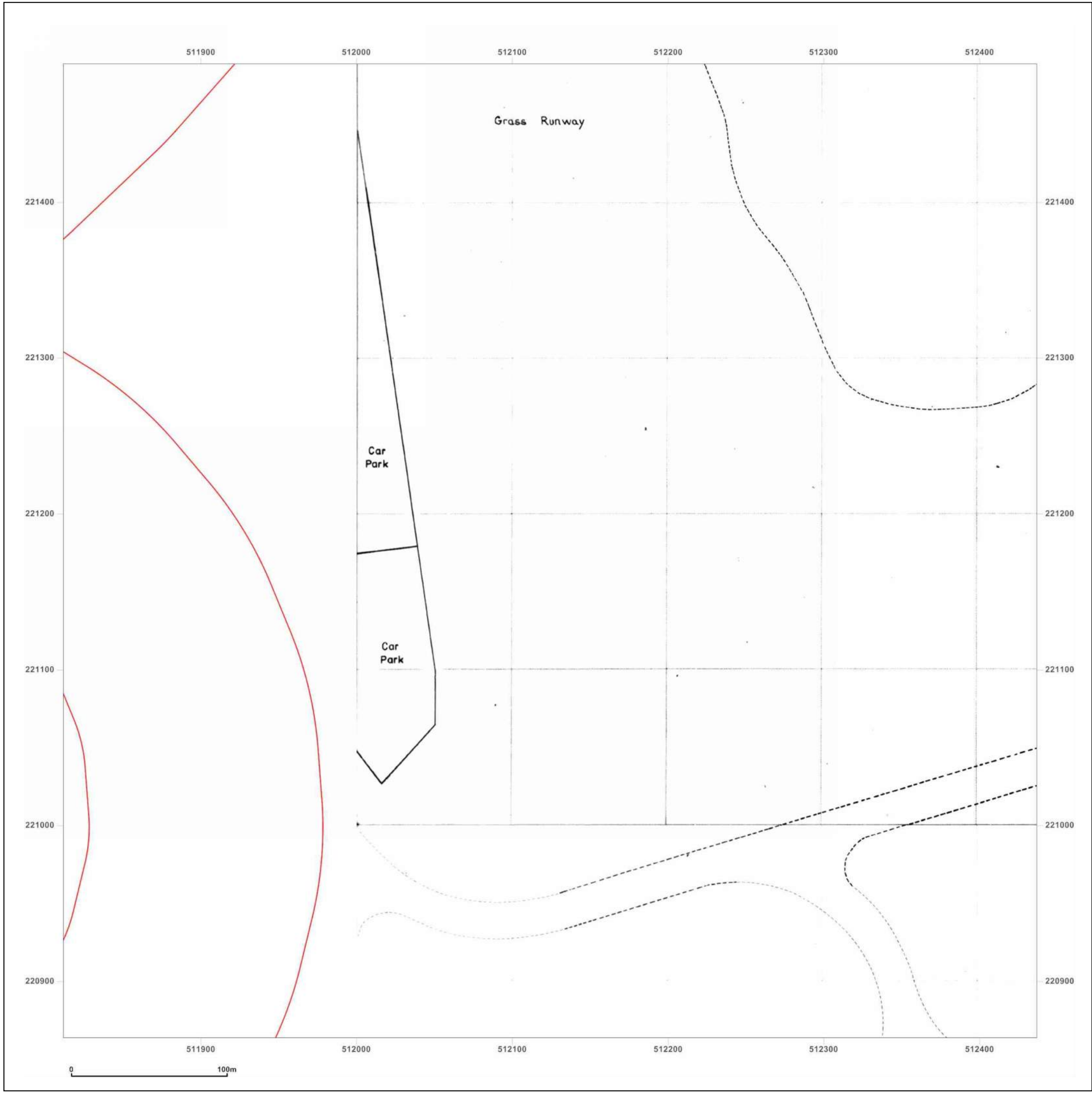
Printed at: 1:2,500



Surveyed 1958
 Revised 1990
 Edition N/A
 Copyright 1990
 Levelled 1958



Surveyed 1958
 Revised 1990
 Edition N/A
 Copyright 1990
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: National Grid

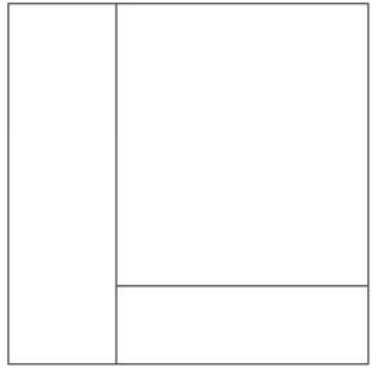
Map date: 1993

Scale: 1:2,500

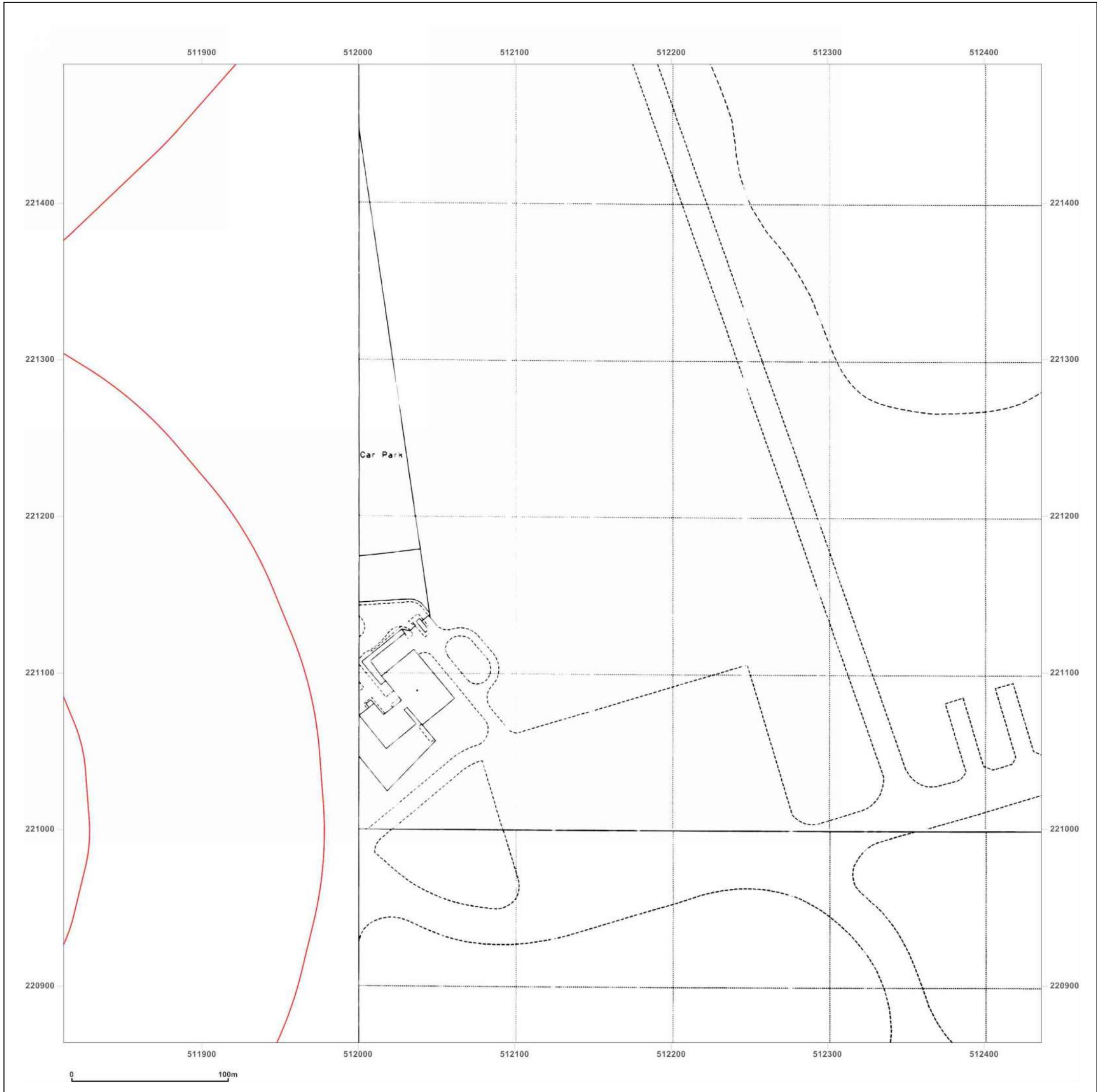
Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A



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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: National Grid

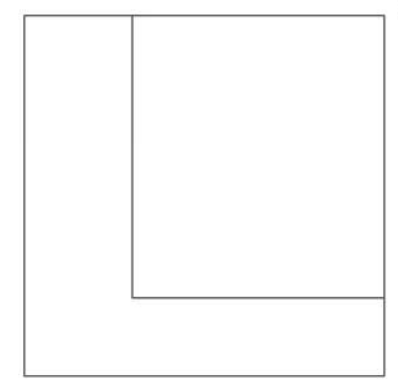
Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

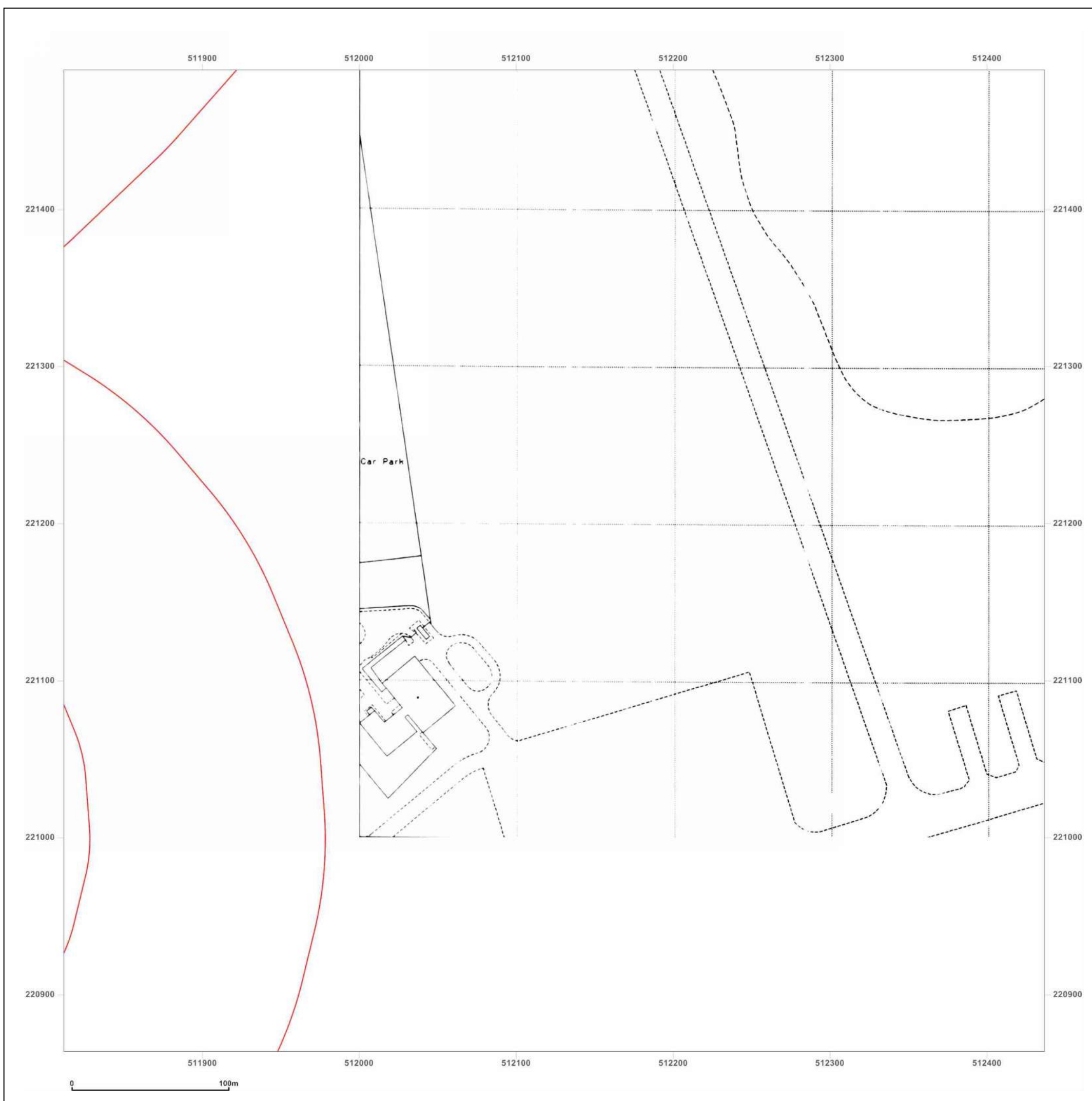


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Production date: 23 November 2020

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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_2
Grid Ref: 512124, 221176

Map Name: National Grid

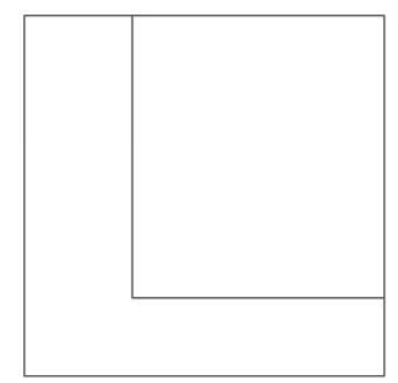
Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

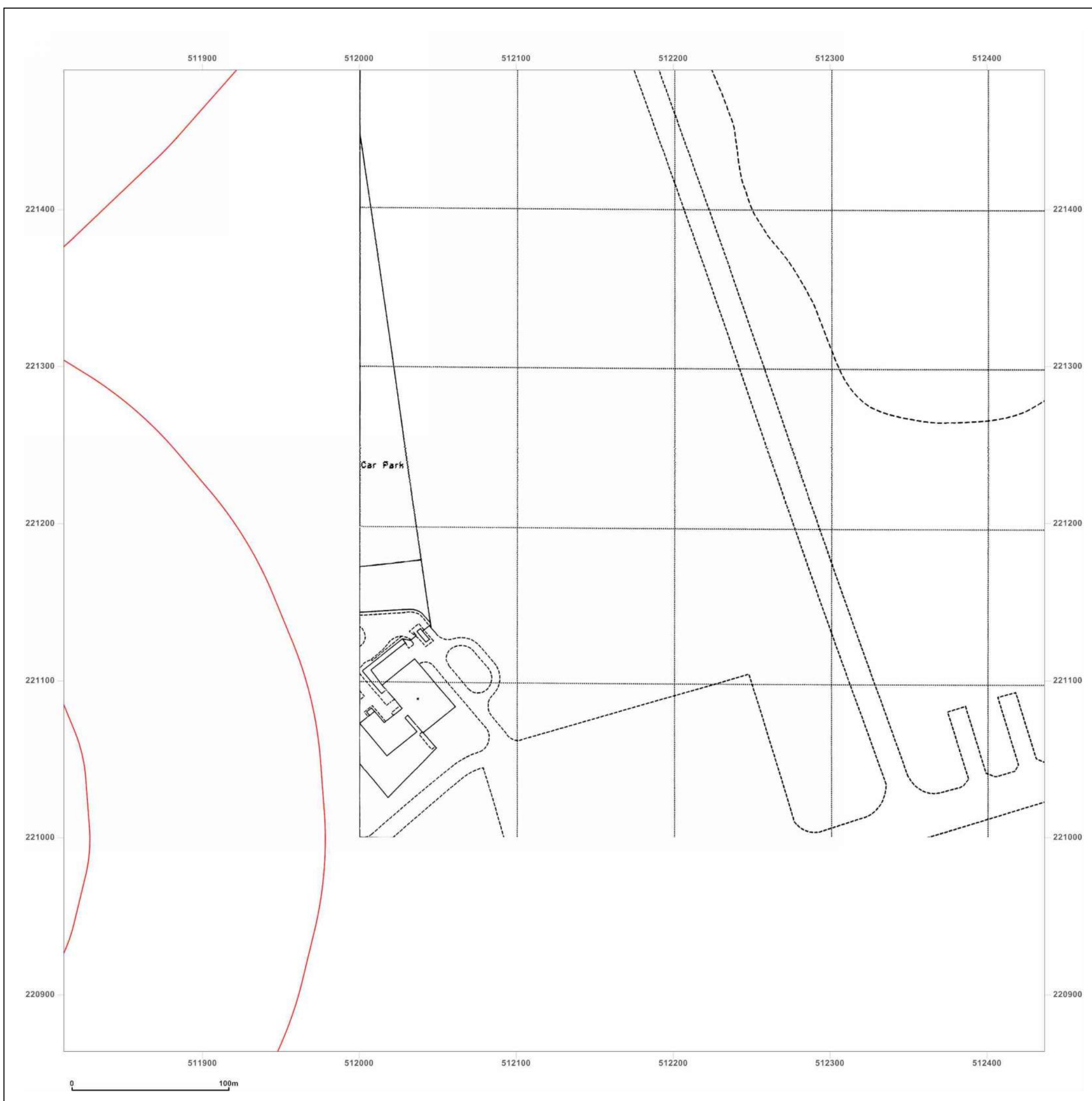


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

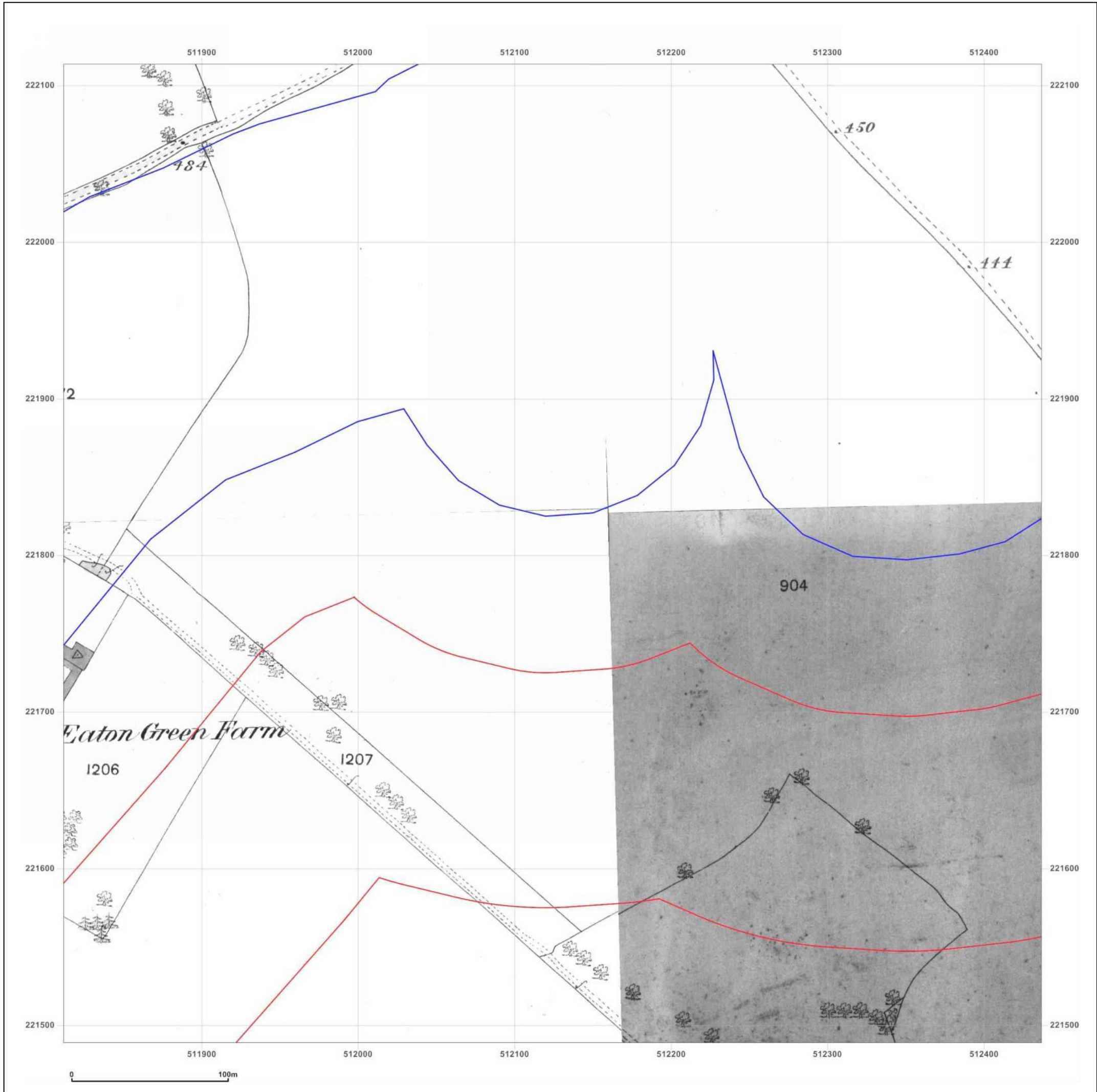
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: County Series

Map date: 1880-1881

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880 Revised 1880 Edition N/A Copyright N/A Levelled N/A	Surveyed 1881 Revised 1881 Edition N/A Copyright N/A Levelled N/A
Surveyed 1880 Revised 1880 Edition N/A Copyright N/A Levelled N/A	Surveyed 1881 Revised 1881 Edition N/A Copyright N/A Levelled N/A



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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

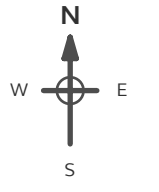
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: County Series

Map date: 1898-1901

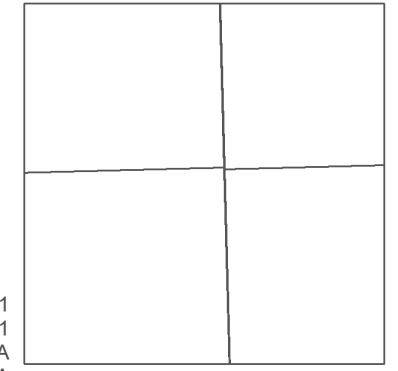
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1898
 Revised 1898
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1898
 Revised 1898
 Edition N/A
 Copyright N/A
 Levelled N/A

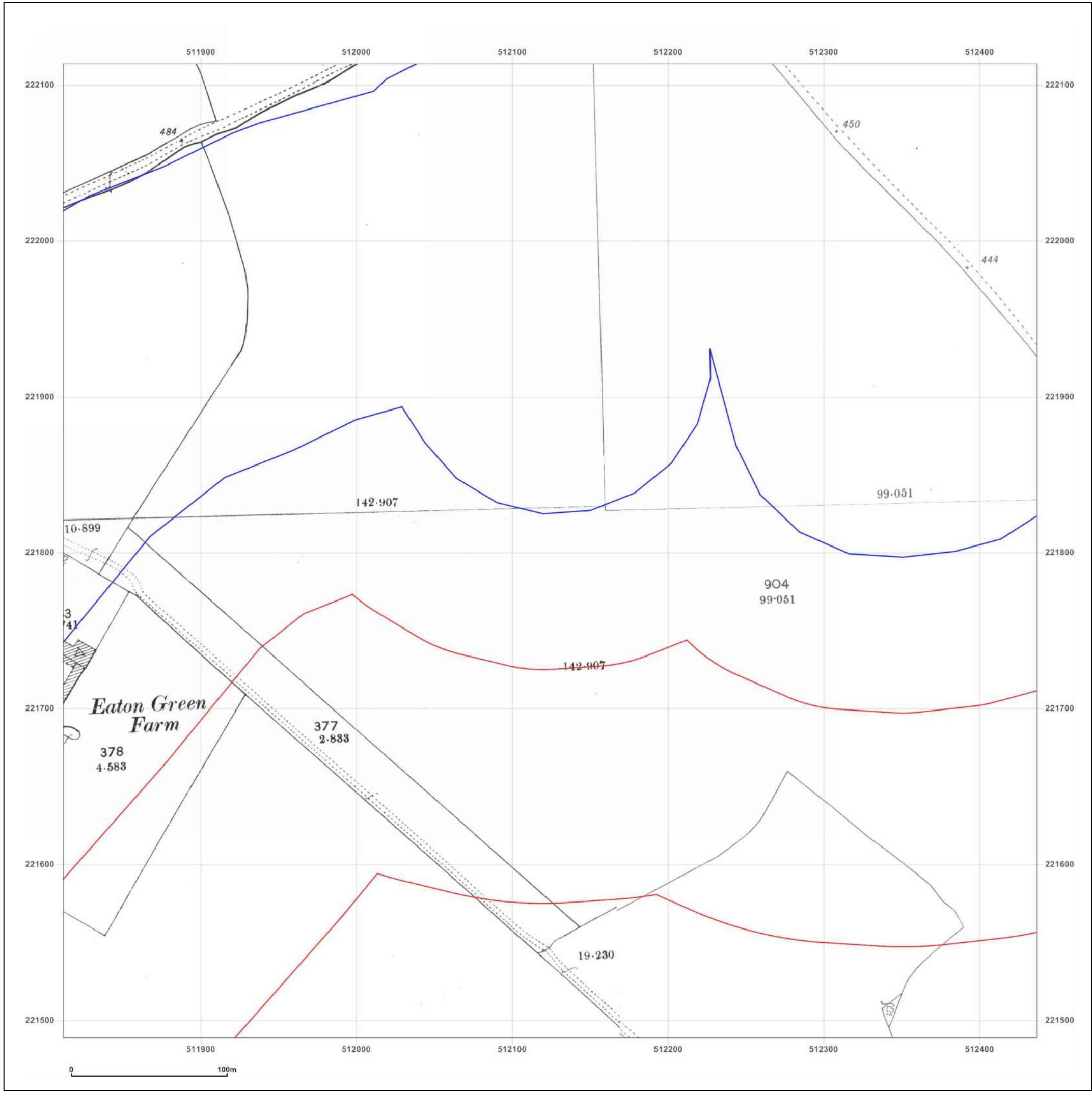


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Site Details:

Proposed Link Road - CPAR

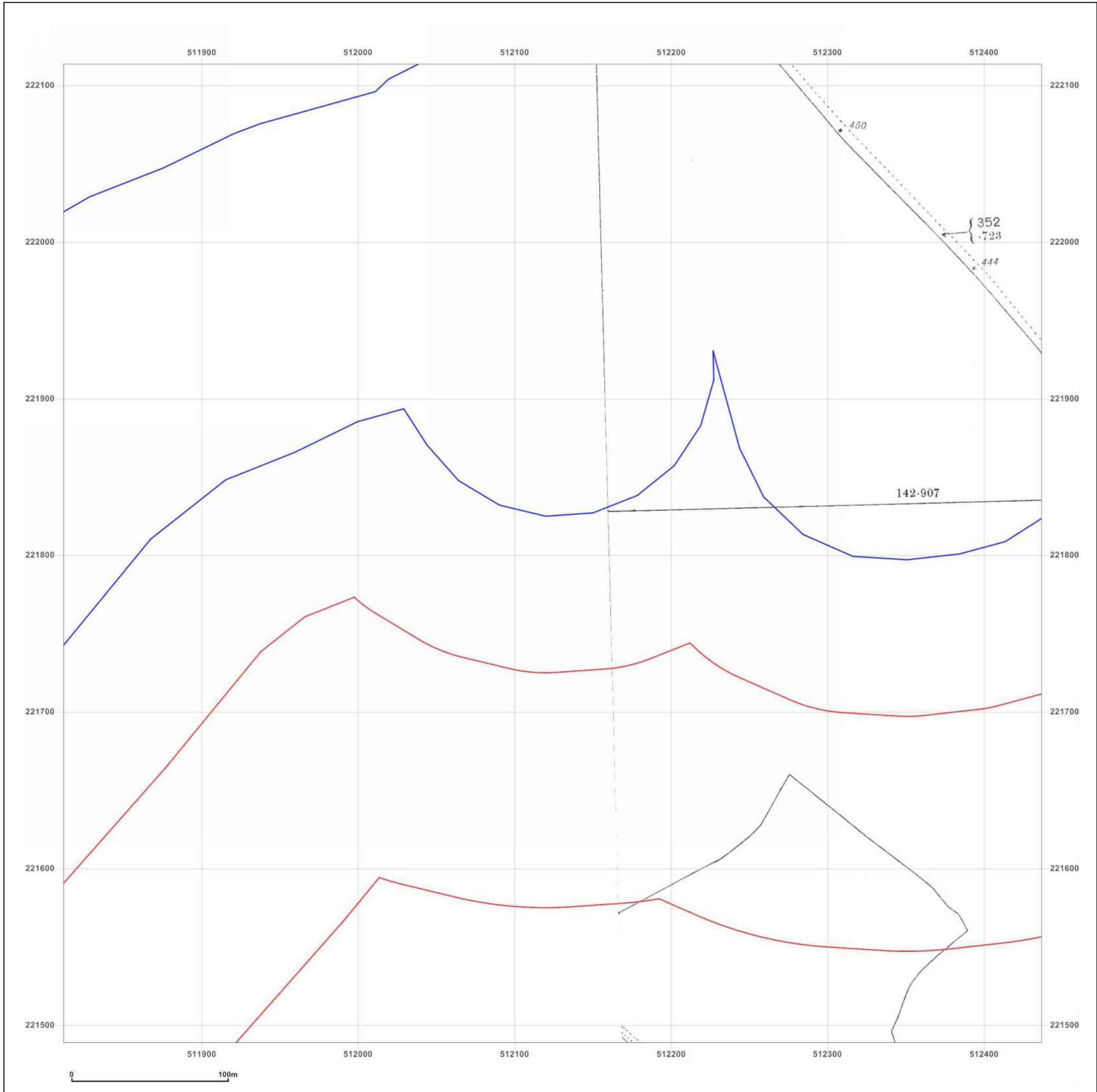
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: County Series

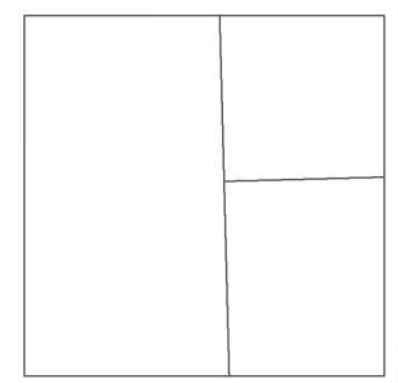
Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1901
 Revised 1901
 Edition N/A
 Copyright N/A
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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: County Series

Map date: 1924

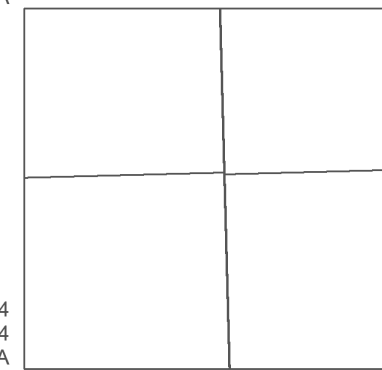
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

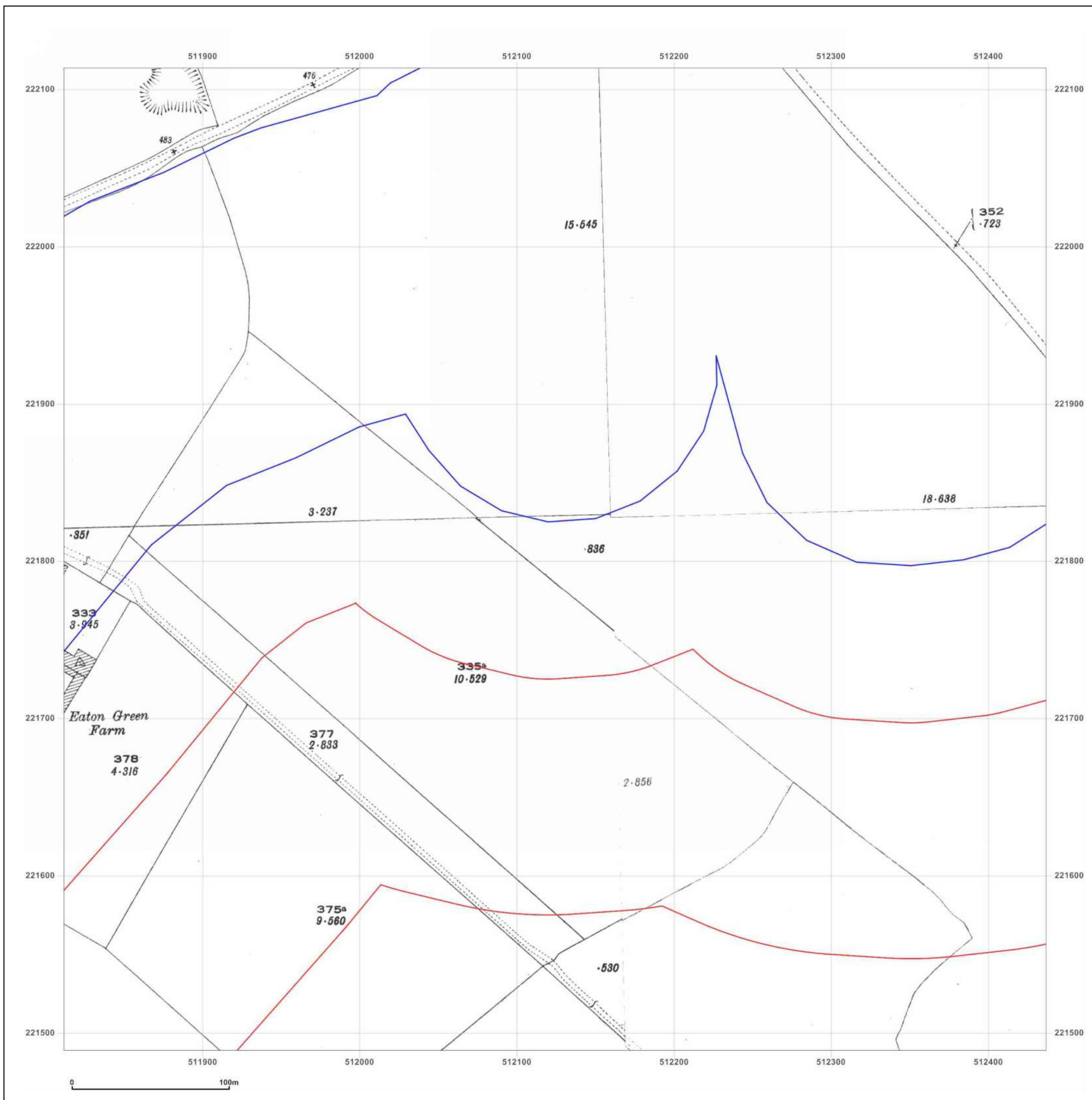


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: National Grid

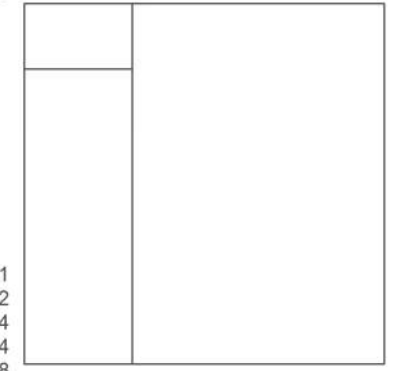
Map date: 1961-1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
 Revised 1961
 Edition 1963
 Copyright 1963
 Levelled 1958



Surveyed 1961
 Revised 1962
 Edition 1964
 Copyright 1964
 Levelled 1958

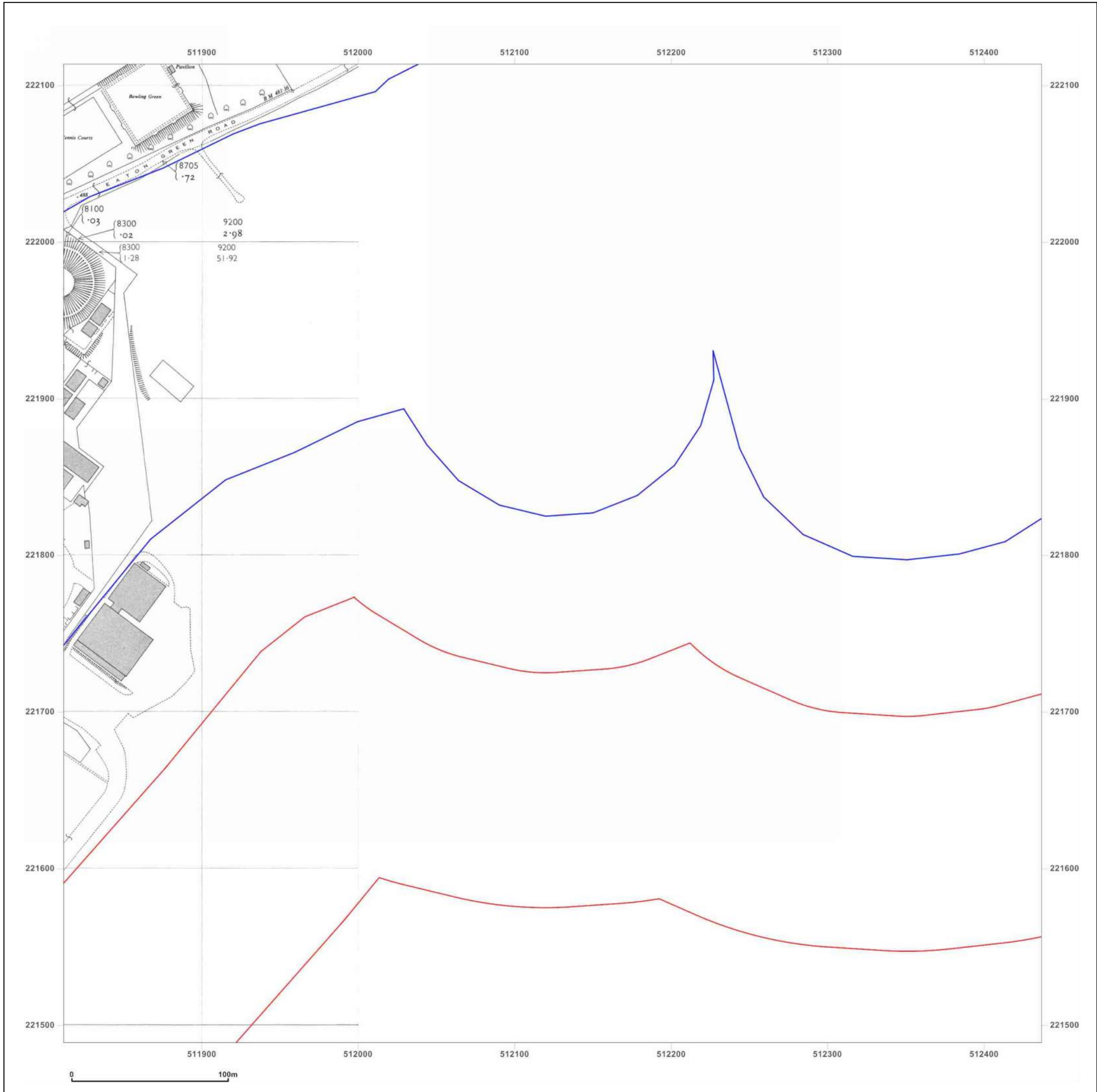


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Production date: 23 November 2020

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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: National Grid

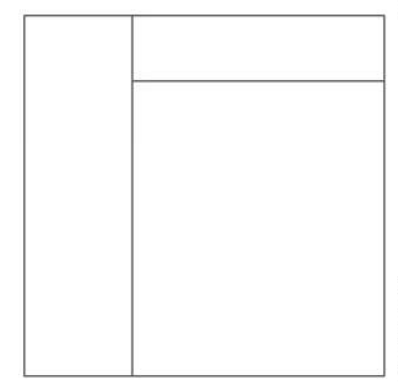
Map date: 1971

Scale: 1:2,500

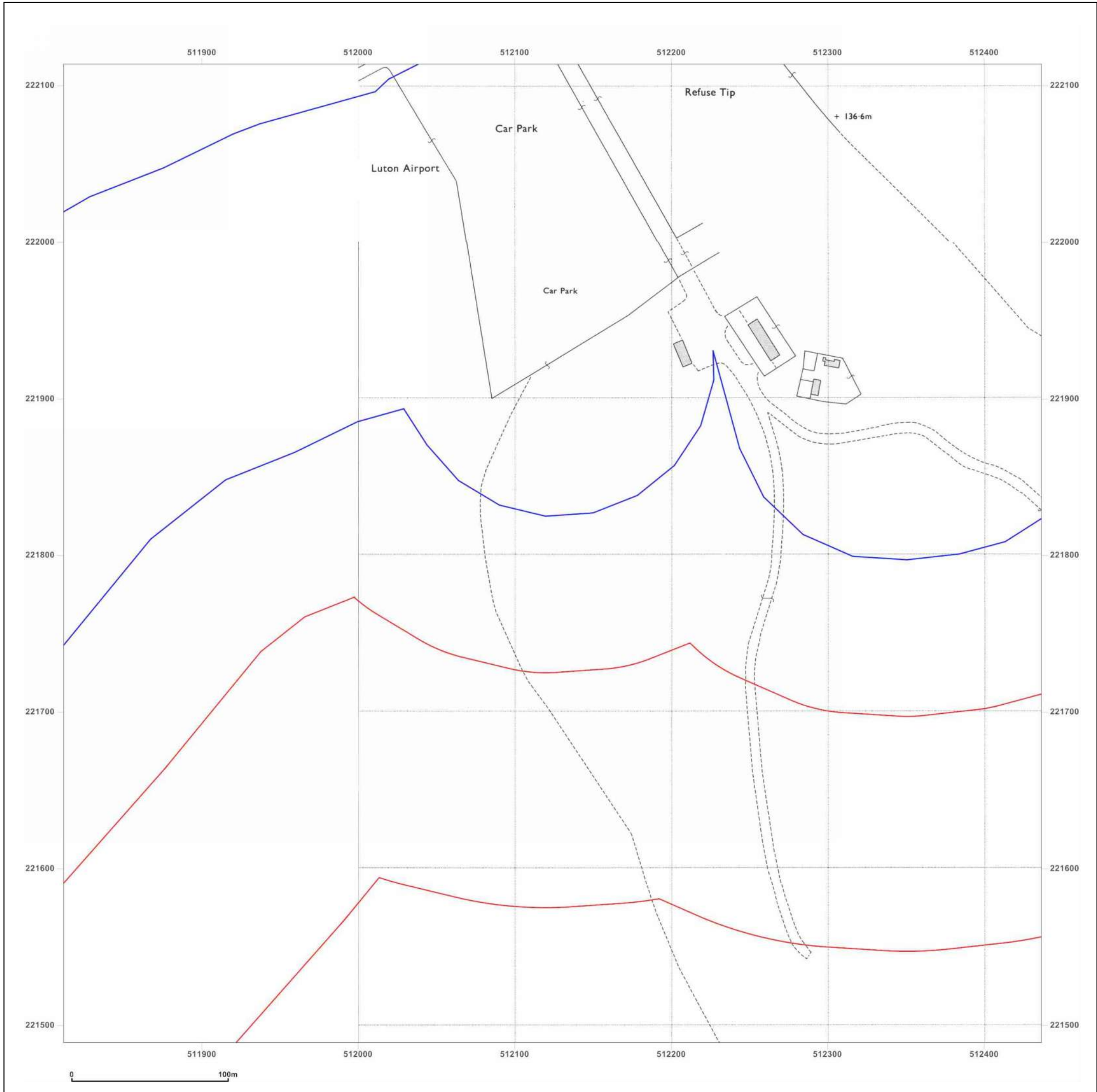
Printed at: 1:2,500



Surveyed 1971
 Revised 1971
 Edition N/A
 Copyright 1972
 Levelled 1958



Surveyed 1971
 Revised 1971
 Edition N/A
 Copyright 1972
 Levelled 1958



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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

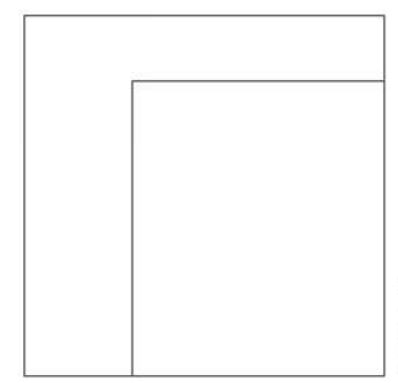
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: National Grid

Map date: 1990

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
 Revised 1990
 Edition N/A
 Copyright 1990
 Levelled 1958

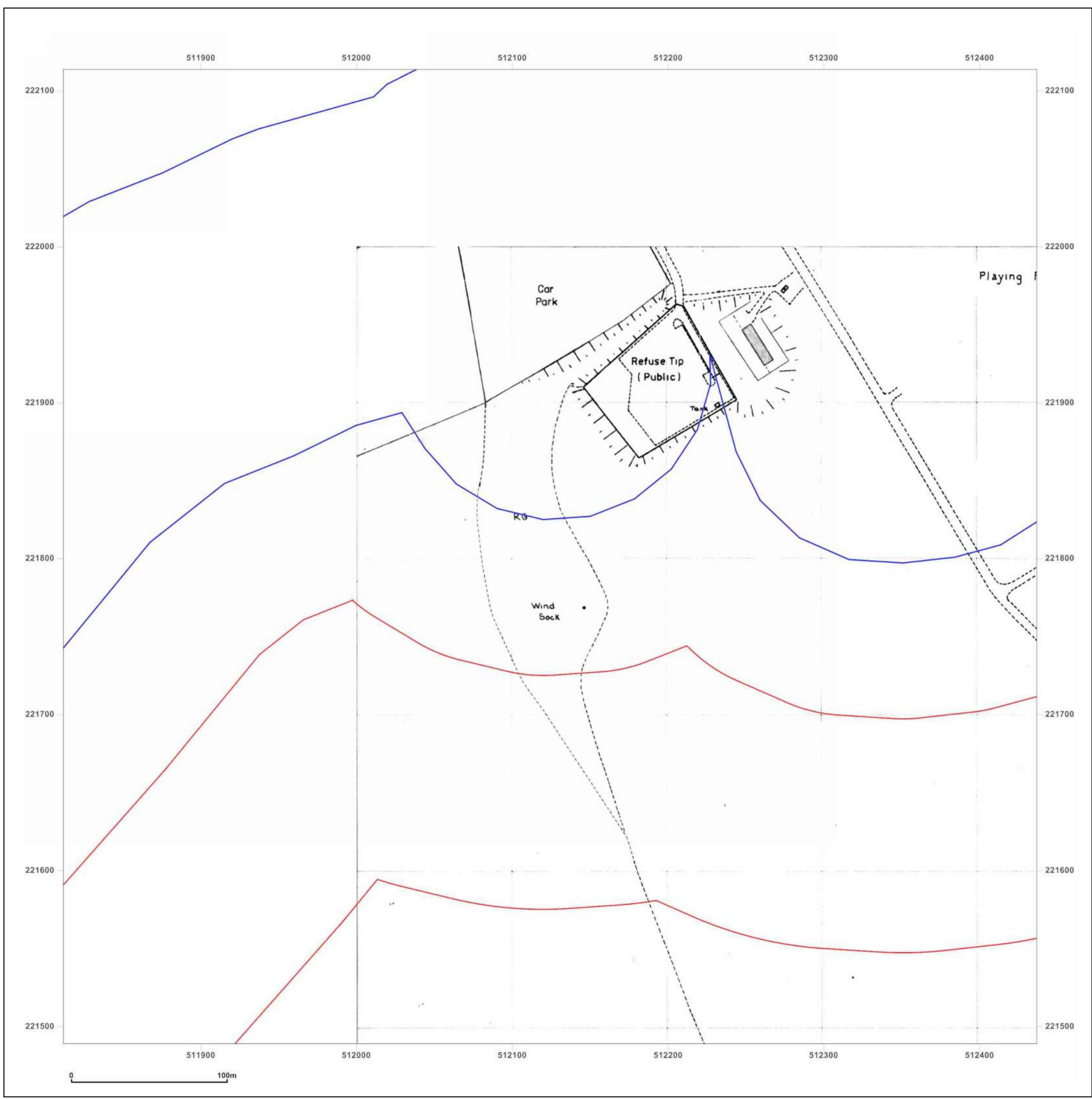


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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

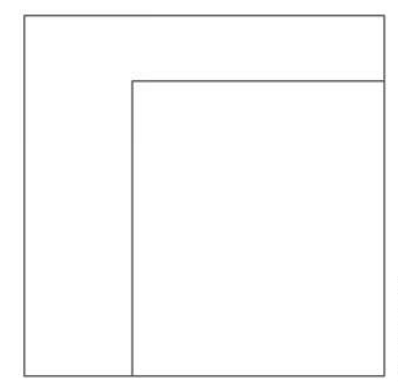
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

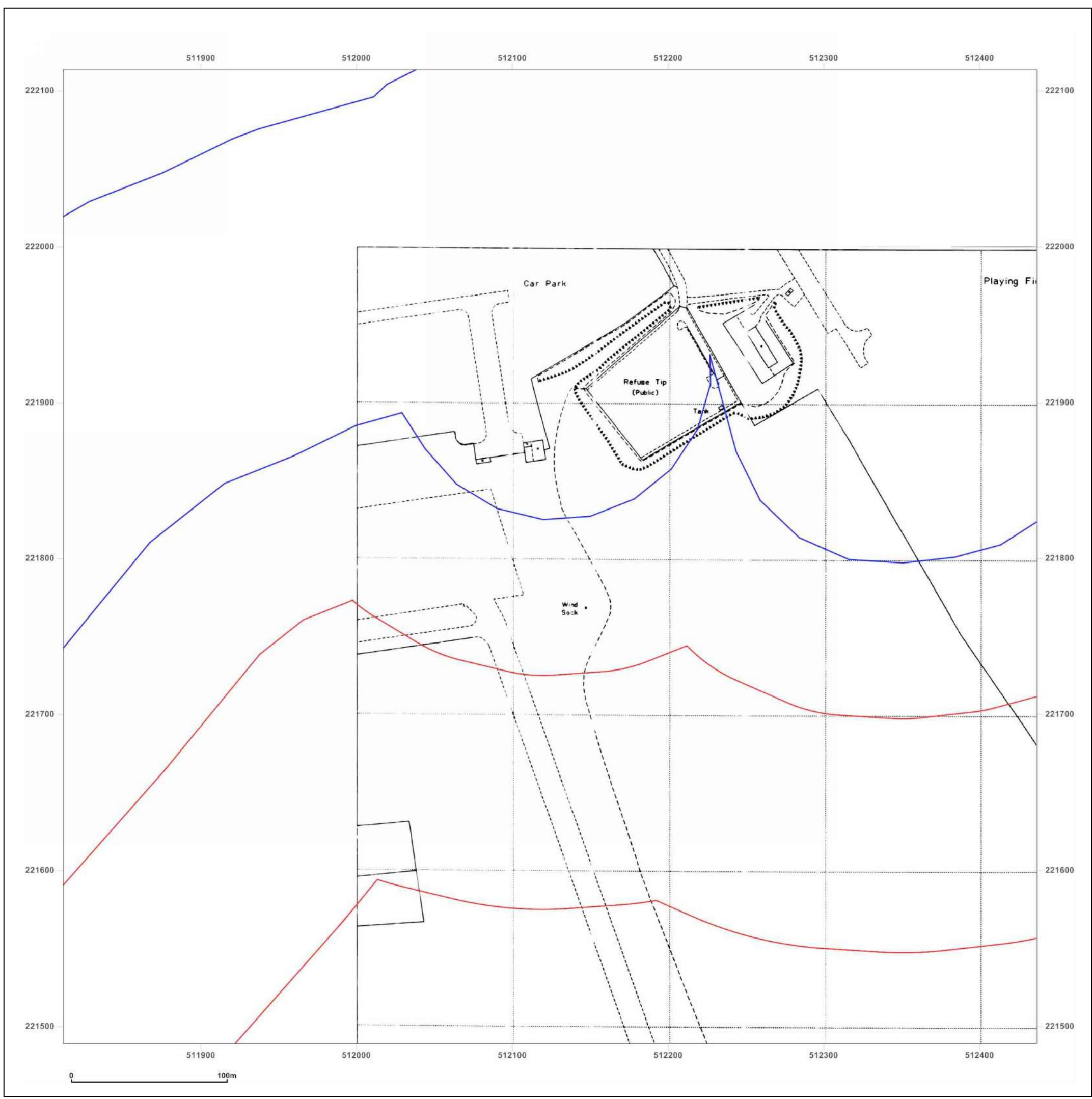


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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

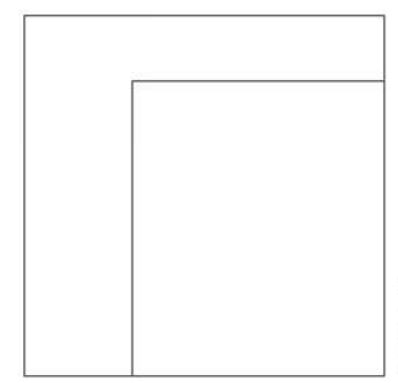
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Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

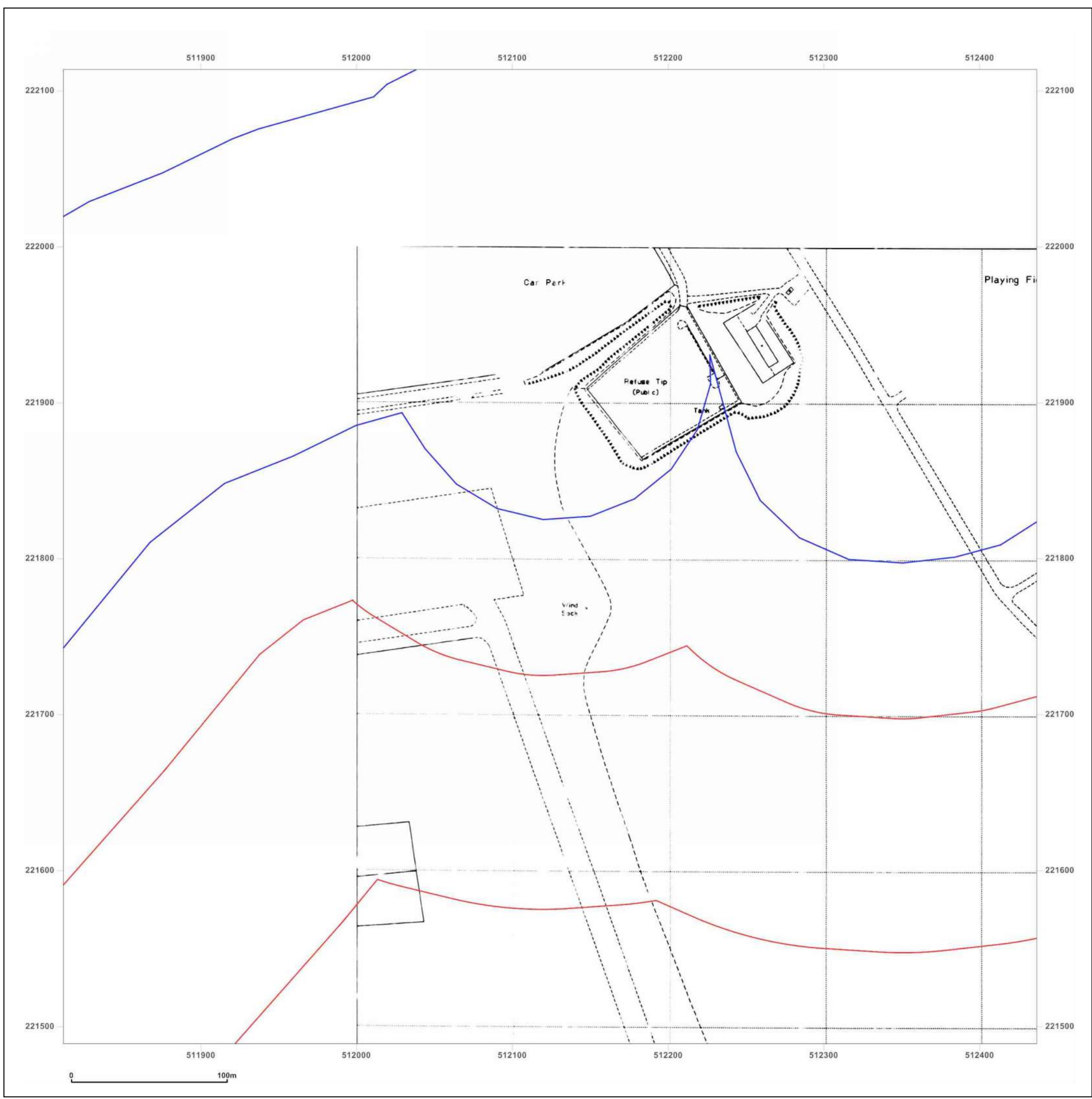


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Site Details:

Proposed Link Road - CPAR

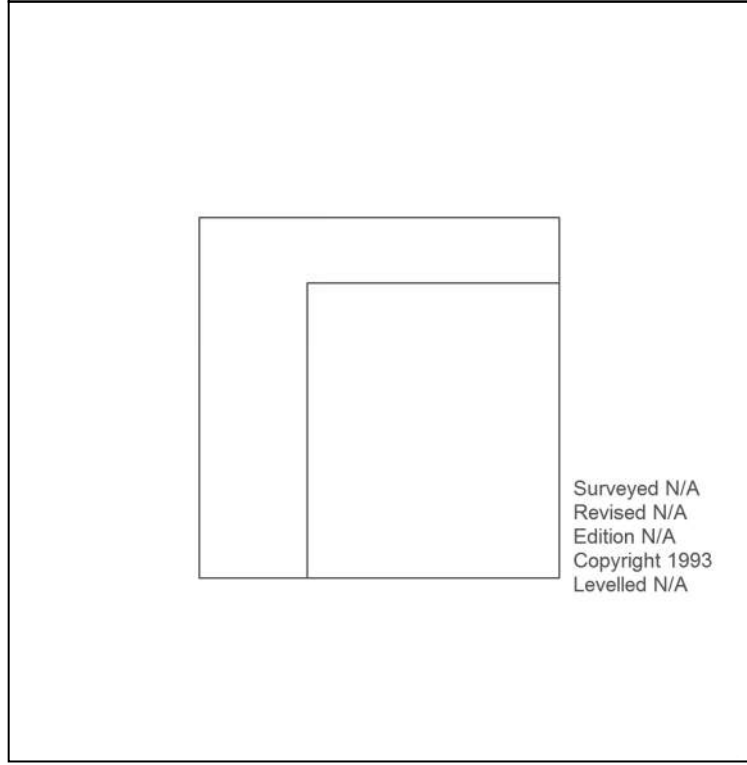
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_3
Grid Ref: 512124, 221801

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

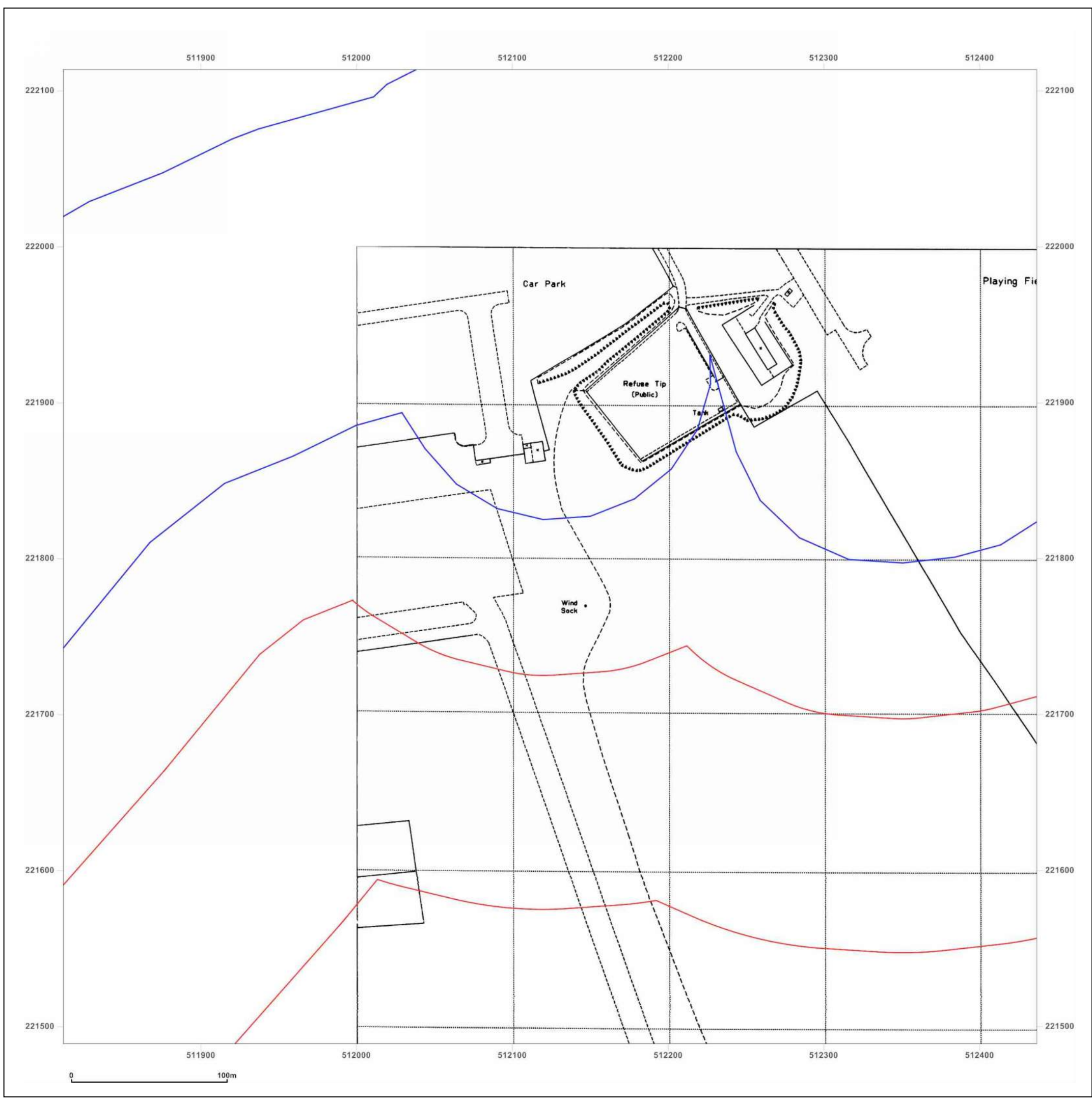


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_4
Grid Ref: 512124, 222427

Map Name: County Series

Map date: 1880-1881

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1880
 Revised 1880
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1881
 Revised 1881
 Edition N/A
 Copyright N/A
 Levelled N/A

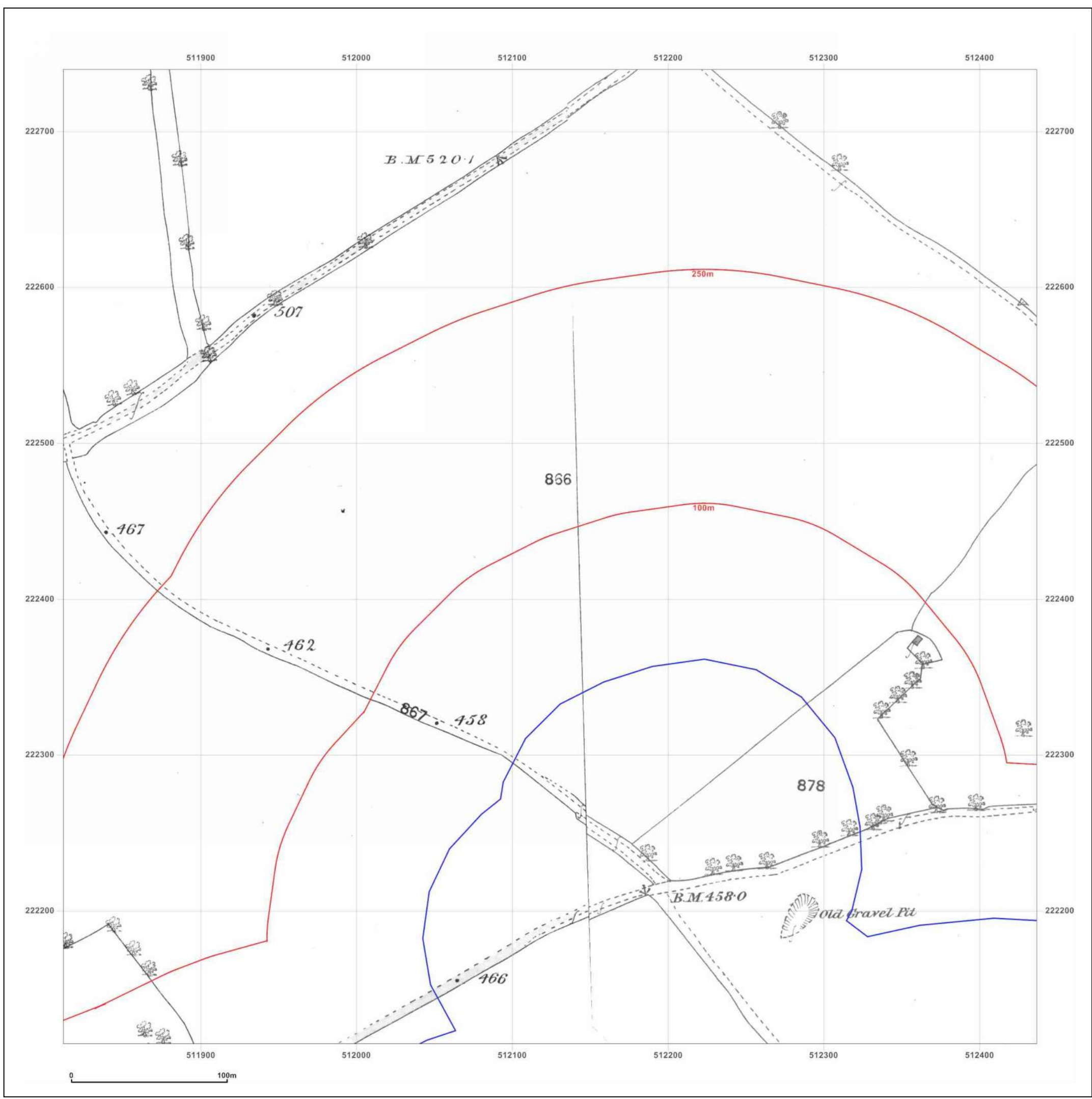


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_4
Grid Ref: 512124, 222427

Map Name: County Series

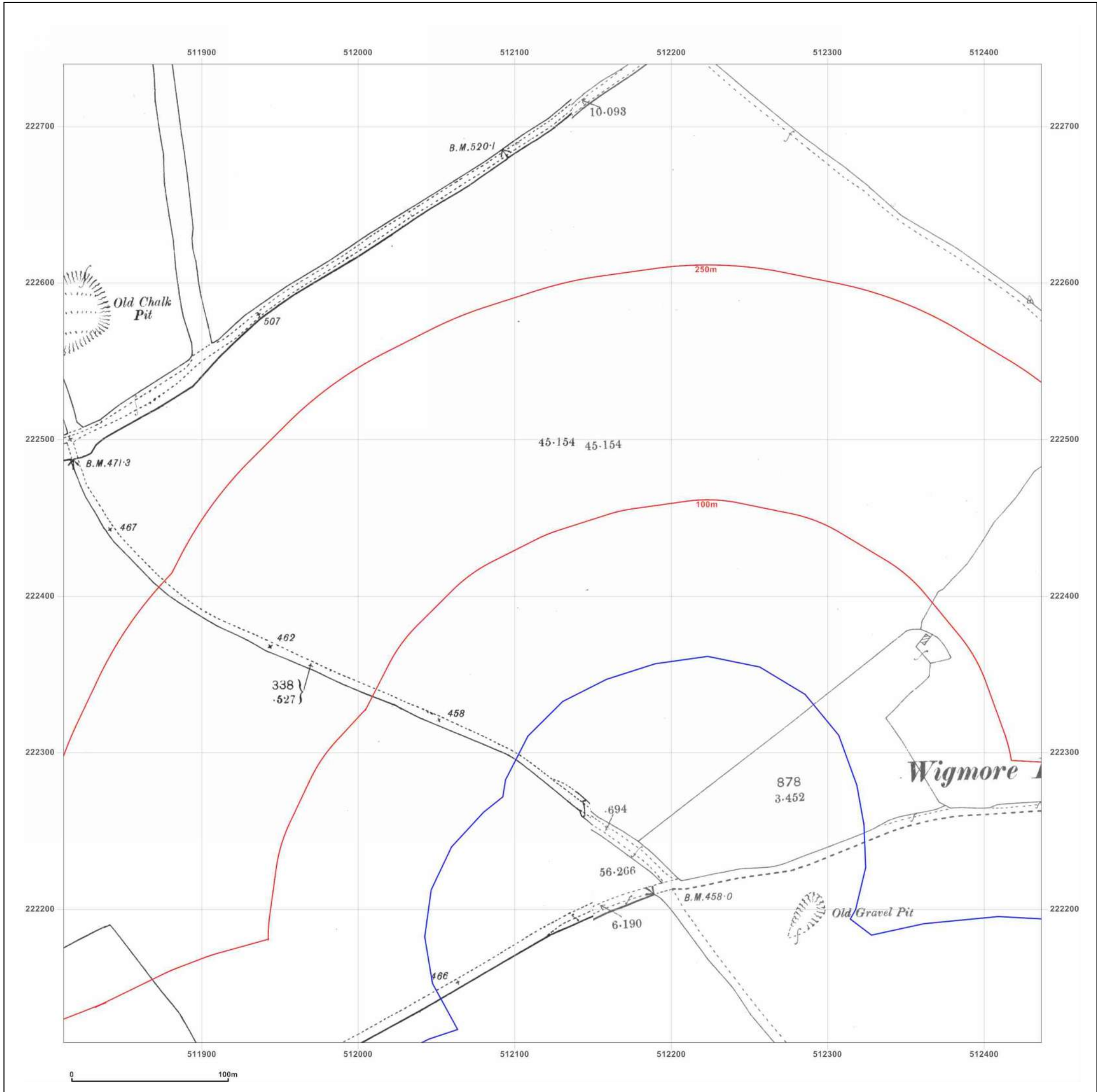
Map date: 1898-1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901 Revised 1901 Edition N/A Copyright N/A Levelled N/A		Surveyed 1898 Revised 1898 Edition N/A Copyright N/A Levelled N/A
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Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_4
Grid Ref: 512124, 222427

Map Name: County Series

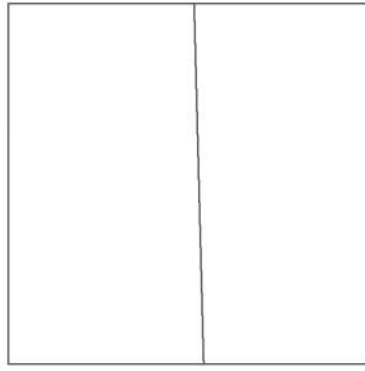
Map date: 1901

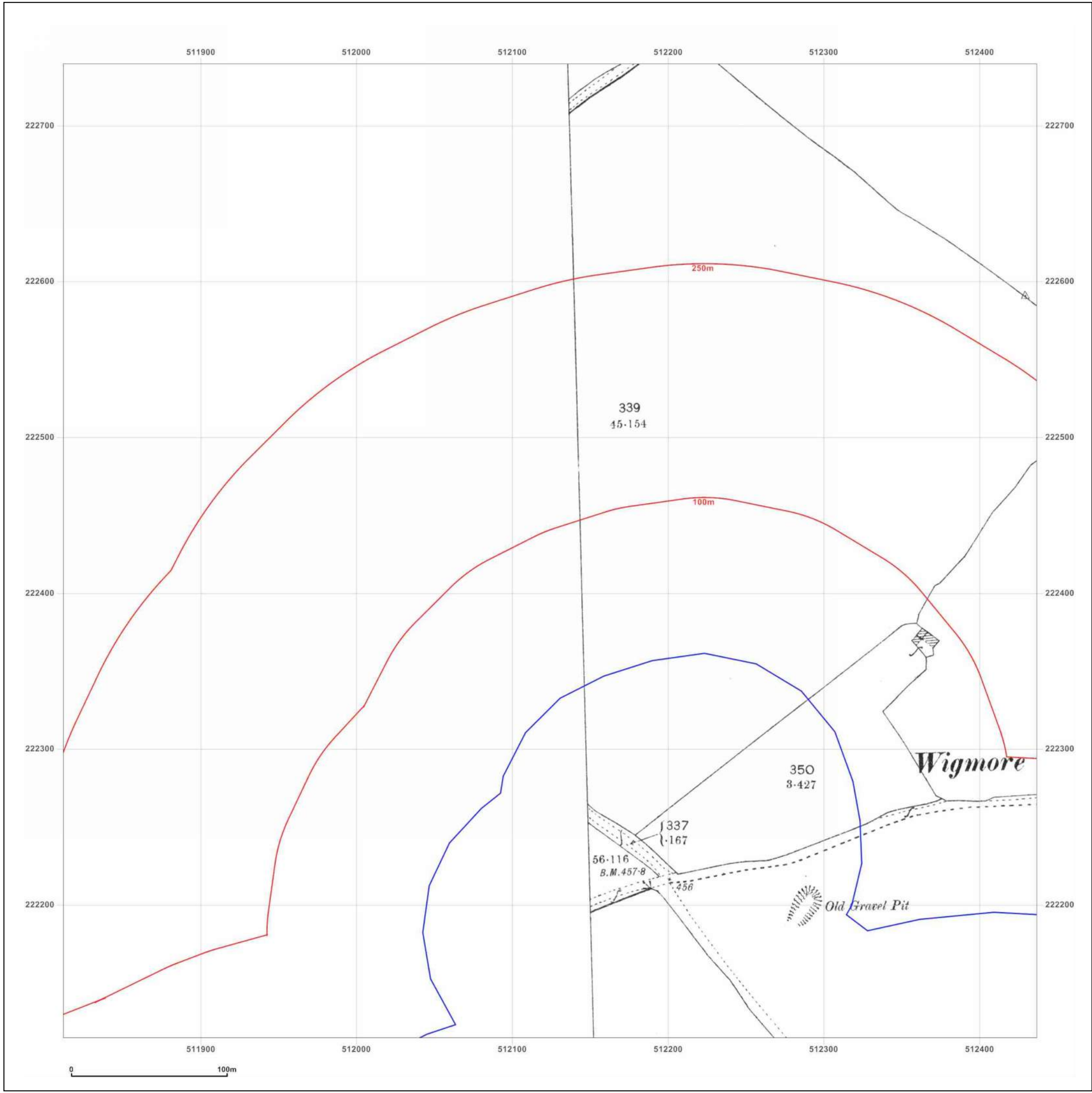
Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A





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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_4
Grid Ref: 512124, 222427

Map Name: County Series

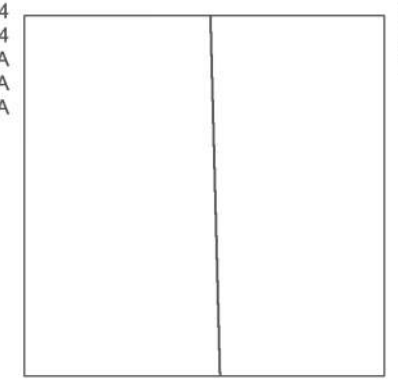
Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

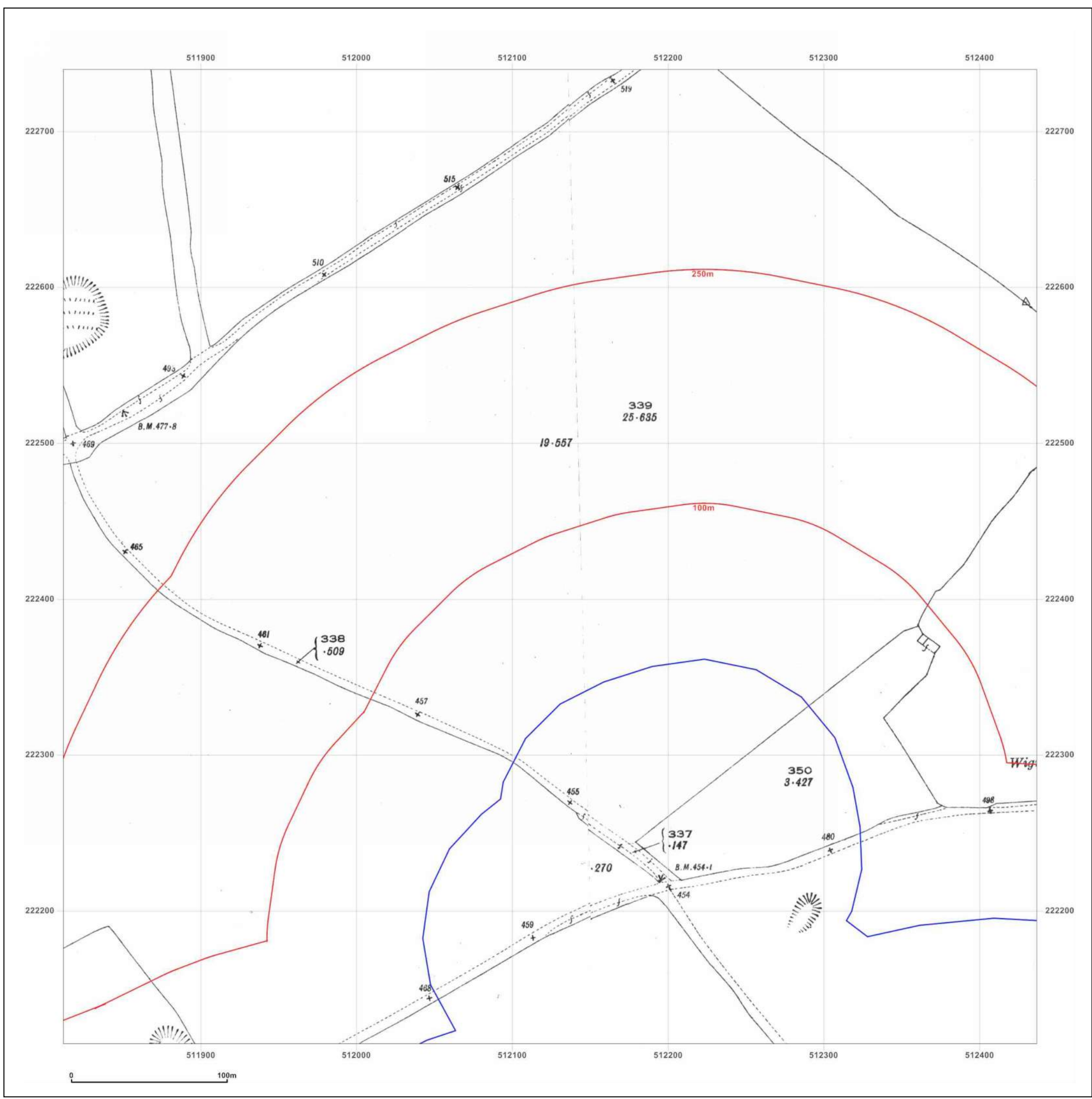


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_4
Grid Ref: 512124, 222427

Map Name: National Grid

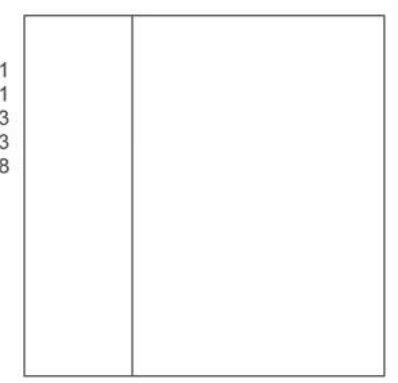
Map date: 1961

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
 Revised 1961
 Edition 1963
 Copyright 1963
 Levelled 1958

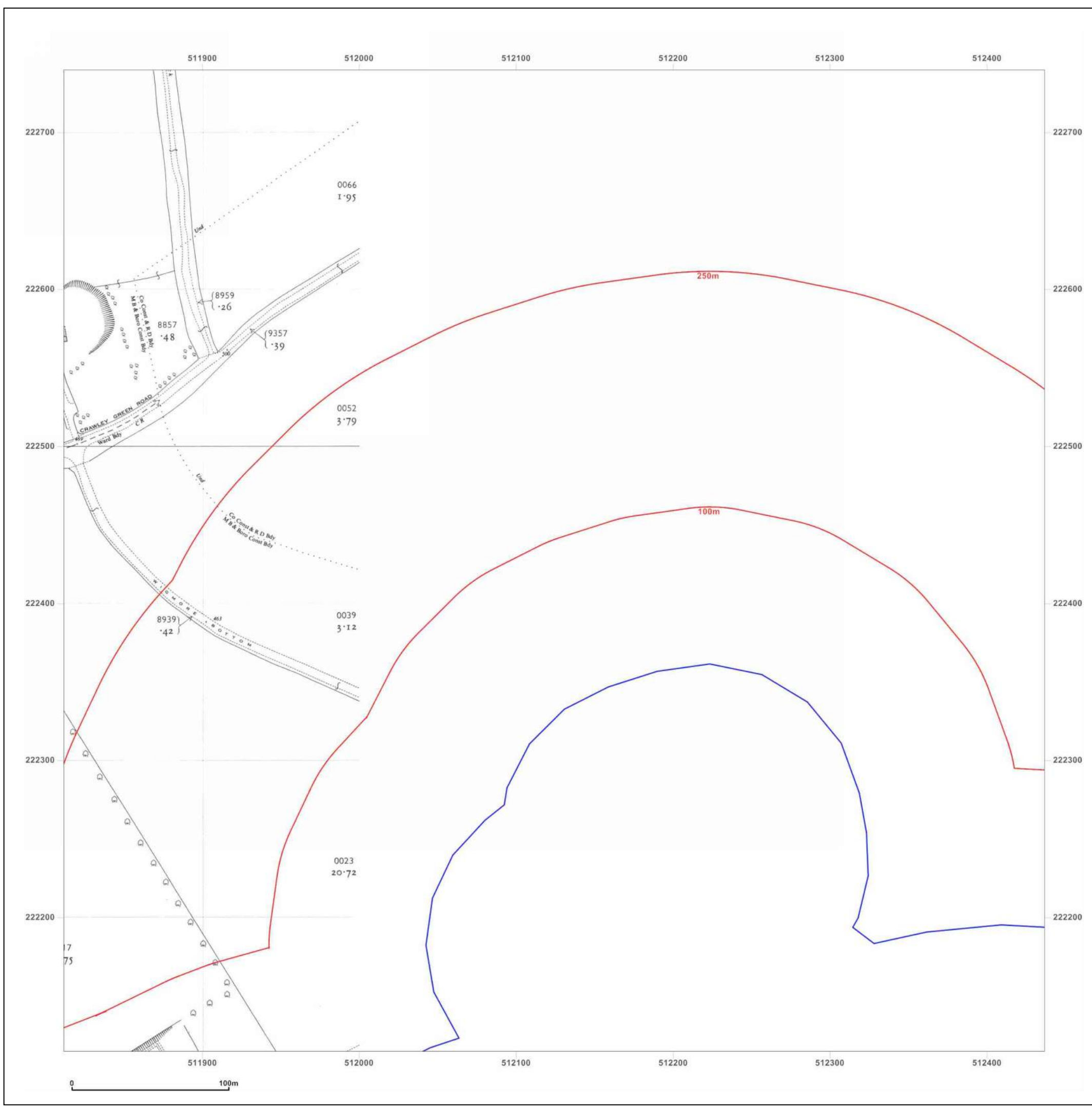


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

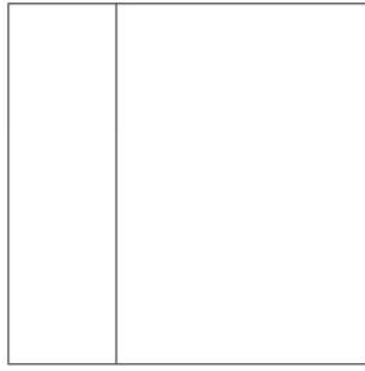
Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_3_4
Grid Ref: 512124, 222427

Map Name: National Grid

Map date: 1971

Scale: 1:2,500

Printed at: 1:2,500

Surveyed 1971
 Revised 1971
 Edition N/A
 Copyright 1972
 Levelled 1958

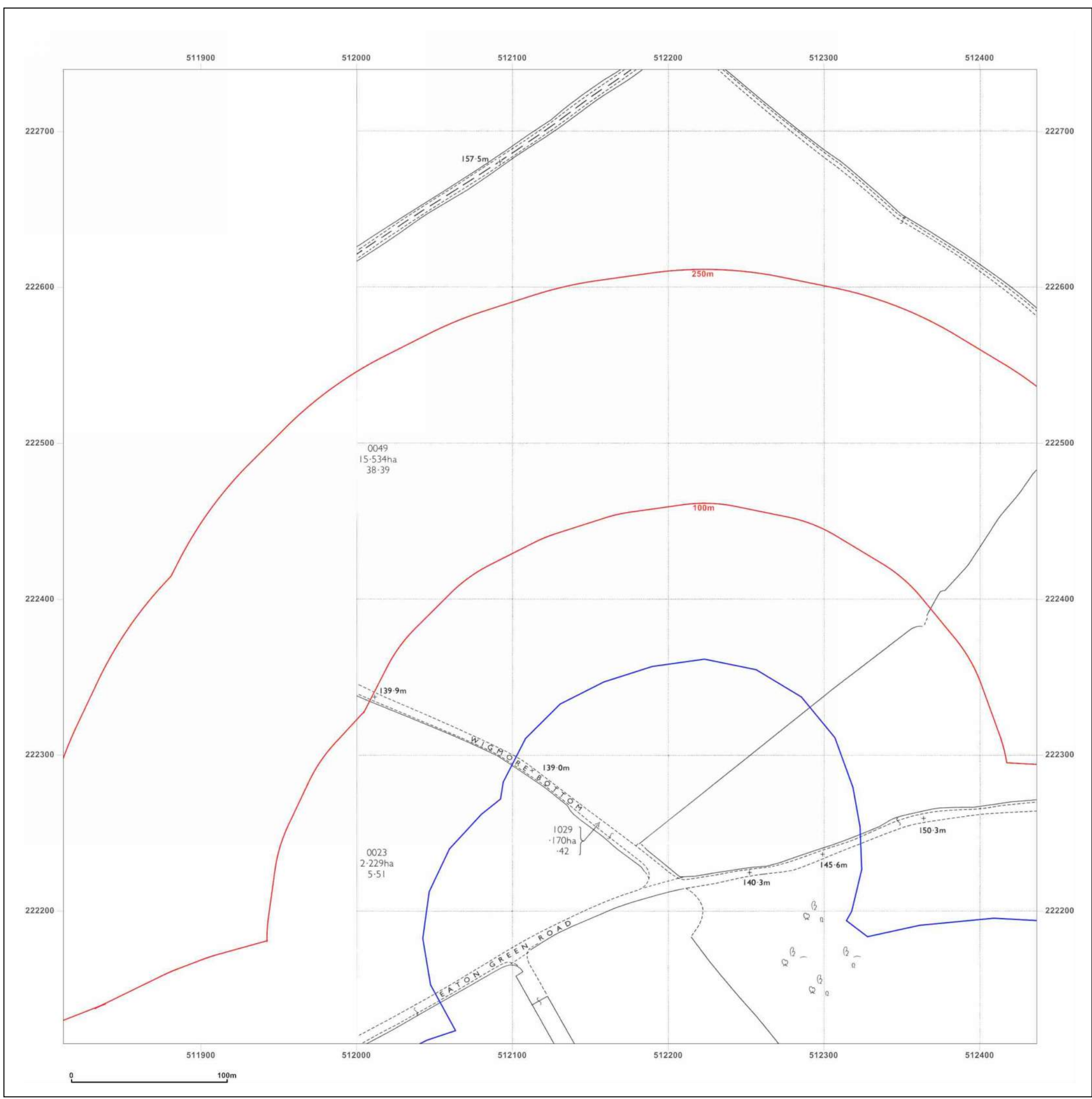


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Production date: 23 November 2020

Map legend available at:
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_4_3
Grid Ref: 512749, 221801

Map Name: County Series

Map date: 1881

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1881
 Revised 1881
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1881
 Revised 1881
 Edition N/A
 Copyright N/A
 Levelled N/A

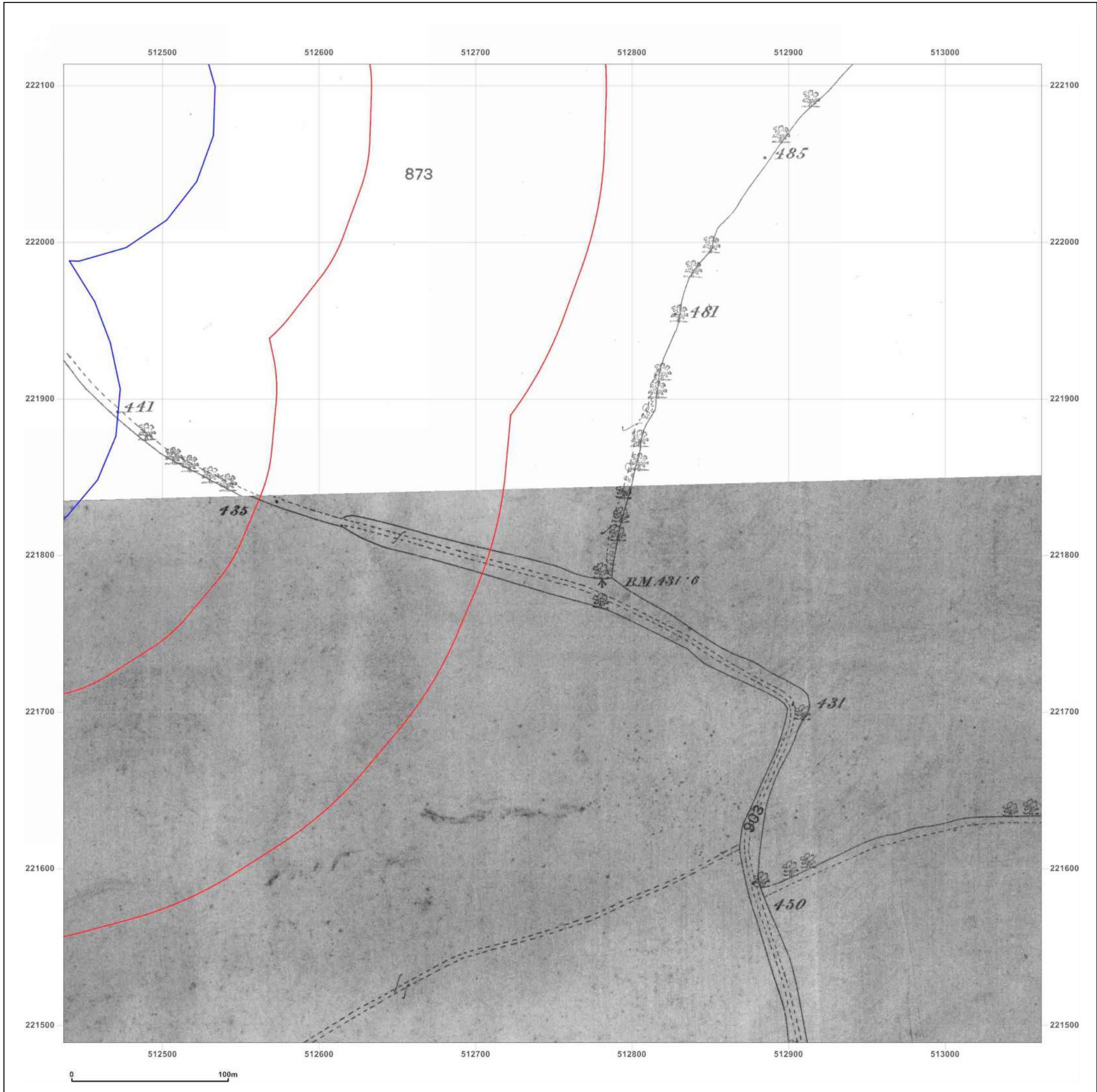


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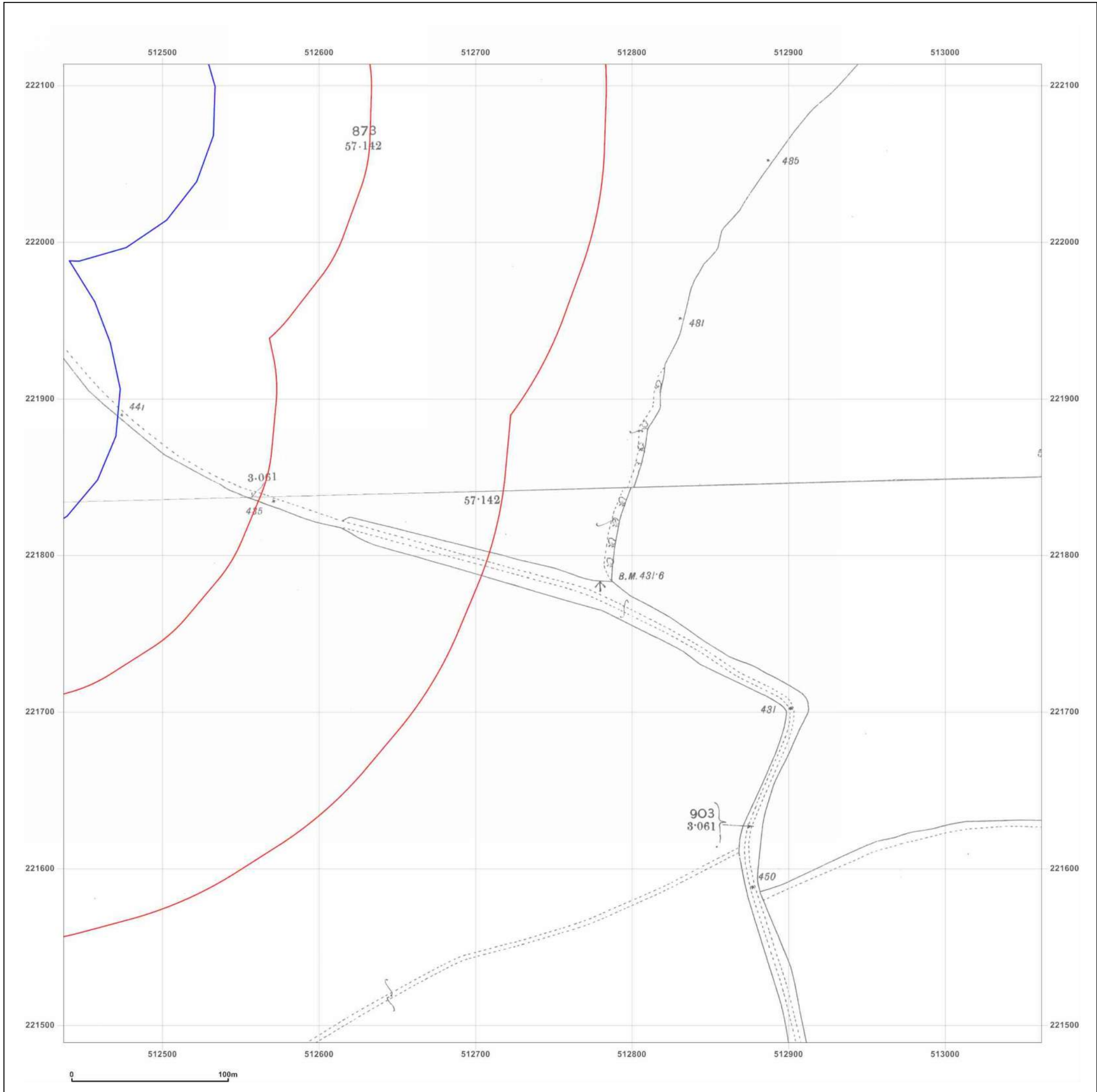
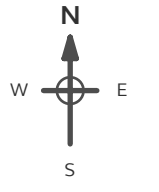
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Report Ref: GSIP-2020-10588-3214_LS_4_3
Grid Ref: 512749, 221801

Map Name: County Series

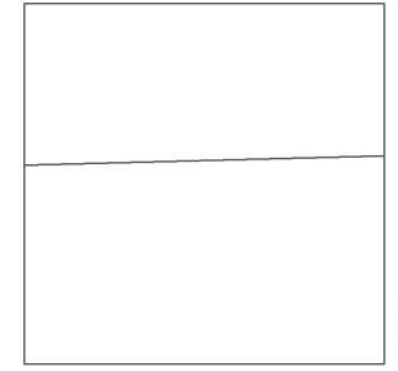
Map date: 1898

Scale: 1:2,500

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Grid Ref: 512749, 221801

Map Name: County Series

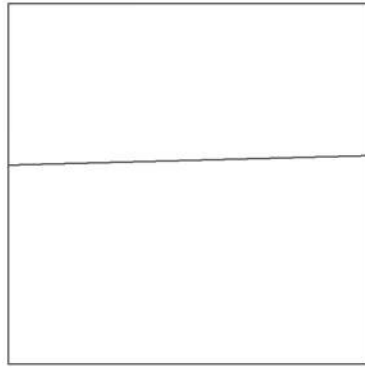
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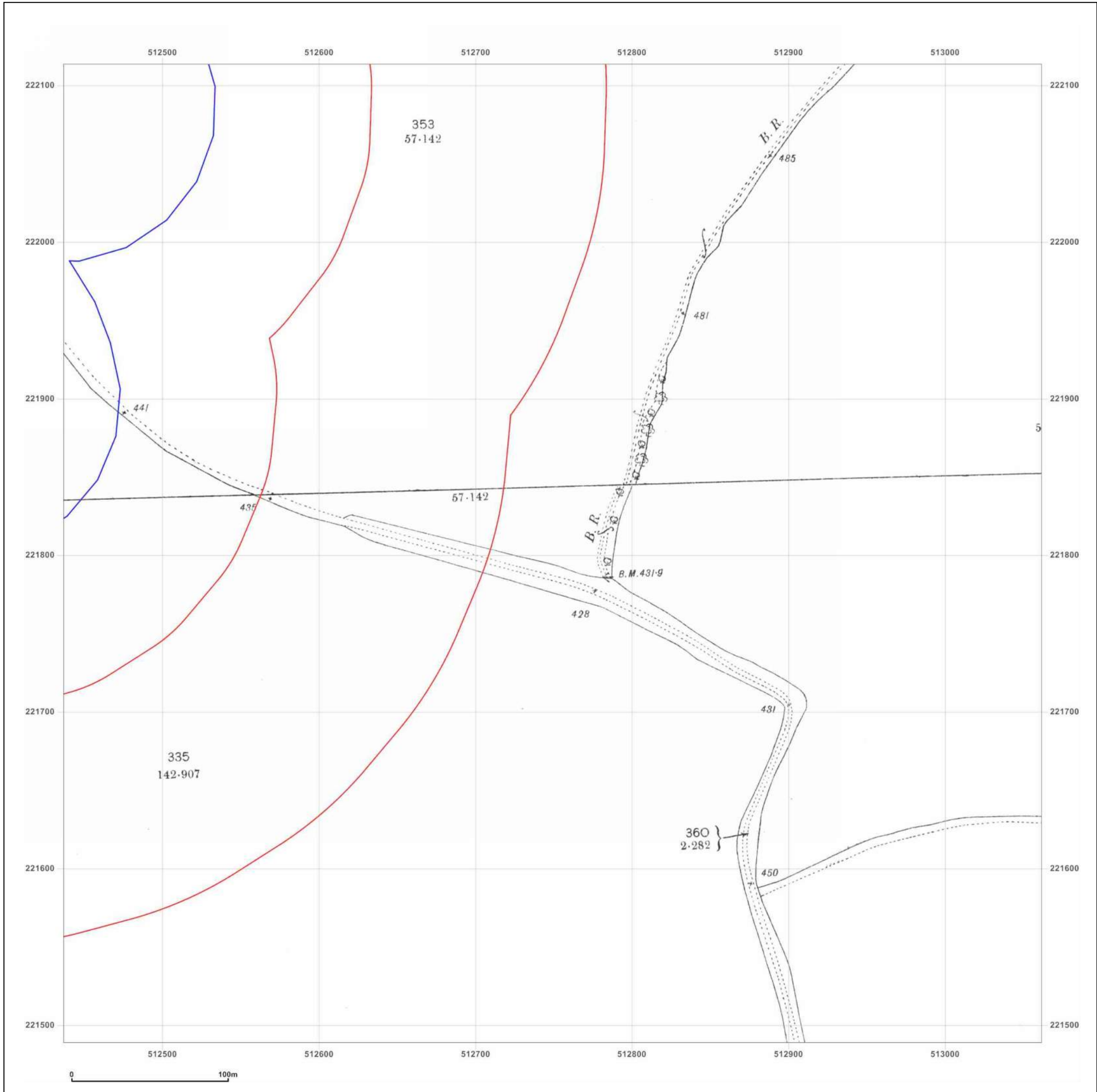
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Report Ref: GSIP-2020-10588-3214_LS_4_3
Grid Ref: 512749, 221801

Map Name: County Series

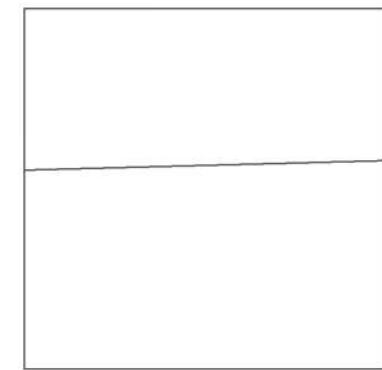
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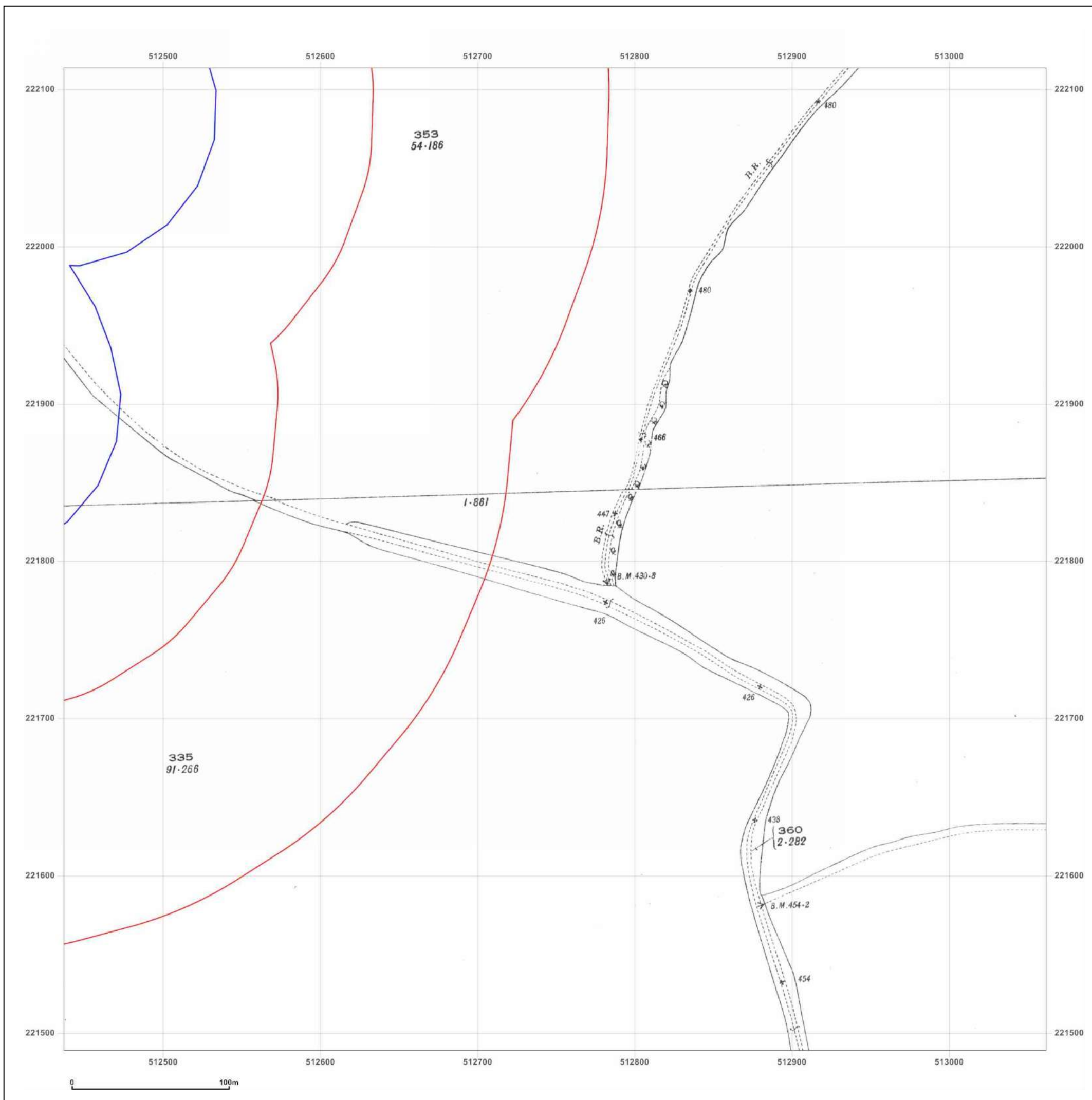


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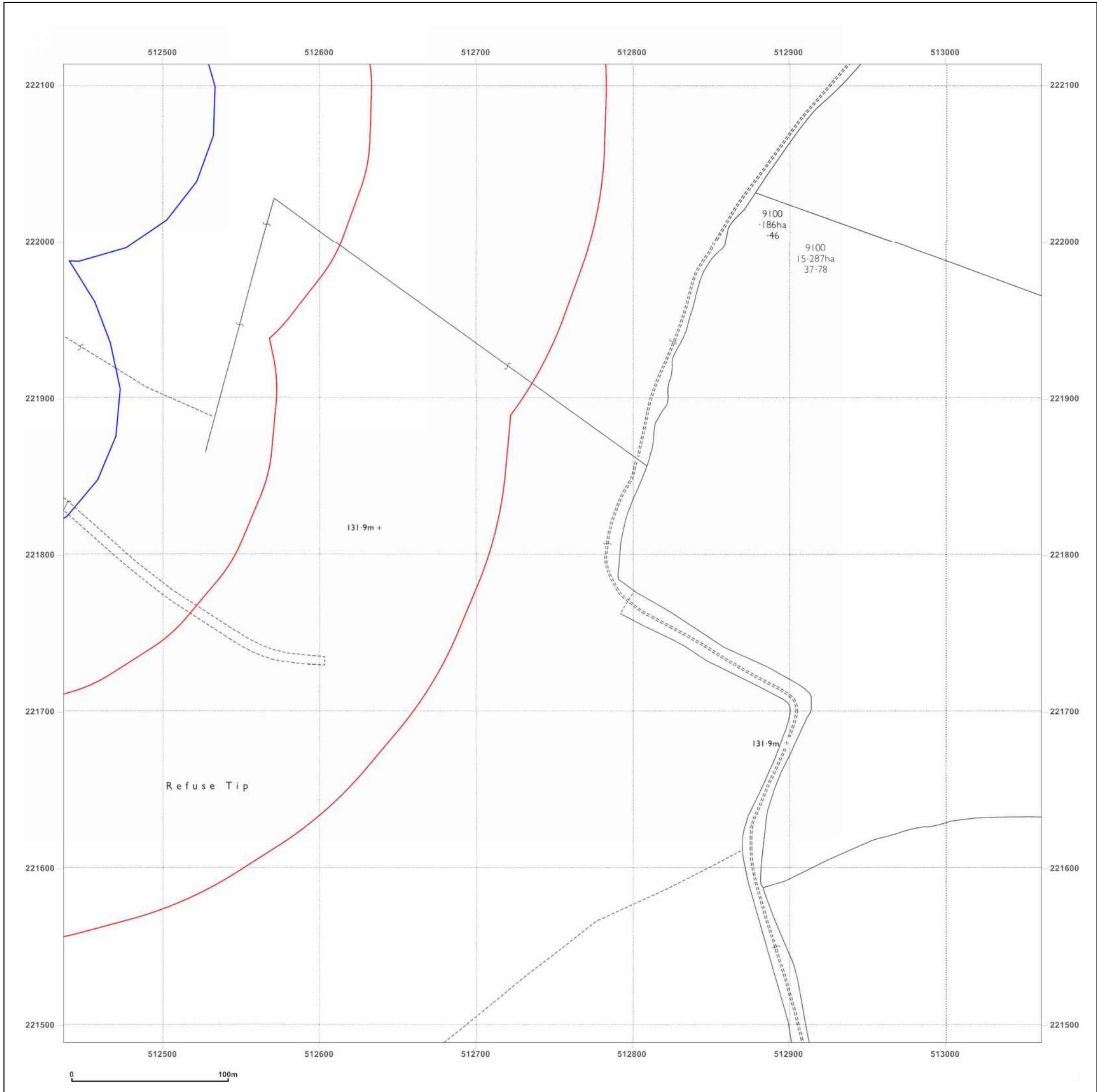
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Map Name: National Grid

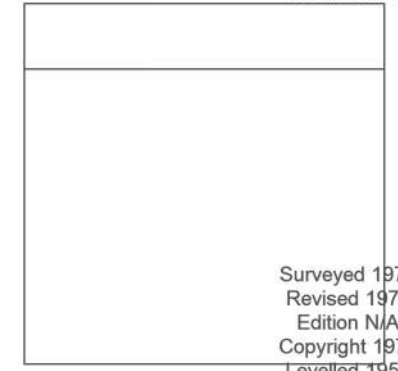
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Report Ref: GSIP-2020-10588-3214_LS_4_3
Grid Ref: 512749, 221801

Map Name: National Grid

Map date: 1990-1993

Scale: 1:2,500

Printed at: 1:2,500



<p>Surveyed 1958 Revised 1990 Edition N/A Copyright 1990 Levelled 1958</p>	<p>Surveyed N/A Revised 1992 Edition N/A Copyright 1993 Levelled N/A</p>
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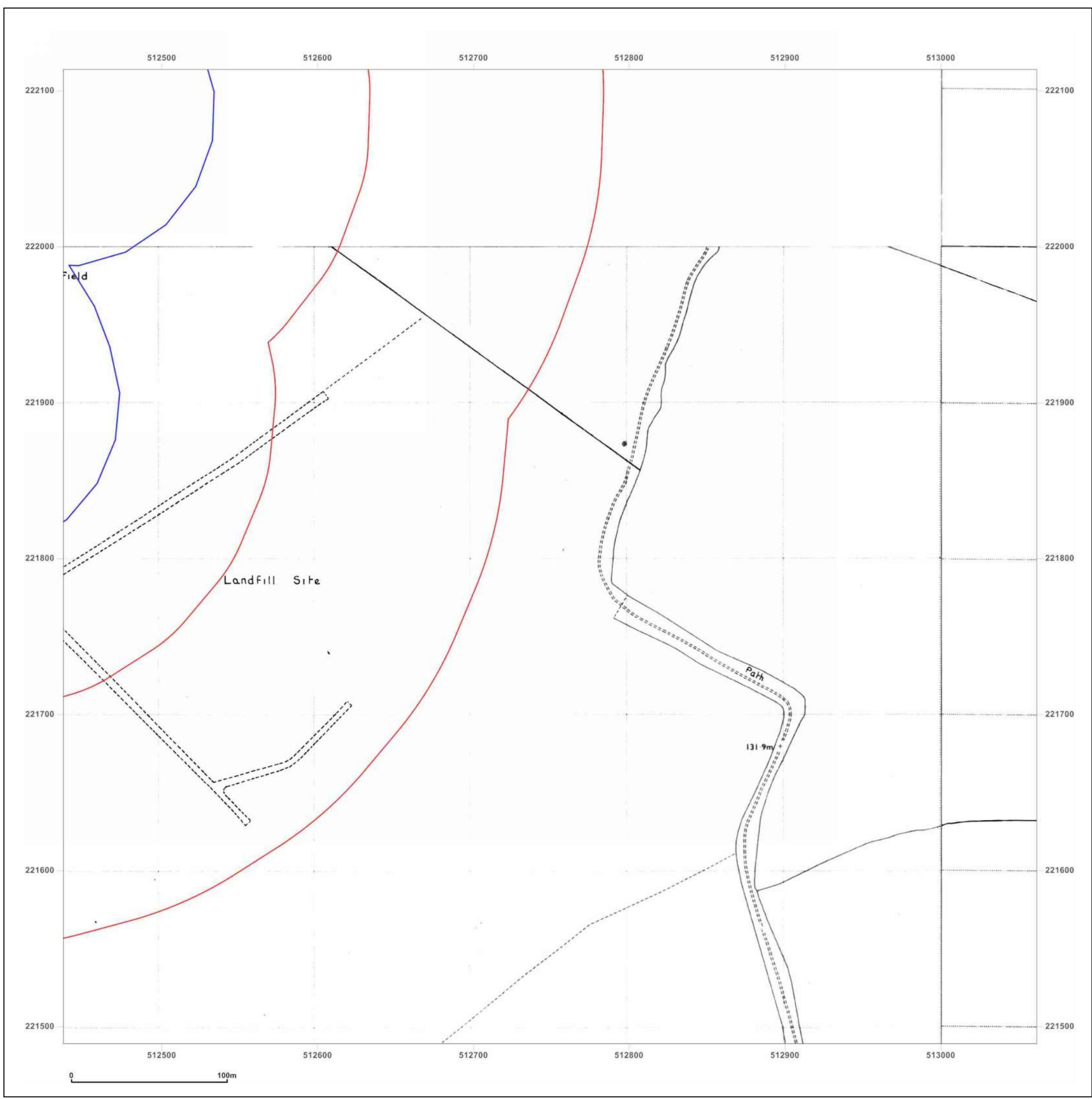


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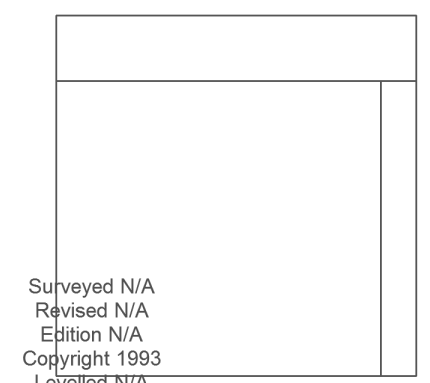
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Grid Ref: 512749, 221801

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

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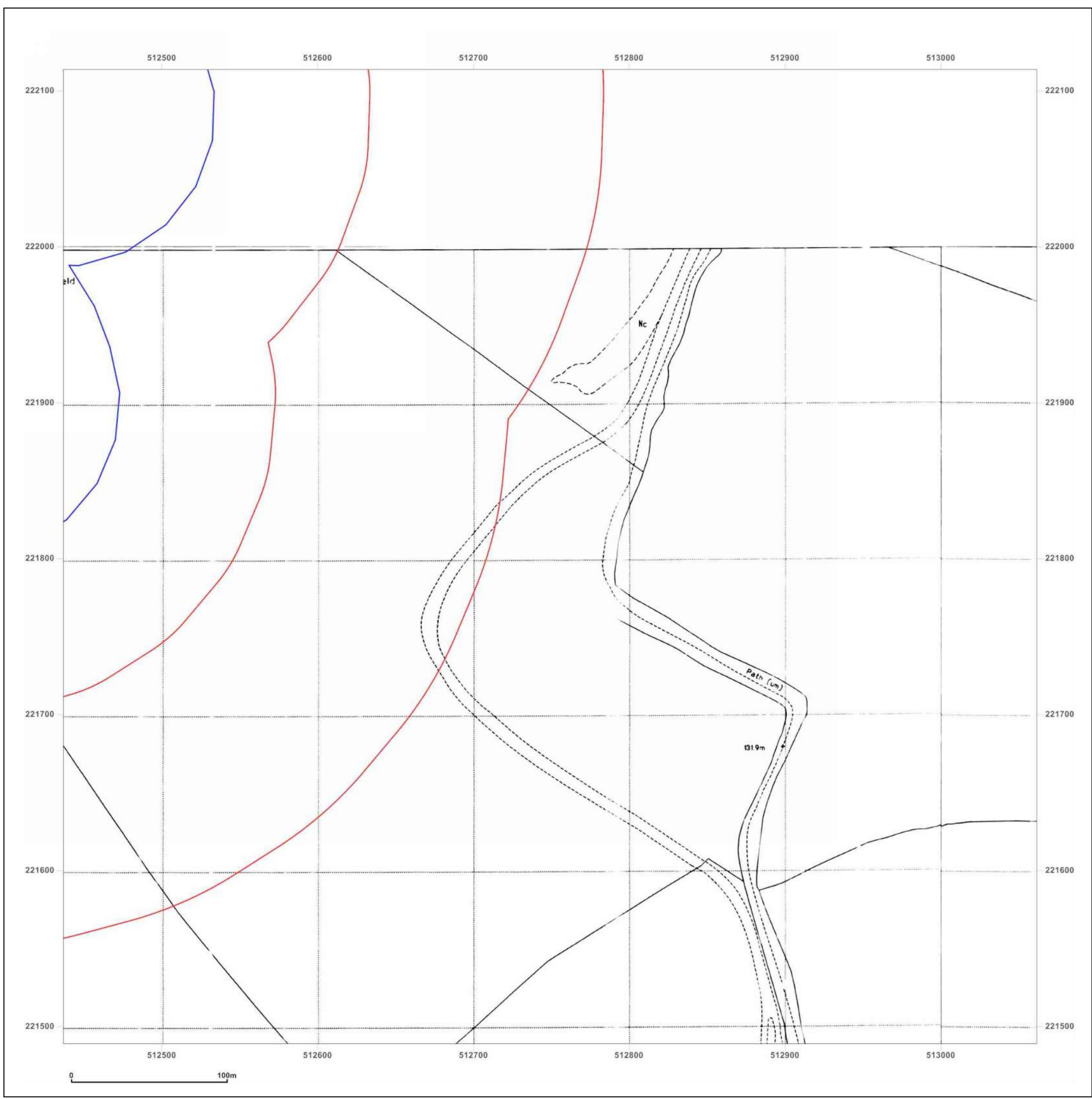


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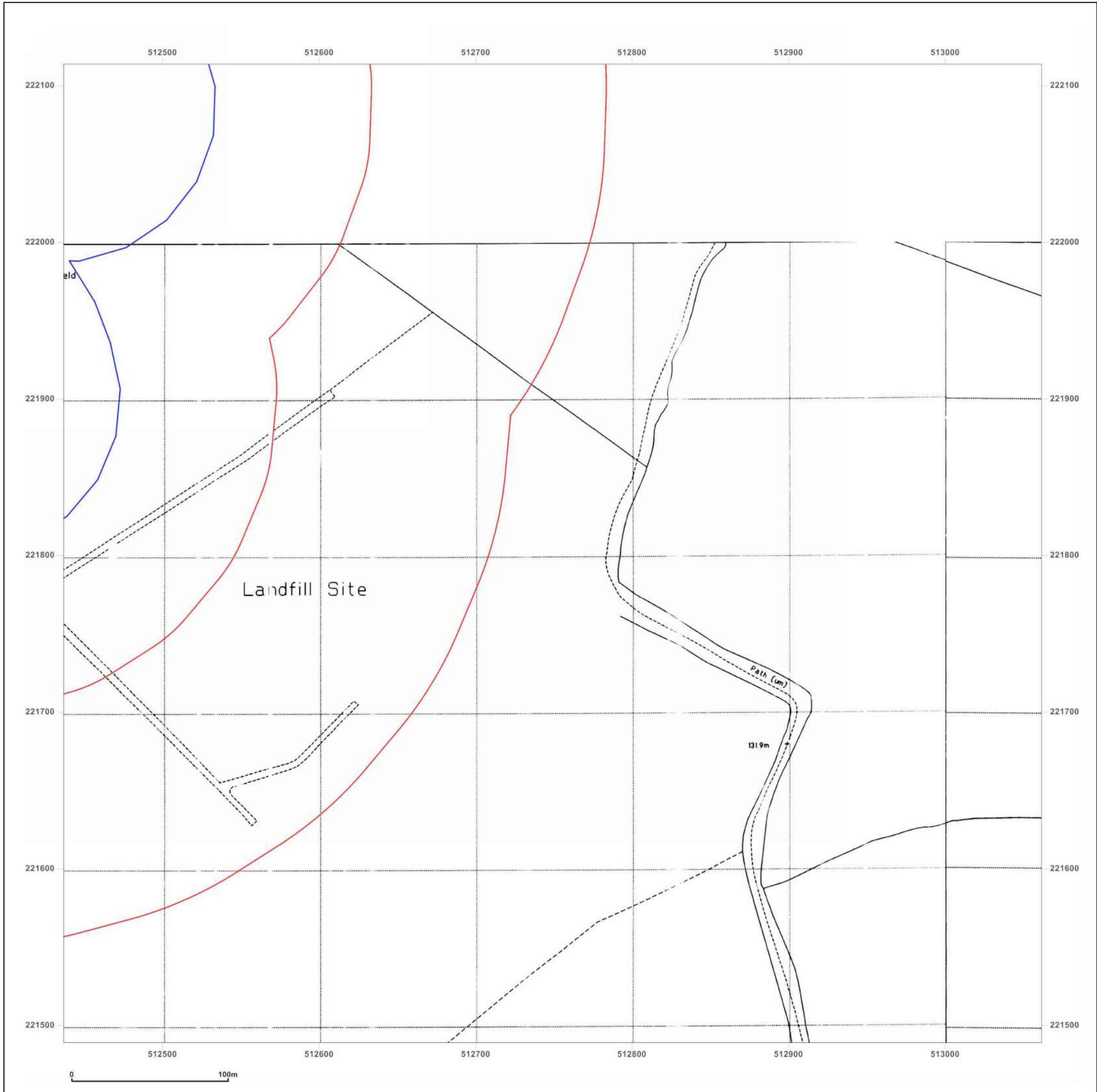
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Report Ref: GSIP-2020-10588-3214_LS_4_3
Grid Ref: 512749, 221801

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

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Site Details:

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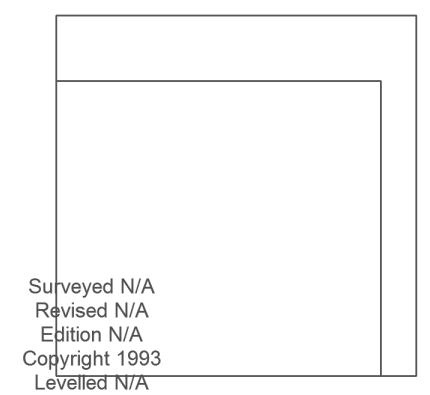
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Report Ref: GSIP-2020-10588-3214_LS_4_3
Grid Ref: 512749, 221801

Map Name: National Grid

Map date: 1993

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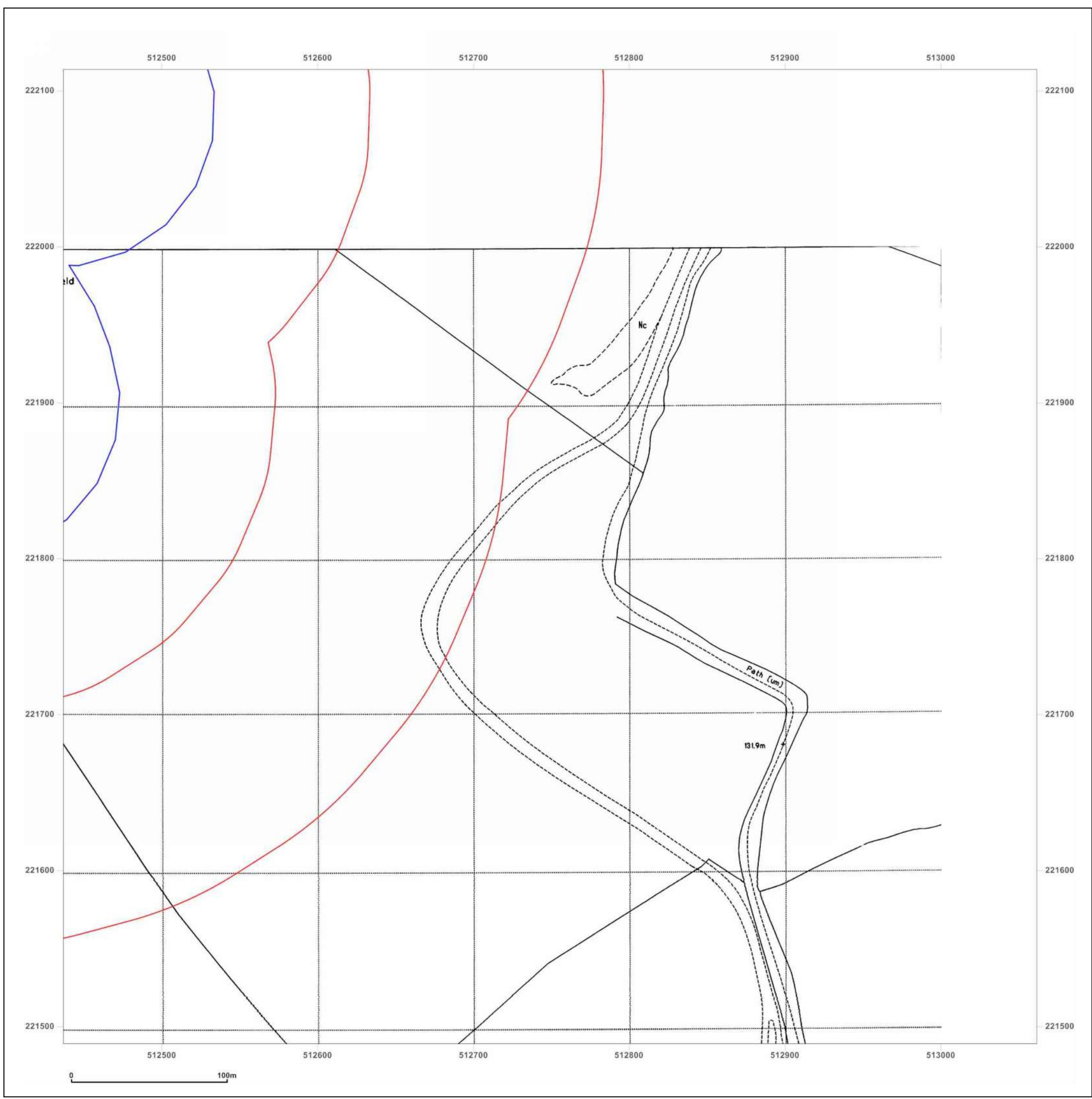


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_4_4
Grid Ref: 512749, 222427

Map Name: County Series

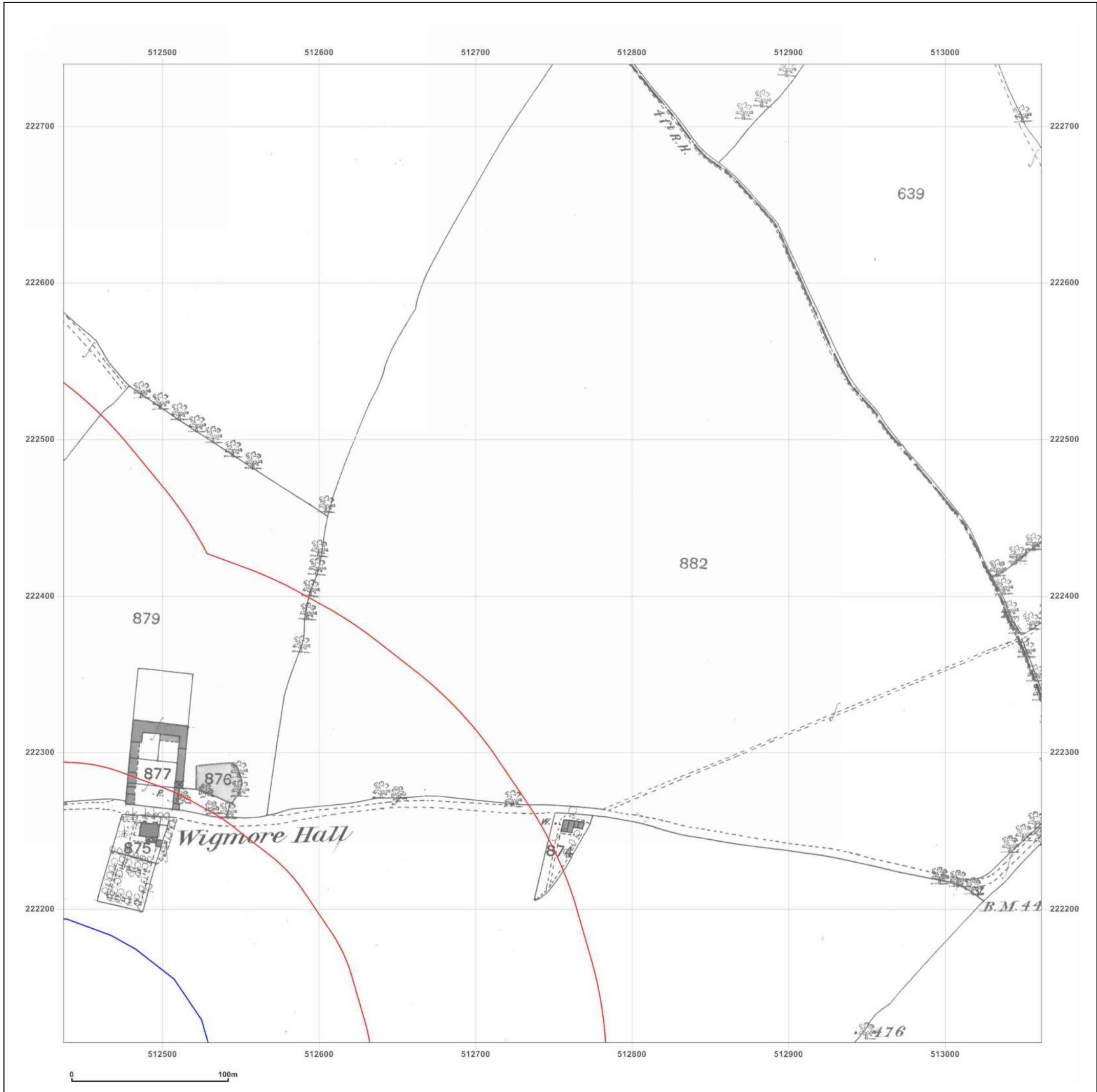
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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_4_4
Grid Ref: 512749, 222427

Map Name: County Series

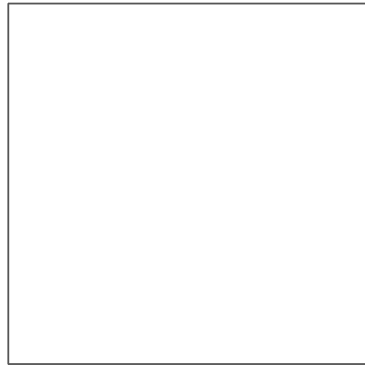
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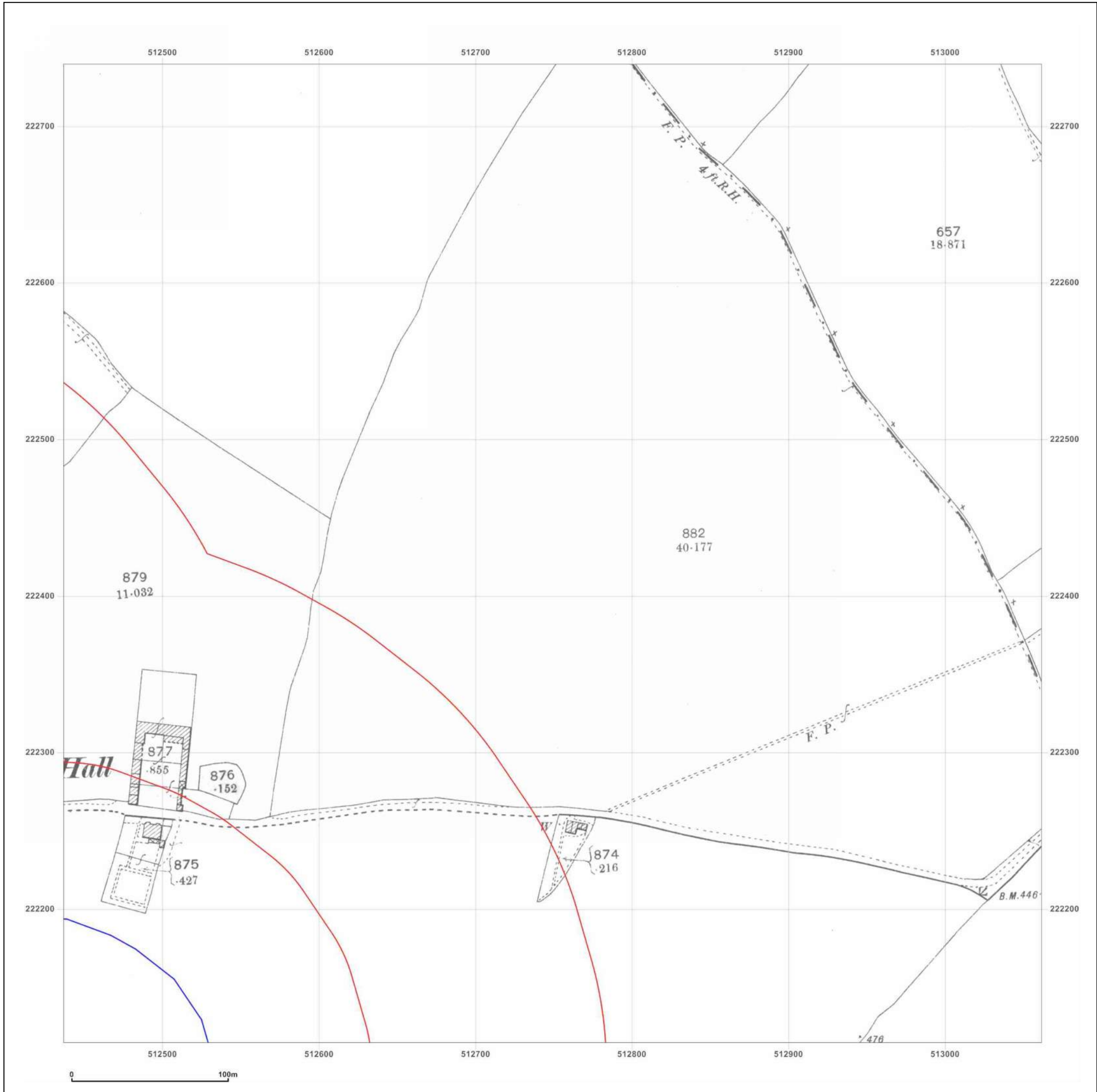
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Site Details:

Proposed Link Road - CPAR

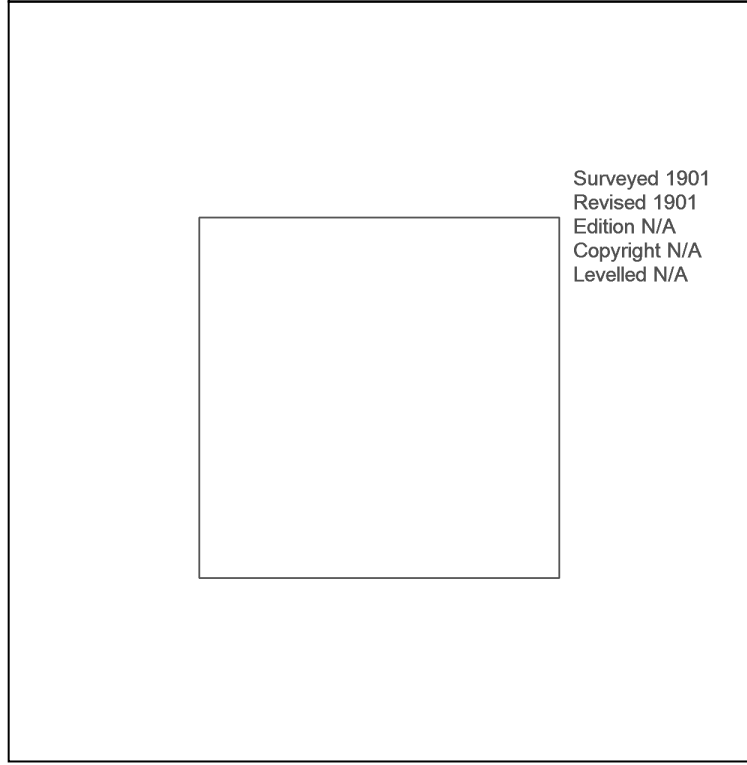
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Report Ref: GSIP-2020-10588-3214_LS_4_4
Grid Ref: 512749, 222427

Map Name: County Series

Map date: 1901

Scale: 1:2,500

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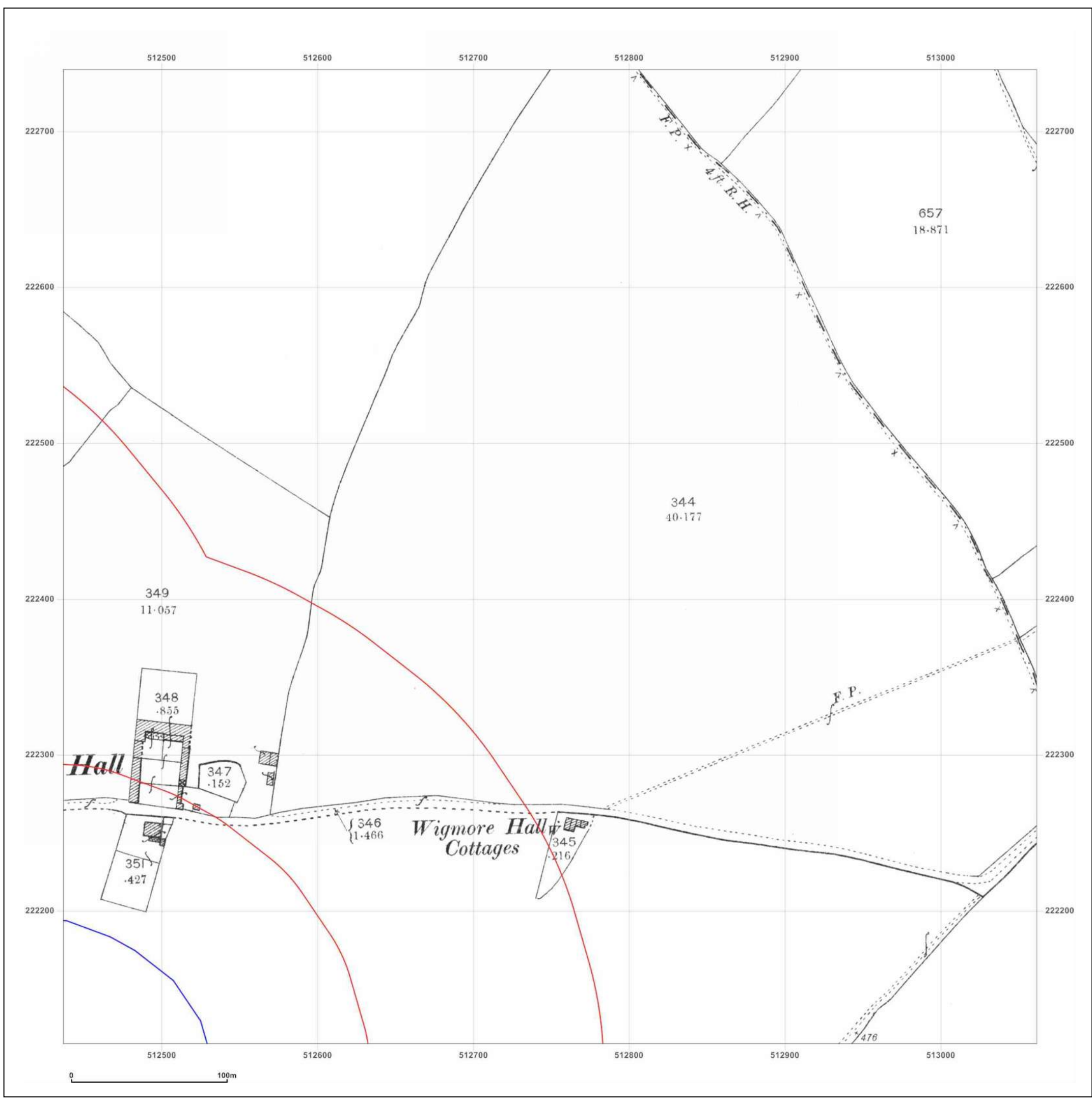


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Site Details:

Proposed Link Road - CPAR

Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_4_4
Grid Ref: 512749, 222427

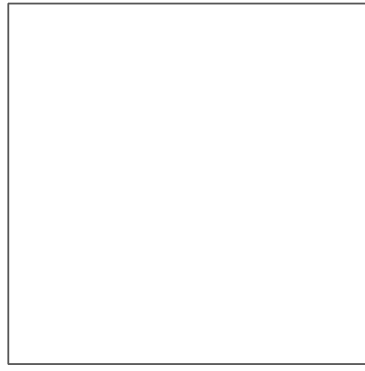
Map Name: County Series

Map date: 1924

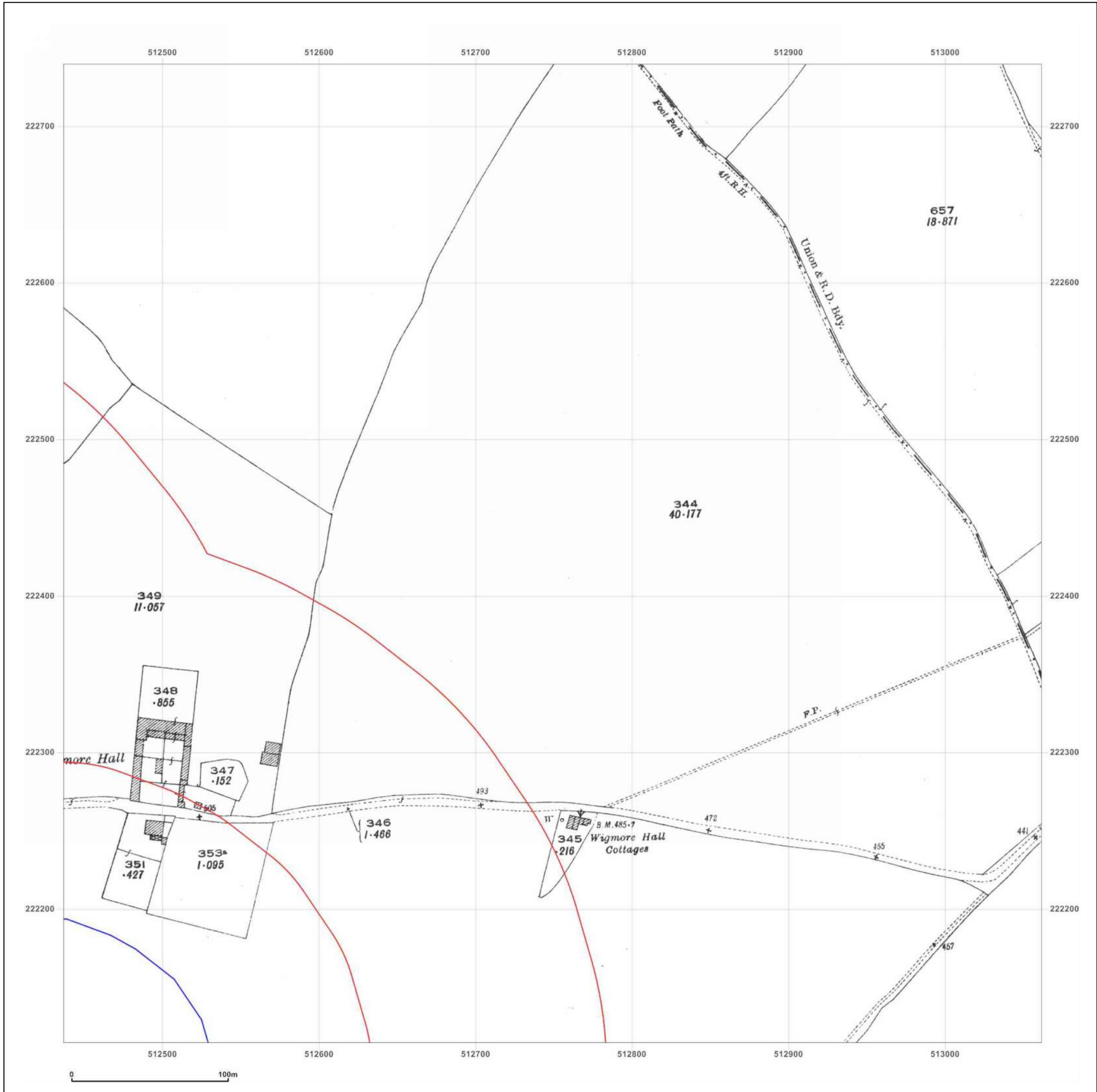
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Site Details:

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Client Ref: Proposed Link Road - CPAR
Report Ref: GSIP-2020-10588-3214_LS_4_4
Grid Ref: 512749, 222427

Map Name: National Grid

Map date: 1971

Scale: 1:2,500

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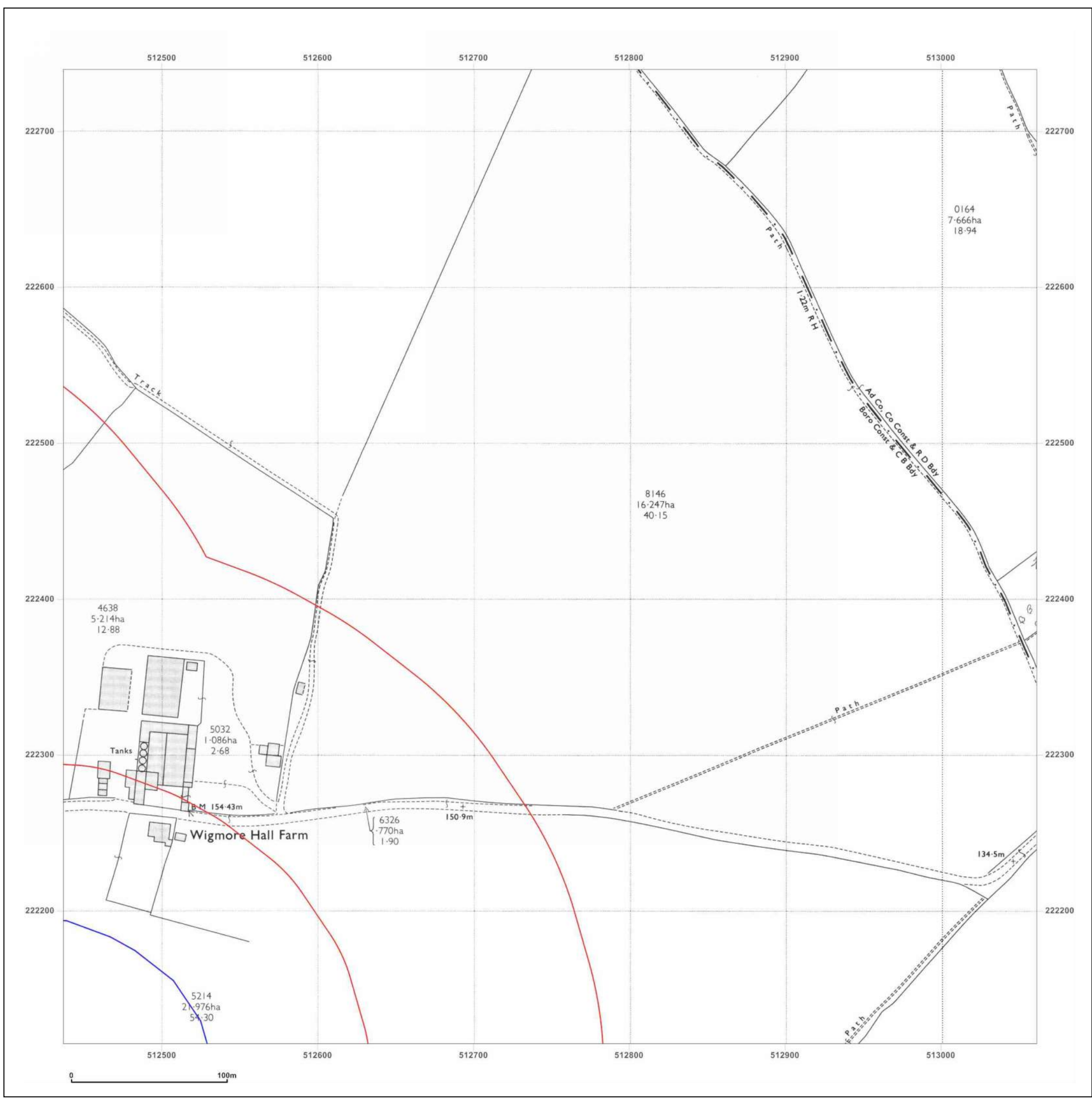


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A4 Off-site Car Parks (Areas D and E)



Groundsure

LOCATION INTELLIGENCE

Ove Arup & Partners International Ltd
OVE ARUP & PARTNERS, BLYTHE GATE,
SOLIHULL, B90 8AE

Groundsure Reference: GS-4640548

Your Reference: 245580-00_Trailer_Park

Report Date 5 Jan 2018

Report Delivery Method: Email - pdf

Geo Insight

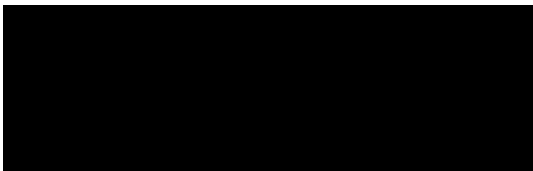
Address: 510890, 220475,

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Geo Insight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,



Managing Director
Groundsure Limited

Enc.
Groundsure Geo Insight

Address: 510890, 220475,
Date: 5 Jan 2018
Reference: GS-4640548
Client: Ove Arup & Partners International Ltd

NW N NE



SW S SE

Aerial Photograph Capture date: 01-Jun-2014
Grid Reference: 510849,220474
Site Size: 5.40ha

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Overview of Findings

The Groundsure Geo Insight provides high quality geo-environmental information that allows geo-environmental professionals and their clients to make informed decisions and be forewarned of potential ground instability problems that may affect the ground investigation, foundation design and possibly remediation options that could lead to possible additional costs.

The report is based on the BGS 1:50,000 and 1:10,000 Digital Geological Map of Great Britain, BGS Geosure data; BRITPITS database; Non-coal mining data and Borehole Records, Coal Authority data including brine extraction areas, PBA non-coal mining and natural cavities database, Johnson Poole and Bloomer mining data and Groundsure's unique database including historical surface ground and underground workings.

For further details on each dataset, please refer to each individual section in the report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1: Geology 1:10,000 Scale

1.1 Artificial Ground	1.1 Is there any Artificial Ground/ Made Ground present beneath the study site at 1:10,000 scale?	Yes
1.2 Superficial Geology and Landslips	1.2.1 Is there any Superficial Ground/Drift Geology present beneath the study site at 1:10,000 scale?*	No
	1.2.2 Are there any records of landslip within 500m of the study site boundary at 1:10,000 scale?	No
1.3 Bedrock, Solid Geology and linear features	1.3.1 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.	
	1.3.2 Are there any records of linear features within 500m of the study site boundary at 1:10,000 scale?	No

Section 2: Geology 1:50,000 Scale

2.1 Artificial Ground	2.1.1 Is there any Artificial Ground/ Made Ground present beneath the study site?	Yes
	2.1.2 Are there any records relating to permeability of artificial ground within the study site*boundary?	Yes
2.2 Superficial Geology and Landslips	2.2.1 Is there any Superficial Ground/Drift Geology present beneath the study site?*	No
	2.2.2 Are there any records of permeability of superficial ground within 500m of the study site?	No
	2.2.3 Are there any records of landslip within 500m of the study site boundary?	No
	2.2.4 Are there any records relating to permeability of landslips within the study site* boundary?	No

Section 2: Geology 1:50,000 Scale

2.3 Bedrock, Solid Geology and linear features

2.3.1 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.

2.3.2 Are there any records relating to permeability of bedrock ground within the study site boundary?

Yes

2.3.3 Are there any records of linear features within 500m of the study site boundary?

No

Section 3: Radon

3. Radon

3.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?

The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

3.2 Radon Protection

No radon protective measures are necessary.

Section 4: Ground Workings

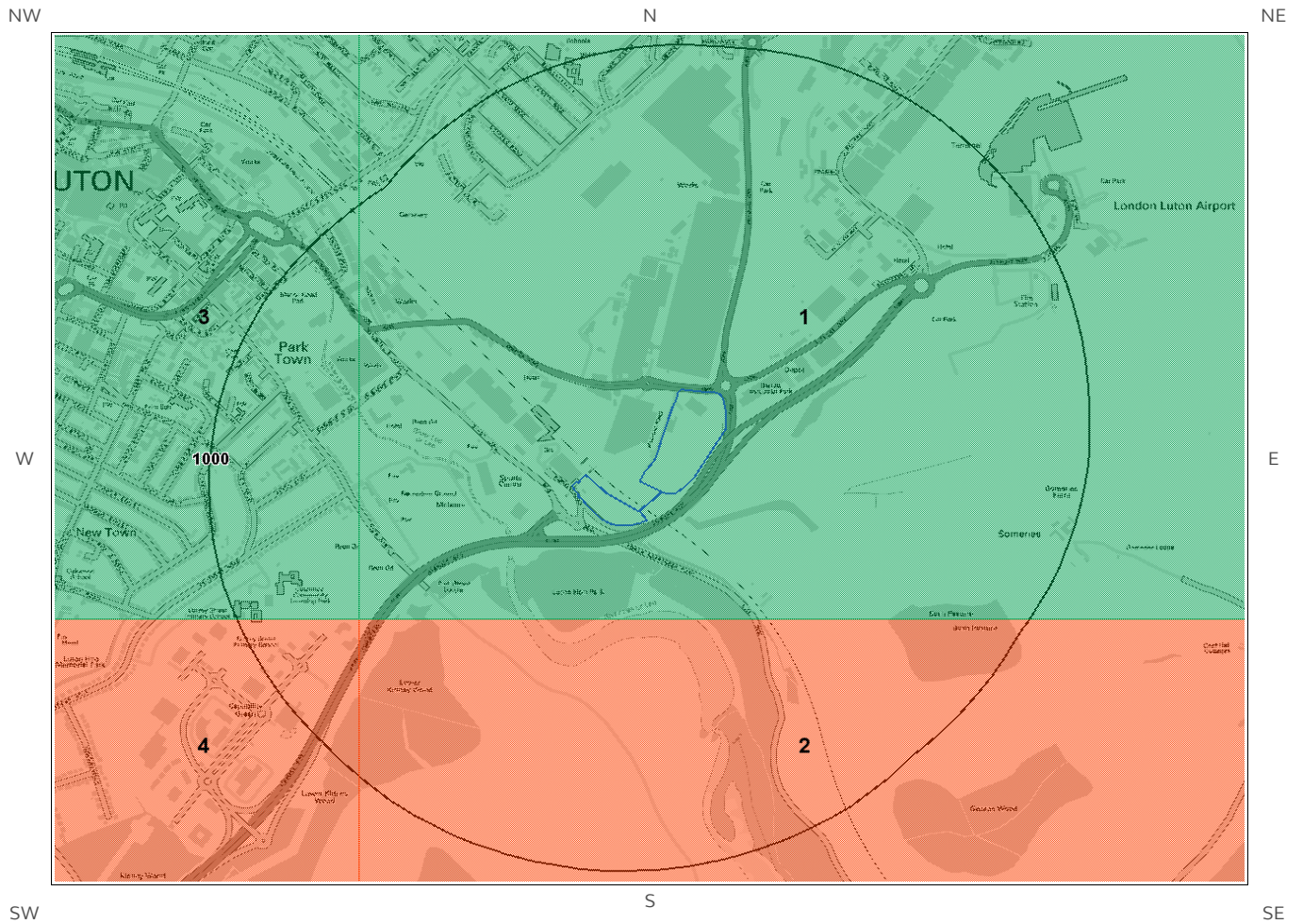
	On-site	0-50m	51-250	251-500	501-1000
4.1 Historical Surface Ground Working Features from Small Scale Mapping	11	11	27	Not Searched	Not Searched
4.2 Historical Underground Workings from Small Scale Mapping	0	0	0	0	0
4.3 Current Ground Workings	0	0	0	0	1

Section 5: Mining, Extraction & Natural Cavities

	On-site	0-50m	51-250	251-500	501-1000
5.1 Historical Mining	0	0	0	0	0
5.2 Coal Mining	0	0	0	0	0
5.3 Johnson Poole and Bloomer Mining Area	0	0	0	0	0
5.4 Non-Coal Mining*	1	0	0	4	3
5.5 Non-Coal Mining Cavities	0	0	0	0	0
5.5 Natural Cavities	1	1	0	0	1

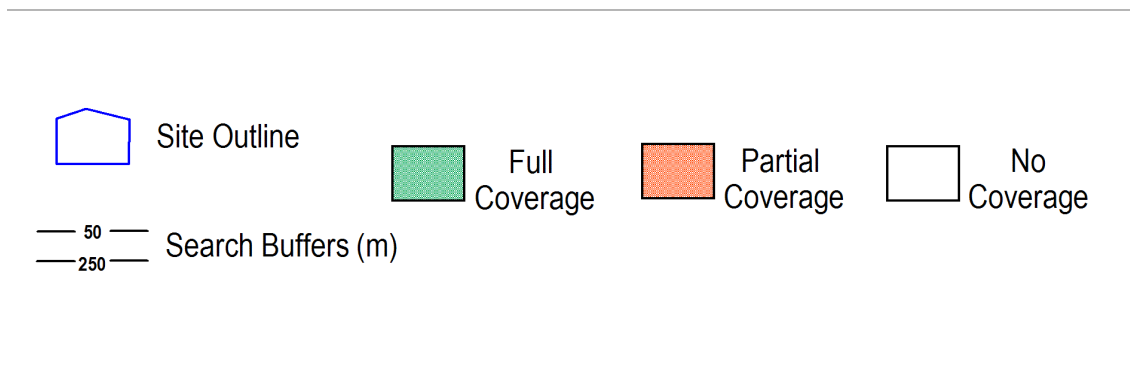
Section 5: Mining, Extraction & Natural Cavities	On-site	0-50m	51-250	251-500	501-1000
5.6 Brine Extraction	0	0	0	0	0
5.7 Gypsum Extraction	0	0	0	0	0
5.8 Tin Mining	0	0	0	0	0
5.9 Clay Mining	0	0	0	0	0
Section 6: Natural Ground Subsidence	On-site				
6.1 Shrink-Swell Clay	Negligible				
6.2 Landslides	Very Low				
6.3 Ground Dissolution of Soluble Rocks	Very Low				
6.4 Compressible Deposits	Very Low				
6.5 Collapsible Deposits	Very Low				
6.5 Running Sand	Very Low				
Section 7: Borehole Records	On-site	0-50m	51-250		
7 BGS Recorded Boreholes	0	6	56		
Section 8: Estimated Background Soil Chemistry	On-site	0-50m	51-250		
8 Records of Background Soil Chemistry	3	8	0		
Section 9: Railways and Tunnels	On-site	0-50m	51-250	250-500	
9.1 Tunnels	0	0	0	Not Searched	
9.2 Historical Railway and Tunnel Features	2	3	27	Not Searched	
9.3 Historical Railways	0	2	2	Not Searched	
9.4 Active Railways	10	0	2	Not Searched	
9.5 Railway Projects	0	0	0	0	

1:10,000 Scale Availability



1_10,000 Availability Legend

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Availability of 1:10,000 Scale Geology Mapping

The following information represents the availability of the key components of the 1:10,000 scale geological data.

ID	Distance	Artificial Coverage	Superficial Coverage	Bedrock Coverage	Mass Movement Coverage
1	0.0	Some deposits are mapped	Full	Full	No coverage
2	271.0	Some deposits are mapped	Partial	Partial	No coverage
3	587.0	Some deposits are mapped	Full	Full	No coverage
4	701.0	Some deposits are mapped	Partial	Partial	No coverage

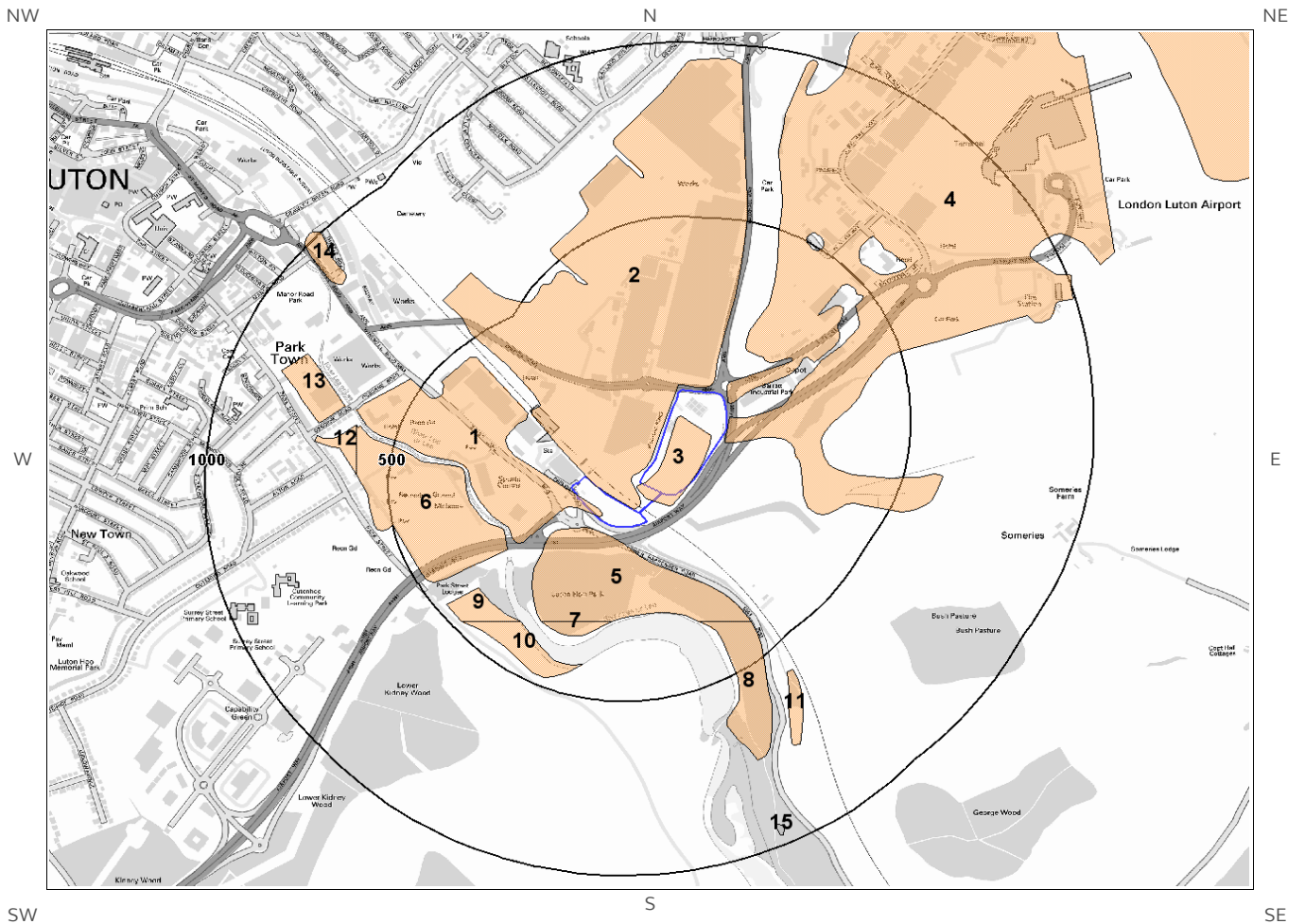
Guidance: The 1:10,000 scale geological interpretation is the most detailed generally available from BGS and is the scale at which most geological surveying is carried out in the field. The database is presented as four types of geology (artificial, mass movement, superficial and bedrock), although not all themes are mapped or available on every map sheet. Therefore a coverage layer showing the availability of the four themes is presented above.

The definitions of coverage are as follows:

Geology	Full Coverage	Partial Coverage	No Coverage
Bedrock	The whole tile has been mapped	Some but not all the tile has been mapped	No coverage
Superficial	The whole tile has been mapped	Some but not all of the tile has been mapped	No coverage
Artificial	Some deposits are mapped on this tile	-	No deposits are mapped
Mass Movement	Some deposits are mapped on this tile	-	No coverage

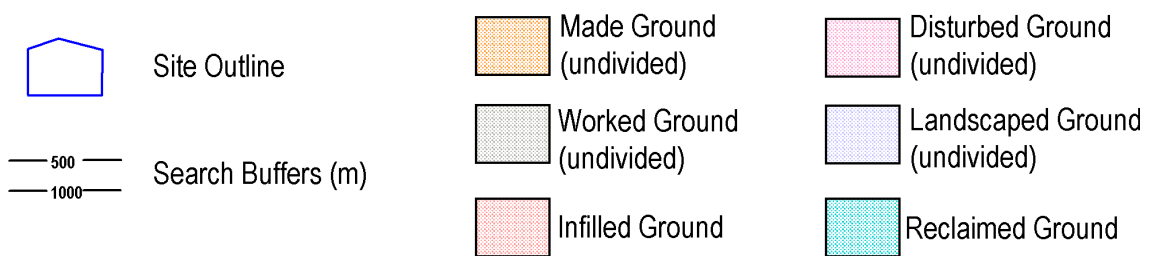
1 Geology (1:10,000 scale).

1.1 Artificial Ground map (1:10,000 scale)



Artificial Ground Legend

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1. Geology 1:10,000 scale

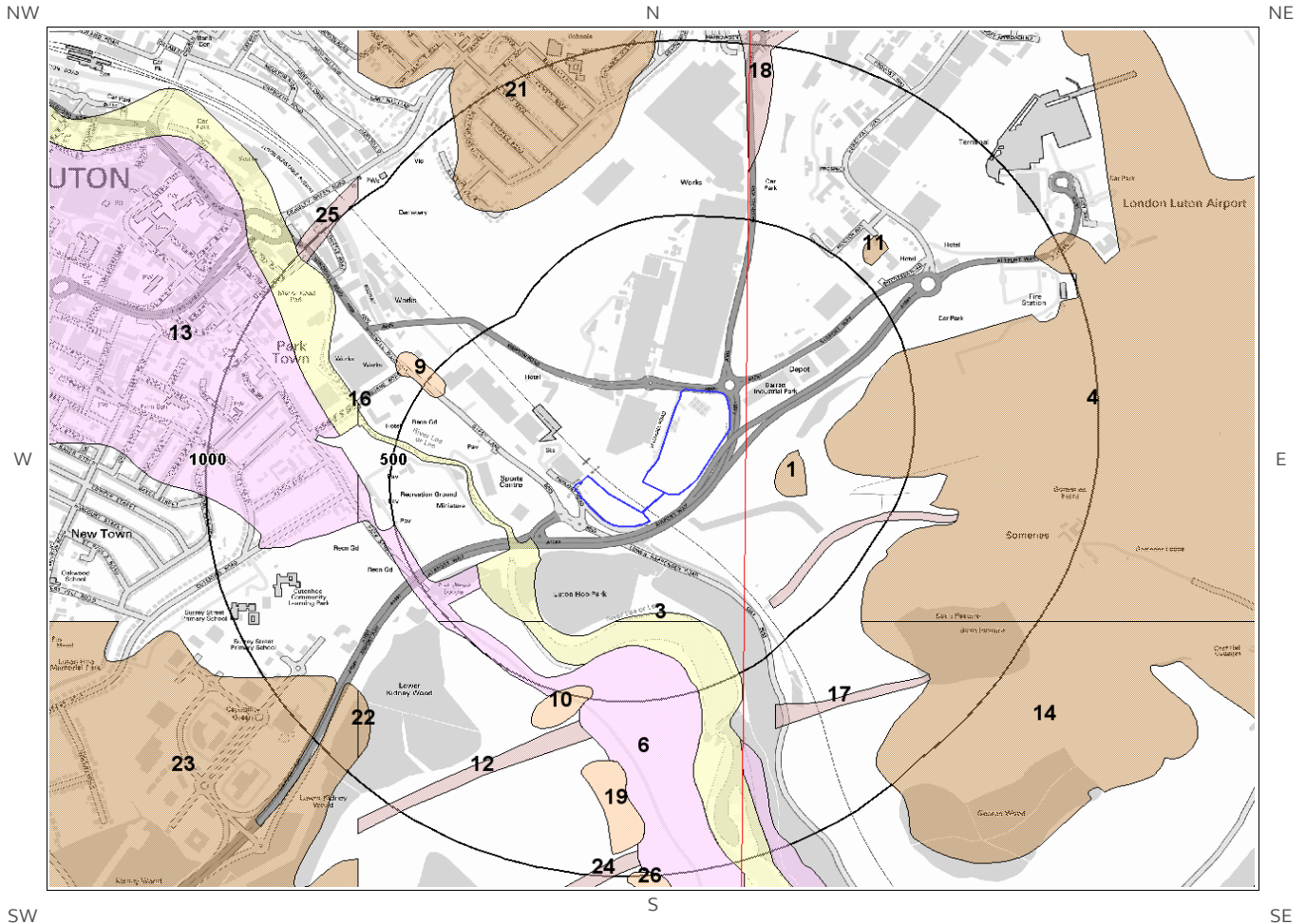
1.1 Artificial Ground

The following geological information represented on the mapping is derived from 1:10,000 scale BGS Geological mapping.

Are there any records of Artificial/ Made Ground within 500m of the study site boundary at 1:10,000 scale? Yes


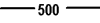

ID	Distance	Direction	LEX Code	Description	Rock Description
1	0.0	On Site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	0.0	On Site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	0.0	On Site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	2.0	E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	28.0	SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	222.0	SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	272.0	S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	320.0	SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	363.0	SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
10	364.0	SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

1.2 Superficial Deposits and Landslips map (1:10,000 scale)



Artificial Ground Legend

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-  Site Outline
-  500 Search Buffers (m)
-  1000 Search Buffers (m)

1.2 Superficial Deposits and Landslips

The following geological information represented on the mapping is derived from 1:10,000 scale BGS Geological mapping

1.2.1 Superficial Deposits/ Drift Geology

Are there any records of Superficial Deposits/ Drift Geology within 500m of the study site boundary at 1:10,000 scale? Yes

ID	Distance (m)	Direction	LEX Code	Description	Rock Description
1	167.0	SE	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton
2	178.0	SW	ALV-XCZS	Alluvium - Clay, Silt And Sand	Clay, Silt And Sand
3	252.0	S	ALV-XCZS	Alluvium - Clay, Silt And Sand	Clay, Silt And Sand
4	258.0	E	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton
5A	271.0	S	ALV-XCZS	Alluvium - Clay, Silt And Sand	Clay, Silt And Sand
6	339.0	S	GFDU-XSV	Glaciofluvial Deposits - Sand And Gravel	Sand And Gravel
7	340.0	SW	GFDU-XSV	Glaciofluvial Deposits - Sand And Gravel	Sand And Gravel
8	377.0	SE	HEAD-DMTN	Head - Diamicton	Diamicton
9	444.0	NW	RTD1-XSV	River Terrace Deposits, 1 - Sand And Gravel	Sand And Gravel
10	466.0	S	RTD1-XSV	River Terrace Deposits, 1 - Sand And Gravel	Sand And Gravel

1.2.2 Landslip

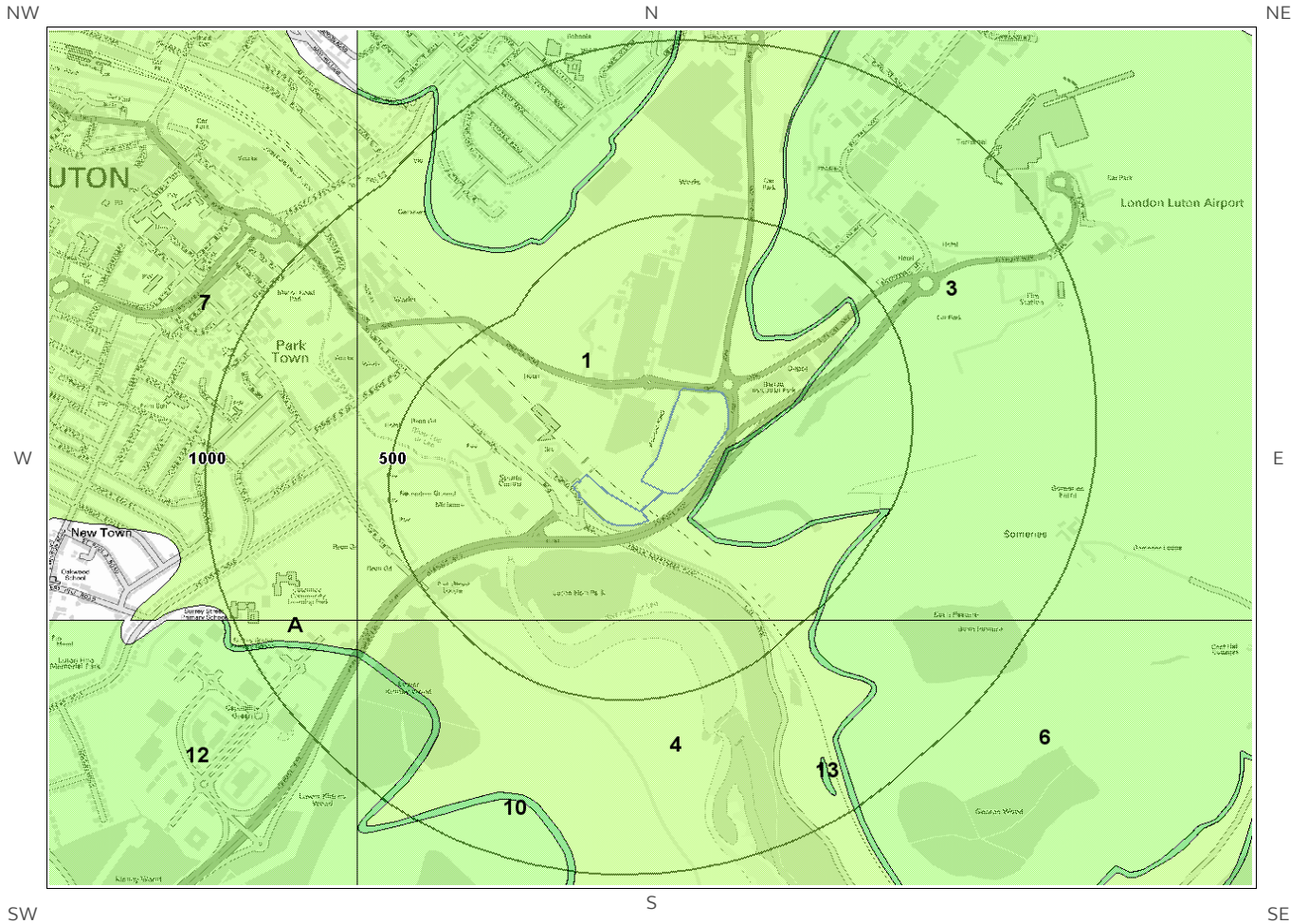
Are there any records of Landslip within 500m of the study site boundary at 1:10,000 scale? No

Database searched and no data found.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:10,000 scale

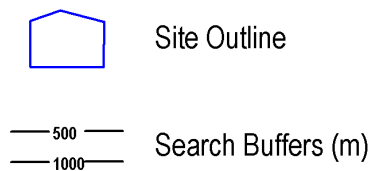
This Geology shows the main components as discrete layers, these are: Artificial / Made Ground, Superficial / Drift Geology and Landslips. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

1.3 Bedrock and linear features map (1:10,000 scale)



Bedrock and linear features Legend

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1.3 Bedrock and linear features

The following geological information represented on the mapping is derived from 1:10,000 scale BGS Geological mapping.

1.3.1 Bedrock/ Solid Geology

Records of Bedrock/Solid Geology within 500m of the study site boundary at 1:10,000 scale.

ID	Distance (m)	Direction	LEX Code	Description	Rock Age
1	0.0	On Site	HNCK-CHLK	Holywell Nodular Chalk Formation And New Pit Chalk Formation (undifferentiated) - Chalk	Turonian Age - Cenomanian Age
2	24.0	SE	CKR-CHLK	Chalk Rock Member - Chalk	Turonian Age
3	37.0	SE	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age
4	271.0	S	HNCK-CHLK	Holywell Nodular Chalk Formation And New Pit Chalk Formation (undifferentiated) - Chalk	Turonian Age - Cenomanian Age

1.3.2 Linear features

Are there any records of linear features within 500m of the study site boundary at 1:10,000 scale? No

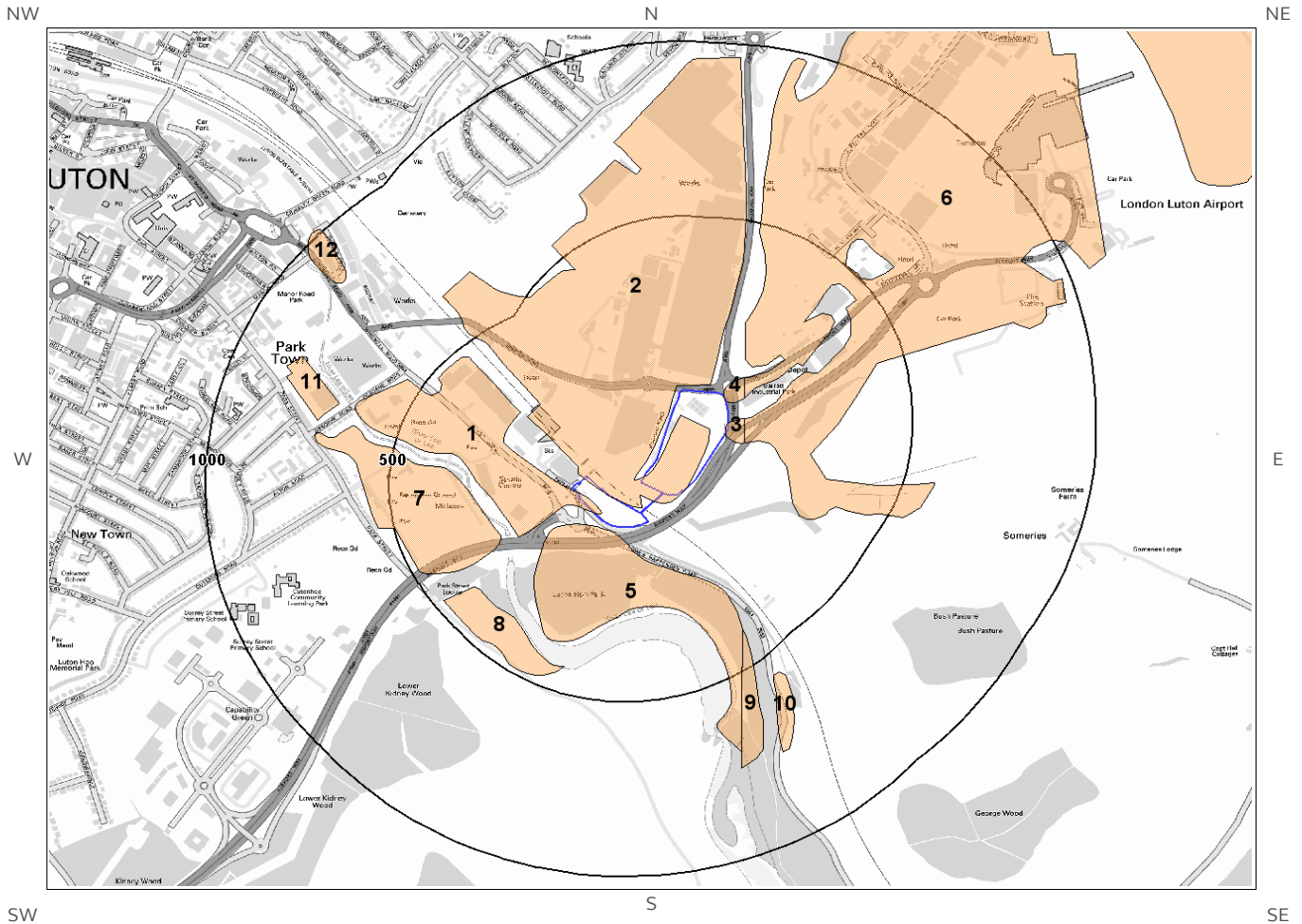
Database searched and no data found at this scale.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of great Britain at 1:10,000 scale.

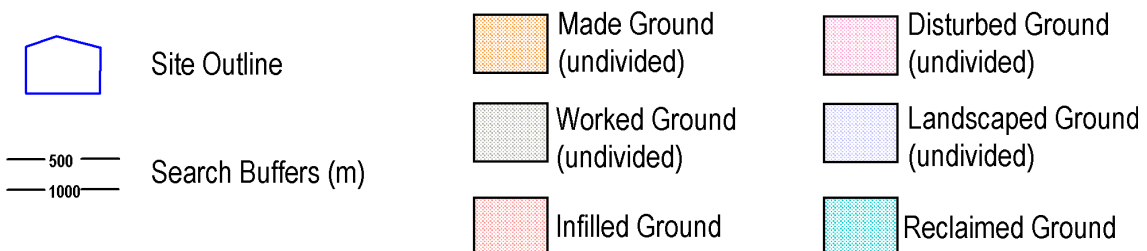
This Geology shows the main components as discrete layers, these are: Bedrock/ Solid Geology and linear features such as faults. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

2 Geology 1:50,000 Scale

2.1 Artificial Ground map



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2. Geology 1:50,000 scale

2.1 Artificial Ground

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No: 220

2.1.1 Artificial/ Made Ground

Are there any records of Artificial/ Made Ground within 500m of the study site boundary? Yes

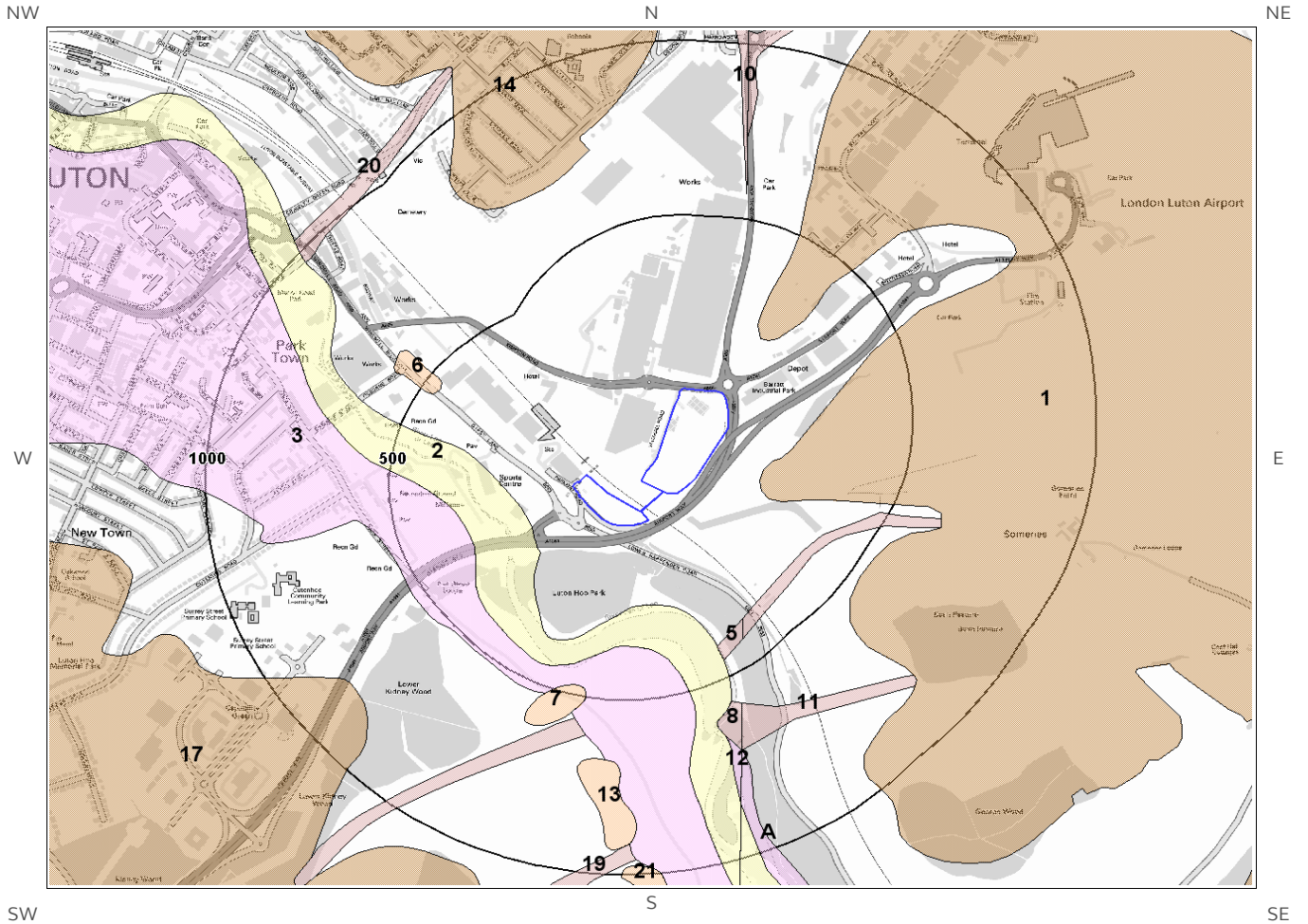
ID	Distance (m)	Direction	LEX Code	Description	Rock Description
1	0.0	On Site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	0.0	On Site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	0.0	On Site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	0.0	On Site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
5	16.0	S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
6	43.0	E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
7	238.0	SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
8	367.0	SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
9	399.0	SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

2.1.2 Permeability of Artificial Ground

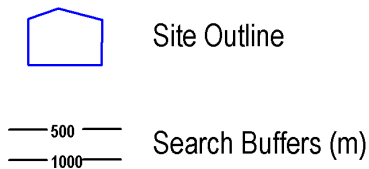
Are there any records relating to permeability of artificial ground within the study site boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Mixed	Very High	Low
0.0	On Site	Mixed	Very High	Low
0.0	On Site	Mixed	Very High	Low
16.0	S	Mixed	Very High	Low

2.2 Superficial Deposits and Landslips map (1:50,000 scale)



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2.2 Superficial Deposits and Landslips

2.2.1 Superficial Deposits/ Drift Geology

Are there any records of Superficial Deposits/ Drift Geology within 500m of the study site boundary? Yes

ID	Distance	Direction	LEX Code	Description	Rock Description
1	143.0	SE	CWF-XCZSV	CLAY-WITH-FLINTS FORMATION	CLAY, SILT, SAND AND GRAVEL
2	153.0	SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	314.0	SW	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL
4	357.0	SE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
5	381.0	SE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
6	455.0	NW	RTD1-XSV	RIVER TERRACE DEPOSITS, 1	SAND AND GRAVEL
7	471.0	S	RTD1-XSV	RIVER TERRACE DEPOSITS, 1	SAND AND GRAVEL

2.2.2 Permeability of Superficial Ground

Are there any records relating to permeability of superficial ground within the study site boundary? No

Database searched and no data found.

2.2.3 Landslip

Are there any records of Landslip within 500m of the study site boundary? No

Database searched and no data found.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:50,000 scale.

This Geology shows the main components as discrete layers, there are: Artificial/ Made Ground, Superficial/ Drift Geology and Landslips. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

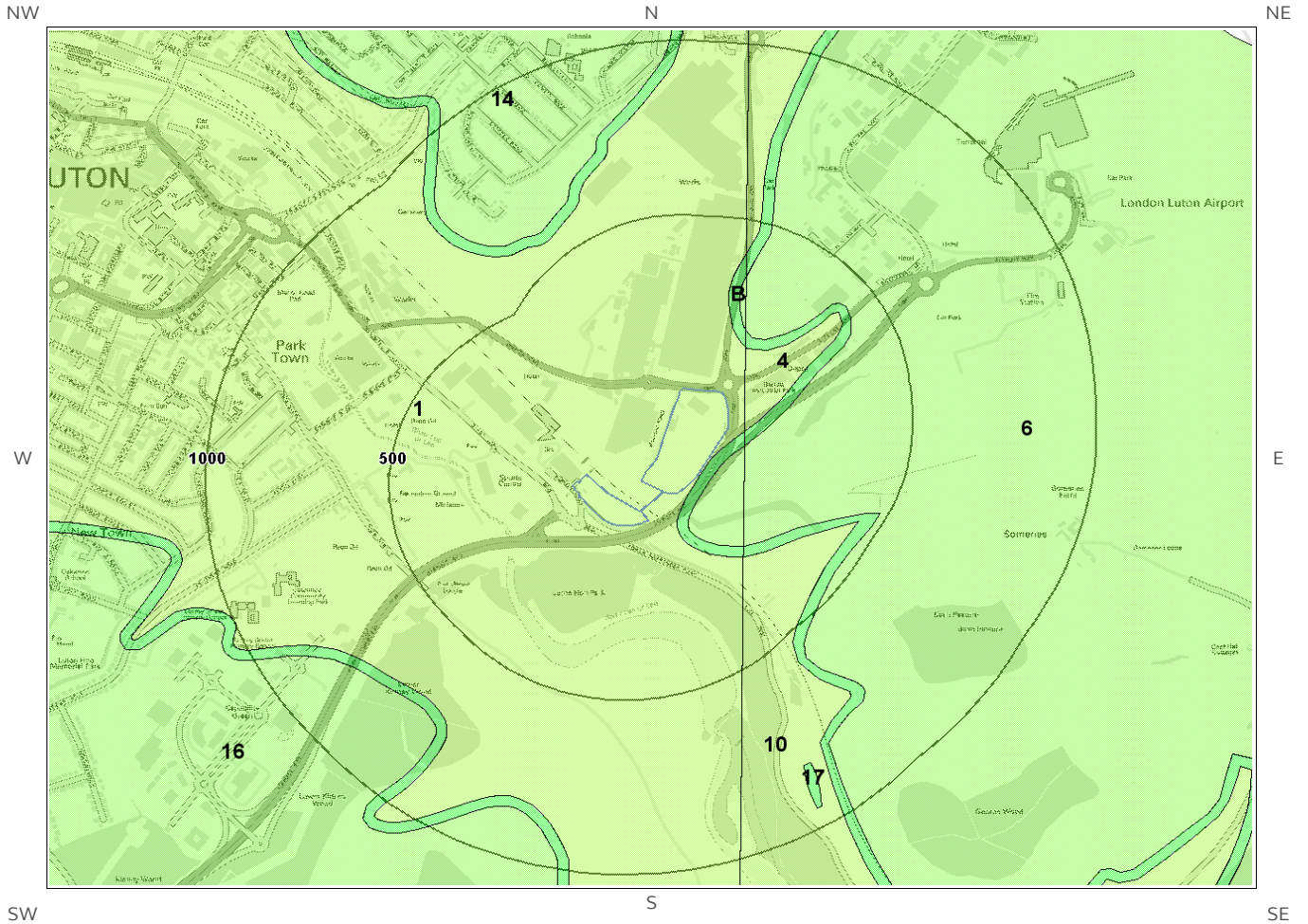
2.2.4 Landslip Permeability

Are there any records relating to permeability of landslips within the study site boundary?

No

Database searched and no data found.

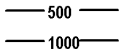
2.3 Bedrock and linear features map (1:50,000 scale)



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Site Outline



Search Buffers (m)

2.3 Bedrock, Solid Geology & linear features

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No: 220

2.3.1 Bedrock/Solid Geology

Records of Bedrock/Solid Geology within 500m of the study site boundary:

ID	Distance	Direction	LEX Code	Rock Description	Rock Age
1	0.0	On Site	HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CENOMANIAN
2A	6.0	SE	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
3A	36.0	SE	LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
4	43.0	E	HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CENOMANIAN
5	45.0	E	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
6	62.0	SE	LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
7B	148.0	NE	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
8B	194.0	NE	LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
9	231.0	SE	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
10	254.0	SE	HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CENOMANIAN
11C	338.0	N	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
12C	404.0	N	HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CENOMANIAN

2.3.2 Permeability of Bedrock Ground

Are there any records relating to permeability of bedrock ground within the study site boundary? Yes

Distance	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Fracture	Very High	Very High
6.0	SE	Fracture	Very High	Very High

Distance	Direction	Flow Type	Maximum Permeability	Minimum Permeability
36.0	SE	Fracture	Very High	Very High

2.3.3 Linear features

Are there any records of linear features within 500m of the study site boundary? No

Database searched and no data found.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:50,000 scale.

This Geology shows the main components as discrete layers, these are: Bedrock/Solid Geology and linear features such as faults. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nation wide coverage.

3 Radon Data

3.1 Radon Affected Areas

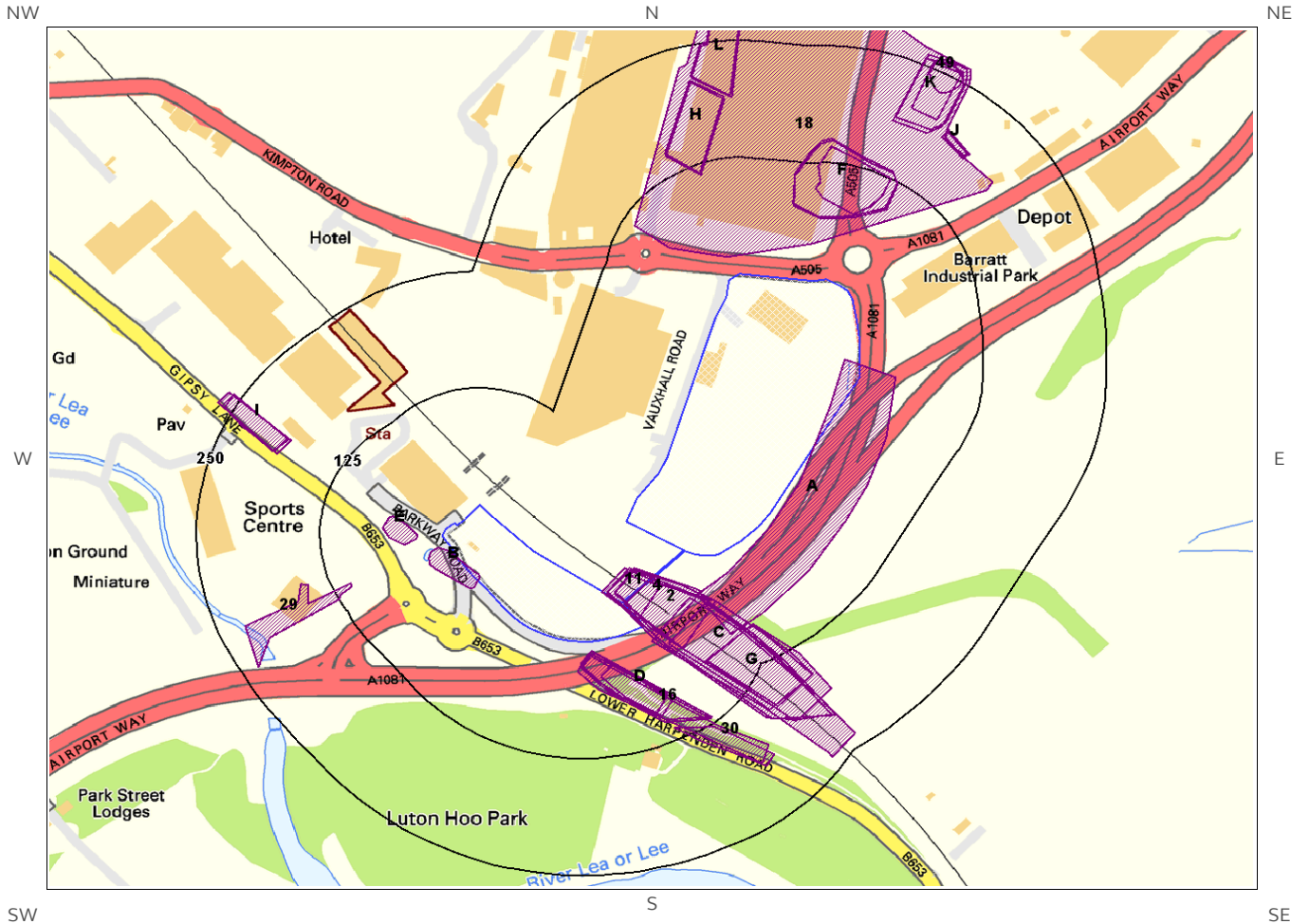
Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

The radon data in this report is supplied by the BGS/Public Health England and is the definitive map of Radon Affected Areas in Great Britain and Northern Ireland. The dataset was created using long-term radon measurements in over 479,000 homes across Great Britain and 23,000 homes across Northern Ireland, combined with geological data. The dataset is considered accurate to 50m to allow for the margin of error in geological lines, and the findings of this report supercede any answer given in the less accurate Indicative Atlas of Radon in Great Britain, which simplifies the data to give the highest risk within any given 1km grid square. As such, the radon atlas is considered indicative, whereas the data given in this report is considered definitive.

3.2 Radon Protection





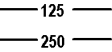
Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary.

4 Ground Workings map



Ground Workings Legend

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-  Site Outline
-  Historic Surface Ground Workings
-  Historic Underground Workings
-  Current Ground Workings
-  Search Buffers (m)

4 Ground Workings

4.1 Historical Surface Ground Working Features derived from Historical Mapping

This dataset is based on Groundsure's unique Historical Land Use Database derived from 1:10,560 and 1:10,000 scale historical mapping

Are there any Historical Surface Ground Working Features within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Use	Date
1A	0.0	On Site	510944 220426	Cuttings	1985
2	0.0	On Site	510816 220300	Cuttings	1985
3A	0.0	On Site	510944 220426	Cuttings	1991
4	0.0	On Site	510804 220313	Cuttings	1991
5B	0.0	On Site	510598 220350	Unspecified Heap	1973
6B	0.0	On Site	510598 220350	Unspecified Heap	1985
7C	0.0	On Site	510869 220269	Cuttings	1922
8C	0.0	On Site	510869 220269	Cuttings	1947
9C	0.0	On Site	510864 220270	Cuttings	1879
10C	0.0	On Site	510860 220274	Cuttings	1973
11	0.0	On Site	510780 220321	Cuttings	1900
12D	11.0	S	510793 220224	Cuttings	1947
13D	11.0	S	510793 220224	Cuttings	1922
14D	12.0	S	510770 220226	Cuttings	1900
15D	13.0	S	510792 220222	Cuttings	1879
16	14.0	S	510820 220200	Cuttings	1951
17G	16.0	SE	510901 220233	Cuttings	1951
18	20.0	N	510973 221093	Sewage Farm	1922
19E	26.0	W	510543 220390	Unspecified Heap	1973
20E	26.0	W	510543 220390	Unspecified Heap	1985
21D	27.0	S	510784 220220	Cuttings	1973

ID	Distance (m)	Direction	NGR	Use	Date
22C	32.0	SE	510901 220252	Cuttings	1900
23F	65.0	N	510995 220766	Sewage Tanks	1879
24F	67.0	N	510994 220768	Sewage Tanks	1922
25F	67.0	N	510994 220768	Sewage Tanks	1947
26G	72.0	SE	510916 220238	Cuttings	1985
27G	74.0	SE	510908 220246	Cuttings	1991
28F	75.0	N	511002 220765	Ponds	1900
29	107.0	SW	510411 220288	Pond	1951
30	112.0	SE	510873 220159	Cuttings	1879
31H	113.0	N	510842 220820	Ponds	1879
32H	115.0	N	510841 220822	Ponds	1947
33H	115.0	N	510841 220822	Ponds	1922
34I	183.0	NW	510398 220503	Cuttings	1922
35I	183.0	NW	510398 220503	Cuttings	1947
36K	183.0	N	511078 220855	Sewage Tanks	1879
37J	183.0	NE	511104 220802	Sewage Tanks	1879
38J	185.0	NE	511107 220804	Sewage Tanks	1922
39J	185.0	NE	511107 220804	Sewage Tanks	1947
40I	186.0	NW	510398 220505	Cuttings	1900
41J	186.0	NE	511107 220804	Sewage Tanks	1900
42K	187.0	N	511081 220859	Sewage Tanks	1922
43K	187.0	N	511081 220859	Sewage Tanks	1947
44I	188.0	NW	510394 220506	Cuttings	1879
45L	189.0	N	510863 220897	Pond	1879
46L	191.0	N	510862 220898	Pond	1947
47L	191.0	N	510862 220898	Pond	1922
48K	202.0	NE	511087 220860	Ponds	1900
49	229.0	NE	511097 220876	Unspecified Heap	1973

4.2 Historical Underground Working Features derived from Historical Mapping

This data is derived from the Groundsure unique Historical Land Use Database. It contains data derived from 1:10,000 and 1:10,560 historical Ordnance Survey Mapping and includes some natural topographical features (Shake Holes for example) as well as manmade features that may have implications for ground stability. Underground and mining features have been identified from surface features such as shafts. The distance that these extend underground is not shown.

Are there any Historical Underground Working Features within 1000m of the study site boundary? No

Database searched and no data found.

4.3 Current Ground Workings

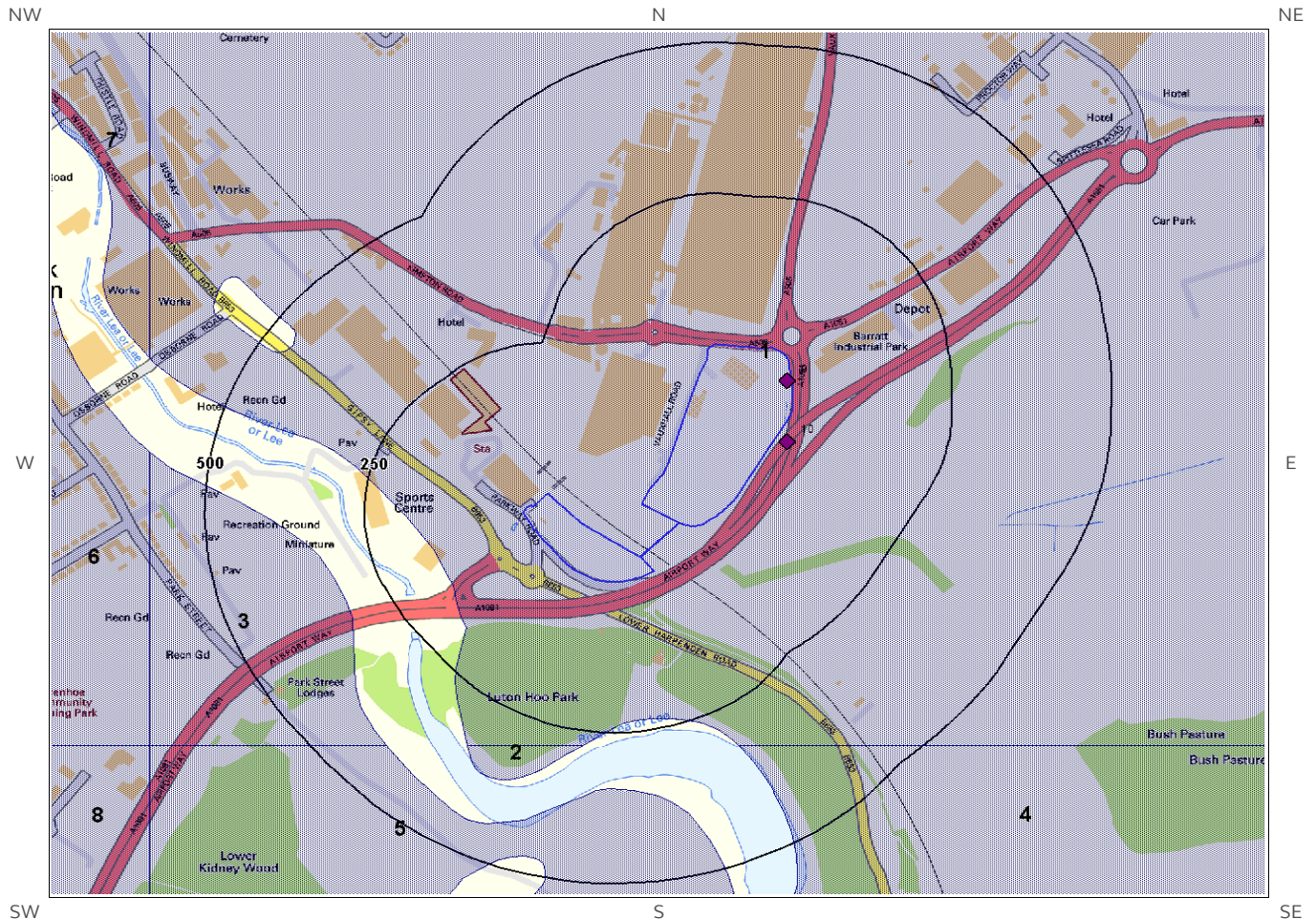
This dataset is derived from the BGS BRITPITS database covering active; inactive mines; quarries; oil wells; gas wells and mineral wharves; and rail deposits throughout the British Isles.

Are there any BGS Current Ground Workings within 1000m of the study site boundary? Yes

The following Current Ground Workings information is provided by British Geological Survey:

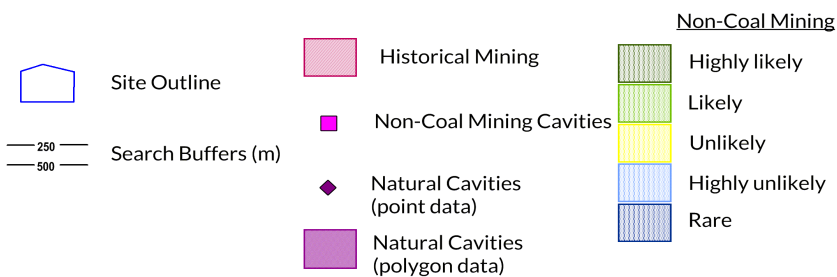
ID	Distance (m)	Direction	NGR	Commodity Produced	Pit Name	Type of working	Status
Not shown	556.0	SE	511520 220335	Chalk	Somerries Chalk Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased

5 Mining, Extraction & Natural Cavities map



Mining, Extraction and Natural Cavities Legend

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5 Mining, Extraction & Natural Cavities

5.1 Historical Mining

This dataset is derived from Groundsure unique Historical Land-use Database that are indicative of mining or extraction activities.

Are there any Historical Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

5.2 Coal Mining

This dataset provides information as to whether the study site lies within a known coal mining affected area as defined by the coal authority.

Are there any Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

5.3 Johnson Poole and Bloomer

This dataset provides information as to whether the study site lies within an area where JPB hold information relating to mining.

Are there any JPB Mining areas within 1000m of the study site boundary? No

The following information provided by JPB is not represented on mapping: Database searched and no data found.

5.4 Non-Coal Mining

This dataset provides information as to whether the study site lies within an area which may have been subject to non-coal historic mining.

Are there any Non-Coal Mining areas within 1000m of the study site boundary? Yes

The following non-coal mining information is provided by the BGS:

ID	Distance (m)	Direction	Name	Commodity	Assessment of likelihood
1	0.0	On Site	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

ID	Distance (m)	Direction	Name	Commodity	Assessment of likelihood
2	274.0	S	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
3	314.0	SW	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
4	317.0	SE	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
5	343.0	S	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
6	587.0	W	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
7	640.0	NW	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
8	701.0	SW	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

5.5 Non-Coal Mining Cavities

This dataset provides information from the Peter Brett Associates (PBA) mining cavities database (compiled for the national study entitled “Review of mining instability in Great Britain, 1990” PBA has also continued adding to this database) on mineral extraction by mining.

Are there any Non-Coal Mining cavities within 1000m of the study site boundary? No

Database searched and no data found.

5.6 Natural Cavities

This dataset provides information based on the Peter Brett Associates natural cavities database. The dataset is made up of points and polygons. Where polygons are used these represent an area in which it is expected the cavities could be found. It does not indicate that cavities are present everywhere within the polygon, and caution should be used in the interpretation of this data.

Are there any Natural Cavities within 1000m of the study site boundary? Yes

The following Natural Cavities information provided by Peter Brett Associates:

ID	Distance (m)	Direction	NGR	Superficial Deposits	Bedrock Deposits	Cavity Type and Number
9	0.0	On Site	511000 220600	Clay-with-Flints	Chalk Group	Solution Pipe x 3

5.7 Brine Extraction

This data provides information from the Coal Authority issued on behalf of the Cheshire Brine Subsidence Compensation Board.

Are there any Brine Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

5.8 Gypsum Extraction

This dataset provides information on Gypsum extraction from British Gypsum records.

Are there any Gypsum Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

5.9 Tin Mining

This dataset provides information on tin mining areas and is derived from tin mining records. This search is based upon postcode information to a sector level..

Are there any Tin Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

5.10 Clay Mining

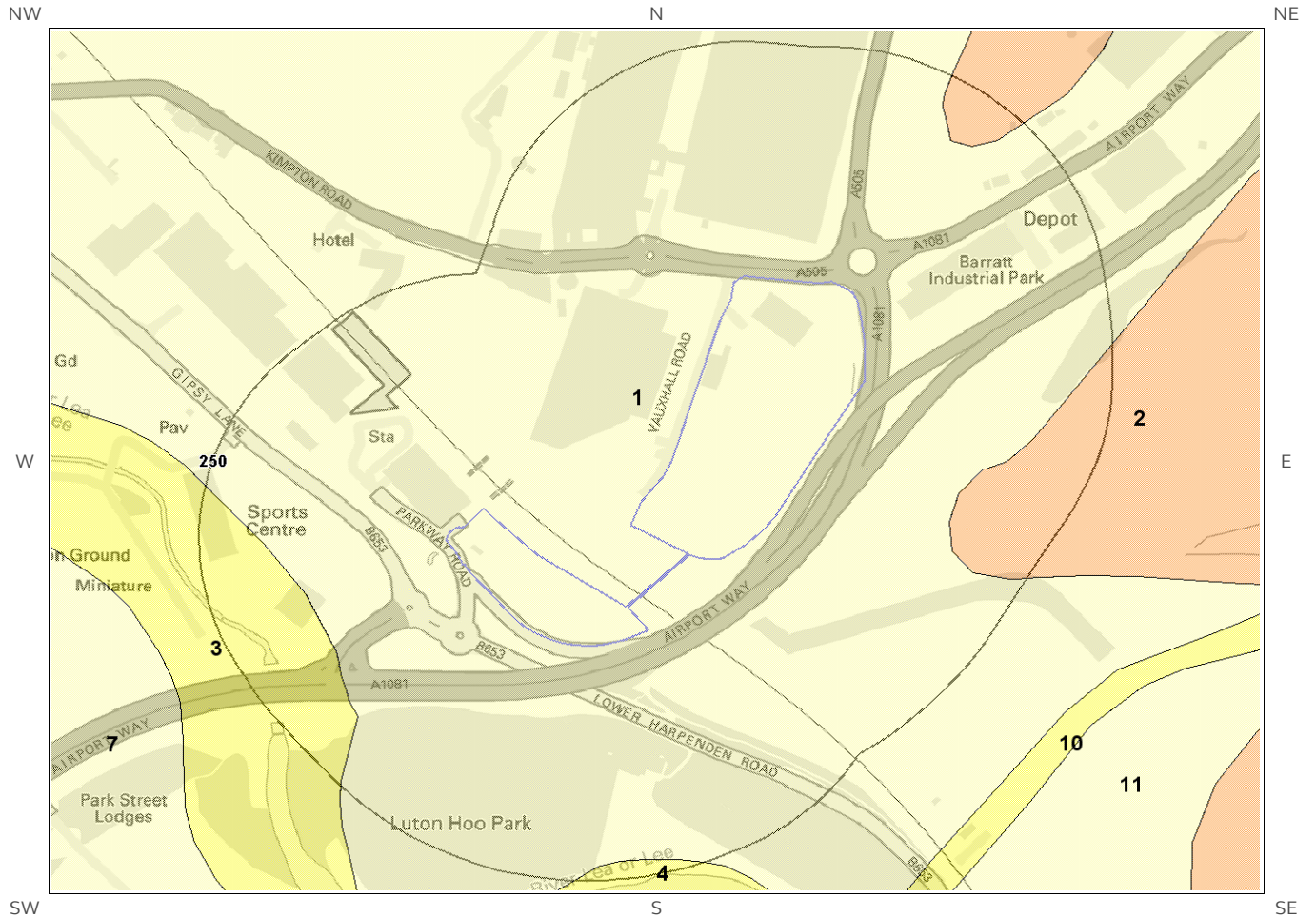
This dataset provides information on Kaolin and Ball Clay mining from relevant mining records.

Are there any Clay Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

6 Natural Ground Subsidence

6.1 Shrink-Swell Clay map

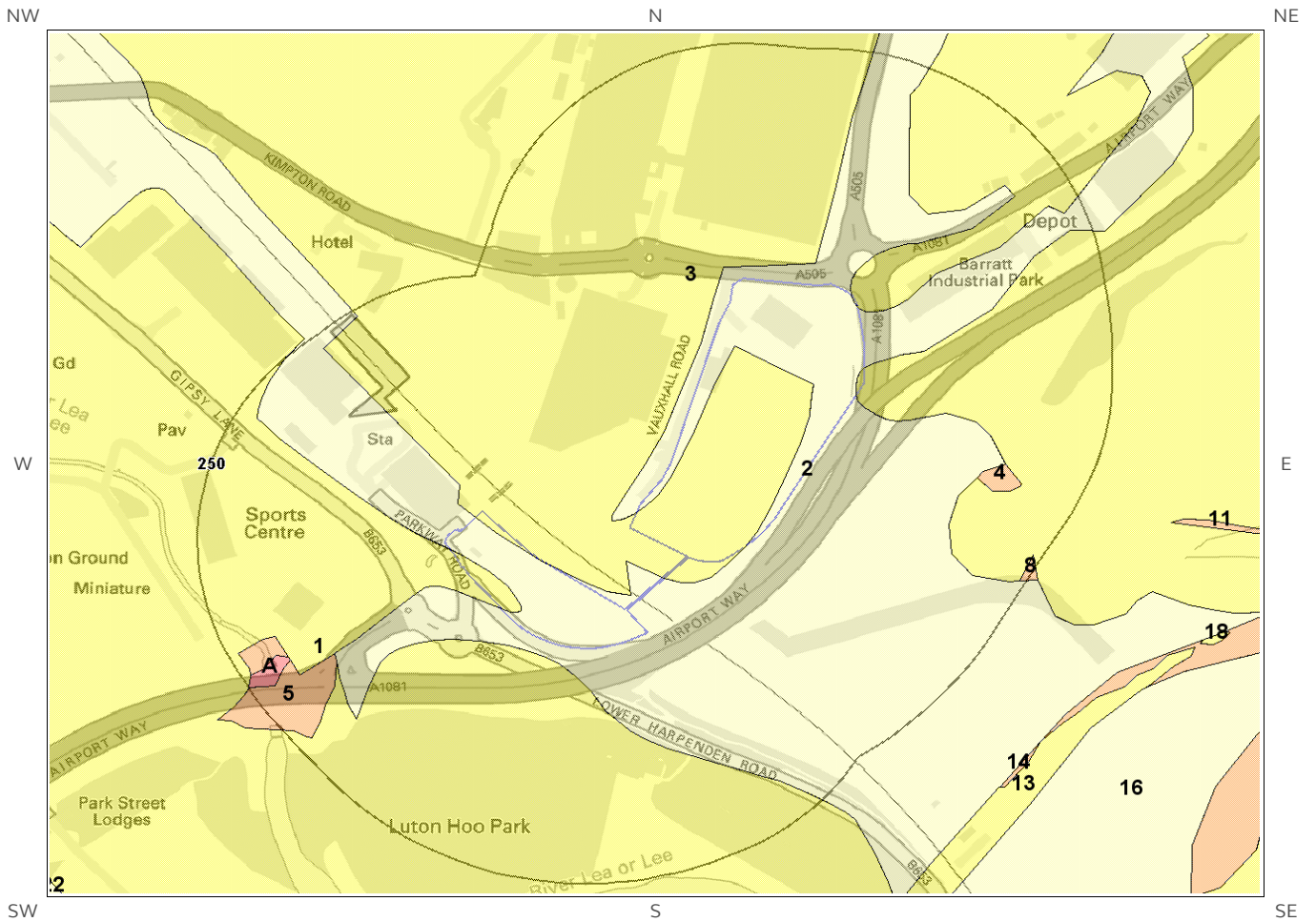


Shrink Swell Clay Legend

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6.2 Landslides map

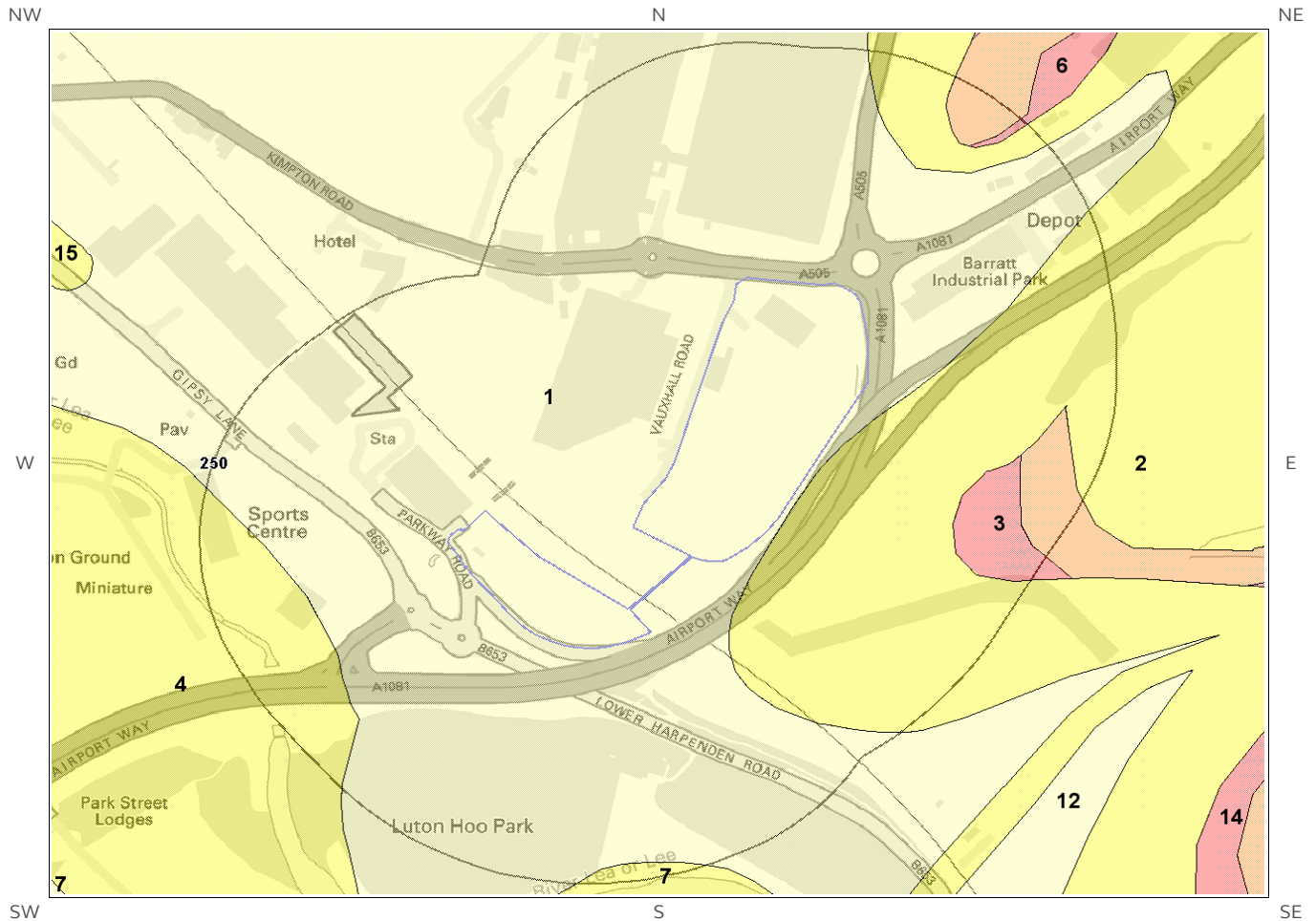


Landslides Legend

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6.3 Ground Dissolution of Soluble Rocks map

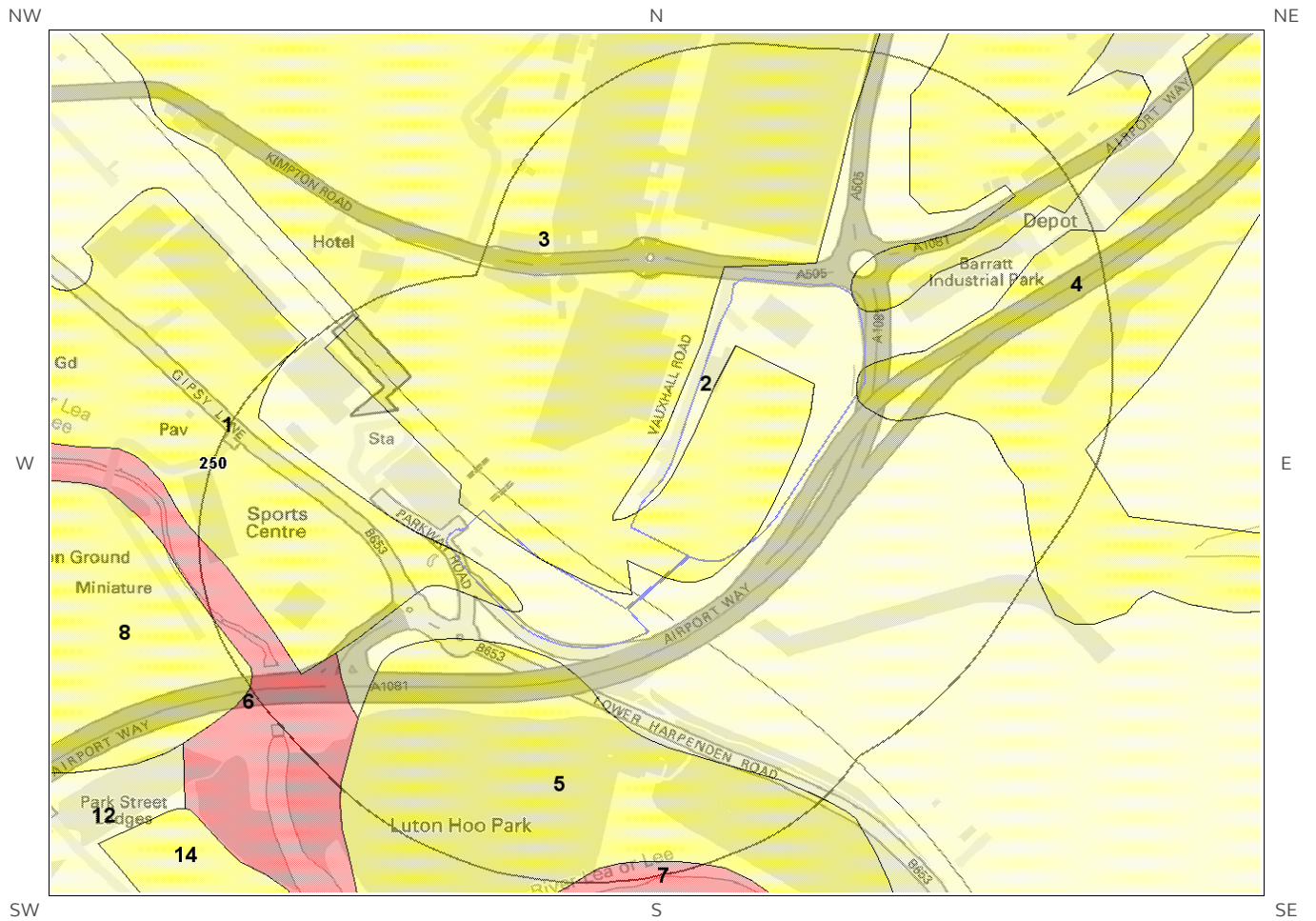


Ground Dissolution Soluble Rocks Legend

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6.4 Compressible Deposits map

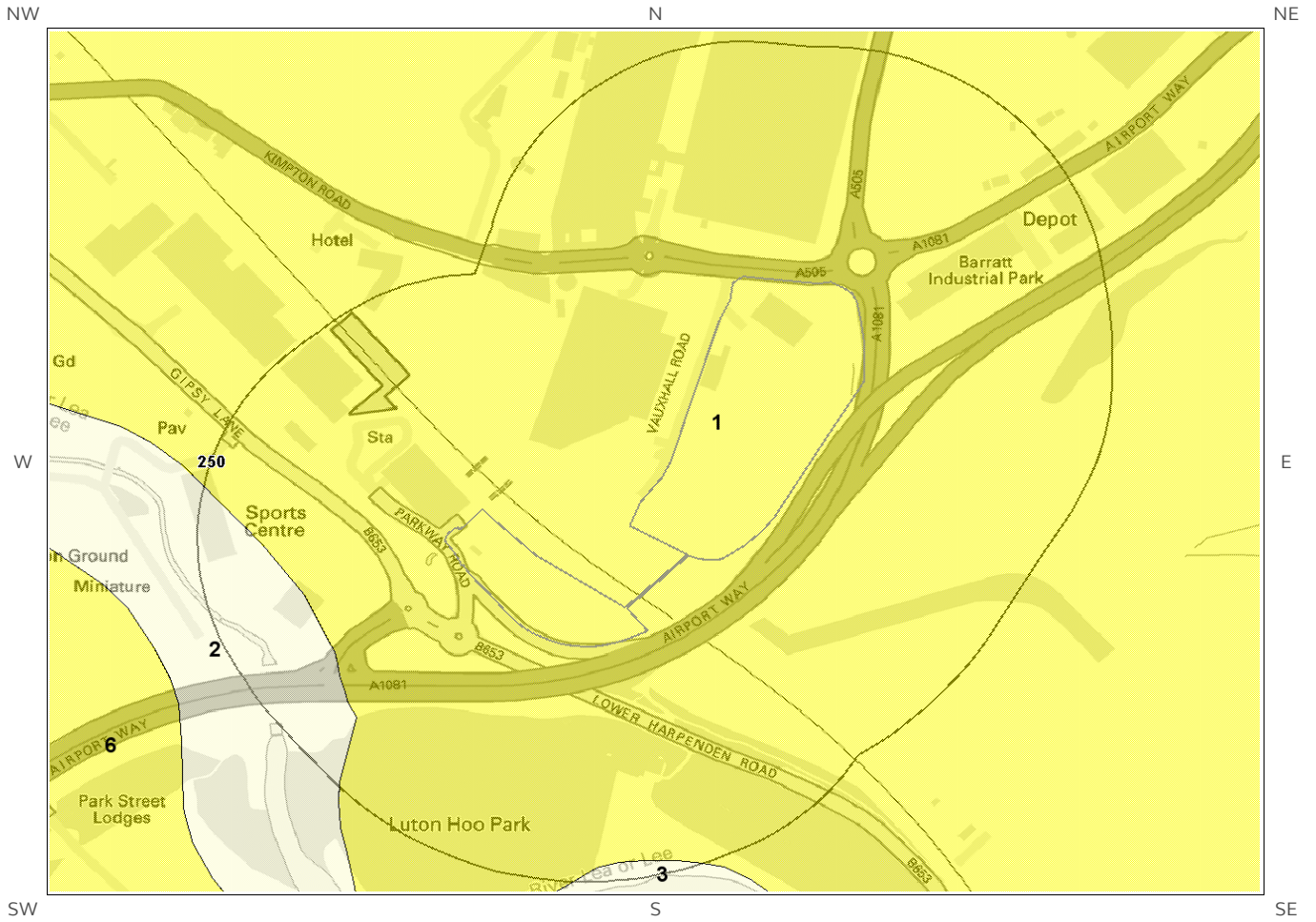


Compressible Deposits Legend

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6.5 Collapsible Deposits map

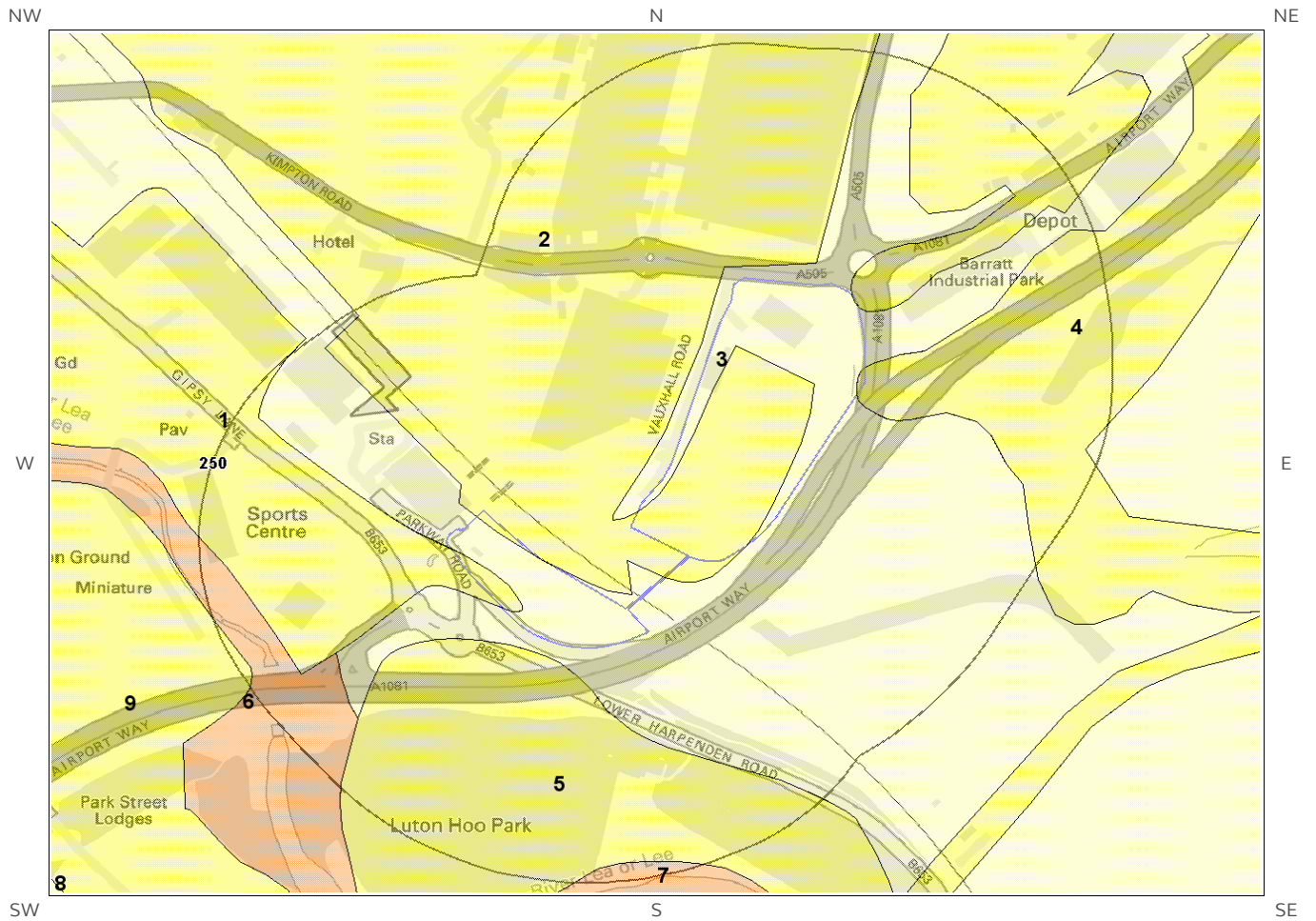


Collapsible Deposits Legend

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6.6 Running Sand map



Running Sand Legend

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6 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site** boundary? Very Low

6.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely likely due to potential problems with shrink-swell clays.

6.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.
2	0.0	On Site	Negligible	No indicators for slope instability identified. No special actions required to avoid problems due to landslides. No special ground investigation required and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.
3	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

* This includes an automatically generated 50m buffer zone around the site

6.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.
2	6.0	SE	Very Low	Significant soluble rocks are present. Problems unlikely except with considerable surface or subsurface water flow. No special actions required to avoid problems due to soluble rocks. No special ground investigation required or increased construction costs are likely. An increase in financial risk due to potential problems with soluble rocks is unlikely.

6.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.
2	0.0	On Site	Negligible	No indicators for compressible deposits identified. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.
3	0.0	On Site	Very Low	Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.
4	0.0	On Site	Very Low	Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.
5	16.0	S	Very Low	Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

6.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

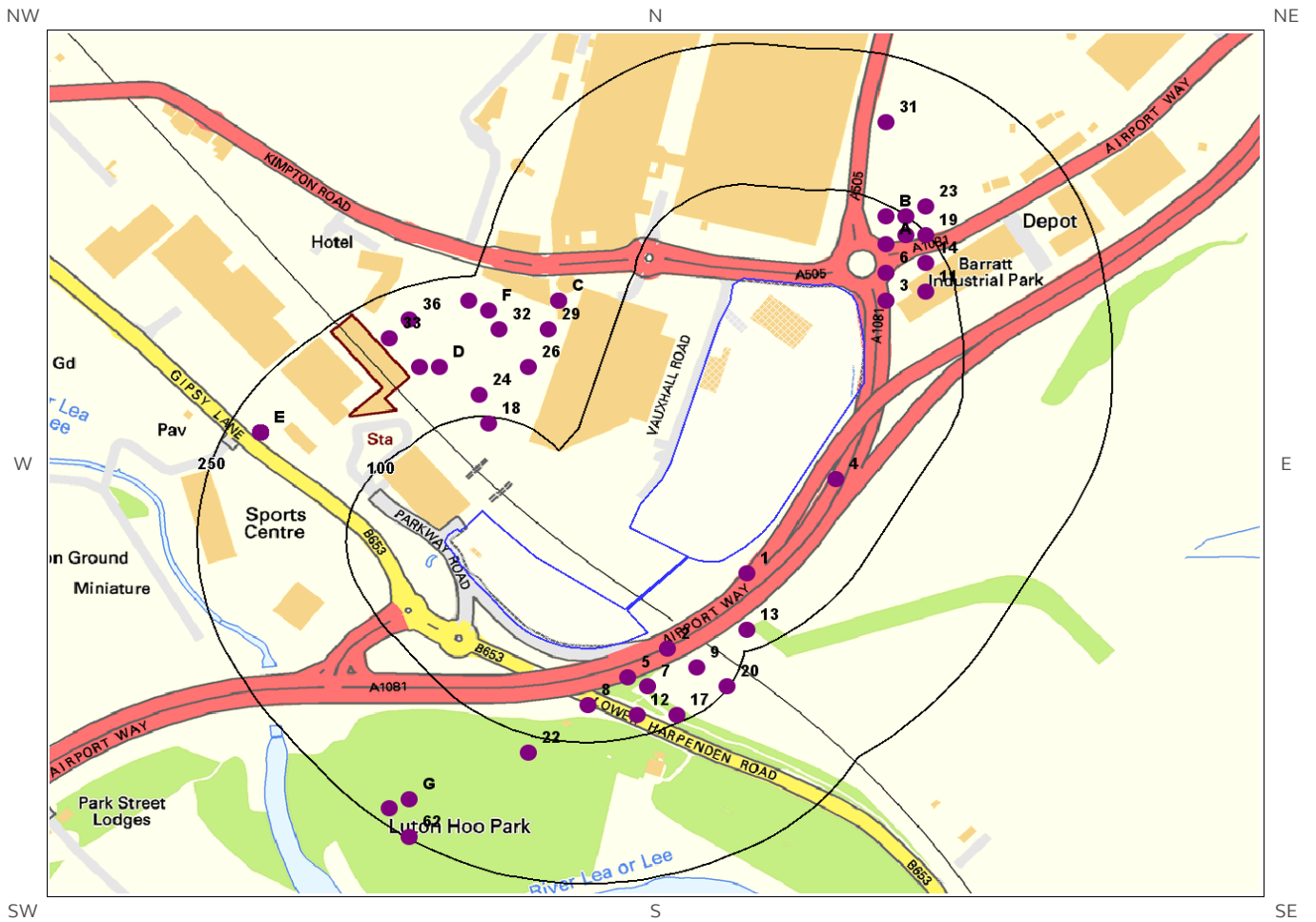
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

6.6 Running Sands

The following Running Sands information provided by the British Geological Survey:

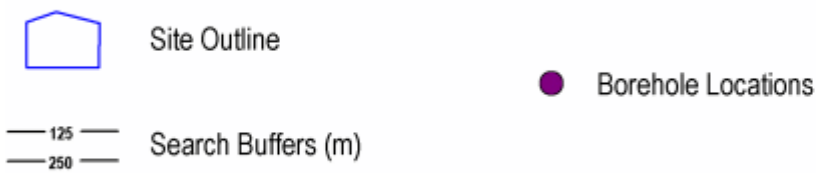
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.
2	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.
3	0.0	On Site	Negligible	No indicators for running sand identified. No special actions required to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.
4	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.
5	16.0	S	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

7 Borehole Records map



Borehole Records Legend

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7 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary:

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ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1	25.0	SE	510890 220350	TL12SW29	14.3	LUTON EASTERN BY-PASS 43A
2	26.0	SE	510810 220270	TL12SW25	20.0	LUTON EASTERN BY-PASS 39
3	28.0	E	511030 220640	TL12SW31	17.0	LUTON EASTERN BY-PASS 46
4	31.0	SE	510980 220450	TL12SW30	12.0	LUTON EASTERN BY-PASS 45
5	37.0	S	510770 220240	TL12SW22	9.5	LUTON EASTERN BY-PASS 35
6	41.0	NE	511030 220670	TL12SW33	4.5	LUTON EASTERN BY-PASS 49
7	53.0	SE	510790 220230	TL12SW23	20.0	LUTON EASTERN BY-PASS 36
8	61.0	S	510730 220210	TL12SW20	9.0	LUTON EASTERN BY-PASS 32
9	62.0	SE	510840 220250	TL12SW26	13.0	LUTON EASTERN BY-PASS 40
10A	63.0	NE	511030 220700	TL12SW35	12.5	LUTON EASTERN BY-PASS 52
11	69.0	E	511070 220650	TL12SW32	16.0	LUTON EASTERN BY-PASS 48
12	78.0	S	510780 220200	TL12SW21	11.3	LUTON EASTERN BY-PASS 34
13	79.0	S	510890 220290	TL12SW28	32.0	LUTON EASTERN BY-PASS 43
14	80.0	NE	511070 220680	TL12SW34	13.0	LUTON EASTERN BY-PASS 51
15A	83.0	NE	511050 220710	TL12SW36	4.2	LUTON EASTERN BY-PASS 53
16B	88.0	NE	511030 220730	TL12SW38	6.4	LUTON EASTERN BY-PASS 55
17	92.0	SE	510820 220200	TL12SW24	11.5	LUTON EASTERN BY-PASS 37
18	93.0	N	510630 220510	TL12SW260	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC11
19	97.0	NE	511070 220710	TL12SW37	12.5	LUTON EASTERN BY-PASS 54
20	98.0	SE	510870 220230	TL12SW27	19.0	LUTON EASTERN BY-PASS 41
21B	99.0	NE	511050 220730	TL12SW39	6.8	LUTON EASTERN BY-PASS 56
22	119.0	S	510670 220160	TL12SW19	6.5	LUTON EASTERN BY-PASS 31

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
23	119.0	NE	511070 220740	TL12SW40	15.0	LUTON EASTERN BY-PASS 57
24	123.0	N	510620 220540	TL12SW257	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC8
25D	159.0	N	510580 220570	TL12SW255	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC6
26	159.0	N	510670 220570	TL12SW259	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC10
27C	162.0	W	510700 220640	TL12SW84/B	76.2	VAUXHALL MOTORS LTD LUTON
28C	162.0	W	510700 220640	TL12SW84/A	76.2	VAUXHALL MOTORS LTD LUTON
29	162.0	W	510690 220610	TL12SW258	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC9
30D	165.0	NW	510560 220570	TL12SW249	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON CP2
31	180.0	N	511030 220830	TL12SW41	18.5	LUTON EASTERN BY-PASS 58
32	193.0	N	510640 220610	TL12SW256	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC7
33	205.0	NW	510530 220600	TL12SW252	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC3
34F	213.0	N	510630 220630	TL12SW254	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC5
35G	215.0	SW	510550 220110	TL12SW18	7.5	LUTON EASTERN BY-PASS 30
36	216.0	N	510550 220620	TL12SW251	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC2
37E	218.0	NW	510400 220500	TL12SW135	20.0	PROP REDEVELOPMENT 6
38E	218.0	NW	510400 220500	TL12SW140	2.0	PROP REDEVELOPMENT TP E
39E	218.0	NW	510400 220500	TL12SW145	4.0	PROP REDEVELOPMENT TP 2
40E	218.0	NW	510400 220500	TL12SW142	20.25	PROP REDEVELOPMENT 1
41E	218.0	NW	510400 220500	TL12SW134	15.65	PROP REDEVELOPMENT 5
42E	218.0	NW	510400 220500	TL12SW149	3.0	PROP REDEVELOPMENT TP 6
43E	218.0	NW	510400 220500	TL12SW143	16.45	PROP REDEVELOPMENT 7
44E	218.0	NW	510400 220500	TL12SW131	10.5	PROP REDEVELOPMENT 2
45E	218.0	NW	510400 220500	TL12SW150	2.0	PROP REDEVELOPMENT TP G
46E	218.0	NW	510400 220500	TL12SW133	21.0	PROP REDEVELOPMENT 4
47E	218.0	NW	510400 220500	TL12SW146	4.0	PROP REDEVELOPMENT TP 3
48E	218.0	NW	510400 220500	TL12SW139	0.0	PROP REDEVELOPMENT TP D
49E	218.0	NW	510400 220500	TL12SW153	0.0	PROP REDEVELOPMENT TP J
50E	218.0	NW	510400 220500	TL12SW148	4.0	PROP REDEVELOPMENT TP 5
51E	218.0	NW	510400 220500	TL12SW147	4.0	PROP REDEVELOPMENT TP 4

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
52E	218.0	NW	510400 220500	TL12SW152	1.0	PROP REDEVELOPMENT TP I
53E	218.0	NW	510400 220500	TL12SW141	1.0	PROP REDEVELOPMENT TP F
54E	218.0	NW	510400 220500	TL12SW137	3.0	PROP REDEVELOPMENT TP B
55E	218.0	NW	510400 220500	TL12SW151	1.0	PROP REDEVELOPMENT TP H
56E	218.0	NW	510400 220500	TL12SW138	3.0	PROP REDEVELOPMENT TP C
57E	218.0	NW	510400 220500	TL12SW144	4.0	PROP REDEVELOPMENT TP 1
58E	218.0	NW	510400 220500	TL12SW136	1.0	PROP REDEVELOPMENT TP A
59E	218.0	NW	510400 220500	TL12SW132	11.45	PROP REDEVELOPMENT 3
60F	223.0	N	510610 220640	TL12SW253	-1.0	KIMPTON DISTRIBUTION CENTRE LUTON RC4
61G	234.0	SW	510530 220100	TL12SW108	10.0	LUTON E.CIRCULAR S.SECTION 13
62	249.0	SW	510550 220070	TL12SW17	13.0	LUTON EASTERN BY- PASS 29

The borehole records are available using the hyperlinks below: Please note that if the donor of the borehole record has requested the information be held as commercial-in-confidence, the additional data will be held separately by the BGS and a formal request must be made for its release.

#1: scans.bgs.ac.uk/sobi_scans/boreholes/528468
#2: scans.bgs.ac.uk/sobi_scans/boreholes/528464
#3: scans.bgs.ac.uk/sobi_scans/boreholes/528470
#4: scans.bgs.ac.uk/sobi_scans/boreholes/528469
#5: scans.bgs.ac.uk/sobi_scans/boreholes/528461
#6: scans.bgs.ac.uk/sobi_scans/boreholes/528472
#7: scans.bgs.ac.uk/sobi_scans/boreholes/528462
#8: scans.bgs.ac.uk/sobi_scans/boreholes/528459
#9: scans.bgs.ac.uk/sobi_scans/boreholes/528465
#10A: scans.bgs.ac.uk/sobi_scans/boreholes/528474
#11: scans.bgs.ac.uk/sobi_scans/boreholes/528471
#12: scans.bgs.ac.uk/sobi_scans/boreholes/528460
#13: scans.bgs.ac.uk/sobi_scans/boreholes/528467
#14: scans.bgs.ac.uk/sobi_scans/boreholes/528473
#15A: scans.bgs.ac.uk/sobi_scans/boreholes/528475
#16B: scans.bgs.ac.uk/sobi_scans/boreholes/528477
#17: scans.bgs.ac.uk/sobi_scans/boreholes/528463
#19: scans.bgs.ac.uk/sobi_scans/boreholes/528476
#20: scans.bgs.ac.uk/sobi_scans/boreholes/528466
#21B: scans.bgs.ac.uk/sobi_scans/boreholes/528478
#22: scans.bgs.ac.uk/sobi_scans/boreholes/528458
#23: scans.bgs.ac.uk/sobi_scans/boreholes/528479
#27C: scans.bgs.ac.uk/sobi_scans/boreholes/528524
#28C: scans.bgs.ac.uk/sobi_scans/boreholes/528523
#31: scans.bgs.ac.uk/sobi_scans/boreholes/528480
#35G: scans.bgs.ac.uk/sobi_scans/boreholes/528457
#37E: scans.bgs.ac.uk/sobi_scans/boreholes/528576
#38E: scans.bgs.ac.uk/sobi_scans/boreholes/528581
#39E: scans.bgs.ac.uk/sobi_scans/boreholes/528586
#40E: scans.bgs.ac.uk/sobi_scans/boreholes/528583
#41E: scans.bgs.ac.uk/sobi_scans/boreholes/528575
#42E: scans.bgs.ac.uk/sobi_scans/boreholes/528590
#43E: scans.bgs.ac.uk/sobi_scans/boreholes/528584
#44E: scans.bgs.ac.uk/sobi_scans/boreholes/528572
#45E: scans.bgs.ac.uk/sobi_scans/boreholes/528591
#46E: scans.bgs.ac.uk/sobi_scans/boreholes/528574
#47E: scans.bgs.ac.uk/sobi_scans/boreholes/528587
#48E: scans.bgs.ac.uk/sobi_scans/boreholes/528580
#49E: scans.bgs.ac.uk/sobi_scans/boreholes/528594
#50E: scans.bgs.ac.uk/sobi_scans/boreholes/528589
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#56E: scans.bgs.ac.uk/sobi_scans/boreholes/528579
#57E: scans.bgs.ac.uk/sobi_scans/boreholes/528585
#58E: scans.bgs.ac.uk/sobi_scans/boreholes/528577
#59E: scans.bgs.ac.uk/sobi_scans/boreholes/528573
#61G: scans.bgs.ac.uk/sobi_scans/boreholes/528549
#62: scans.bgs.ac.uk/sobi_scans/boreholes/528456

8 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary:

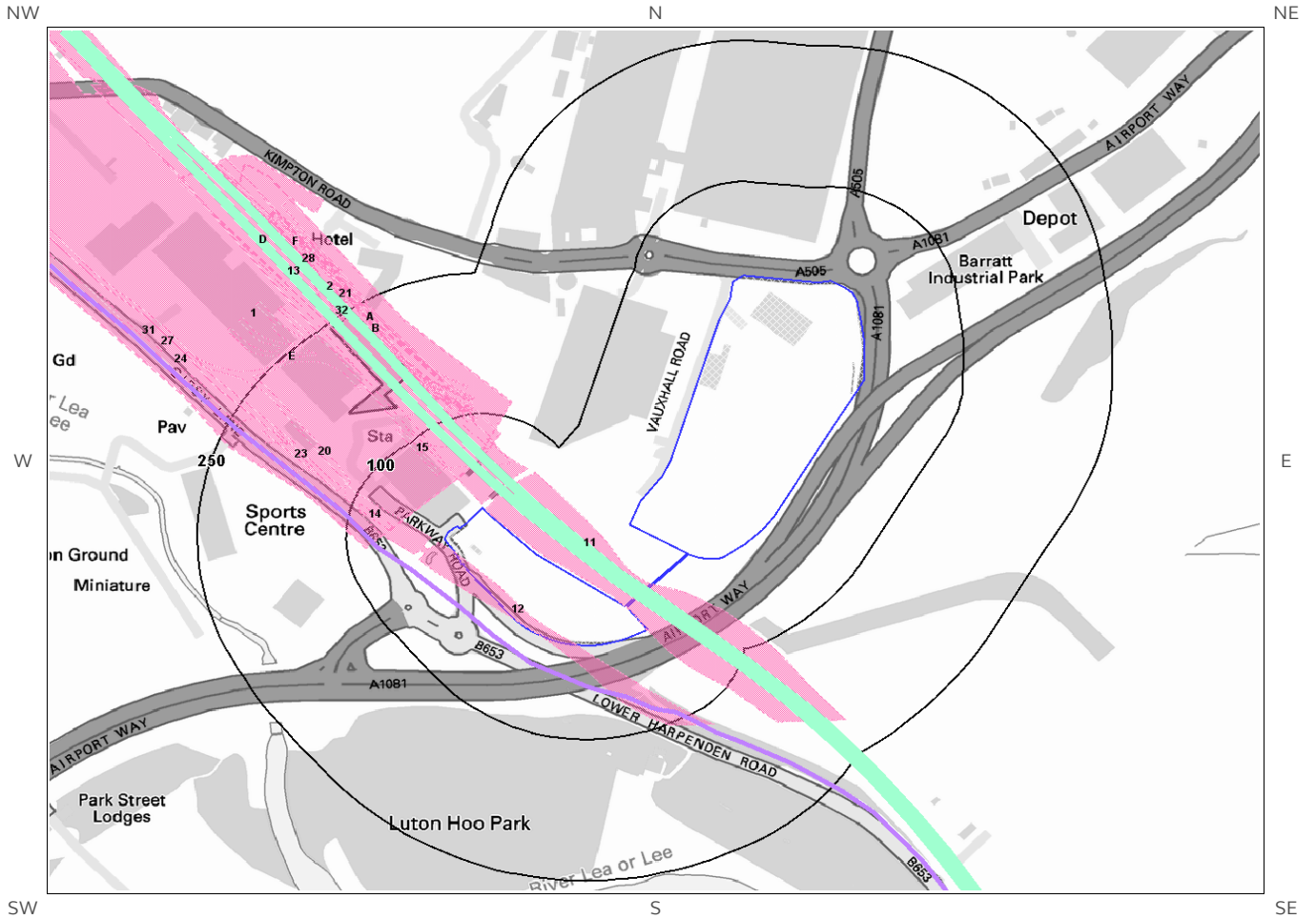
11

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
0.0	On Site	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
0.0	On Site	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
6.0	SE	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
19.0	SE	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
20.0	SE	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
21.0	SE	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
36.0	SE	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
42.0	SE	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
43.0	E	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg
45.0	E	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	100 - 200 mg/kg













*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

9 Railways and Tunnels map



Railways and Tunnels Legend

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- | | | | | |
|---|--|---|---|-------------|
|  | Underground or Partially Underground Railway / Subway System |  | Railway Track (OpenStreetMap) | |
|  | Site Outline |  | High Speed 2 | |
|  | Search Buffers (m) |  | High Speed 2 Revised Proposed Route | |
|  | |  | Railway Tunnel (OS Mapping) | |
| | |  | Abandoned or Dismantled Railway (OpenStreetMap) | |
| | |  | Railway Track (OS Mapping) | |
| | |  | Railway and/or Tunnel Feature from Historical Mapping | |
| | | |  | Crossrail 1 |

9 Railways and Tunnels

9.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels map.

This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels map.

9.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? Yes

Have any historical railway or tunnel features been identified within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Details	Date
11	0	On Site	n/a	Railway	1880
12	0	On Site	n/a	Railway	1880
1	39	NW	510326 220724	Railway Sidings	1951
13	45	N	n/a	Railway	1922
2	46	N	510479 220628	Railway Sidings	1973
14	55	W	510517 220408	Railway Sidings	1984
15	56	NW	510562 220476	Railway Sidings	1962

ID	Distance (m)	Direction	NGR	Details	Date
16D	63	N	n/a	Railway	1899
17C	92	N	510545 220570	Railway Sidings	1962
18C	93	N	510545 220570	Railway Sidings	1984
19C	94	N	510549 220567	Railway Sidings	1973
3A	103	N	510500 220625	Railway Sidings	1947
4A	103	N	510500 220625	Railway Sidings	1922
5B	103	N	510510 220610	Railway Sidings	1938
6A	105	N	510514 220605	Railway Sidings	1922
7B	105	N	510514 220605	Railway Sidings	1938
8B	105	N	510514 220605	Railway Sidings	1938
9B	105	N	510514 220605	Railway Sidings	1922
20	111	NW	510465 220472	Railway Sidings	1962
21	112	N	510479 220629	Railway Sidings	1924
22D	113	N	n/a	Railway	1879
23	116	NW	510442 220468	Railway Sidings	1984
10A	119	N	510513 220621	Railway Sidings	1938
24	148	NW	n/a	Railway	1922
25E	176	NW	510412 220568	Railway Sidings	1968
26E	176	NW	510412 220568	Railway Sidings	1961
27	181	NW	n/a	Railway	1899
28	213	NW	510444 220690	Railway Sidings	1984
29F	223	NW	510439 220695	Railway Sidings	1961
30F	223	NW	510439 220695	Railway Sidings	1968
31	229	NW	n/a	Railway	1879
32	231	NW	510484 220625	Railway Sidings	1973

Any records that have been identified are represented on the Railways and Tunnels map.

9.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Status
27	SW	Abandoned
31	SW	Dismantled
69	W	Dismantled
109	W	Dismantled

Multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels map.

9.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? Yes

Have any active railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Name	Type
0	On Site	Midland Main Line	Rail
0	On Site	Midland Main Line	Rail
0	On Site	Midland Main Line	Rail
0	On Site	Midland Main Line	Rail
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Midland Main Line	Rail
0	On Site	Midland Main Line	Rail
0	On Site	Midland Main Line	Rail
0	On Site	Midland Main Line	Rail
58	E	Not given	Multi Track
58	E	Not given	Multi Track

Multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels map.

9.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project? No

Is the study site within 500m of the route of the Crossrail 1 rail project? No

*Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a **Groundsure HS2 and Crossrail 1 Report**.*

The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

Please note that this assessment takes account of both the original Phase 2b proposed route and the amended route proposed in 2016. As the Phase 2b route is still under consultation, Groundsure are providing information on both options until the final route is formally confirmed. Practitioners should take account of this uncertainty when advising clients.

Contact Details

Groundsure Helpline
Telephone: 08444 159 000
info@groundsure.com



British Geological Survey Enquiries

Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email: enquiries@bgs.ac.uk
Web: [\[REDACTED\]](#)



BGS Geological Hazards Reports and general geological enquiries

British Gypsum

British Gypsum Ltd
East Leake
Loughborough
Leicestershire
LE12 6HX



The Coal Authority

200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk



Public Health England

Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
<https://www.gov.uk/government/organisations/public-health-england>
Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000



Johnson Poole & Bloomer Limited

Harris and Pearson Building, Brettel Lane
Brierley Hill, West Midlands
DY5 3LH
Tel: +44 (0) 1384 262 000
Email: enquiries.gs@jpb.co.uk
Website: [\[REDACTED\]](#)



Ordnance Survey

Adanac Drive, Southampton
SO16 0AS

Tel: 08456 050505

Website: [\[REDACTED\]](#)



Getmapping PLC

Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444

Website: [\[REDACTED\]](#)



Peter Brett Associates
Caversham Bridge House
Waterman Place
Reading
Berkshire RG1 8DN
Tel: +44 (0)118 950 0761 E-mail: reading@pba.co.uk
Website: [REDACTED]



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Groundsure

LOCATION INTELLIGENCE

Ove Arup & Partners International Ltd
OVE ARUP & PARTNERS, BLYTHE GATE,
SOLIHULL, B90 8AE

Groundsure Reference: GS-4640547
Your Reference: 245580-00_Trailer_Park

Report Date 5 Jan 2018

Report Delivery Method: Email - pdf

Enviro Insight

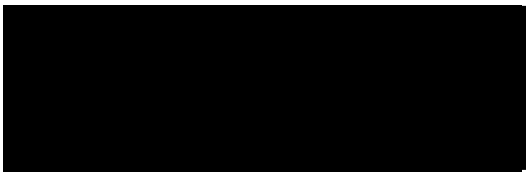
Address: 510890, 220475,

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If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,



Managing Director
Groundsure Limited

Enc.
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Address: 510890, 220475,
Date: 5 Jan 2018
Reference: GS-4640547
Client: Ove Arup & Partners International Ltd

NW

N

NE



W

E

SW

S

SE

Aerial Photograph Capture date: 01-Jun-2014
Grid Reference: 510849,220474
Site Size: 5.40ha

Report Reference: GS-4640547
Client Reference: 245580-00_Trailer_Park

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Overview of Findings

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Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	41	30	85	40
1.2 Additional Information – Historical Tank Database	0	0	28	31
1.3 Additional Information – Historical Energy Features Database	0	0	3	16
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	4	3
1.6 Potentially Infilled Land	26	16	83	30
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	10
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	3
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	1	0	0	3
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	1	8
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	1
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	4	3
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	0	0	1
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	0	1
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	1	0	2

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	2	0	23	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology	
5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	Yes
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	None
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes					
6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?	Yes					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	4	0	4	9
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	3
6.6 Source Protection Zones (within 500m of the study site)	0	0	1	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	1	0	1	Not searched	Not searched

Section 6: Hydrogeology and Hydrology	0-500m					
	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site?	No	No	No	No	Yes	No
6.10 Detailed River Network entries within 500m of the site	0	0	2	1	Not searched	Not searched
6.11 Surface water features within 250m of the study site	Yes	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding						
7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	Yes					
7.2 Are there any Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	Yes					
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?	Very Low					
7.4 Are there any Flood Defences within 250m of the study site?	No					
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?	No					
7.6 Are there any areas used for Flood Storage within 250m of the study site?	No					
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Potential at Surface					
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High					

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	1	5
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	1	0	0	1	2	2
8.14 Records of Green Belt land	0	1	0	1	2	1

Section 9: Natural Hazards

9.1 What is the maximum risk of natural ground subsidence?	Very Low
9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Negligible
9.1.2 What is the maximum Landslides hazard rating identified on the study site?	Very Low
9.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?	Very Low
9.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?	Very Low
9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Very Low
9.1.6 What is the maximum Running Sand hazard rating identified on the study site?	Very Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining

10.1 Are there any coal mining areas within 75m of the study site?	No
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	Yes
10.3 Are there any brine affected areas within 75m of the study site?	No

Using this report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between Groundsure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licenses, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

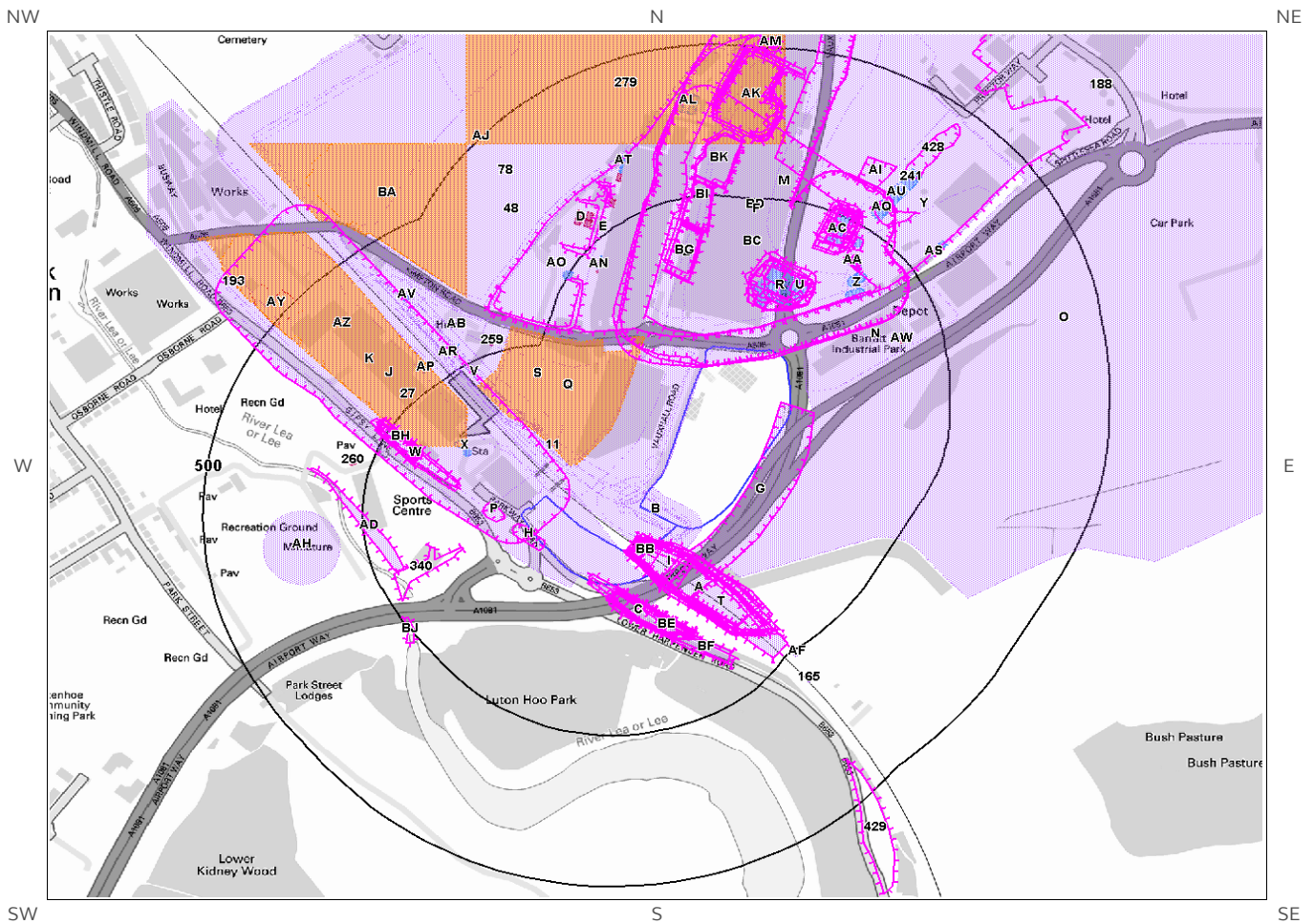
Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

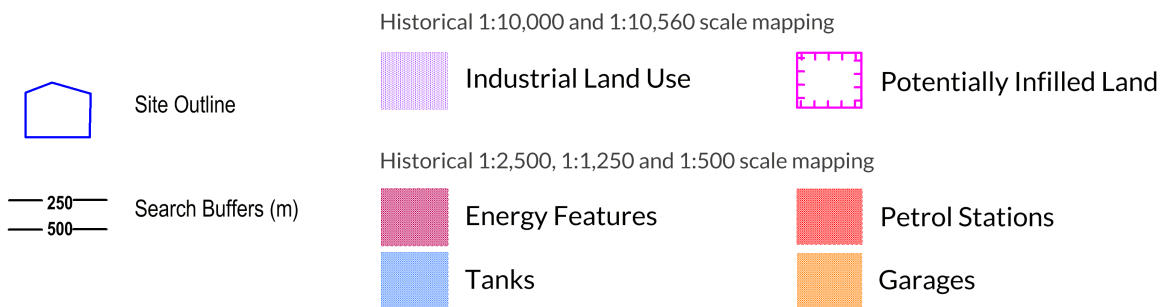
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Land Use



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1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 196

ID	Distance [m]	Direction	Use	Date
1C	0	On Site	Cuttings	1879
2A	0	On Site	Cuttings	1879
3A	0	On Site	Cuttings	1973
4A	0	On Site	Cuttings	1938
5A	0	On Site	Cuttings	1888
6A	0	On Site	Cuttings	1922
7A	0	On Site	Cuttings	1947
8A	0	On Site	Cuttings	1922
9A	0	On Site	Cuttings	1938
10A	0	On Site	Cuttings	1938
11	0	On Site	Rifle Range	1900
12B	0	On Site	Miniature Rifle Range	1947
13B	0	On Site	Miniature Rifle Range	1922
14C	0	On Site	Cuttings	1888
15A	0	On Site	Cuttings	1938
16A	0	On Site	Cuttings	1922
17A	0	On Site	Cuttings	1888
18C	0	On Site	Cuttings	1888
19D	0	On Site	Unspecified Works	1991
20D	0	On Site	Unspecified Works	1985
21E	0	On Site	Unspecified Works	1951
22E	0	On Site	Unspecified Works	1973
23F	0	On Site	Sewage Farm	1947
24F	0	On Site	Sewage Farm	1938
25BC	0	On Site	Sewage Farm	1900
26J	0	On Site	Sewage Farm	1900
27	0	On Site	Unspecified Commercial/Industrial	1951
28B	0	On Site	Miniature Rifle Range	1938
29B	0	On Site	Miniature Rifle Range	1951
30G	0	On Site	Cuttings	1991
31G	0	On Site	Cuttings	1985
32B	0	On Site	Miniature Rifle Range	1938
33B	0	On Site	Miniature Rifle Range	1938

34H	0	On Site	Unspecified Heap	1985
35H	0	On Site	Unspecified Heap	1973
36I	0	On Site	Cuttings	1985
37I	0	On Site	Cuttings	1991
38BB	0	On Site	Cuttings	1900
39B	0	On Site	Miniature Rifle Range	1922
40B	0	On Site	Miniature Rifle Range	1938
41B	0	On Site	Miniature Rifle Range	1922
42C	6	S	Cuttings	1938
43J	6	NW	Unspecified Works	1973
44K	6	NW	Unspecified Works	1985
45K	6	NW	Unspecified Works	1991
46C	8	S	Cuttings	1922
47C	8	S	Cuttings	1922
48	9	NE	Motor Works	1938
49L	9	NW	Abandoned Airfield	1938
50L	9	NW	Abandoned Airfield	1938
51C	11	S	Cuttings	1922
52C	11	S	Cuttings	1947
53C	12	S	Cuttings	1900
54C	13	S	Cuttings	1938
55BE	14	S	Cuttings	1951
56T	16	SE	Cuttings	1951
57Q	16	NW	Motor Car Engineering Works	1947
58BD	20	N	Sewage Farm	1922
59M	21	N	Sewage Farm	1922
60M	21	N	Sewage Farm	1922
61N	24	E	Unspecified Depot	1991
62N	24	E	Unspecified Depot	1985
63O	24	E	Airport	1991
64O	24	E	Airport	1985
65P	26	W	Unspecified Heap	1985
66P	26	W	Unspecified Heap	1973
67C	27	S	Cuttings	1973
68A	32	SE	Cuttings	1900
69F	34	N	Corporation Sewage Farm	1938
70AZ	39	NW	Railway Sidings	1951
71AR	46	N	Railway Sidings	1973
72S	60	NE	Motor Car Engineering Works	1922
73Q	61	NE	Motor Cars Engineering Works	1922
74Q	61	NE	Motor Cars Engineering Works	1922
75R	65	N	Sewage Tanks	1938
76R	67	N	Sewage Tanks	1947

77R	67	N	Sewage Tanks	1922
78	68	W	Motor Works	1947
79S	68	NE	Unspecified Commercial/Industrial	1938
80R	71	N	Sewage Tanks	1938
81R	71	N	Sewage Tanks	1922
82R	71	N	Sewage Tanks	1922
83R	71	N	Sewage Tanks	1938
84T	72	SE	Cuttings	1985
85T	74	SE	Cuttings	1991
86R	79	N	Unspecified Ground Workings	1938
87R	87	N	Sewage Tanks	1938
88U	102	NE	Sewage Tanks	1938
89U	102	NE	Sewage Tanks	1922
90U	102	NE	Sewage Tanks	1922
91U	102	NE	Sewage Tanks	1938
92V	103	N	Railway Sidings	1947
93V	103	N	Railway Sidings	1922
94V	103	N	Railway Sidings	1938
95V	105	N	Railway Sidings	1938
96V	105	N	Railway Sidings	1922
97V	105	N	Railway Sidings	1938
98V	105	N	Railway Sidings	1922
99W	108	NW	Cuttings	1879
100R	109	N	Sewage Tanks	1922
101R	109	N	Sewage Tanks	1938
102R	109	N	Sewage Tanks	1938
103R	109	N	Sewage Tanks	1922
104W	110	NW	Cuttings	1888
105W	110	NW	Cuttings	1888
106BF	112	SE	Cuttings	1879
107V	119	N	Railway Sidings	1938
108X	125	NW	Unspecified Tanks	1985
109X	125	NW	Unspecified Tanks	1973
110Y	126	NE	Unspecified Works	1985
111Y	126	NE	Unspecified Works	1973
112Y	126	NE	Unspecified Works	1991
113Z	142	NE	Unspecified Tanks	1985
114Z	142	NE	Unspecified Tanks	1973
115Z	142	NE	Unspecified Tanks	1991
116W	183	NW	Cuttings	1922
117W	183	NW	Cuttings	1947
118AC	183	N	Sewage Tanks	1938
119AA	183	NE	Sewage Tanks	1938
120AA	185	NE	Sewage Tanks	1947

121AA	185	NE	Sewage Tanks	1922
122AB	186	NW	Hydraulic Engineering Works	1922
123AB	186	NW	Hydraulic Engineering Works	1922
124W	186	NW	Cuttings	1900
125AA	186	NE	Sewage Tanks	1900
126W	186	NW	Cuttings	1938
127W	186	NW	Cuttings	1922
128W	186	NW	Cuttings	1938
129W	186	NW	Cuttings	1922
130AC	187	N	Sewage Tanks	1922
131AC	187	N	Sewage Tanks	1947
132W	188	NW	Cuttings	1938
133BH	189	NW	Cuttings	1938
134AC	198	NE	Unspecified Ground Workings	1938
135AC	201	NE	Sewage Tanks	1922
136AC	201	NE	Sewage Tanks	1938
137AC	201	NE	Sewage Tanks	1922
138AC	201	NE	Sewage Tanks	1938
139AD	204	SW	Watercress Beds	1938
140AD	204	SW	Watercress Beds	1922
141AD	204	SW	Watercress Beds	1938
142AD	204	SW	Watercress Beds	1922
143AO	207	W	Hydraulic Engineering Works	1922
144AE	208	NW	Unspecified Ground Workings	1922
145AE	208	NW	Unspecified Ground Workings	1922
146AC	210	NE	Sewage Tanks	1938
147AC	210	NE	Sewage Tanks	1922
148AC	210	NE	Sewage Tanks	1938
149AC	210	NE	Sewage Tanks	1922
150AC	212	NE	Sewage Tanks	1938
151AC	229	NE	Unspecified Heap	1973
152AC	238	NE	Sewage Tanks	1922
153AC	238	NE	Sewage Tanks	1938
154AC	238	NE	Sewage Tanks	1922
155AC	238	NE	Sewage Tanks	1938
156AX	244	NW	Unspecified Ground Workings	1938
157AF	255	SE	Railway Building	1938
158AF	255	SE	Railway Building	1947
159AF	255	SE	Railway Building	1922
160AG	288	NW	Unspecified Ground Workings	1922

161AG	288	NW	Unspecified Ground Workings	1922
162AH	290	W	Miniature Rifle Range	1985
163AH	290	W	Miniature Rifle Range	1973
164AH	290	W	Miniature Rifle Range	1991
165	299	SE	Railway Building	1879
166AI	305	NE	Unspecified Heap	1985
167AI	305	NE	Unspecified Heap	1991
168AI	305	NE	Unspecified Heap	1973
169AJ	326	N	Motor Works	1938
170AJ	326	N	Motor Works	1938
171AJ	339	NW	Motor Works	1938
172AK	344	N	Filter Beds	1922
173AK	344	N	Filter Beds	1947
174AK	344	N	Unspecified Ground Workings	1938
175AK	344	N	Unspecified Ground Workings	1922
176AK	344	N	Unspecified Ground Workings	1938
177AK	344	N	Unspecified Ground Workings	1922
178AK	349	N	Filter Beds	1938
179AK	350	N	Unspecified Tanks	1938
180AK	350	N	Unspecified Tanks	1922
181AK	350	N	Unspecified Tanks	1938
182AK	350	N	Unspecified Tanks	1922
183AK	354	N	Unspecified Ground Workings	1938
184AK	360	N	Unspecified Tanks	1938
185AL	386	N	Unspecified Tanks	1991
186AL	386	N	Unspecified Tanks	1973
187AL	386	N	Unspecified Tanks	1985
188	476	NE	Airport	1973
189AM	494	N	Sedimentation Tanks	1938
190AM	494	N	Sedimentation Tanks	1922
191AM	494	N	Sedimentation Tanks	1938
192AM	494	N	Sedimentation Tanks	1922
193	496	NW	Railway Sidings	1973
194AM	499	N	Sedimentation Tanks	1947
195AM	499	N	Sedimentation Tanks	1922
196AM	499	N	Sedimentation Tanks	1938

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary:

59

ID	Distance (m)	Direction	Use	Date
197U	70	N	Sewage Tanks	1924
198U	78	NE	Sewage Tanks	1901
199X	125	NW	Unspecified Tank	1984
200X	128	NW	Unspecified Tank	1984
201Z	139	NE	Tanks	1993
202Z	140	NE	Unspecified Tank	1971
203Z	140	NE	Tanks	1984
204Z	140	NE	Tanks	1974
205Z	140	NE	Tanks	1962
206X	144	NW	Unspecified Tank	1968
207X	145	NW	Unspecified Tank	1984
208X	145	NW	Unspecified Tank	1984
209Z	154	NE	Unspecified Tank	1971
210Z	158	NE	Tanks	1993
211Z	158	NE	Unspecified Tank	1971
212Z	158	NE	Tanks	1962
213Z	158	NE	Tanks	1974
214Z	159	NE	Tanks	1984
215Z	174	NE	Unspecified Tank	1971
216AA	187	NE	Sewage Tanks	1901
217AA	187	NE	Sewage Tanks	1924
218AC	203	NE	Sewage Tanks	1924
219AC	203	NE	Sewage Tanks	1901
220AC	214	NE	Sewage Tanks	1901
221AC	214	NE	Sewage Tanks	1924
222AN	217	NW	Unspecified Tank	1996
223AN	223	NW	Unspecified Tank	1996
224AO	244	NW	Unspecified Tank	1996
225AQ	270	NE	Tanks	1993
226AP	276	NW	Unspecified Tank	1984
227AP	276	NW	Unspecified Tank	1968
228AP	276	NW	Unspecified Tank	1961
229AQ	282	NE	Tanks	1984
230AR	284	NW	Unspecified Tank	1924
231AS	288	NE	Tanks	1993
232AS	289	NE	Tanks	1974
233AS	289	NE	Tanks	1984

234AU	304	NE	Tanks	1993
235AS	307	NE	Unspecified Tank	1993
236AS	307	NE	Tanks	1974
237AS	308	NE	Tanks	1984
238AQ	316	NE	Tanks	1984
239AT	321	NW	Unspecified Tank	1996
240AT	322	NW	Unspecified Tank	1986
241	339	NE	Tanks	1993
242AU	350	NE	Tanks	1984
243AL	385	N	Tanks	1975
244AL	385	N	Tanks	1961
245AL	386	N	Unspecified Tank	1962
246AL	386	N	Unspecified Tank	1993
247AV	389	NW	Unspecified Tank	1995
248AV	389	NW	Unspecified Tank	1995
249AL	393	N	Unspecified Tank	1962
250AL	393	N	Unspecified Tank	1993
251AL	405	N	Unspecified Tank	1962
252AL	405	N	Unspecified Tank	1993
253AL	411	N	Unspecified Tank	1962
254AL	411	N	Unspecified Tank	1993
255AM	496	N	Sedimentation Tanks	1924

1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary:

19

ID	Distance (m)	Direction	Use	Date
256AW	180	E	Electricity Substation	1993
257AW	180	E	Electricity Substation	1984
258AN	213	NW	Electricity Substation	1996
259	262	N	Electricity Substation	1996
260	272	W	Electricity Substation	1995
261AX	272	NW	Electricity Substation	1996
262AX	274	NW	Electricity Substation	1986
263AG	279	NW	Electricity Substation	1996
264AX	279	NW	Electricity Substation	1996
265AG	280	NW	Electricity Substation	1986
266AX	281	NW	Electricity Substation	1986
267AX	286	NW	Electricity Substation	1996
268AX	287	NW	Electricity Substation	1986

269AX	292	NW	Electricity Substation	1996
270AX	294	NW	Electricity Substation	1986
271AT	309	NW	Electricity Substation	1996
272AT	311	NW	Electricity Substation	1986
273AY	480	NW	Electricity Transmission Station	1995
274AY	480	NW	Electricity Transmission Station	1995

1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 7

ID	Distance (m)	Direction	Use	Date
275Q	63	NE	Motor Cars Engineering Works	1924
276Q	63	NE	Motor Cars Engineering Works	1924
277AZ	140	NW	Motor Vehicle Works	1968
278AZ	141	NW	Motor Vehicle Works	1984
279	336	N	Motor Vehicle Works	1975
280BA	352	N	Motor Vehicle Works	1984
281BA	353	N	Motor Vehicle Works	1968

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 155

The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

ID	Distance(m)	Direction	Use	Date
282BB	0	On Site	Cuttings	1900
283A	0	On Site	Cuttings	1947

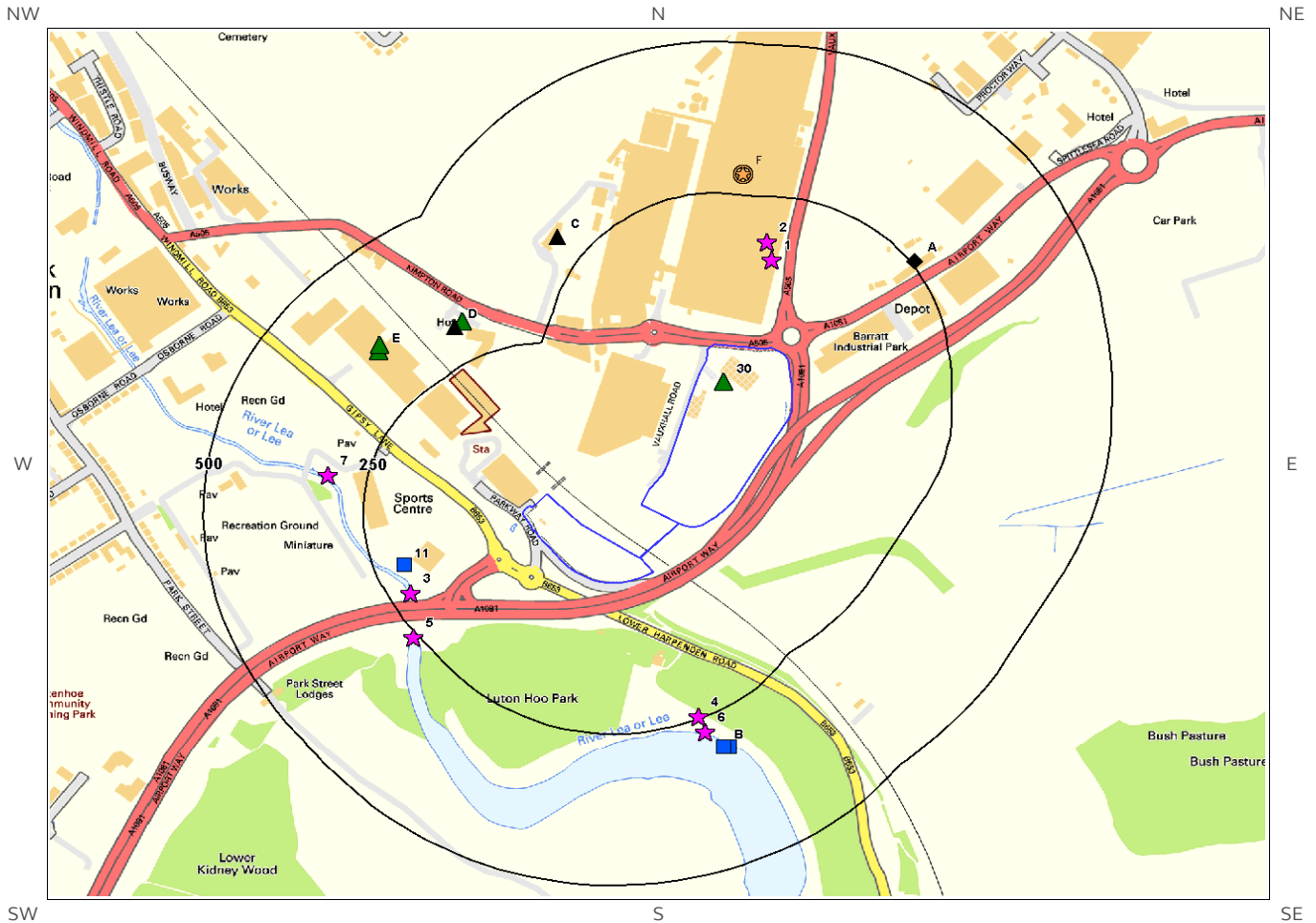
284A	0	On Site	Cuttings	1922
285A	0	On Site	Cuttings	1938
286J	0	On Site	Sewage Farm	1900
287C	0	On Site	Cuttings	1879
288A	0	On Site	Cuttings	1879
289A	0	On Site	Cuttings	1973
290BB	0	On Site	Cuttings	1991
291BB	0	On Site	Cuttings	1985
292G	0	On Site	Cuttings	1985
293G	0	On Site	Cuttings	1991
294H	0	On Site	Unspecified Heap	1973
295H	0	On Site	Unspecified Heap	1985
296A	0	On Site	Cuttings	1938
297A	0	On Site	Cuttings	1938
298A	0	On Site	Cuttings	1922
299A	0	On Site	Cuttings	1888
300C	0	On Site	Cuttings	1888
301A	0	On Site	Cuttings	1938
302A	0	On Site	Cuttings	1922
303A	0	On Site	Cuttings	1888
304C	0	On Site	Cuttings	1888
305BC	0	On Site	Sewage Farm	1900
306BD	0	On Site	Sewage Farm	1938
307F	0	On Site	Sewage Farm	1947
308C	6	S	Cuttings	1938
309C	8	S	Cuttings	1922
310C	8	S	Cuttings	1922
311C	11	S	Cuttings	1947
312C	11	S	Cuttings	1922
313C	12	S	Cuttings	1900
314C	13	S	Cuttings	1938
315BE	14	S	Cuttings	1951
316T	16	SE	Cuttings	1951
317BD	20	N	Sewage Farm	1922
318M	21	N	Sewage Farm	1922
319M	21	N	Sewage Farm	1922
320P	26	W	Unspecified Heap	1973
321P	26	W	Unspecified Heap	1985
322C	27	S	Cuttings	1973
323T	32	SE	Cuttings	1900
324U	65	N	Sewage Tanks	1938
325U	67	N	Sewage Tanks	1947
326U	67	N	Sewage Tanks	1922
327R	71	N	Sewage Tanks	1938
328R	71	N	Sewage Tanks	1922
329R	71	N	Sewage Tanks	1922

330R	71	N	Sewage Tanks	1938
331T	72	SE	Cuttings	1985
332T	74	SE	Cuttings	1991
333U	75	N	Ponds	1900
334U	79	N	Unspecified Ground Workings	1938
335U	87	N	Sewage Tanks	1938
336U	102	NE	Sewage Tanks	1922
337U	102	NE	Sewage Tanks	1938
338U	102	NE	Sewage Tanks	1938
339U	102	NE	Sewage Tanks	1922
340	107	SW	Pond	1951
341W	108	NW	Cuttings	1879
342R	109	N	Sewage Tanks	1922
343R	109	N	Sewage Tanks	1938
344R	109	N	Sewage Tanks	1922
345R	109	N	Sewage Tanks	1938
346W	110	NW	Cuttings	1888
347W	110	NW	Cuttings	1888
348BF	112	SE	Cuttings	1879
349BG	112	N	Ponds	1938
350BG	112	N	Ponds	1922
351BG	112	N	Ponds	1922
352BG	112	N	Ponds	1938
353BG	113	N	Ponds	1938
354BG	115	N	Ponds	1922
355BG	115	N	Ponds	1947
356BI	128	N	Ponds	1938
357BH	183	NW	Cuttings	1922
358BH	183	NW	Cuttings	1947
359AC	183	N	Sewage Tanks	1938
360AA	183	NE	Sewage Tanks	1938
361AA	185	NE	Sewage Tanks	1922
362AA	185	NE	Sewage Tanks	1947
363BH	186	NW	Cuttings	1900
364AA	186	NE	Sewage Tanks	1900
365BH	186	NW	Cuttings	1938
366BH	186	NW	Cuttings	1922
367BH	186	NW	Cuttings	1938
368BH	186	NW	Cuttings	1922
369AC	187	N	Sewage Tanks	1922
370AC	187	N	Sewage Tanks	1947
371BH	188	NW	Cuttings	1938
372BI	188	N	Pond	1938
373BI	188	N	Pond	1922
374BI	188	N	Pond	1922















375BI	188	N	Pond	1938
376BH	189	NW	Cuttings	1938
377BI	189	N	Pond	1938
378BI	191	N	Pond	1922
379BI	191	N	Pond	1947
380AC	198	NE	Unspecified Ground Workings	1938
381AC	201	NE	Sewage Tanks	1922
382AC	201	NE	Sewage Tanks	1938
383AC	201	NE	Sewage Tanks	1922
384AC	201	NE	Sewage Tanks	1938
385AC	202	NE	Ponds	1900
386AD	204	SW	Watercress Beds	1938
387AD	204	SW	Watercress Beds	1922
388AD	204	SW	Watercress Beds	1938
389AD	204	SW	Watercress Beds	1922
390AE	208	NW	Unspecified Ground Workings	1922
391AE	208	NW	Unspecified Ground Workings	1922
392AC	210	NE	Sewage Tanks	1922
393AC	210	NE	Sewage Tanks	1922
394AC	210	NE	Sewage Tanks	1938
395AC	210	NE	Sewage Tanks	1938
396AC	212	NE	Sewage Tanks	1938
397AC	229	NE	Unspecified Heap	1973
398AC	238	NE	Sewage Tanks	1922
399AC	238	NE	Sewage Tanks	1938
400AC	238	NE	Sewage Tanks	1938
401AC	238	NE	Sewage Tanks	1922
402BJ	240	SW	Pond	1938
403BJ	240	SW	Pond	1922
404BJ	240	SW	Pond	1938
405BJ	240	SW	Pond	1922
406AX	244	NW	Unspecified Ground Workings	1938
407BK	262	N	Pond	1938
408BK	262	N	Pond	1938
409BK	262	N	Pond	1922
410BK	262	N	Pond	1922
411BK	262	N	Pond	1938
412BK	263	N	Pond	1947
413BK	263	N	Pond	1922
414AQ	271	NE	Ponds	1973
415AG	288	NW	Unspecified Ground Workings	1922
416AG	288	NW	Unspecified Ground Workings	1922

417AI	305	NE	Unspecified Heap	1973
418AI	305	NE	Unspecified Heap	1991
419AI	305	NE	Unspecified Heap	1985
420AK	344	N	Filter Beds	1922
421AK	344	N	Filter Beds	1947
422AK	344	N	Unspecified Ground Workings	1922
423AK	344	N	Unspecified Ground Workings	1922
424AK	344	N	Unspecified Ground Workings	1938
425AK	344	N	Unspecified Ground Workings	1938
426AK	349	N	Filter Beds	1938
427AK	354	N	Unspecified Ground Workings	1938
428	356	NE	Ponds	1973
429	433	SE	Pond	1899
430AM	494	N	Sedimentation Tanks	1922
431AM	494	N	Sedimentation Tanks	1938
432AM	494	N	Sedimentation Tanks	1922
433AM	494	N	Sedimentation Tanks	1938
434AM	499	N	Sedimentation Tanks	1947
435AM	499	N	Sedimentation Tanks	1922
436AM	499	N	Sedimentation Tanks	1938

2. Environmental Permits, Incidents and Registers Map



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- | | | | | | |
|---|-------------------------------|---|--|---|---|
|  | Site Outline |  | Recorded Pollution Incident |  | RAS 3 & 4 Authorisations |
|  | Dangerous Substances (List 1) |  | Part A(1) Authorised Processes and Historic IPC Authorisations |  | Part A(2) and Part B Authorised Processes |
|  | Dangerous Substances (List 2) |  | Water Industry Referrals |  | COMAH / NIHHS Sites |
|  | Search Buffers (m) |  | Licensed Discharge Consents |  | Sites Determined as Contaminated Land |
| | |  | Red List Discharge Consents |  | Hazardous Substance Consents and Enforcements |

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency/Natural Resources Wales and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

10

The following Part A(1) and IPPC Authorised Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
35C	298	NW	510640 220840	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: COATING, PRINTING AND TEXTILES; USING ORGANIC SOLVENTS >150KG/HR OR 200 T/A UNLESS 6.4 A(1) Permit Number: FP3836CR Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 17/7/2012 Effective Date: 17/7/2012 Last date noted as effective: 2017-11-30 Status: Superseded
36C	298	NW	510640 220840	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: COMBUSTION; ANY FUEL =>50MW Permit Number: FP3836CR Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 17/7/2012 Effective Date: 17/7/2012 Last date noted as effective: 2017-11-30 Status: Superseded
37C	298	NW	510640 220840	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: NP3232ET Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 28/2/2014 Effective Date: 28/2/2014 Last date noted as effective: 2017-11-30 Status: Effective

ID	Distance (m)	Direction	NGR	Details	
38C	298	NW	510640 220840	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: NP3232ET Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 28/2/2014 Effective Date: 28/2/2014 Last date noted as effective: 2017-11-30 Status: Effective
39C	298	NW	510640 220840	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: COATING, PRINTING AND TEXTILES; USING ORGANIC SOLVENTS >150KG/HR OR 200 T/A UNLESS 6.4 A(1)	Permit Number: NP3232ET Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 28/2/2014 Effective Date: 28/2/2014 Last date noted as effective: 2017-11-30 Status: Effective
40C	298	NW	510640 220840	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M	Permit Number: FP3836CR Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 17/7/2012 Effective Date: 17/7/2012 Last date noted as effective: 2017-11-30 Status: Superseded
41D	308	NW	510480 220690	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M	Permit Number: BJ9428IH Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 30/4/2004 Effective Date: 30/4/2004 Last date noted as effective: 2017-11-30 Status: Superseded
42D	308	NW	510480 220690	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: BJ9428IH Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 30/4/2004 Effective Date: 30/4/2004 Last date noted as effective: 2017-11-30 Status: Superseded
43D	308	NW	510480 220690	Operator: Ibc Vehicles Ltd Installation Name: - Process: SURFACE TREATING METALS & PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M	Permit Number: BJ9428 Original Permit Number: BJ9428 EPR Reference: - Issue Date: 30-4-2004 Effective Date: 30-4-2004 Last date noted as effective: 2004-10-01 Status: Superseded By Pas
44D	308	NW	510480 220690	Operator: Ibc Vehicles Limited Installation Name: Ibc Vehicles Ltd Process: COATING, PRINTING AND TEXTILES; USING ORGANIC SOLVENTS >150KG/HR OR 200 T/A UNLESS 6.4 A(1)	Permit Number: BJ9428IH Original Permit Number: BJ9428IH EPR Reference: - Issue Date: 30/4/2004 Effective Date: 30/4/2004 Last date noted as effective: 2017-11-30 Status: Superseded

2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:

0

Database searched and no data found.

2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:

3

The following List 1 Dangerous Substance Inventory Site records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
8A	255	NE	511200 220800	Name: Vauxhall Motors Kimpton Road Luton Status: Not Active Receiving Water: - Authorised Substances: -
9A	255	NE	511200 220800	Name: Vauxhall Motors Ltd, Kimpton Road, Luton Status: Not Active Receiving Water: Lee Authorised Substances: Mercury (other), Cadmium
10A	255	NE	511200 220800	Name: Vauxhall Motors Kimpton Road Luton Status: Not Active Receiving Water: - Authorised Substances: -

2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

4

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
30	0	On Site	510899 220600	Address: Ibc Vehicles, Kimpton Rd, Luton, Bedfordshire, LU2 0TY Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices

ID	Distance (m)	Direction	NGR	Details	
31D	312	NW	510491 220700	Address: Vauxhall Motors, Kimpton Rd, Luton, Bedfordshire, LU2 0TB Process: Combustion & Incineration Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices
32E	346	NW	510362 220650	Address: T & D Automotive, Kimpton Rd Process: coating & enamelling process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices
33E	353	NW	510362 220661	Address: Vauxhall Motors, Kimpton Rd, Luton, Bedfordshire, LU2 0TB Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

9

The following Licensed Discharge Consents records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
11	205	SW	510400 220300	Address: CAPABILITY GREEN BUSINESS PARK, LUT, CAPABILITY GREEN BUSINESS PARK, LUTON, BEDS Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.1096 Permit Version: 1	Receiving Water: RIVER LEE (LUTON HOO LAKE) Status: REVOKED - UNSPECIFIED Issue date: 31/07/1986 Effective Date: 31-Jul-1986 Revocation Date: 24/03/1992
12B	308	SE	510900 220000	Address: THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM, LUTON HOO, LUTON, BEDFORDSHIRE Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CNTM.0213 Permit Version: 1	Receiving Water: RIVER LEE Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/05/1992 Effective Date: 07-May-1992 Revocation Date: 07/03/1993
13B	308	SE	510900 220000	Address: THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM, LUTON HOO, LUTON, BEDFORDSHIRE Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CNTM.0213 Permit Version: 2	Receiving Water: RIVER LEE Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/05/1992 Effective Date: 08-Mar-1993 Revocation Date: -

ID	Distance (m)	Direction	NGR	Details	
14B	308	SE	510900 220000	Address: THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM, LUTON HOO, LUTON, BEDFORDSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CNTM.0213 Permit Version: 2	Receiving Water: RIVER LEE Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/05/1992 Effective Date: 08-Mar-1993 Revocation Date: -
15B	308	SE	510900 220000	Address: THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM, LUTON HOO, LUTON, BEDFORDSHIRE Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CNTM.0213 Permit Version: 2	Receiving Water: RIVER LEE Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/05/1992 Effective Date: 08-Mar-1993 Revocation Date: -
16B	308	SE	510900 220000	Address: THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM, LUTON HOO, LUTON, BEDFORDSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CNTM.0213 Permit Version: 1	Receiving Water: RIVER LEE Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/05/1992 Effective Date: 07-May-1992 Revocation Date: 07/03/1993
17B	308	SE	510900 220000	Address: THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM, LUTON HOO, LUTON, BEDFORDSHIRE Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CNTM.0213 Permit Version: 1	Receiving Water: RIVER LEE Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/05/1992 Effective Date: 07-May-1992 Revocation Date: 07/03/1993
18B	312	SE	510910 220000	Address: COMBINED SEWER OVERFLOW, KIMPTON RD, LUTON, LU2 0JY Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CANM.0473 Permit Version: 1	Receiving Water: THE RIVER LEE Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/09/2002 Effective Date: 26-Sep-2002 Revocation Date: 22/06/2003
19B	312	SE	510910 220000	Address: COMBINED SEWER OVERFLOW, KIMPTON RD, LUTON, LU2 0JY Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CANM.0473 Permit Version: 2	Receiving Water: THE RIVER LEE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 26/09/2002 Effective Date: 23-Jun-2003 Revocation Date: -

2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:

0

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

1

The following records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	Application Reference Number	NGR	Application Status	Application Date	Address	Details	Details of Enforcement Action
45F	284	N	No Details	510930 220945	Historical Consent	No Details	IBC Vehicles Ltd, PO Box 163, Kimpton Road, Luton, Bedfordshire, LU2 0TY	No details.	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site:

0

Database searched and no data found.

2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

7

The following NIRS List 2 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
1	145	N	510974 220804	Incident Date: 13-Aug-2012 Incident Identification: 1025254 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
2	176	N	510968 220834	Incident Date: 22-Jul-2013 Incident Identification: 1137214 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
3	220	SW	510409 220253	Incident Date: 15-Nov-2002 Incident Identification: 121024 Pollutant: Contaminated Water Pollutant Description: Urban Run-Off Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4	246	S	510860 220050	Incident Date: 26-Jul-2001 Incident Identification: 19403 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Distance (m)	Direction	NGR	Details	
5	259	SW	510414 220180	Incident Date: 28-Feb-2012 Incident Identification: 965669 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6	273	S	510871 220025	Incident Date: 01-Aug-2002 Incident Identification: 123305 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7	313	W	510280 220448	Incident Date: 30-Jul-2002 Incident Identification: 95716 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

0

Database searched and no data found.

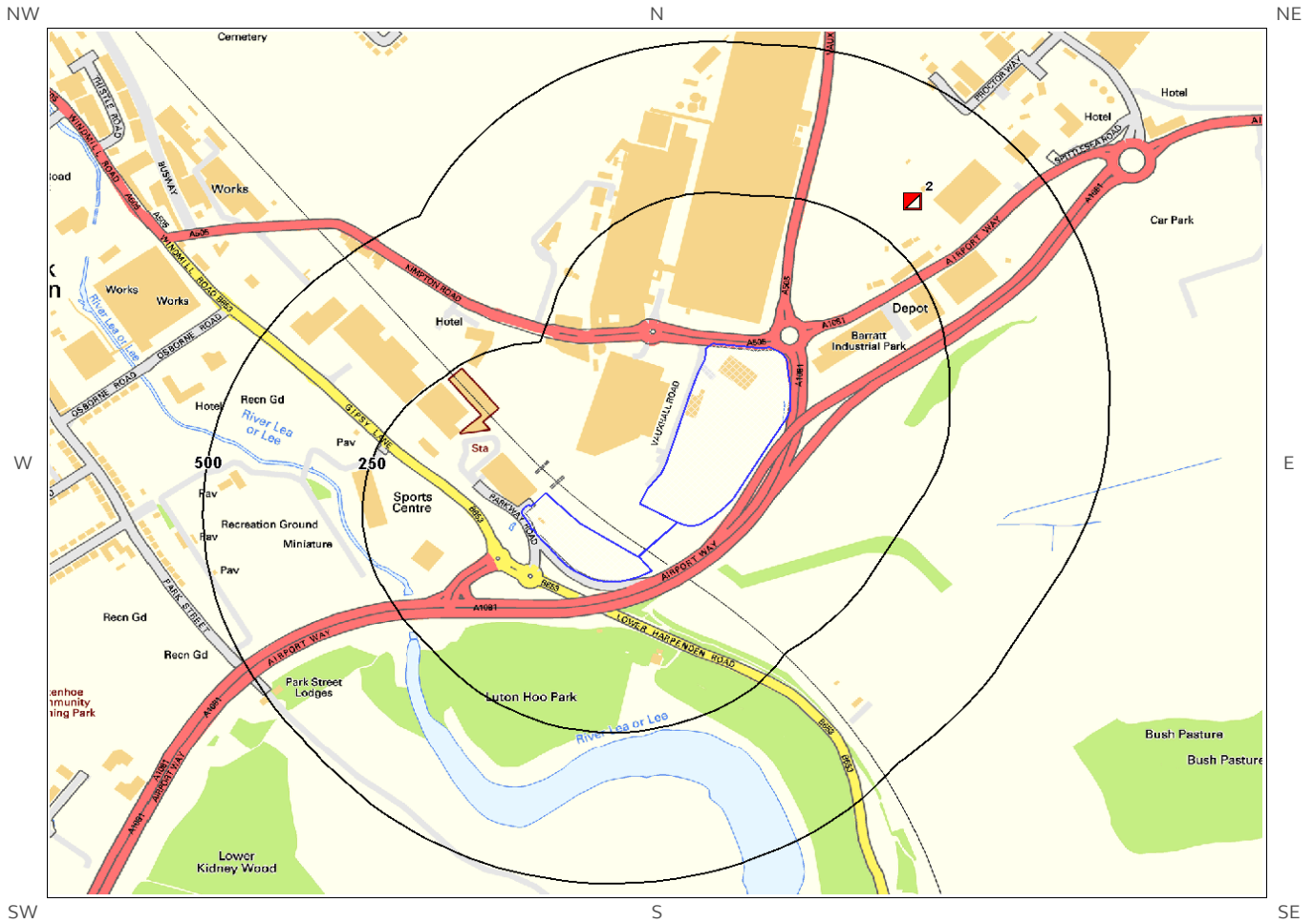
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?










0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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- | | | | | | |
|---|------------------------|---|---------------------------|---|---|
|  | Site Outline |  | EA/NRW Active Landfill |  | Historic and Planned Waste Sites |
|  | 250 Search Buffers (m) |  | EA/NRW Historic Landfill |  | EA/NRW Licensed Waste Site |
|  | 500 Search Buffers (m) |  | BGS / DoE Survey Landfill |  | Local Authority/Historical Mapping Landfill Records |

3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site:

1

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1459	NE	512400 221700	Site Address: Luton Airport, Eaton Green Road, Luton, Bedfordshire Waste Licence: - Site Reference: 7/1976, 32/1993 Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: Luton County Borough Council Licence Holder: Luton Borough Council First Recorded: 01-Jan-1937 Last Recorded: 01-Jan-1978

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

0

Database searched and no data found.

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

1

The following landfill records are represented as points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
Not shown	1458	NE	512489 221635	Refuse Tip	1971 mapping	Polygon

3.2 Other Waste Sites

3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:

0

Database searched and no data found.

3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

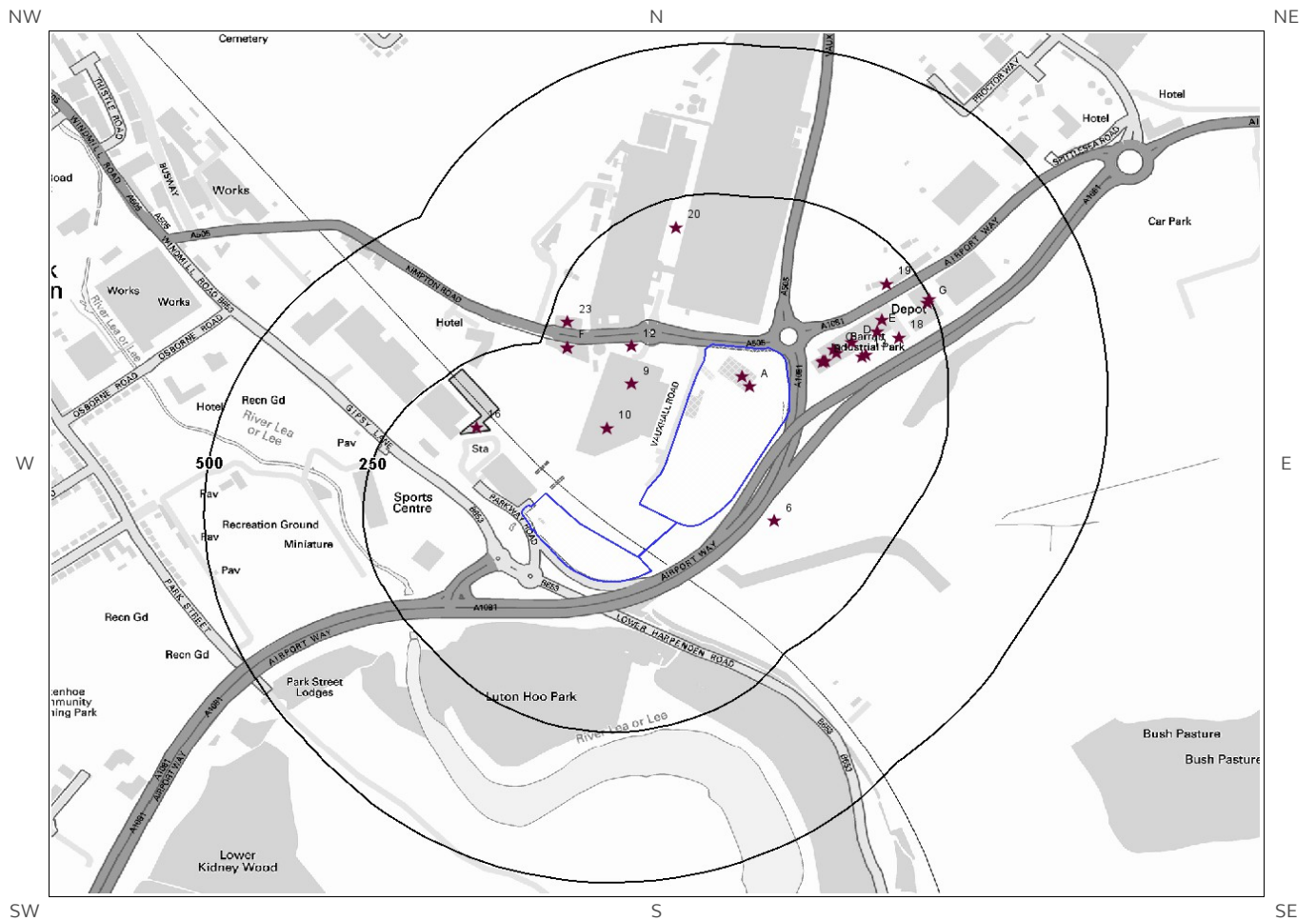
3

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
2	325	NE	511200 220900	<p>Site Address: Andy Ronald, Central Services, Kimpton Road, Luton, Bedfordshire, LU2 0TY Type: In-House Storage Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VAU001 EPA reference: EA/EPR/LP3197NX/V003 Operator: Vauxhall Motors Ltd Waste Management licence No: 80459 Annual Tonnage: 75000.0</p> <p>Issue Date: 22/04/1981 Effective Date: - Modified: 30/06/1997 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC Site Name: Vauxhall Airport Way (Kimpton Lane) Correspondence Address: -</p>
Not shown	1416	NW	509676 221473	<p>Site Address: Crescent Road Railway Yard, Church Street, Luton, Beds, LU1 3JG Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BAW001 EPA reference: - Operator: B & A Waste Services Limited Waste Management licence No: 80543 Annual Tonnage: 54000.0</p> <p>Issue Date: 26/03/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Crescent Road Railway Yard Correspondence Address: Ryebank, 6, Priory Close, Turvey, Beds, MK43 8BG</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1416	NW	509676 221473	Site Address: British Rail Estate, Church Street, Luton, Bedfordshire, LU1 3JG Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BAW001 EPR reference: EA/EPR/HP3997NA/A001 Operator: B & A Waste Services Ltd Waste Management licence No: 80543 Annual Tonnage: 54000.0	Issue Date: 26/03/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired Site Name: Crescent Road Railway Yard Correspondence Address: -

4. Current Land Use Map



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-  Site Outline
-  Current Industrial Sites
-  Electricity Transmission Cables
-  Petrol & Fuel Sites
-  Gas Transmission Pipelines
-  Search Buffers (m)

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site:

25

The following records are represented as points on the Current Land Uses map.

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1A	0	On Site	Electricity Sub Station	510945 220596	LU2	Electrical Features	Infrastructure and Facilities
2A	0	On Site	Thurlow Nunn	510933 220611	Kimpton Road, Luton, LU2 0TB	New Vehicles	Motoring
3B	57	E	Alamo Rent A Car	511060 220637	Unit 1 Barratt Industrial Eastate, Luton, LU2 9NH	Vehicle Hire and Rental	Hire Services
4B	59	E	Europcar	511061 220638	Unit 1 Barratt Industrial Eastate, Luton, LU2 9NH	Vehicle Hire and Rental	Hire Services
5B	62	E	National Car Rental	511064 220638	Barratt Industrial Park, Airport Way, Luton, LU2 9NH	Vehicle Hire and Rental	Hire Services
6	74	SE	Runway Approach Light	510984 220373	LU2	Aeronautical Features	Air
7C	78	E	Powermode	511077 220657	Unit 2 Barratt Industrial Park, Airport Way, Luton, LU2 9NH	Electrical and Electronic Engineers	Engineering Services
8C	81	E	I C W Powermode	511081 220650	Unit 2 Barratt Industrial Park, Airport Way, Luton, LU2 9NH	Electrical Production and Manipulation Equipment	Industrial Products
9	93	W	Depot	510759 220600	LU2	Container and Storage	Transport, Storage and Delivery
10	106	W	Depot	510721 220527	LU1	Container and Storage	Transport, Storage and Delivery
11D	108	E	Agility Logistics	511104 220668	Unit 3 Barratt Industrial Park, Airport Way, Luton, LU2 9NH	Distribution and Haulage	Transport, Storage and Delivery
12	113	NW	Electricity Sub Station	510759 220663	LU2	Electrical Features	Infrastructure and Facilities
13	120	E	Barratt Industrial Park	511122 220646	LU2	Business Parks and Industrial Estates	Industrial Features
14D	126	E	Europcar	511127 220648	Barratt Industrial Park, Airport Way, Luton, LU2 9NH	Vehicle Hire and Rental	Hire Services
15E	153	E	Gledhill Building Products	511146 220687	Unit 7 Barratt Industrial Park, Airport Way, Luton, LU2 9NH	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
16	154	NW	Luton Airport Parkway Rail Station	510515 220528	LU1	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
17E	166	NE	Bell Packaging	511153 220705	Unit 8 Barratt Industrial Park, Airport Way, Luton, LU2 9NH	Packaging	Industrial Products
18	183	E	Electricity Sub Station	511180 220677	LU2	Electrical Features	Infrastructure and Facilities
19	203	NE	Works	511161 220766	LU2	Unspecified Works Or Factories	Industrial Features
20	204	N	Works	510829 220860	LU2	Unspecified Works Or Factories	Industrial Features
21F	207	W	Print Mule Ltd	510658 220660	Suite 28 Hart House Business Centre, Kimpton Road, Luton, LU2 0LA	Printing Related Machinery	Industrial Products
22F	207	W	Hart House Business Centre	510658 220660	Kimpton Road, Luton, LU2 0LA	Business Parks and Industrial Estates	Industrial Features
23	222	W	G M Daewoo UK Ltd	510658 220703	Wyvern House 15, Kimpton Road, Luton, LU2 0FP	Vehicles	Industrial Products
24G	243	NE	Depot	511225 220734	LU2	Container and Storage	Transport, Storage and Delivery
25G	249	NE	Europa Components	511227 220741	Europa House Barratt Industrial Park, Airport Way, Luton, LU2 9NH	Distribution and Haulage	Transport, Storage and Delivery

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site: 0

Database searched and no data found.

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site: 0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site: 0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

5.2 Superficial Ground and Drift Geology

Database searched and no data found.

The database has been searched on site, including a 50m buffer.

5.3 Bedrock and Solid Geology

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED)	CHALK
CKR-CHLK	CHALK ROCK MEMBER	CHALK
LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED)	CHALK
HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED)	CHALK
CKR-CHLK	CHALK ROCK MEMBER	CHALK

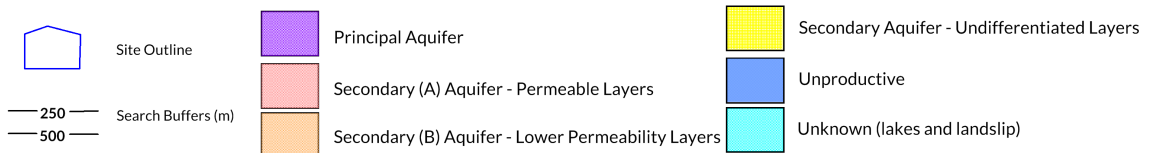
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

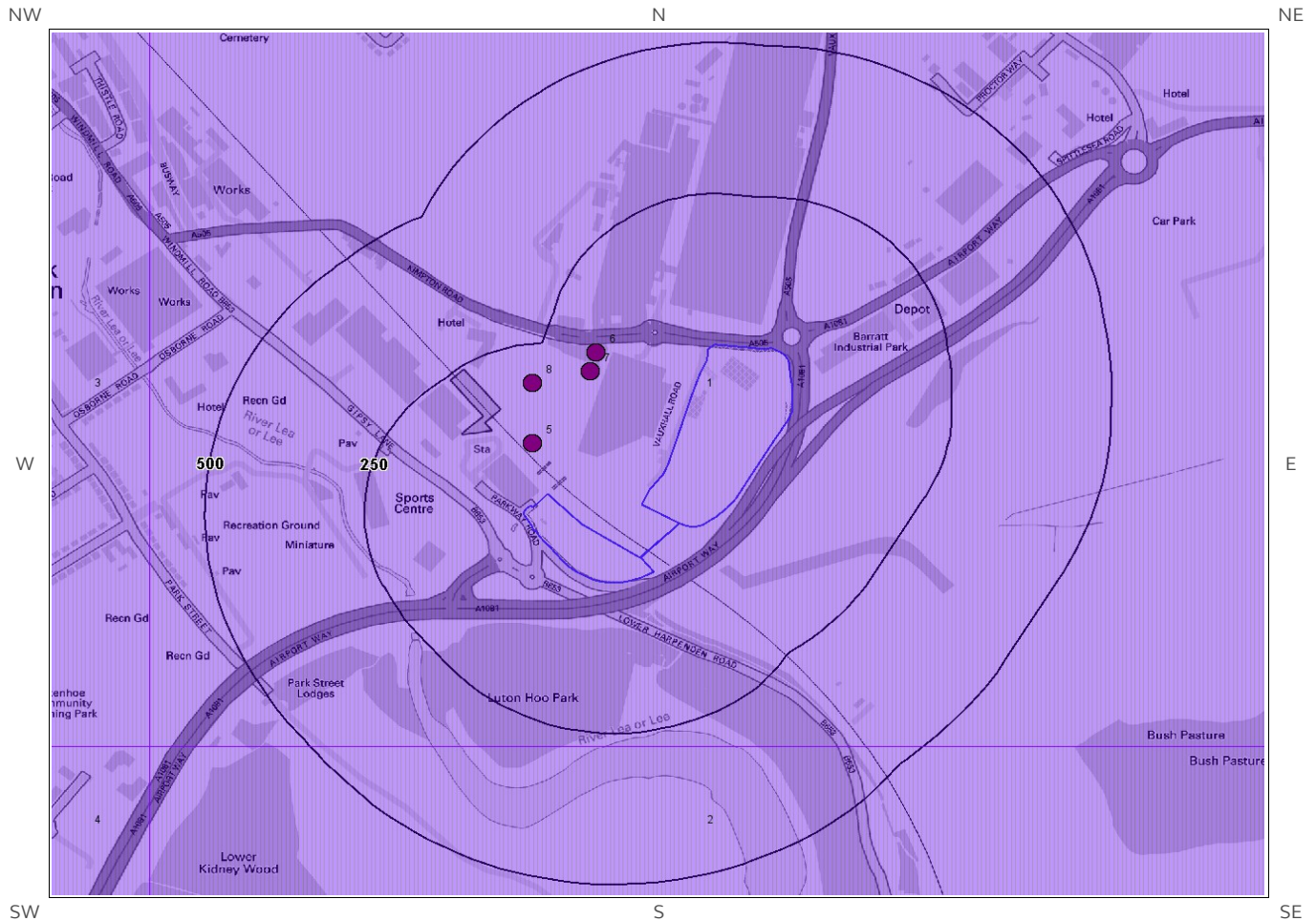
6a. Aquifer Within Superficial Geology



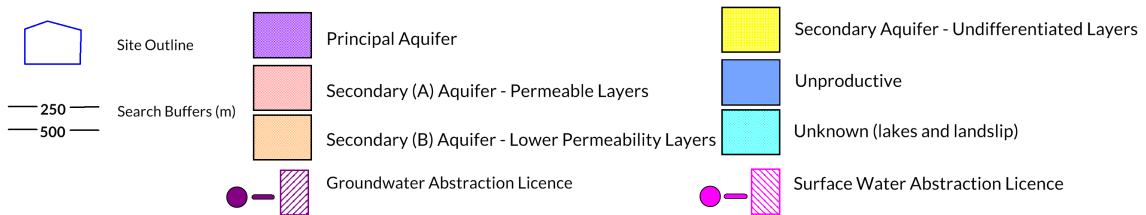
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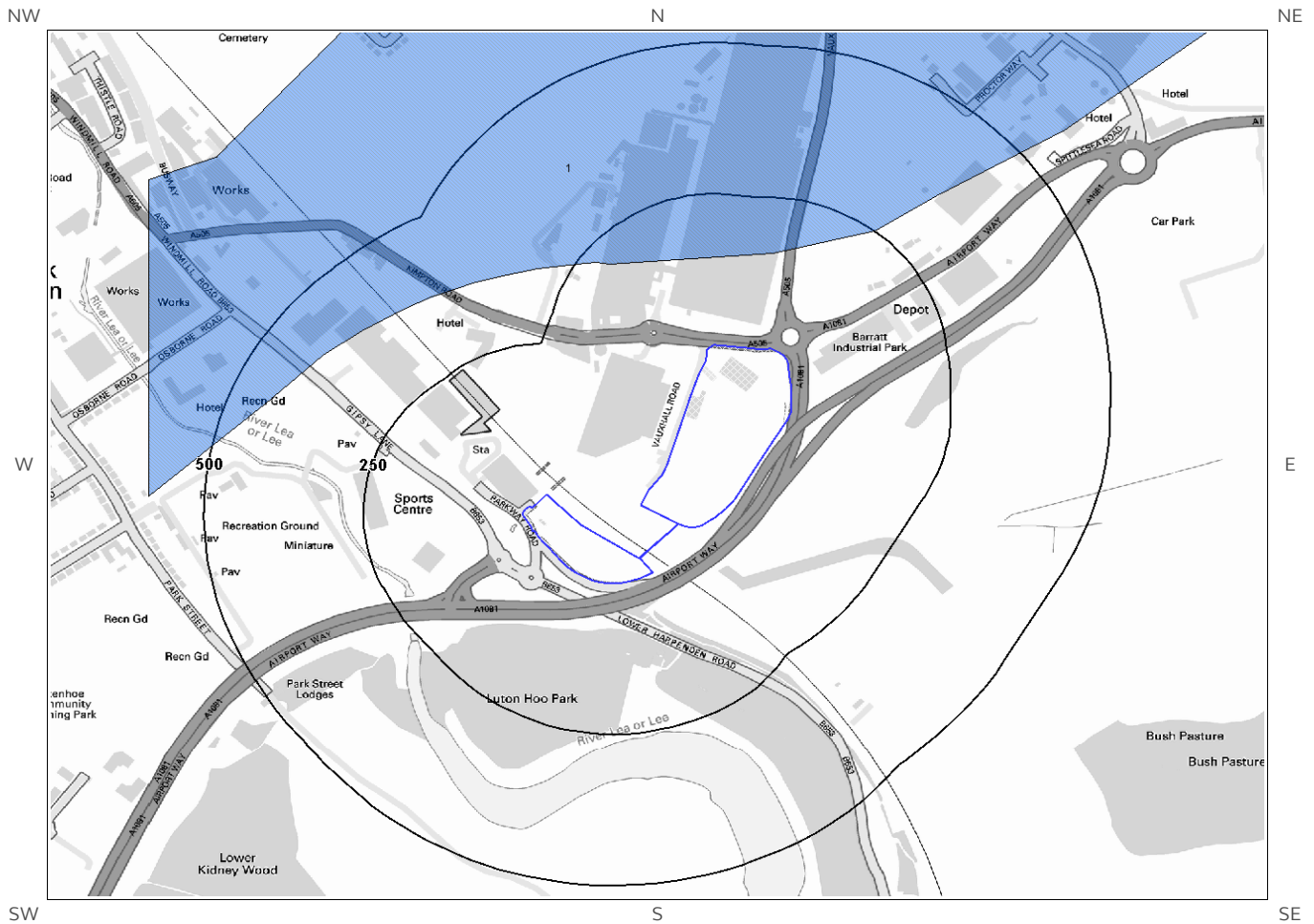
6b. Aquifer Within Bedrock Geology and Abstraction Licenses



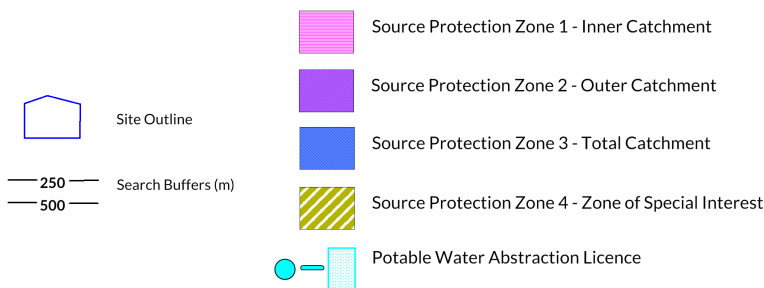
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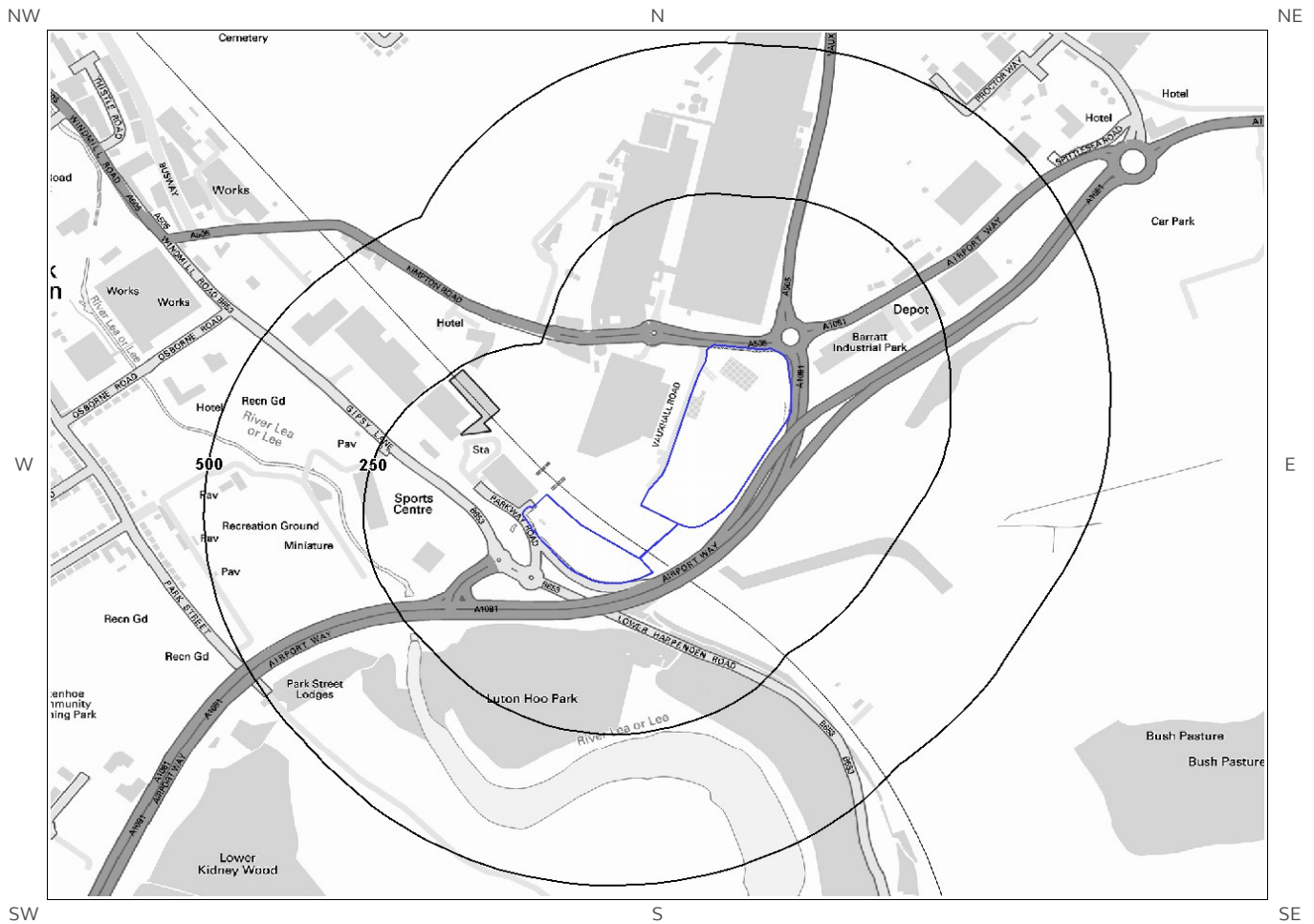
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



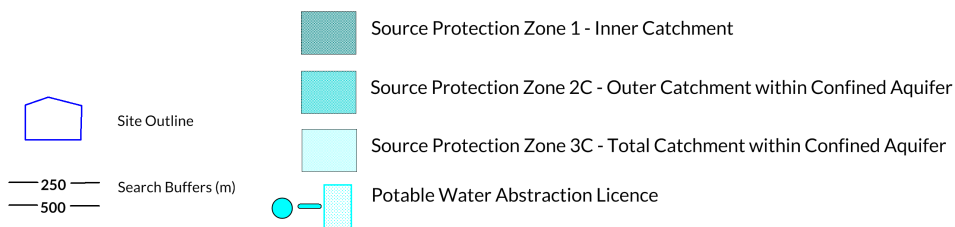
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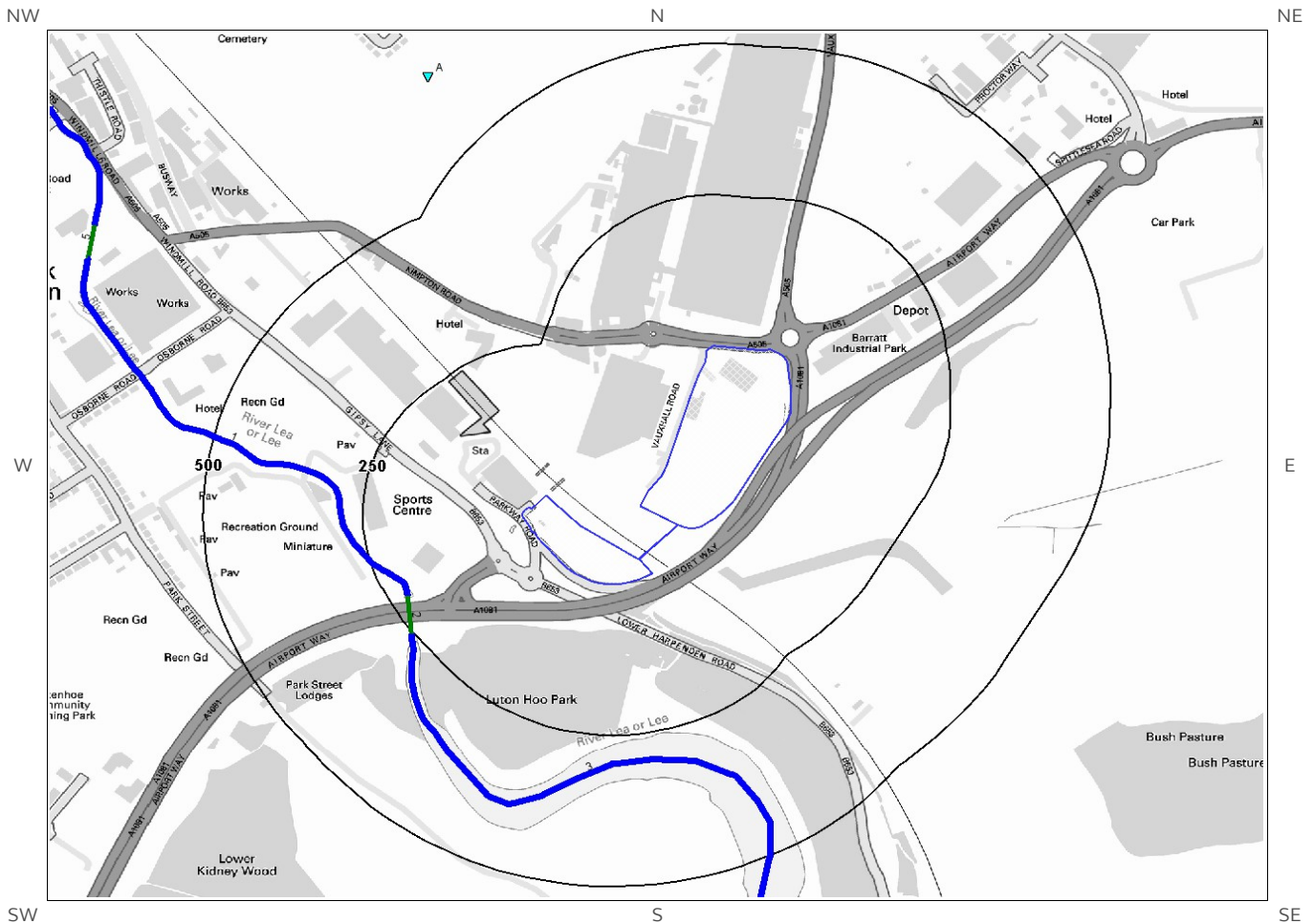
6d. Hydrogeology – Source Protection Zones within confined aquifer



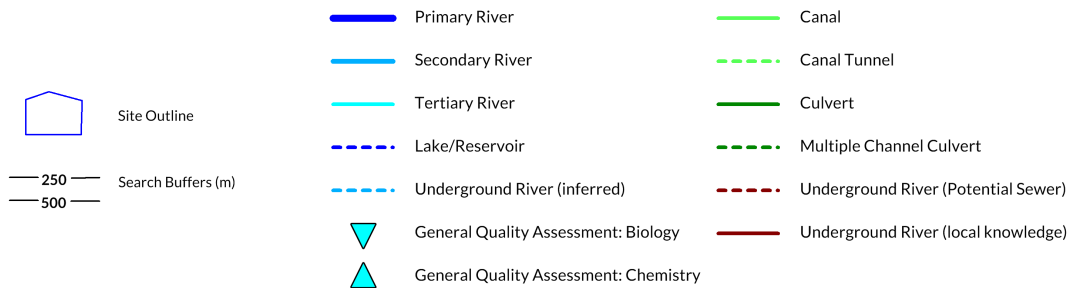
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6e. Hydrology – Detailed River Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of strata classification within the superficial geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (6a):

ID	Distance (m)	Direction	Designation	Description
10	143	SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
1	153	SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	231	S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
3	271	S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	357	SE	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
7	382	SE	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	455	NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

6.2 Aquifer within Bedrock Deposits

Are there records of strata classification within the bedrock geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

ID	Distance (m)	Direction	Designation	Description
2	271	S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 2000m of the study site? Yes

The following Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
5	86	N	510600 220500	<p>Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton, Borehole 'a' Data Type: Point Name: IBC VEHICLES LIMITED</p> <p>Annual Volume (m³): 2636738 Max Daily Volume (m³): 11724.4 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/5/2005 Version End Date:</p>
6	165	W	510700 220650	<p>Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton - Borehole B Data Type: Point Name: IBC VEHICLES LIMITED</p> <p>Annual Volume (m³): 2636738 Max Daily Volume (m³): 11724 Original Application No: NPS/WR/021985 Original Start Date: 20/3/1966 Expiry Date: - Issue No: 103 Version Start Date: 3/2/2016 Version End Date:</p>
7	165	W	510690 220620	<p>Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton - Borehole A Data Type: Point Name: IBC VEHICLES LIMITED</p> <p>Annual Volume (m³): 2636738 Max Daily Volume (m³): 11724 Original Application No: NPS/WR/021985 Original Start Date: 20/3/1966 Expiry Date: - Issue No: 103 Version Start Date: 3/2/2016 Version End Date:</p>
8	184	N	510600 220600	<p>Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton, Borehole 'b' Data Type: Point Name: IBC VEHICLES LIMITED</p> <p>Annual Volume (m³): 2636738 Max Daily Volume (m³): 11724.4 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/5/2005 Version End Date:</p>
Not shown	536	N	510900 221200	<p>Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton, Borehole 'd' Data Type: Point Name: IBC VEHICLES LIMITED</p> <p>Annual Volume (m³): 2636738 Max Daily Volume (m³): 11724.4 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/5/2005 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	543	N	510800 221200	<p>Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton, Borehole 'c' Data Type: Point Name: IBC VEHICLES LIMITED</p> <p>Annual Volume (m³): 2636738 Max Daily Volume (m³): 11724.4 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/5/2005 Version End Date:</p>
Not shown	556	N	510870 221220	<p>Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton - Borehole C Data Type: Point Name: IBC VEHICLES LIMITED</p> <p>Annual Volume (m³): 2636738 Max Daily Volume (m³): 11724 Original Application No: NPS/WR/021985 Original Start Date: 20/3/1966 Expiry Date: - Issue No: 103 Version Start Date: 3/2/2016 Version End Date:</p>
Not shown	586	N	510870 221250	<p>Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton - Borehole D Data Type: Point Name: IBC VEHICLES LIMITED</p> <p>Annual Volume (m³): 2636738 Max Daily Volume (m³): 11724 Original Application No: NPS/WR/021985 Original Start Date: 20/3/1966 Expiry Date: - Issue No: 103 Version Start Date: 3/2/2016 Version End Date:</p>
Not shown	1005	NW	509670 220800	<p>Status: Historical Licence No: 29/38/01/0106 Details: Pollution Remediation Direct Source: Thames Groundwater Point: 120 Park Street, Luton, Bedfordshire - 32 Boreholes Data Type: Point Name: URS CORPORATION LIMITED</p> <p>Annual Volume (m³): 35040 Max Daily Volume (m³): 96 Original Application No: GEN/1/22 Original Start Date: 10/10/2007 Expiry Date: 31/3/2012 Issue No: 1 Version Start Date: 10/10/2007 Version End Date:</p>
Not shown	1231	NW	509450 220860	<p>Status: Active Licence No: 29/38/01/0067 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Albert Road Data Type: Point Name: Affinity Water Limited</p> <p>Annual Volume (m³): 1663870 Max Daily Volume (m³): 5228 Original Application No: NPS/WR/011805 Original Start Date: 20/10/1969 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date:</p>
Not shown	1562	NW	509600 221600	<p>Status: Active Licence No: 29/38/01/0008 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Crescent Road Pumping Station Data Type: Point Name: Affinity Water Limited</p> <p>Annual Volume (m³): 10398011 Max Daily Volume (m³): 29300 Original Application No: NPS/WR/011805 Original Start Date: 20/1/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date:</p>
Not shown	1591	NW	509420 221470	<p>Status: Historical Licence No: 29/38/01/0098 Details: Pollution Remediation Direct Source: Thames Groundwater Point: Point 'a' At Guildford Street Service Station, Luton. Data Type: Point Name: BP OIL UK LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1263 Original Start Date: 9/4/2002 Expiry Date: 30/4/2005 Issue No: 1 Version Start Date: 9/4/2002 Version End Date:</p>
Not shown	1591	NW	509420 221470	<p>Status: Historical Licence No: 29/38/01/0098 Details: Pollution Remediation Direct Source: Thames Groundwater Point: Guildford Street Service Station, Luton- Point A Data Type: Point Name: BP OIL UK LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1263 Original Start Date: 9/4/2002 Expiry Date: 30/4/2005 Issue No: 1 Version Start Date: 9/4/2002 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1591	NW	509420 221470	Status: Historical Licence No: 29/38/01/0100 Details: Pollution Remediation Direct Source: Thames Groundwater Point: Guildford Street Service Station, Luton-Point A Data Type: Point Name: BP OIL UK LIMITED	Annual Volume (m ³): 366000 Max Daily Volume (m ³): 1008 Original Application No: - Original Start Date: 22/10/2003 Expiry Date: 31/12/2013 Issue No: 1 Version Start Date: 22/10/2003 Version End Date:
Not shown	1831	SE	511500 218600	Status: Active Licence No: 29/38/01/0039 Details: General Farming & Domestic Direct Source: Thames Groundwater Point: The Gables Borehole A Data Type: Point Name: LUTON HOO PARK LIMITED	Annual Volume (m ³): 49779 Max Daily Volume (m ³): 181.8 Original Application No: - Original Start Date: 20/4/1966 Expiry Date: - Issue No: 102 Version Start Date: 1/4/1999 Version End Date:
Not shown	1831	SE	511500 218600	Status: Active Licence No: 29/38/01/0039 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: The Gables Borehole A Data Type: Point Name: LUTON HOO PARK LIMITED	Annual Volume (m ³): 49779 Max Daily Volume (m ³): 181.8 Original Application No: - Original Start Date: 20/4/1966 Expiry Date: - Issue No: 102 Version Start Date: 1/4/1999 Version End Date:
Not shown	1865	NW	509670 222080	Status: Historical Licence No: 28/39/01/0106 Details: Pollution Remediation Direct Source: Thames Groundwater Point: 120 Park Street, Luton Data Type: Point Name: URS CORPORATION LIMITED	Annual Volume (m ³): 35040 Max Daily Volume (m ³): 96 Original Application No: GEN/1/22 Original Start Date: 10/10/2007 Expiry Date: 31/3/2009 Issue No: 1 Version Start Date: 10/10/2007 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 2000m of the study site? No

Database searched and no data found.

6.5 Potable Water Abstraction Licences

Are there any Potable Water Abstraction Licences within 2000m of the study site? Yes

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (6c):

ID	Distance (m)	Direction	NGR	Details	
Not shown	1231	NW	509450 220860	Status: Active Licence No: 29/38/01/0067 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Albert Road Data Type: Point Name: Affinity Water Limited	Annual Volume (m ³): 1663870 Max Daily Volume (m ³): 5228 Original Application No: NPS/WR/011805 Original Start Date: 20/10/1969 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1562	NW	509600 221600	Status: Active Licence No: 29/38/01/0008 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Crescent Road Pumping Station Data Type: Point Name: Affinity Water Limited	Annual Volume (m ³): 10398011 Max Daily Volume (m ³): 29300 Original Application No: NPS/WR/011805 Original Start Date: 20/1/1966 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:
Not shown	1831	SE	511500 218600	Status: Active Licence No: 29/38/01/0039 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: The Gables Borehole A Data Type: Point Name: LUTON HOO PARK LIMITED	Annual Volume (m ³): 49779 Max Daily Volume (m ³): 181.8 Original Application No: - Original Start Date: 20/4/1966 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:

6.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site? Yes

The following Source Protection Zones records are represented on the SPZ and Potable Water Abstraction Map (6c):

ID	Distance (m)	Direction	Zone	Description
1	146	N	3	Total catchment

6.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site? No

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency/Natural Resources Wales information on groundwater vulnerability and soil leaching potential within 500m of the study site? Yes

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Major Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.
7	S	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
271	S	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.

6.9 River Quality

Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site? Yes

6.9.1 Biological Quality:

Biological Quality data describes water quality in terms of 83 groups of macroinvertebrates, some of which are pollution sensitive. The results are graded from A ('Very Good') to F ('Bad').

The following Biological Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
8A	628	NW	510440 221110	River Name: Lee (thames) Reach: Luton Hoo Lakes - Luton Stw End/Start of Stretch: Start of Stretch NGR	C	C	C	B	B
9A	628	NW	510440 221110	River Name: Lee (thames) Reach: Leagrave - Luton Hoo Lakes End/Start of Stretch: End of Stretch NGR	D	D	D	C	C

6.9.2 Chemical Quality:

Database searched and no data found.

6.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site? Yes

The following Detailed River Network records are represented on the Hydrology Map (6e):

ID	Distance (m)	Direction	Details	
1	216	SW	River Name: River Lea or Lee Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
2	222	SW	River Name: River Lea or Lee Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
3	253	SW	River Name: River Lea or Lee Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined

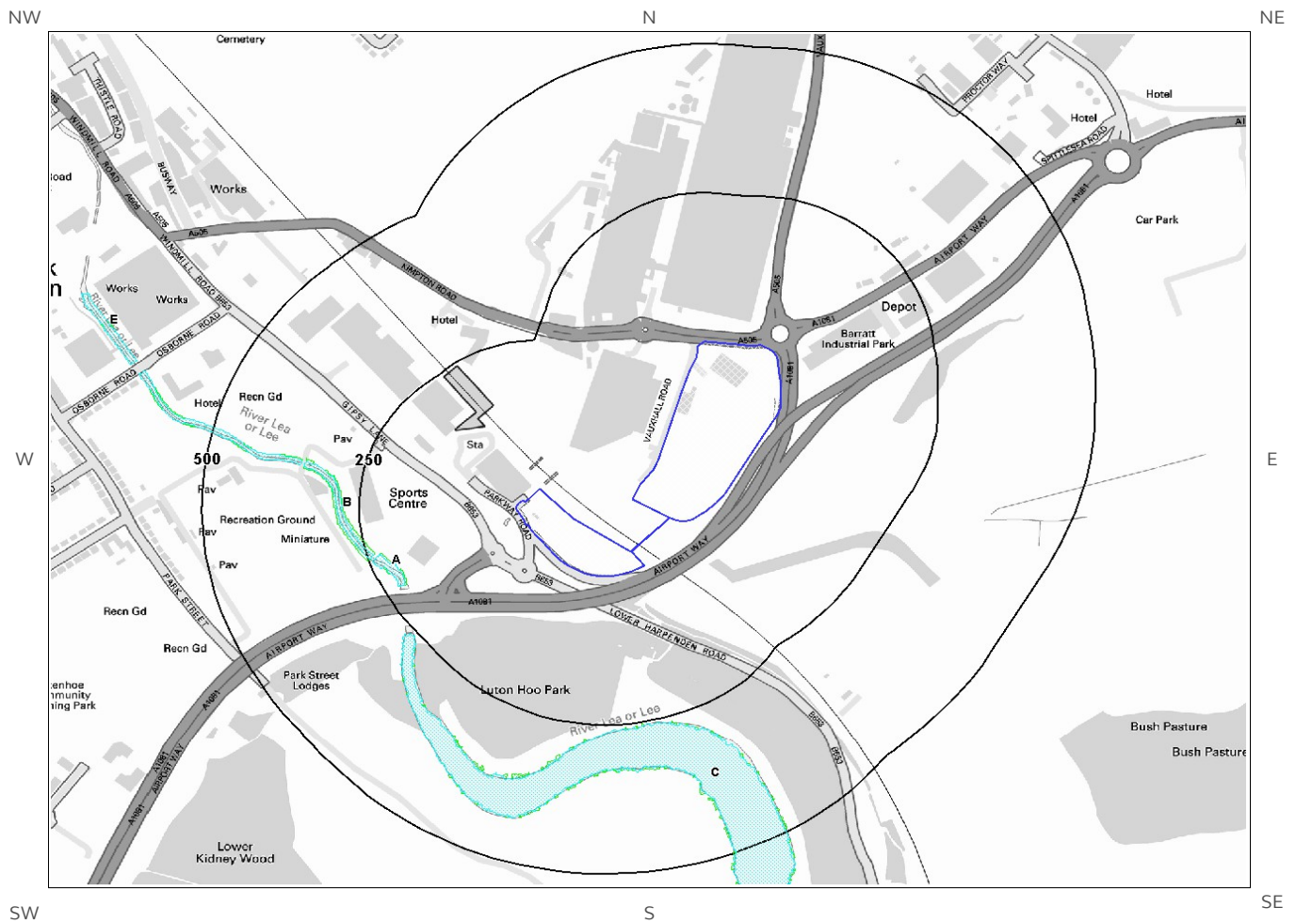
6.11 Surface Water Features

Are there any surface water features within 250m of the study site? Yes

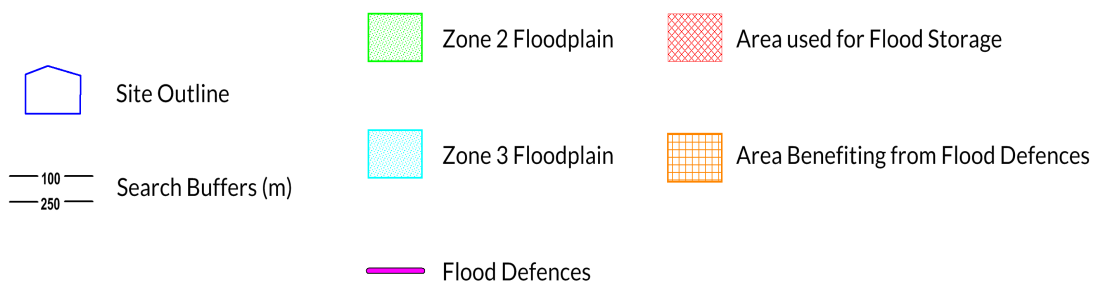
The following surface water records are not represented on mapping:

Distance (m)	Direction
0	On Site
212	SW
248	SW

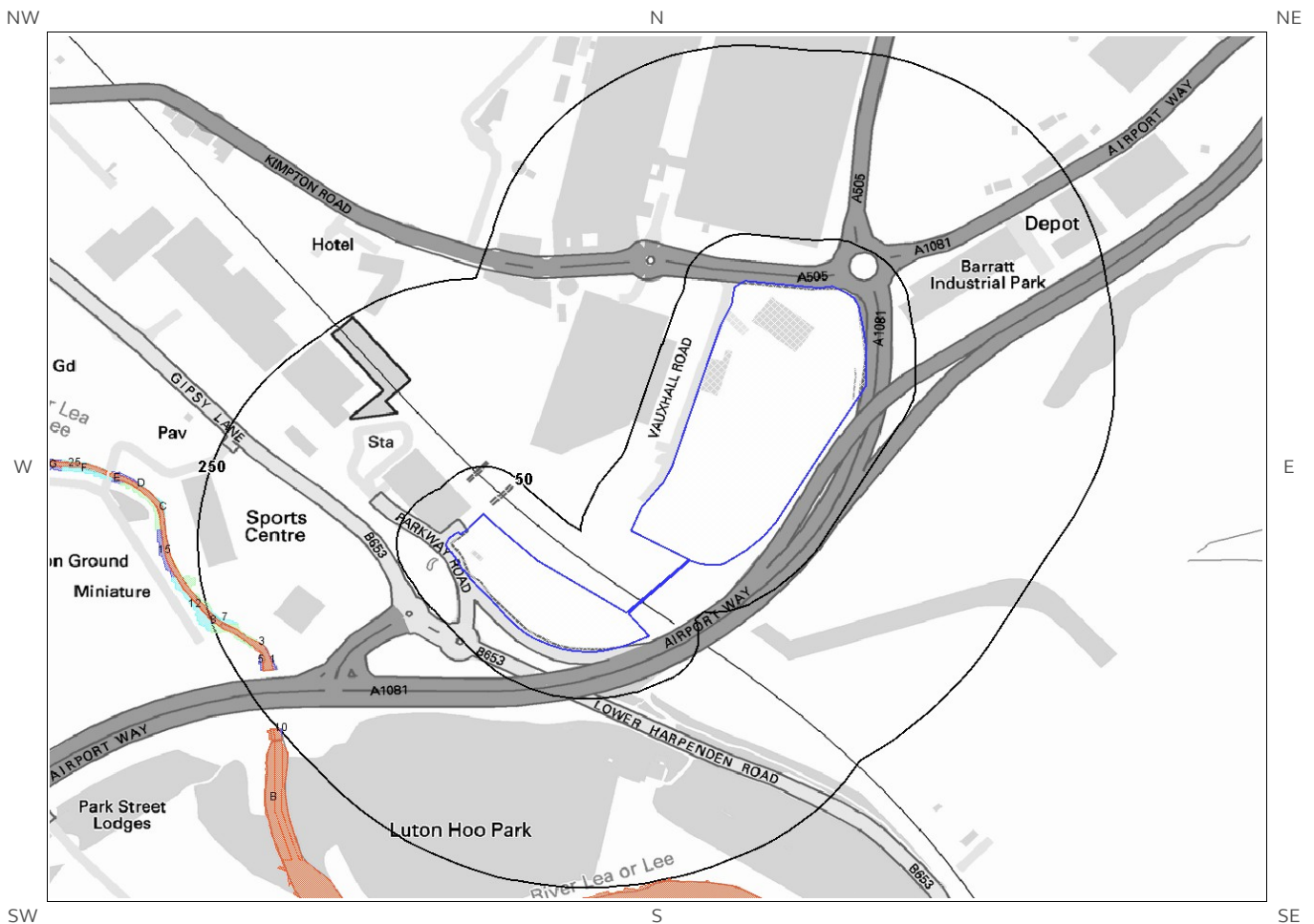
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



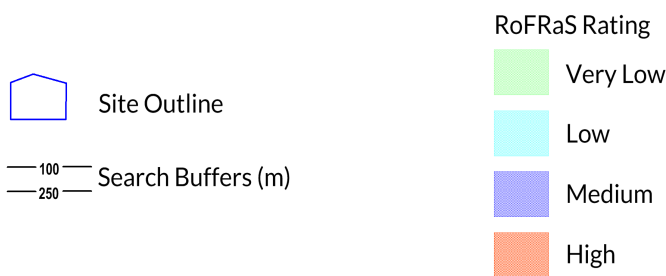
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 2 floodplain? Yes

Environment Agency/Natural Resources Wales Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

ID	Distance (m)	Direction	Update	Type
1A	209	SW	24-Nov-2017	Zone 2 - (Fluvial /Tidal Models)
2B	237	W	24-Nov-2017	Zone 2 - (Fluvial /Tidal Models)

7.2 River and Coastal Zone 3 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 3 floodplain? Yes

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

ID	Distance (m)	Direction	Update	Type
1A	210	SW	24-Nov-2017	Zone 3 - (Fluvial Models)
2B	240	W	24-Nov-2017	Zone 3 - (Fluvial Models)

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

What is the highest risk of flooding onsite? Very Low

The Environment Agency/Natural Resources Wales RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Are there any Flood Defences within 250m of the study site? No
Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? No

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site? No

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Yes

Does this relate to Clearwater Flooding or Superficial Deposits Flooding? Clearwater Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?

Potential at Surface

Where potential for groundwater flooding to occur at surface is indicated, this means that given the geological conditions in the area groundwater flooding hazard should be considered in all land-use planning decisions. It is recommended that other relevant information e.g. records of previous incidence of groundwater flooding, rainfall, property type, and land drainage information be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

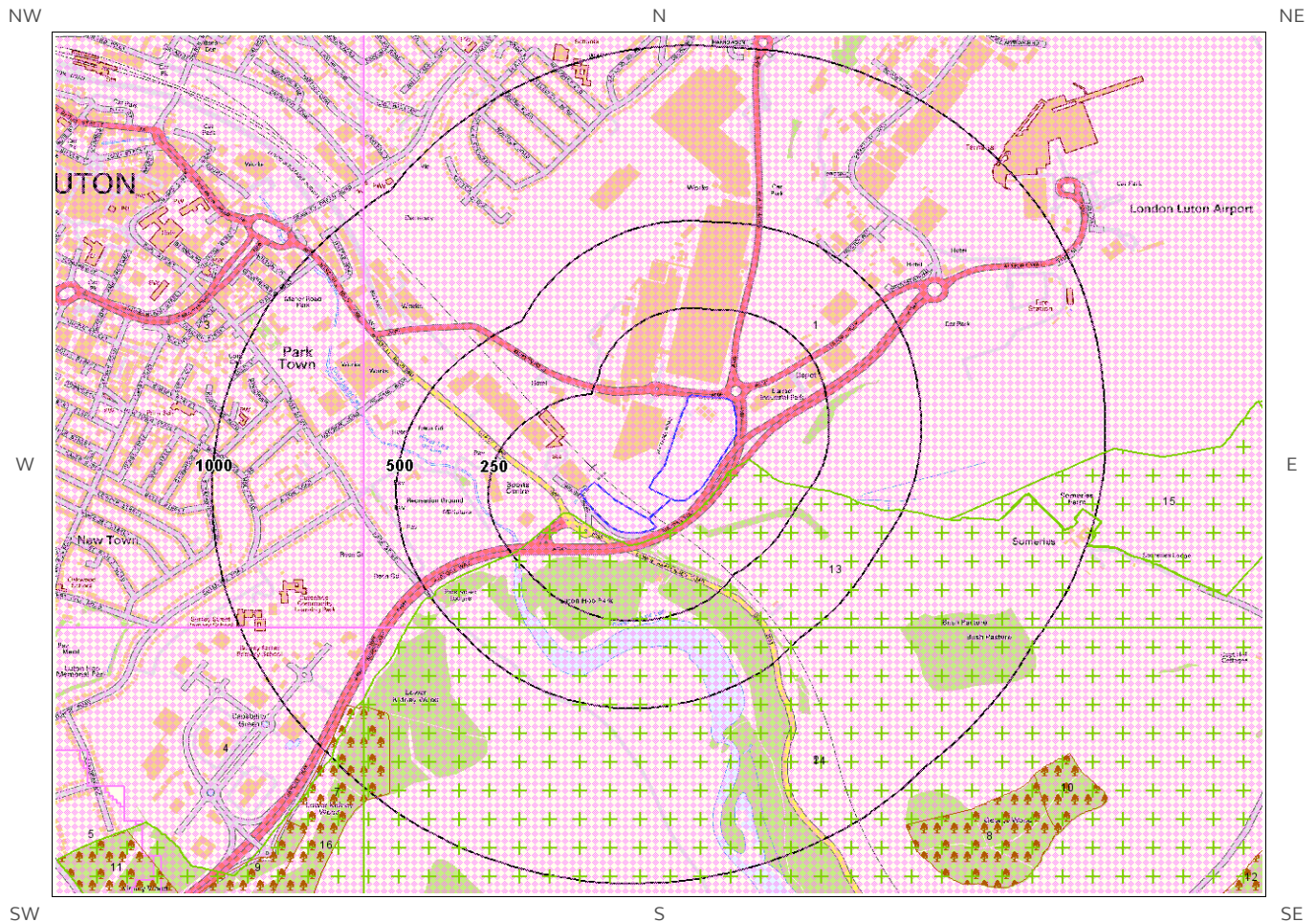
7.8 Groundwater Flooding Confidence Areas

What is the British Geological Survey confidence rating in this result? High

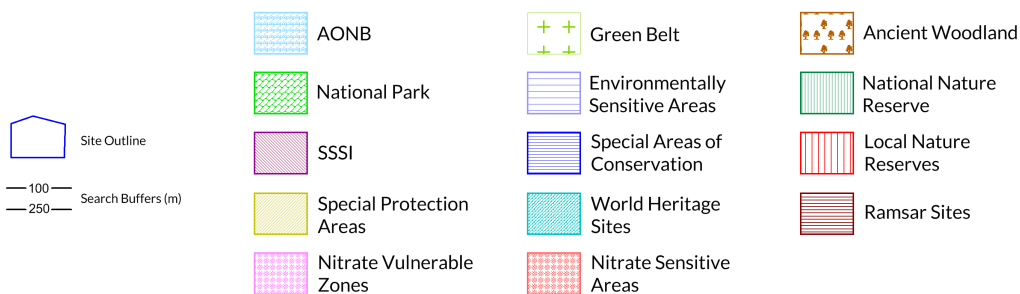
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

Presence of Designated Environmentally Sensitive Sites within 2000m of the study site? Yes

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

0

Database searched and no data found.

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

8.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

8.6 Records of Ancient Woodland within 2000m of the study site:

6

The following records of Designated Ancient Woodland provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
7	803	SW	UNKNOWN	Ancient and Semi-Natural Woodland
8	1086	SE	UNKNOWN	Ancient and Semi-Natural Woodland
9	1196	SW	UNKNOWN	Ancient Replanted Woodland
10	1218	SE	UNKNOWN	Ancient Replanted Woodland
11	1556	SW	UNKNOWN	Ancient Replanted Woodland
12	1825	SE	UNKNOWN	Ancient Replanted Woodland

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

0

Database searched and no data found.

8.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

6

The following Nitrate Vulnerable Zone records produced by DEFRA are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	NVZ Name	Data Source
1	0	On Site	Existing	DEFRA
2	271	S	Existing	DEFRA
3	587	W	Existing	DEFRA
4	701	SW	Existing	DEFRA
5	1512	SW	Existing	DEFRA
Not shown	1872	S	Existing	DEFRA

8.14 Records of Green Belt land within 2000m of the study site:

5

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ID	Distance	Direction	Green Belt Name	Local Authority Name
13	26	S	London Area Greenbelt	Central Bedfordshire
14	271	S	London Area Greenbelt	Central Bedfordshire
15	625	SE	London Area Greenbelt	Luton (B)
16	822	SW	London Area Greenbelt	Central Bedfordshire
Not shown	1798	E	London Area Greenbelt	Luton (B)

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a **Groundsure Geo Insight**, available from our [website](#). The following information has been found:

9.1.1 Shrink Swell

What is the maximum Shrink-Swell* hazard rating identified on the study site? Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely likely due to potential problems with shrink-swell clays.

9.1.2 Landslides

What is the maximum Landslide* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

9.1.3 Soluble Rocks

What is the maximum Soluble Rocks* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Significant soluble rocks are present. Problems unlikely except with considerable surface or subsurface water flow. No special actions required to avoid problems due to soluble rocks. No special ground investigation required or increased construction costs are likely. An increase in financial risk due to potential problems with soluble rocks is unlikely.

* This indicates an automatically generated 50m buffer and site.

9.1.4 Compressible Ground

What is the maximum Compressible Ground* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

9.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

9.1.6 Running Sand

What is the maximum Running Sand** hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

* This indicates an automatically generated 50m buffer and site.

9.2 Radon

9.2.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

The radon data in this report is supplied by the BGS/Public Health England and is the definitive map of Radon Affected Areas in Great Britain and Northern Ireland. The dataset was created using long-term radon measurements in over 479,000 homes across Great Britain and 23,000 homes across Northern Ireland, combined with geological data. The dataset is considered accurate to 50m to allow for the margin of error in geological lines, and the findings of this report supercede any answer given in the less accurate Indicative Atlas of Radon in Great Britain, which simplifies the data to give the highest risk within any given 1km grid square. As such, the radon atlas is considered indicative, whereas the data given in this report is considered definitive.

9.2.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary.

10. Mining

10.1 Coal Mining

Are there any coal mining areas within 75m of the study site? No

Database searched and no data found.

10.2 Non-Coal Mining

Are there any Non-Coal Mining areas within 50m of the study site boundary? Yes

The following non-coal mining information is provided by the BGS:

Distance (m)	Direction	Name	Commodity	Assessment of likelihood
0.0	On Site	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

Past underground mine workings are uncommon, localised and of limited area. The rock types present in this area are such that minor mineral veins may be present within them on which it is possible that there have been attempts to work these by underground methods and/or it is possible that small scale underground extraction of other materials may have occurred. All such occurrences are likely to be restricted in size and infrequent. It should be noted, however, that there is always the possibility of the existence of other sub-surface excavations, such as wells, cess pits, follies, air raid shelters/bunkers and other military structures etc. that could affect surface ground stability but which are outside the scope of this dataset. However, if in a coalfield area you should still consider a Coal Authority mining search for the area of interest.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site? No

Guidance: No Guidance Required.

Contact Details

Groundsure Helpline
Telephone: 08444 159 000
info@groundsure.com

British Geological Survey Enquiries

Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email:

Web: [REDACTED]

BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

Environment Agency

National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 03708 506 506

Web: www.environment-agency.gov.uk

Email: enquiries@environment-agency.gov.uk

Public Health England

Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe

Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000

The Coal Authority

200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
[REDACTED]

Ordnance Survey

Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505

Local Authority

Authority: Luton Borough Council
Phone: 01582 546 000
Web: <http://www.luton.gov.uk/>

Address: Town Hall, George Street, Luton, Bedfordshire, LU1 2BQ

Gemapping PLC

Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444



Public Health
England



The Coal
Authority



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510890, 220475

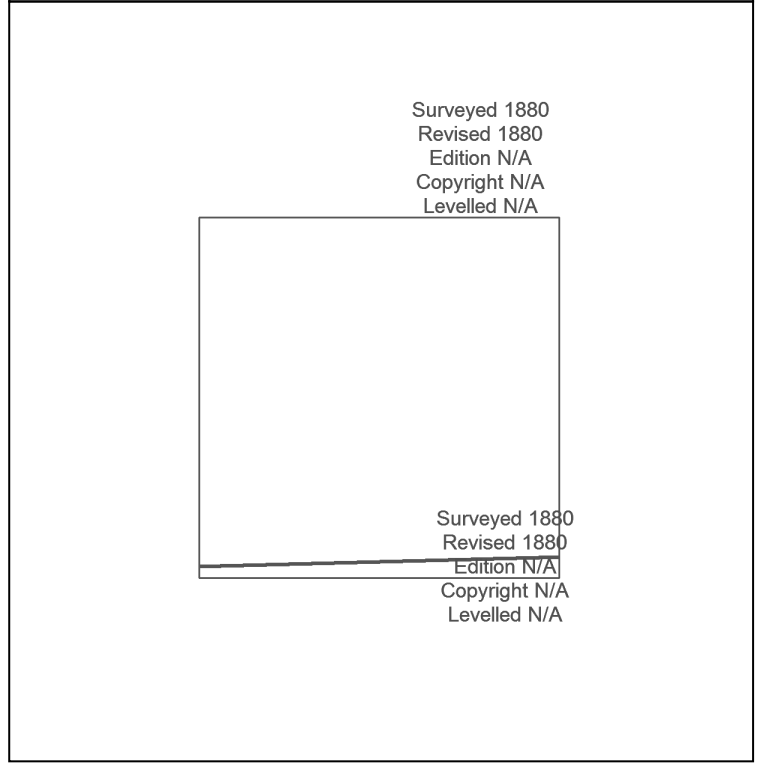
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Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1880

Scale: 1:2,500

Printed at: 1:2,500

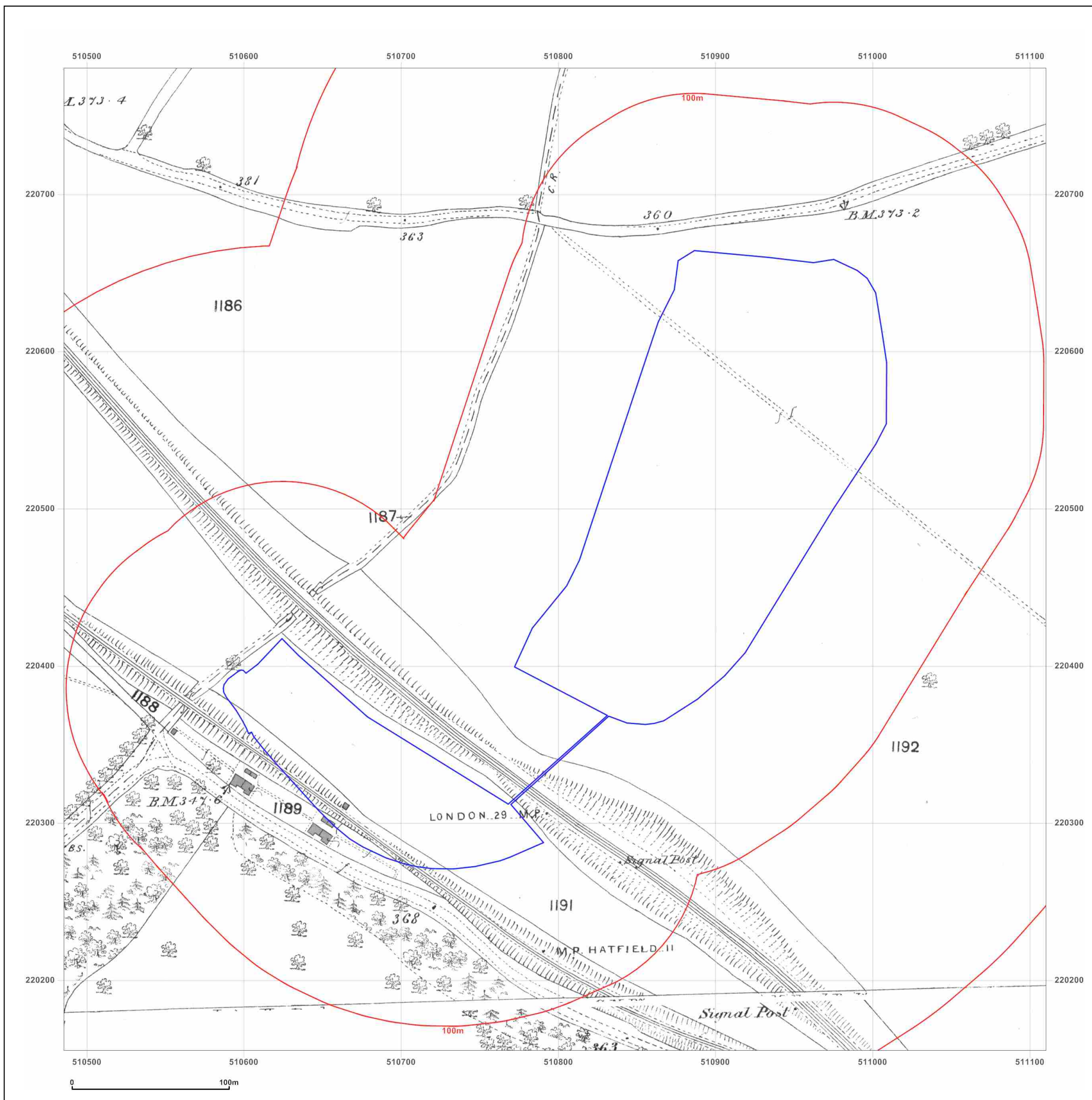


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Site Details:

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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

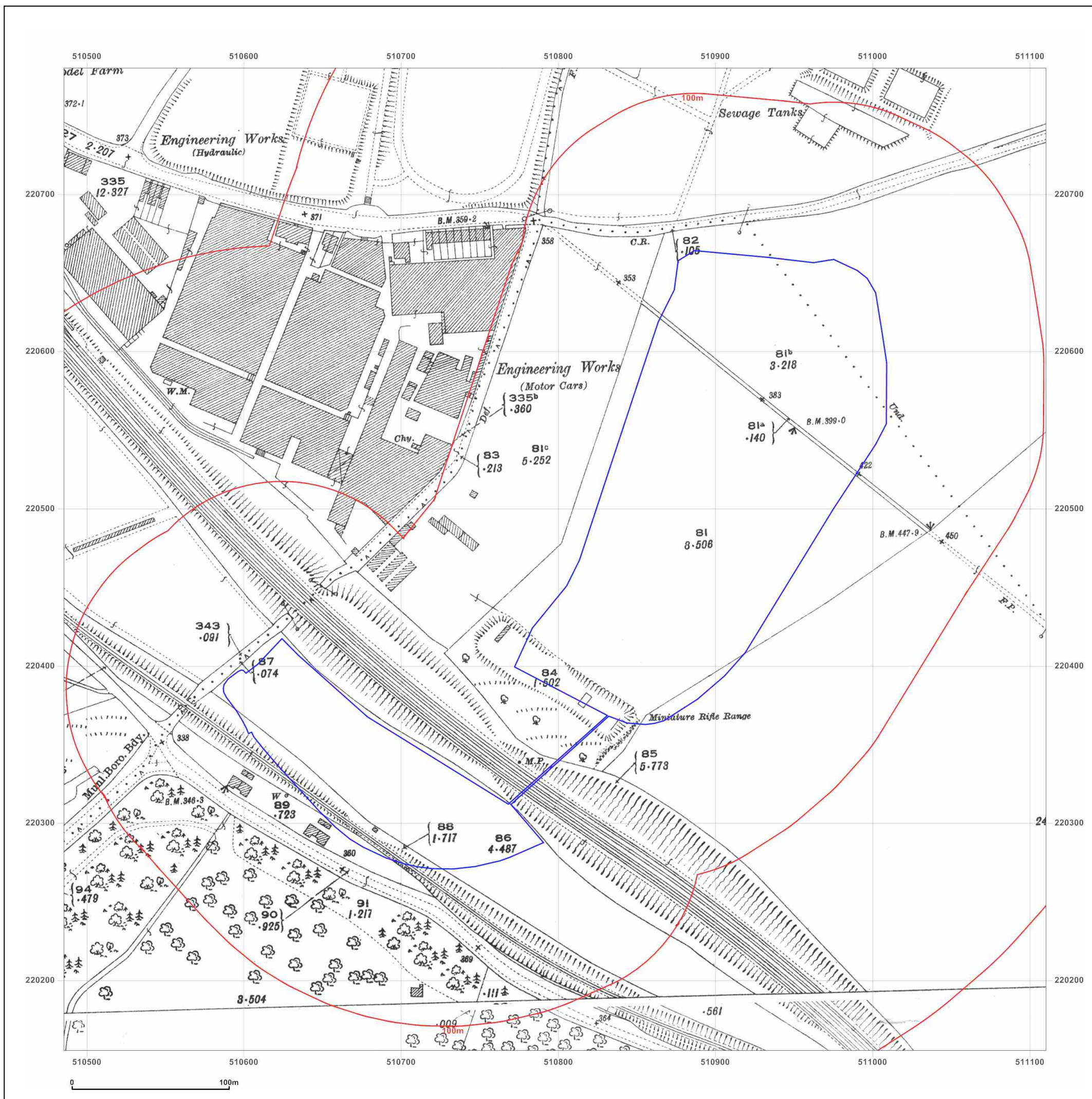


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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

Map date: 1962

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
 Revised 1961
 Edition N/A
 Copyright 1962
 Levelled 1958

Surveyed 1961
 Revised 1961
 Edition N/A
 Copyright 1962
 Levelled 1958

Surveyed 1961
 Revised 1961
 Edition N/A
 Copyright 1962
 Levelled 1958

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

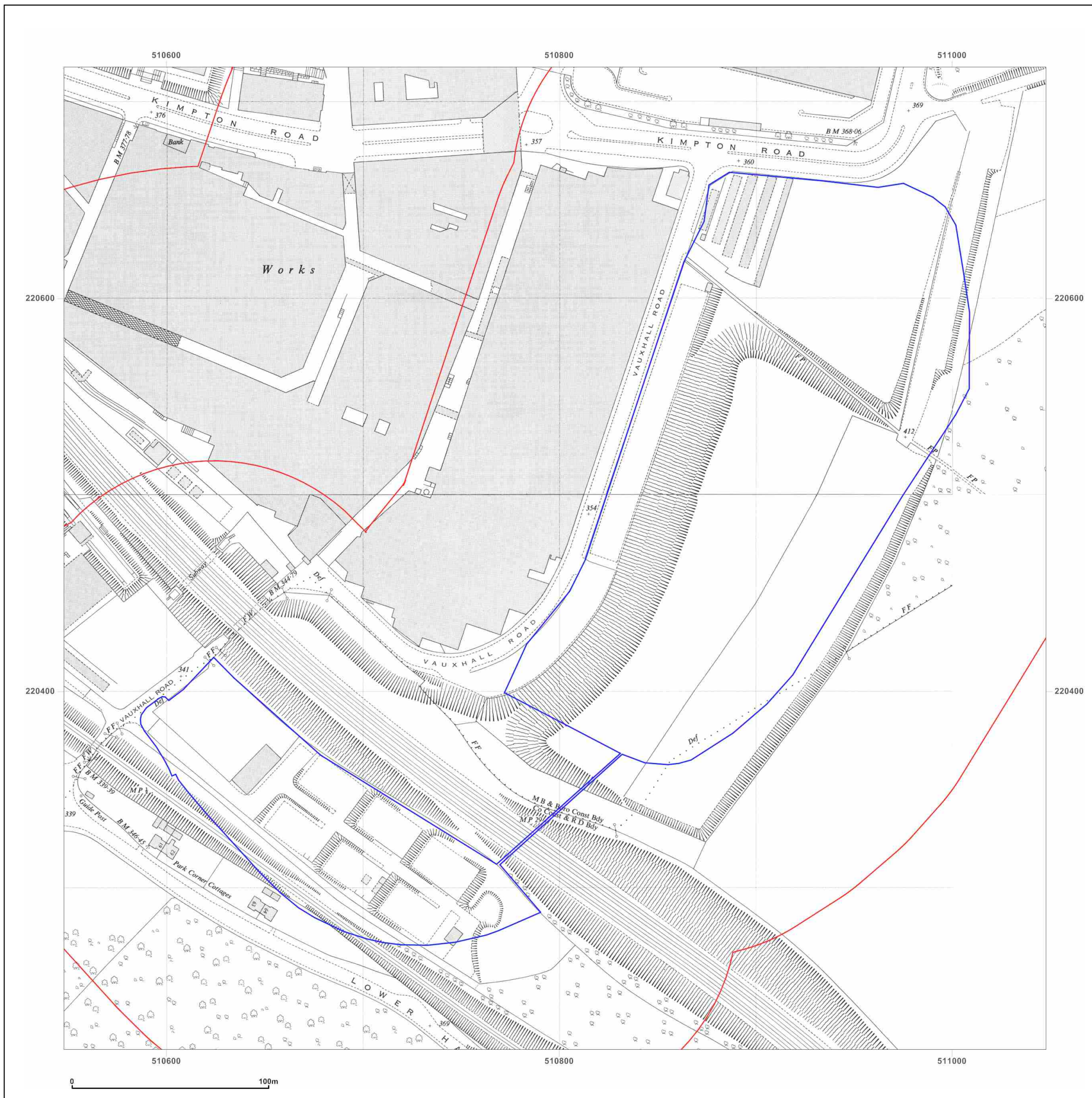


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Site Details:

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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

Map date: 1984

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1982
 Revised 1984
 Edition N/A
 Copyright 1984
 Levelled 1982

Surveyed 1982
 Revised 1984
 Edition N/A
 Copyright 1984
 Levelled 1982

Surveyed 1982
 Revised 1984
 Edition N/A
 Copyright 1984
 Levelled 1982

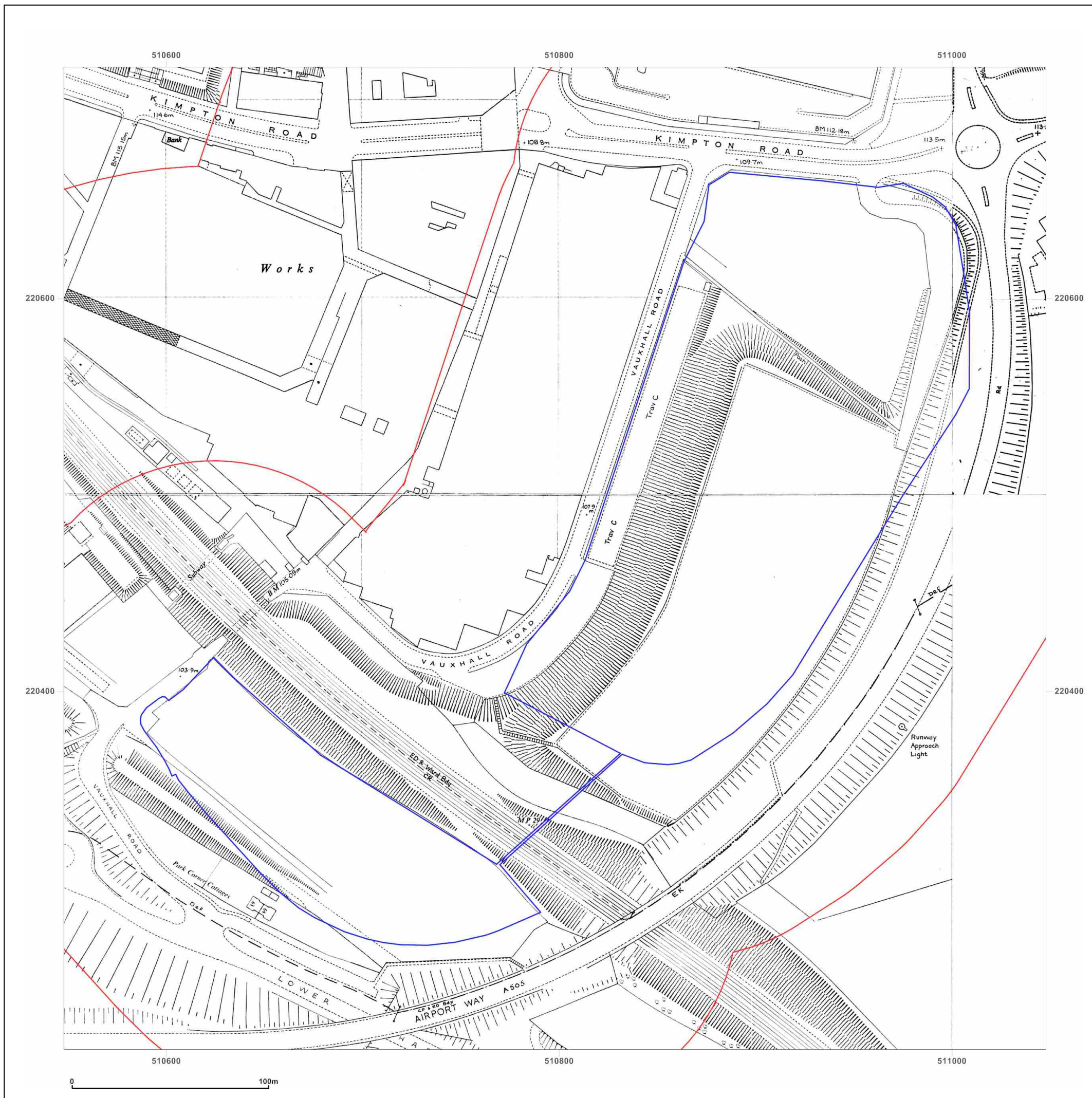


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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

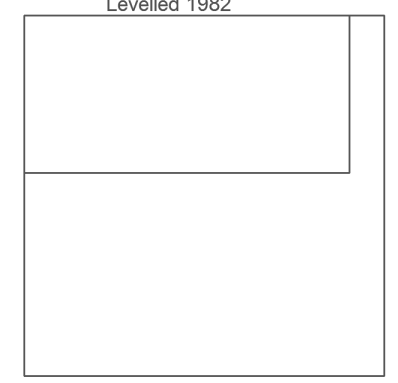
Map date: 1986

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1982
 Revised 1986
 Edition N/A
 Copyright 1986
 Levelled 1982



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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

Surveyed 1993
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A

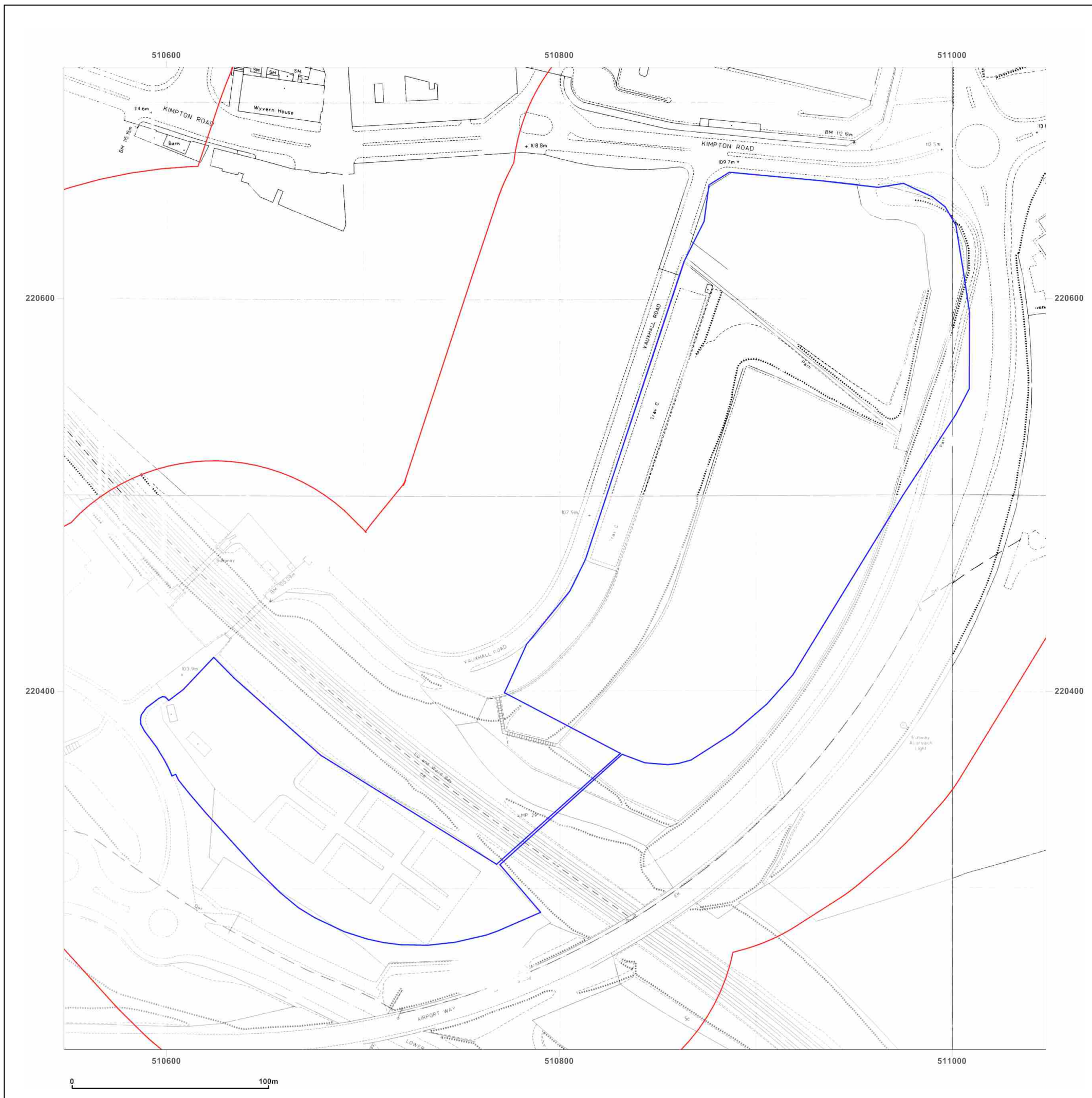


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Site Details:

510890, 220475

Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1879

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1879
 Revised 1879
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1879
 Revised 1879
 Edition N/A
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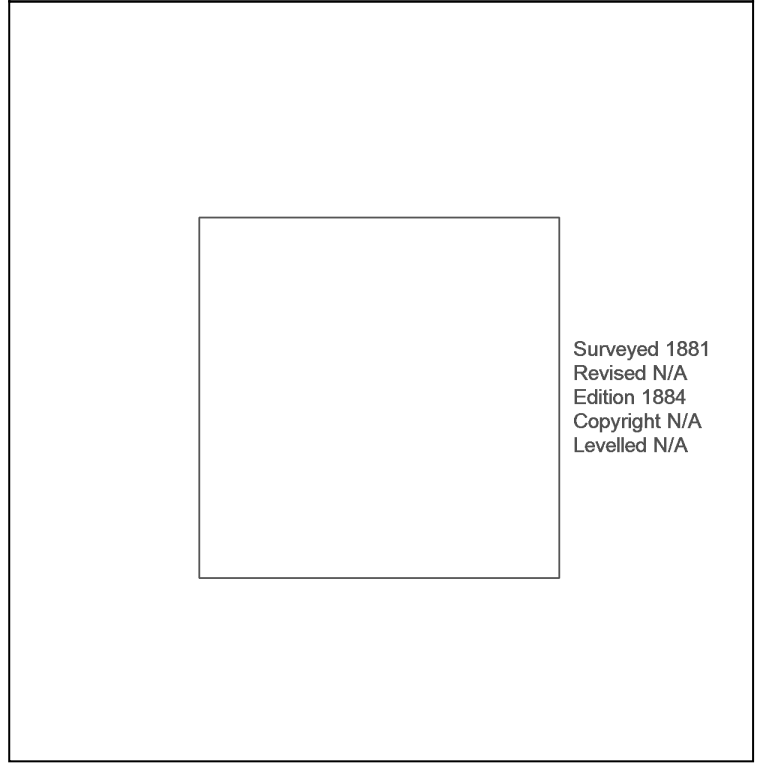
Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1884

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
 Revised N/A
 Edition 1884
 Copyright N/A
 Levelled N/A

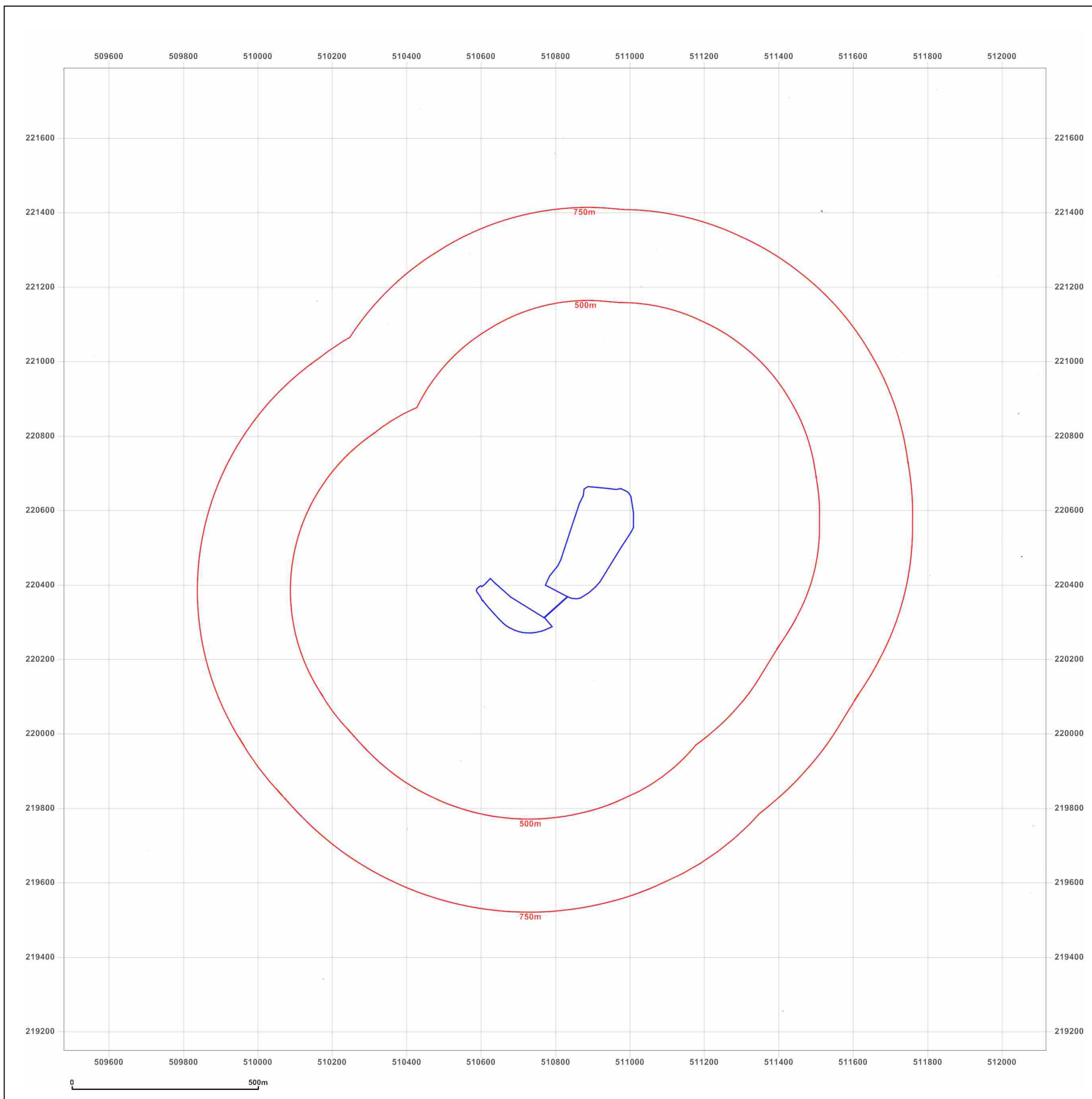


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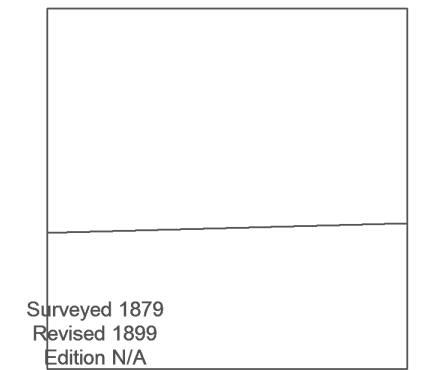
Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1899

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1879
 Revised 1899
 Edition N/A
 Copyright N/A
 Levelled N/A

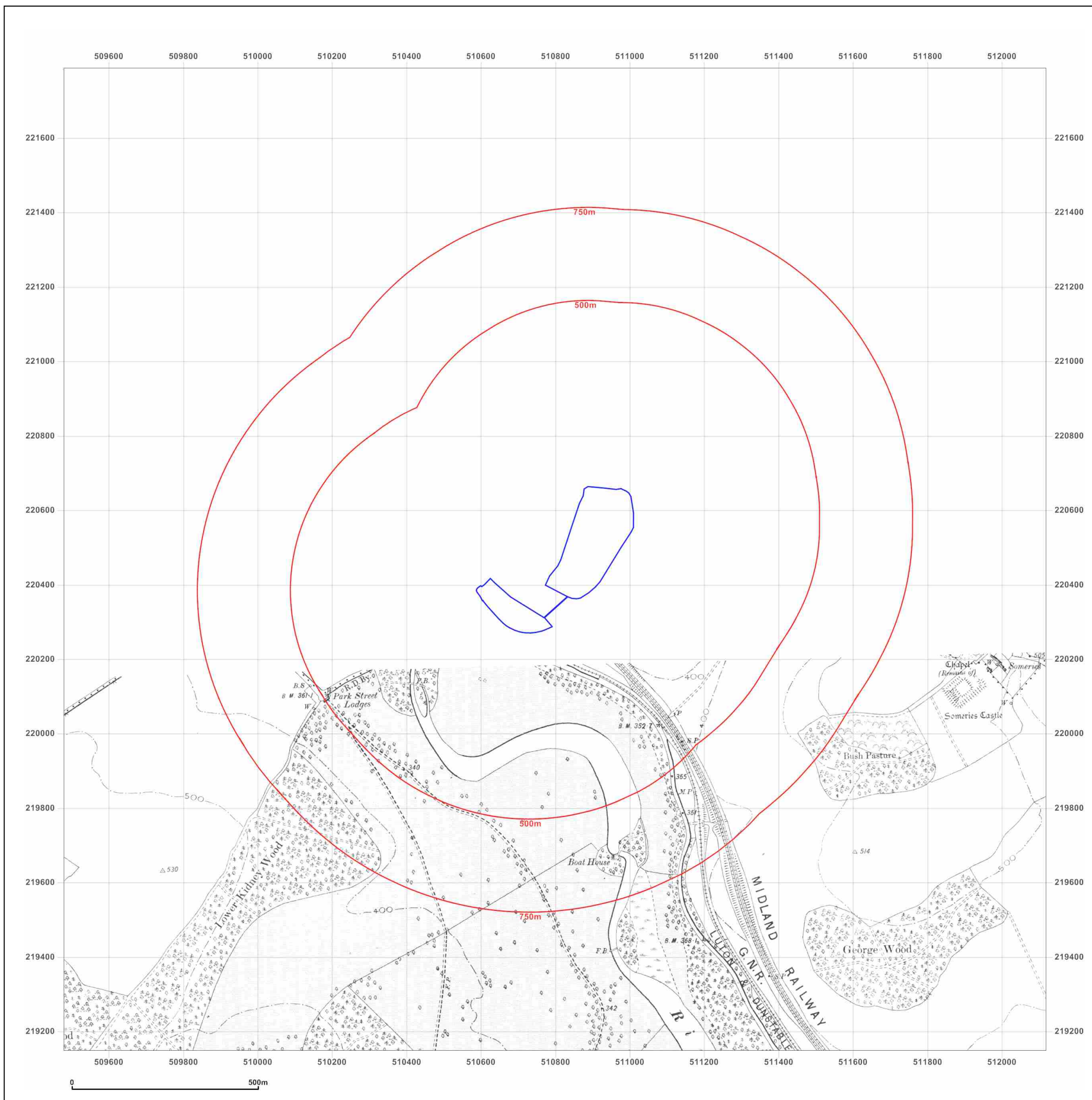


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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1899-1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1880
 Revised 1900
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1879
 Revised 1899
 Edition N/A
 Copyright N/A
 Levelled N/A

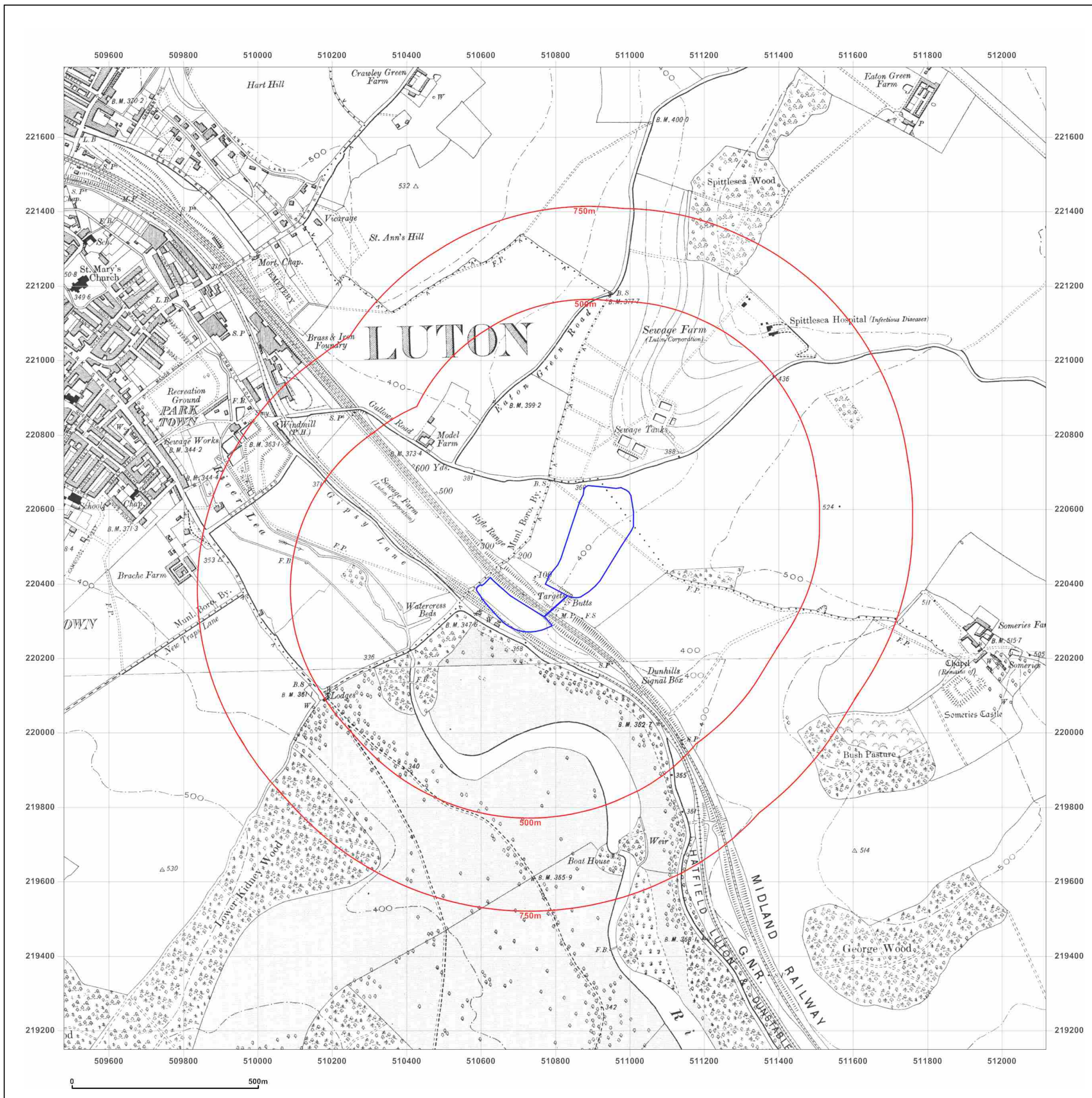


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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1879
 Revised 1922
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1878
 Revised 1922
 Edition N/A
 Copyright N/A
 Levelled N/A

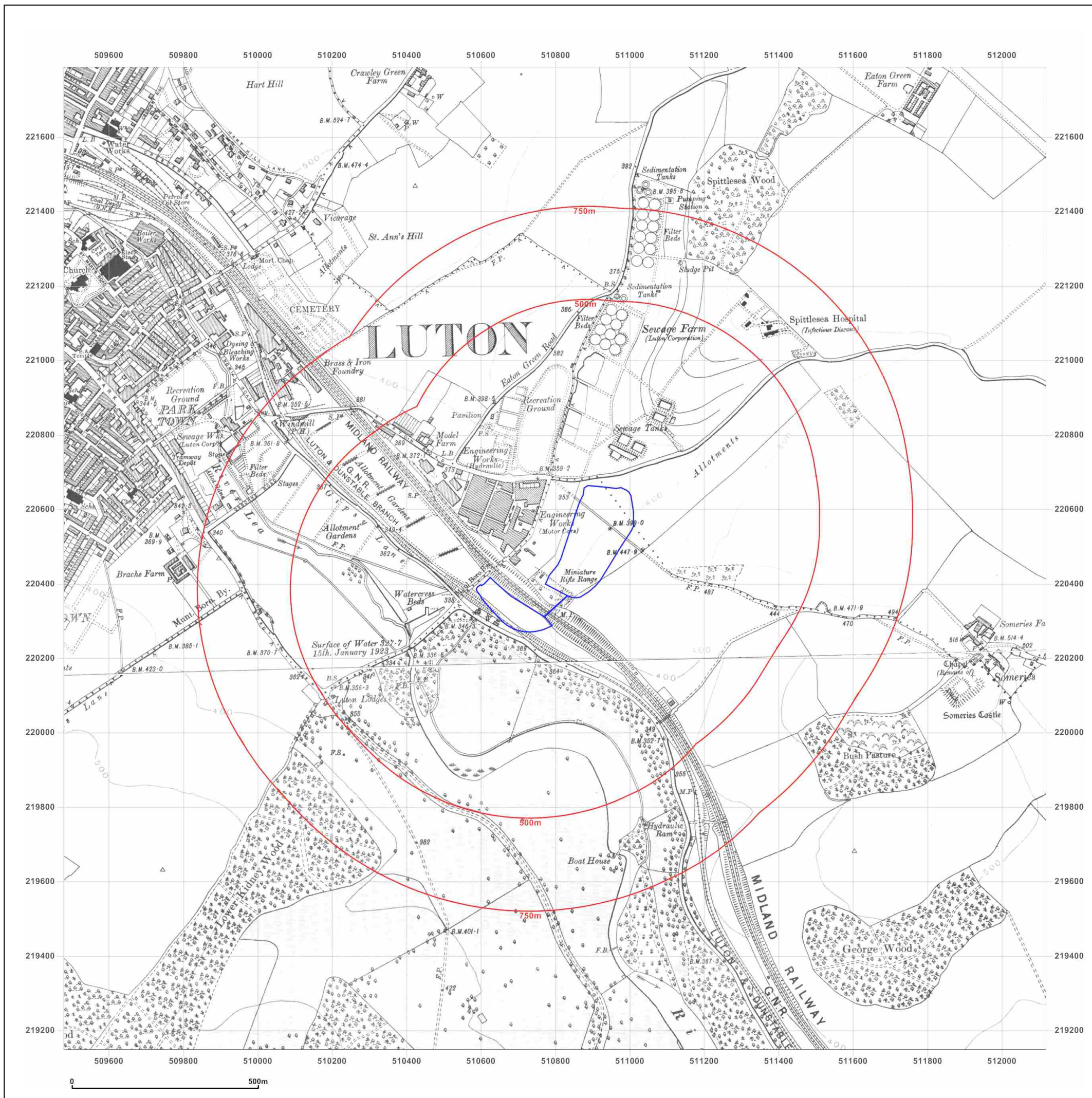


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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1879
 Revised 1922
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1878
 Revised 1922
 Edition N/A
 Copyright N/A
 Levelled N/A

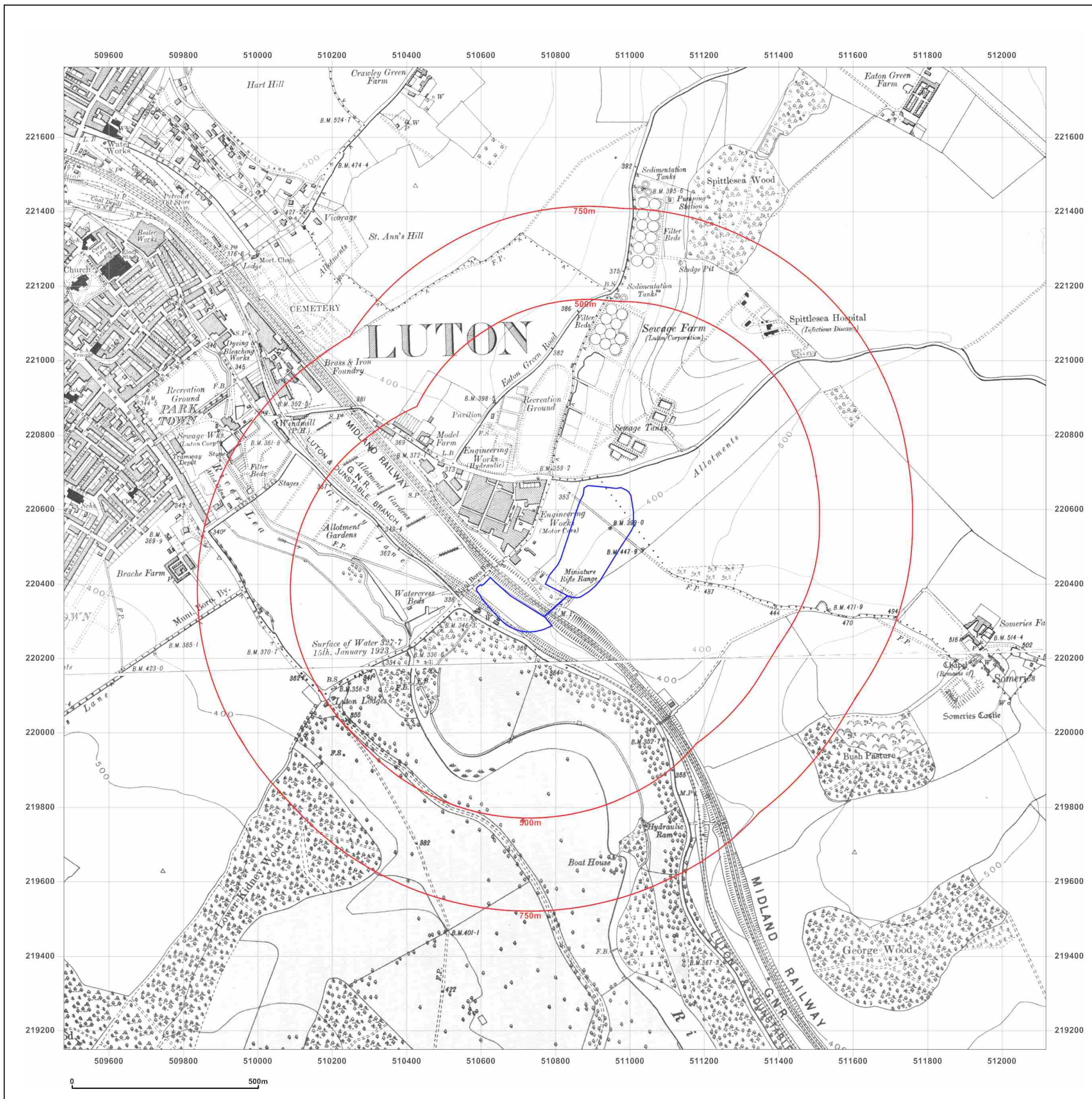


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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1979
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled 1923

Surveyed 1878
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled 1923

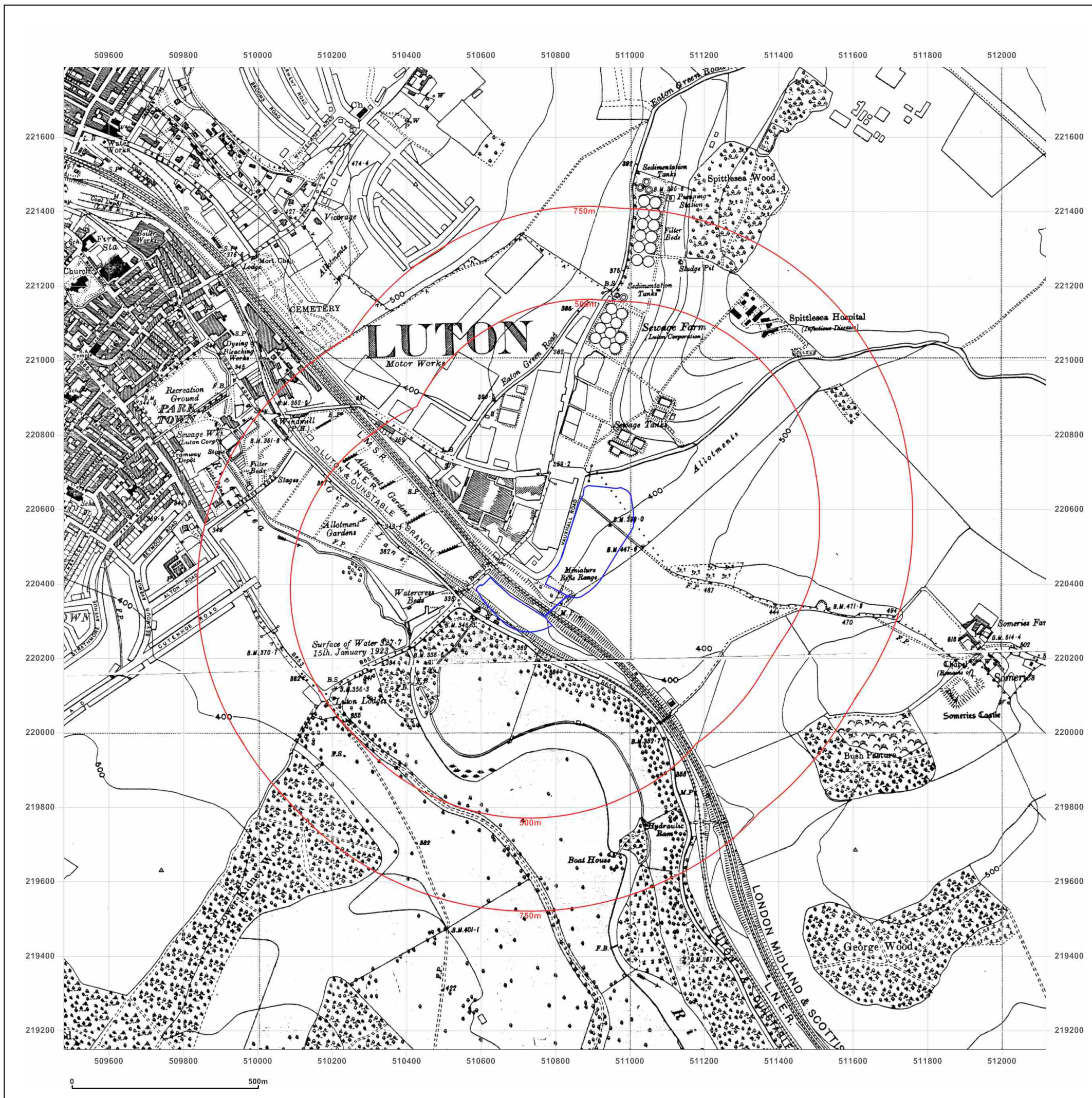


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Site Details:

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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1879
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1878
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

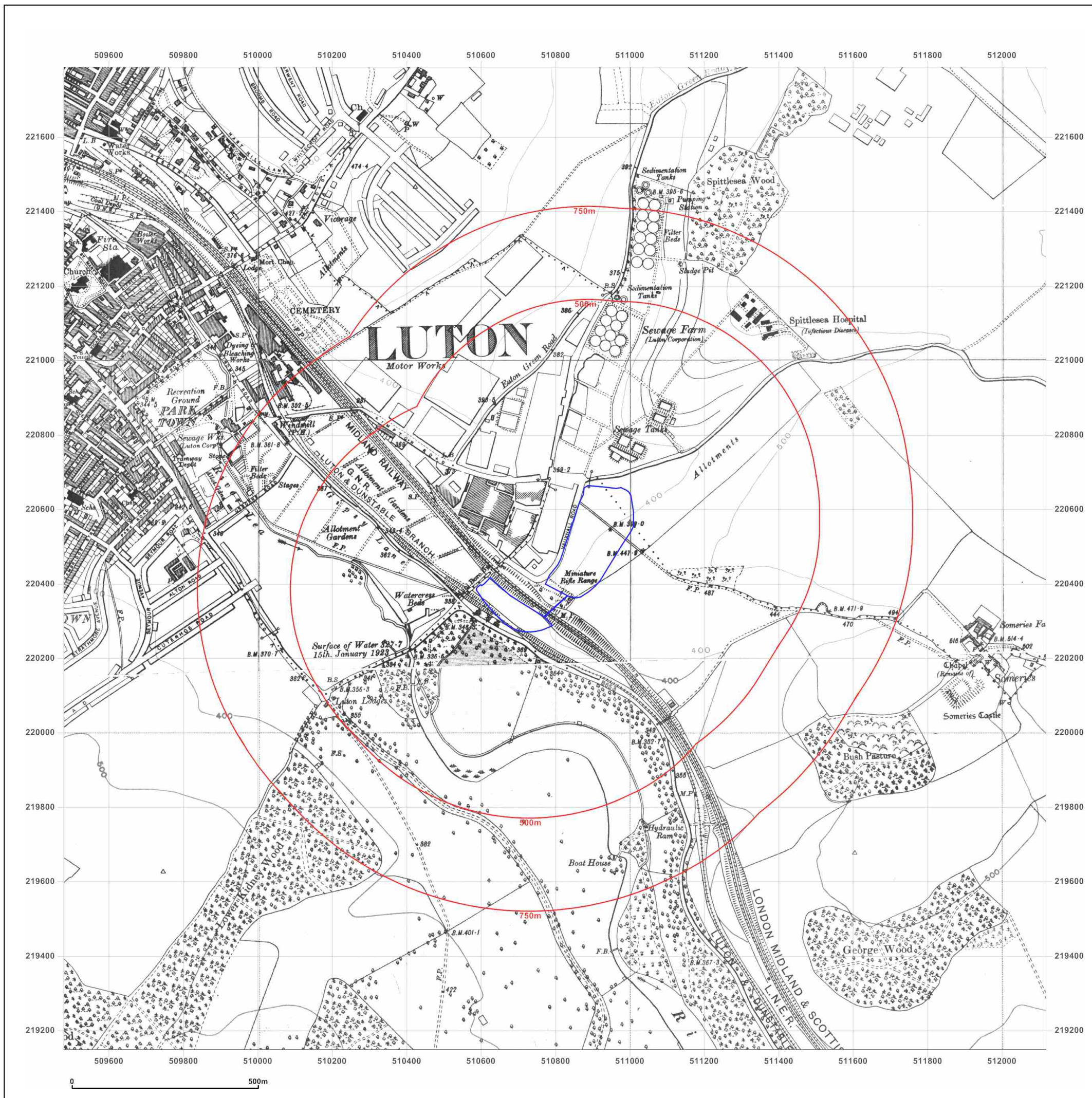


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Site Details:

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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1879
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1878
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

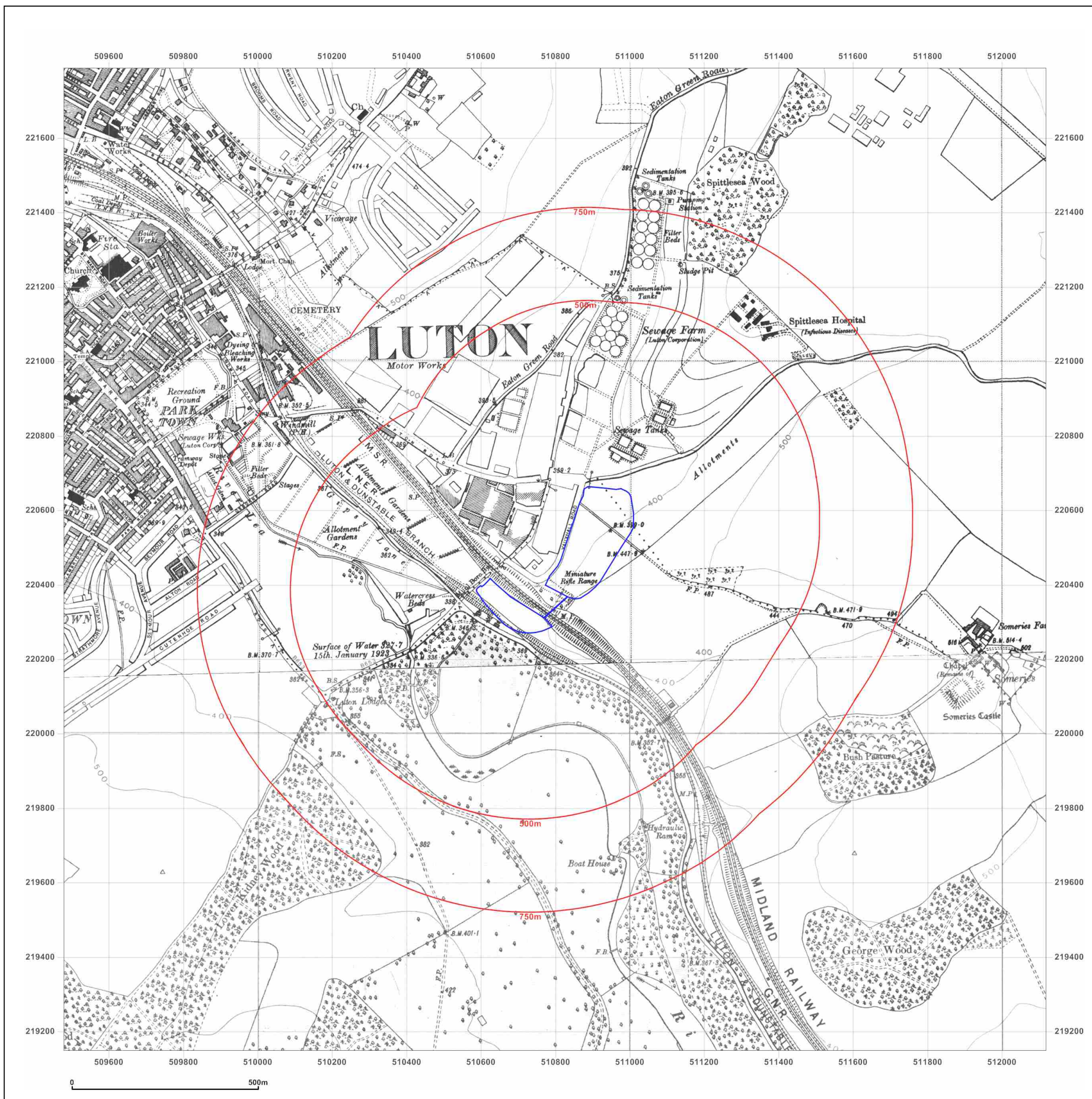


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Site Details:

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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: Provisional

Map date: 1960

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1951
 Revised 1951
 Edition 1960
 Copyright 1960
 Levelled N/A

Surveyed N/A
 Revised 1959
 Edition N/A
 Copyright 1960
 Levelled N/A

Surveyed N/A
 Revised 1960
 Edition 1960
 Copyright 1960
 Levelled N/A

Surveyed N/A
 Revised 1959
 Edition N/A
 Copyright 1960
 Levelled N/A

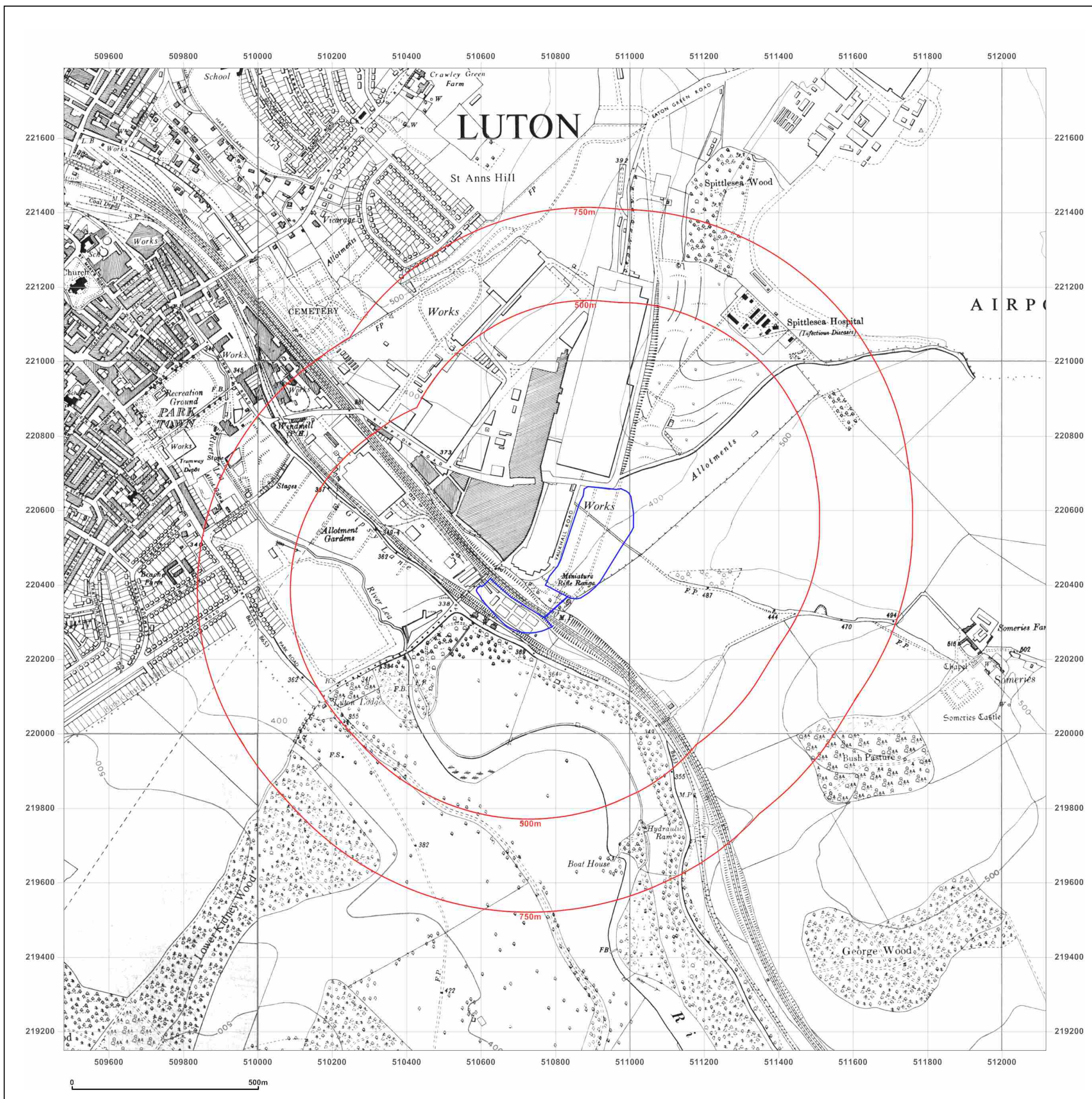


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Site Details:

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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

Map date: 1974-1977

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1974
 Revised 1976
 Edition N/A
 Copyright 1977
 Levelled 1970

Surveyed 1973
 Revised 1975
 Edition N/A
 Copyright 1975
 Levelled 1973

Surveyed 1973
 Revised 1974
 Edition N/A
 Copyright 1975
 Levelled 1971

Surveyed 1972
 Revised 1974
 Edition N/A
 Copyright 1974
 Levelled 1973

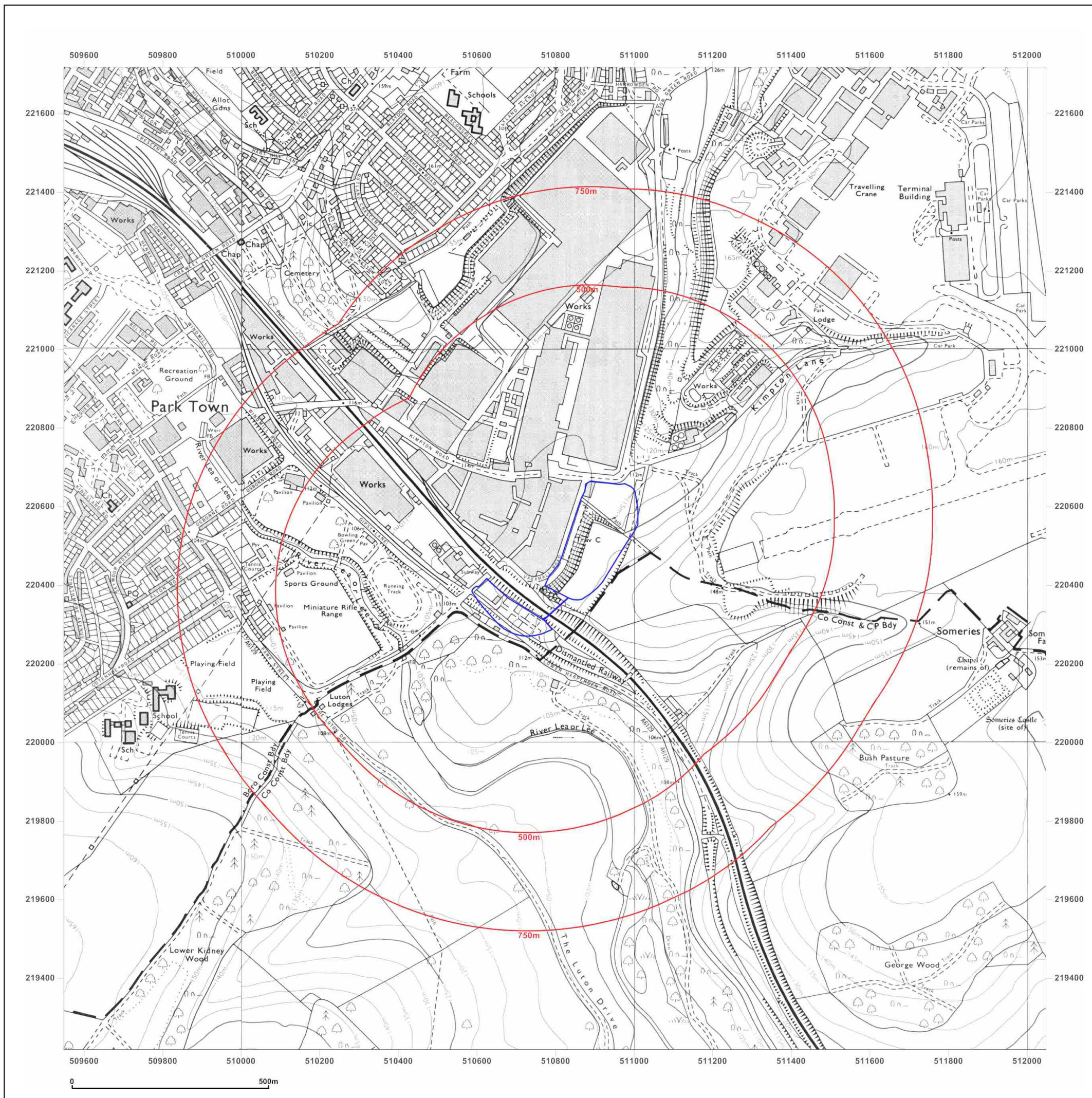


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Site Details:

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Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

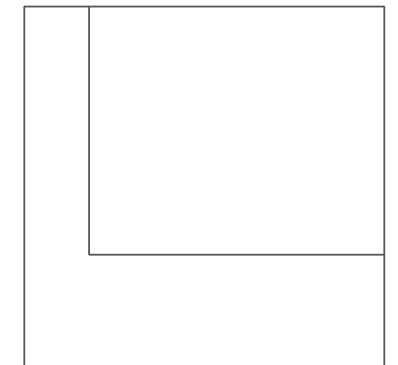
Map date: 1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1985
 Revised 1985
 Edition N/A
 Copyright N/A
 Levelled N/A

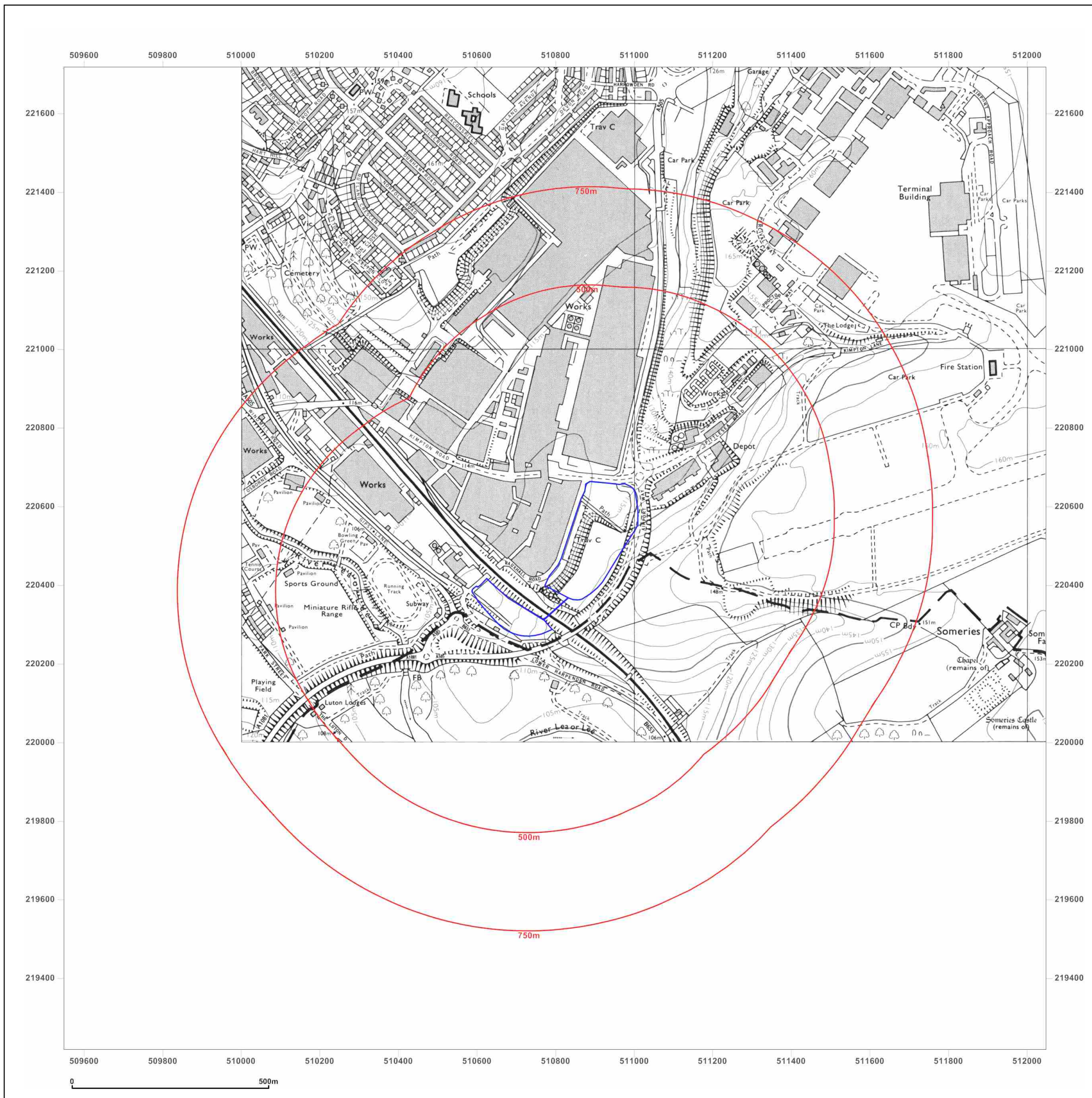


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Site Details:

510890, 220475

Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

Map date: 1991

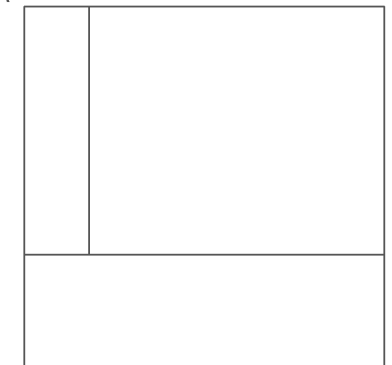
Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1989
 Revised 1991
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1989
 Revised 1991
 Edition N/A
 Copyright N/A
 Levelled N/A

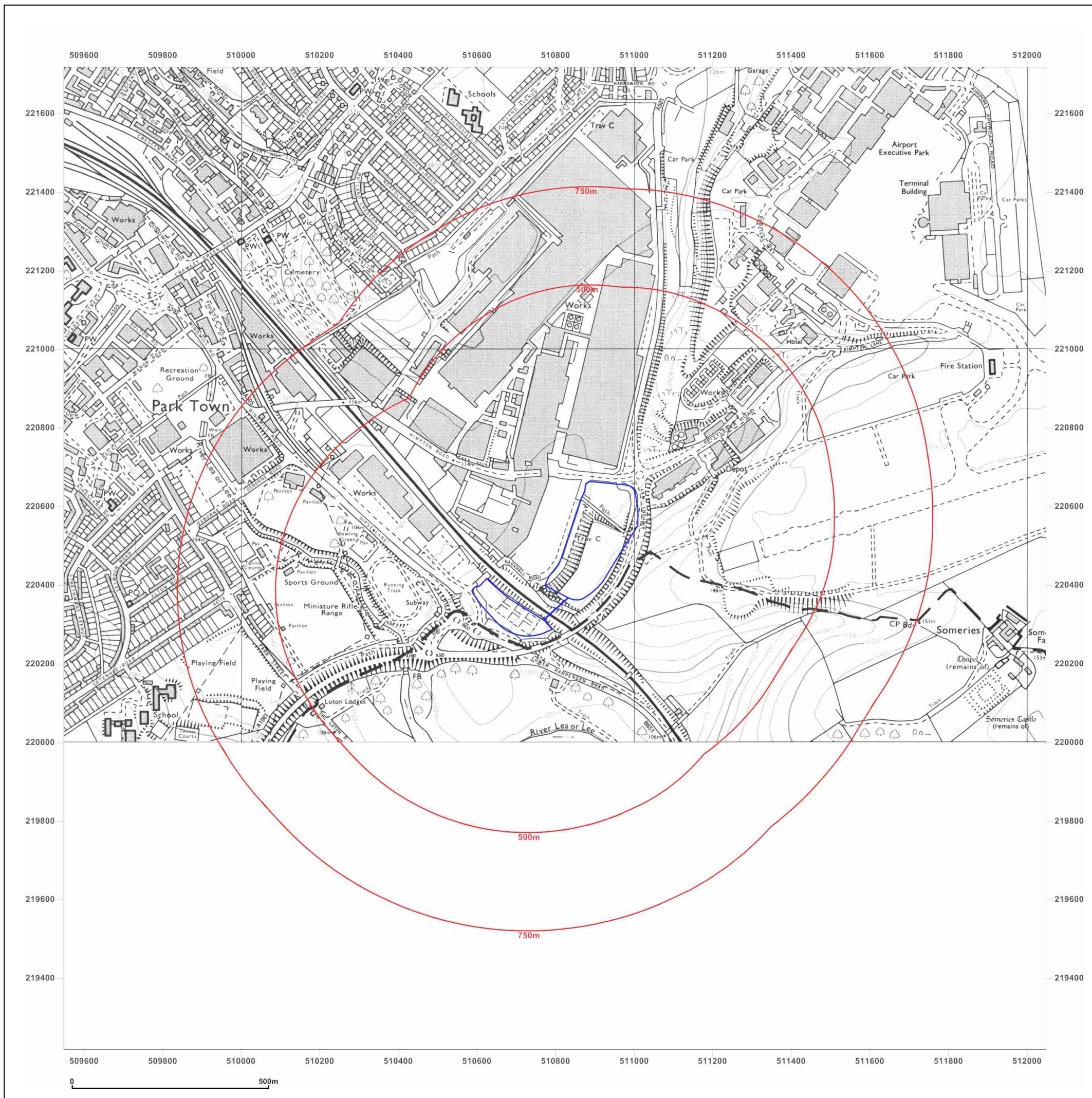


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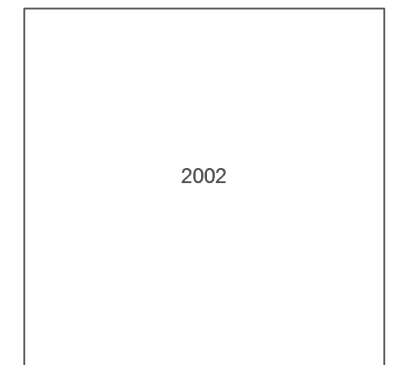
Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: 1:10,000 Raster

Map date: 2002

Scale: 1:10,000

Printed at: 1:10,000

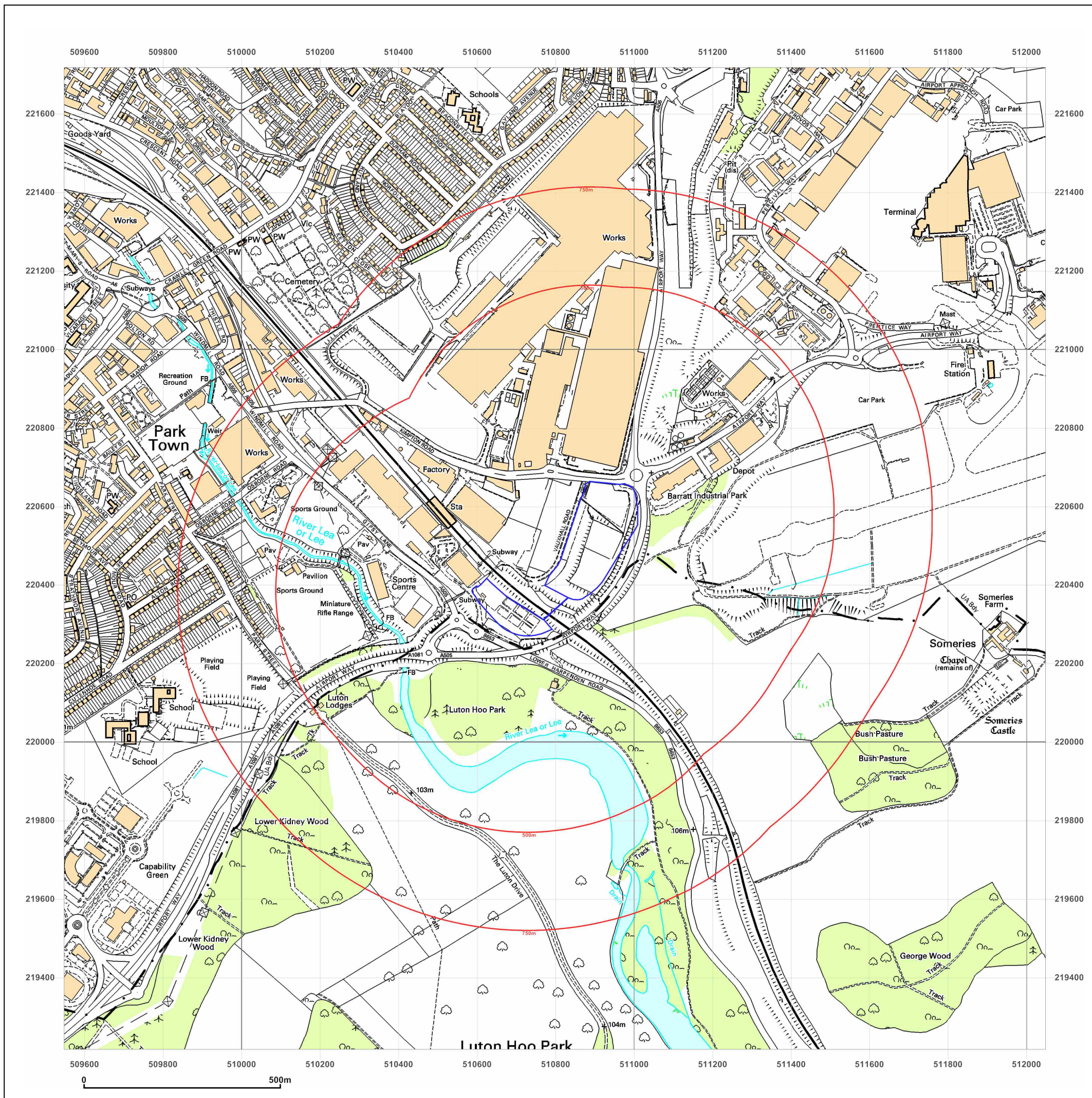


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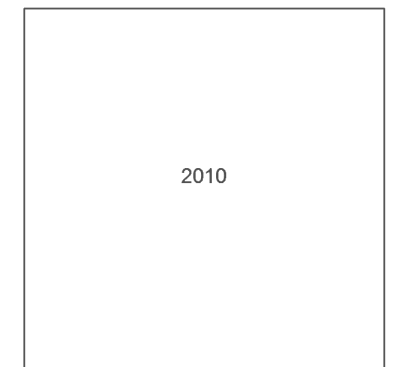
Client Ref: 245580-00_Trailer_Park
Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

510890, 220475

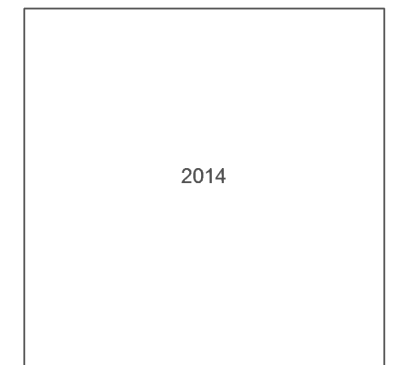
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Report Ref: GS-4640549
Grid Ref: 510798, 220468

Map Name: National Grid

Map date: 2014

Scale: 1:10,000

Printed at: 1:10,000



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