



Large-Scale National Grid Data Published 1994

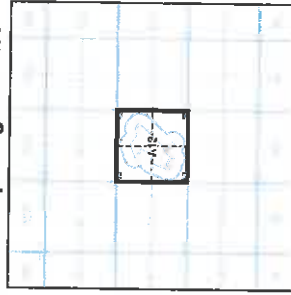
Source map scale - 1:2,500

Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999.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

Map Name(s) and Date(s)

SD2688	SD2698
12,500	12,500
SD2687	SD2697
12,500	12,500

Historical Map - Segment A13



Order Details

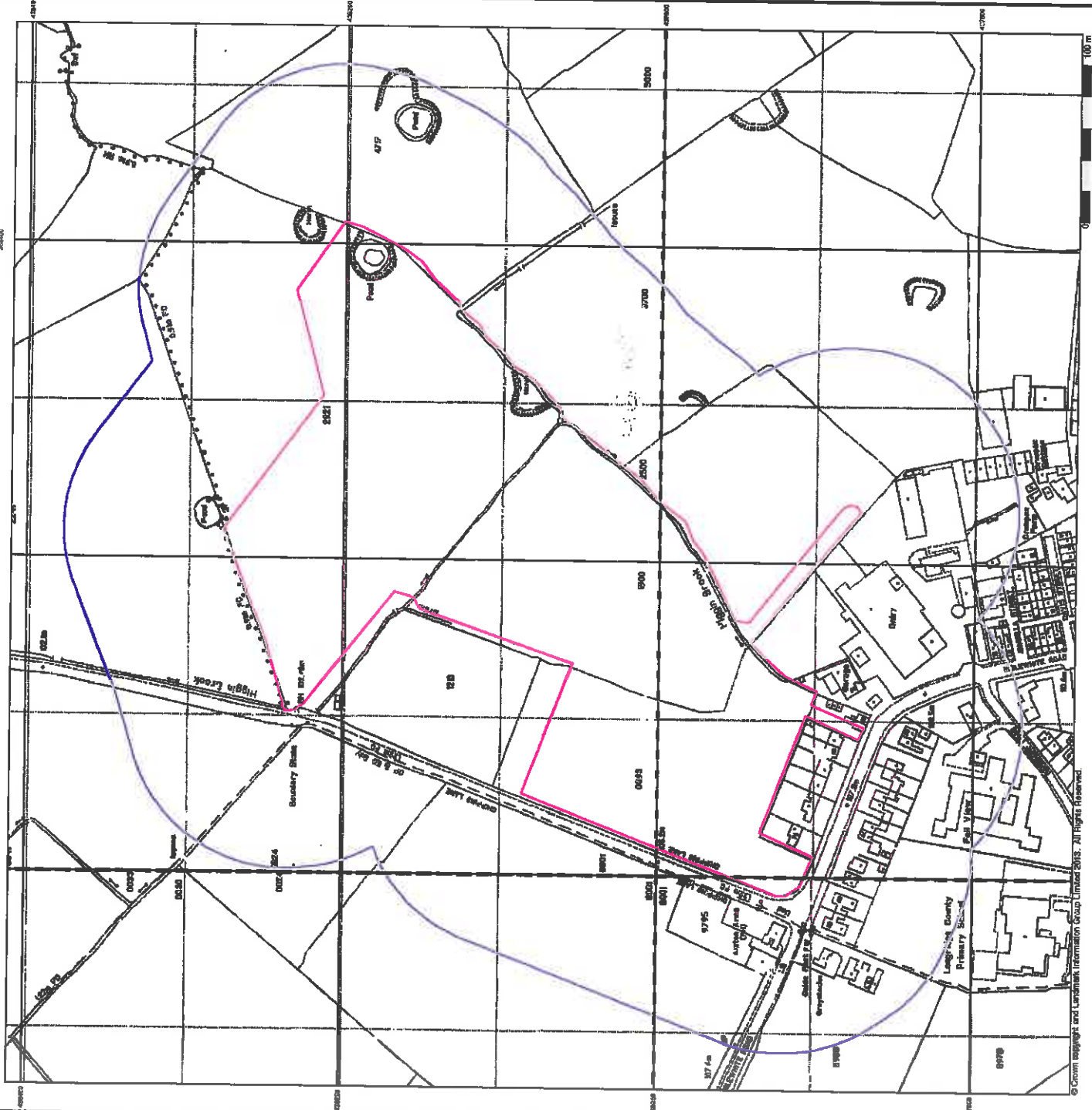
Order Number: 55312619_1_1
 Customer Ref: EB1355
 National Grid Reference: 360190, 438070
 Slice: A
 Site Area (Ha): 7.22
 Search Buffer (m): 100

Site Details

Site at 360130, 438020



Tel: 0844 844 9852
 Fax: 0844 844 9853
 Web: www.landmark.co.uk



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Large-Scale National Grid Data Published 1995

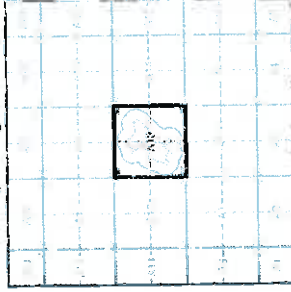
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SMI cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1998. These maps were the forerunners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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Order Number: 55312619_1_1
Customer Ref: EB1355
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OSM 1:2,500
1995
Map of the UK





**Large-Scale National Grid Data
Published 1996**

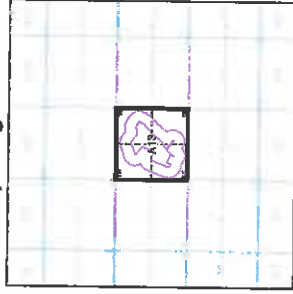
Source map scale - 1:2,500

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Map Name(s) and Date(s)



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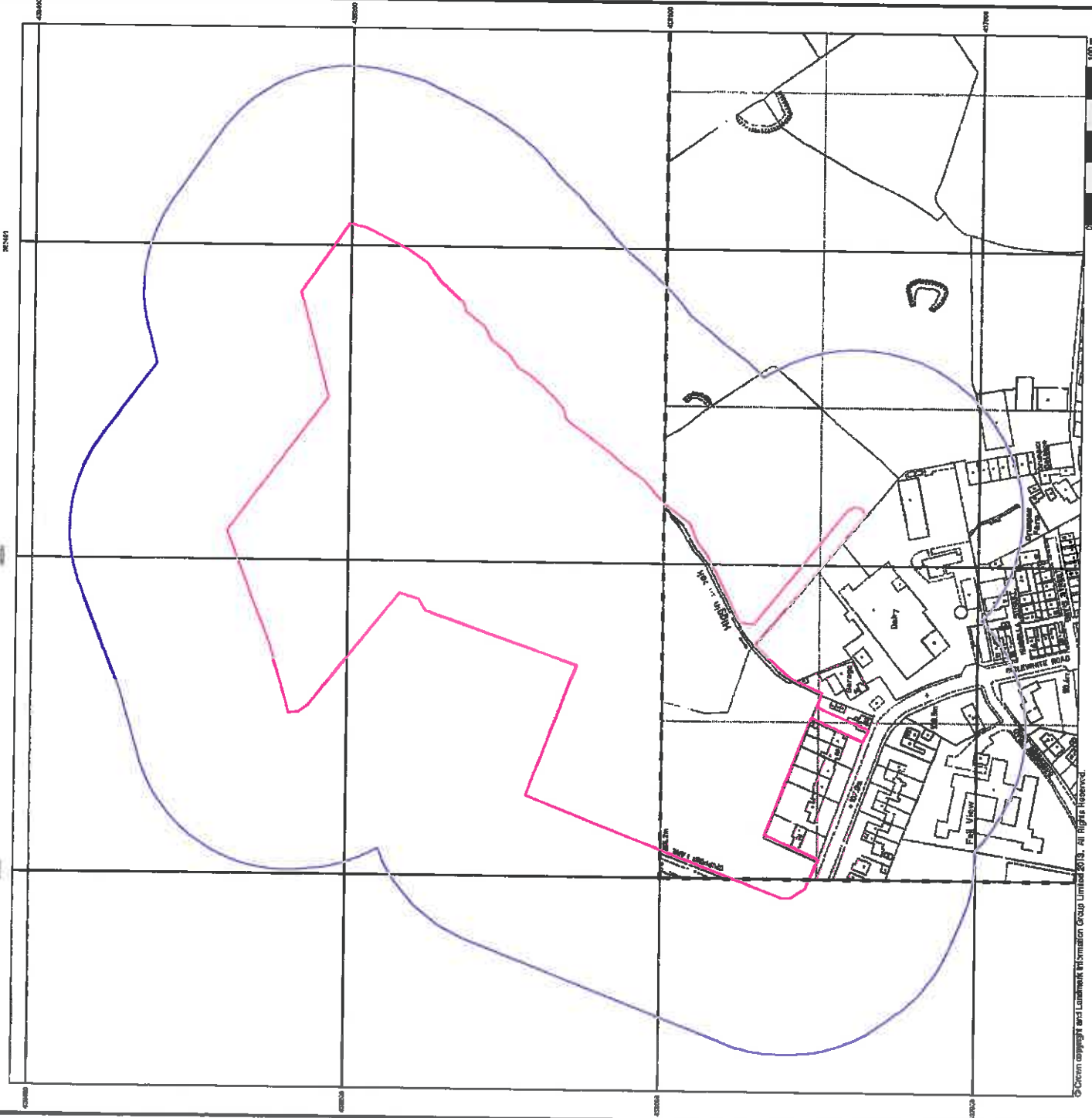
Order Number: 55312619_1_1
Customer Ref: EB1355
National Grid Reference: 360180, 438070
Site: A
Site Area (Ha): 7.22
Search Buffer (m): 100

Site Details

Site at 360130, 438020



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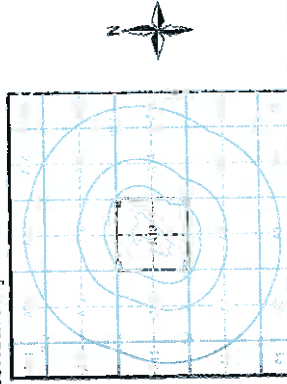
Historical Mapping & Photography Included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,000	1947	2
Lancashire And Furness	1:10,000	1985	4
Lancashire And Furness	1:10,000	1912 - 1914	6
Lancashire And Furness	1:10,000	1932	7
Ordnance Survey Plan	1:10,000	1988	8
Ordnance Survey Plan	1:10,000	1988	9
Ordnance Survey Plan	1:10,000	1970	10
Ordnance Survey Plan	1:10,000	1976	11
Ordnance Survey Plan	1:10,000	1984	12
10K Raster Mapping	1:10,000	2001	13
10K Raster Mapping	1:10,000	2004	14
VectorMap Local	1:10,000	2014	15

1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Copse or Overt
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of antiquity		Glasshouse
	General Building		Important Building

Historical Map - Slice A.



Order Details
 Order Number: 55312619_1_1
 Customer Ref: EB1355
 National Grid Reference: 360190, 438070
 Slice: A
 Site Area (Ha): 7.22
 Search Buffer (m): 1000

Site Details
 Site at 360130, 438020



Tel: 01444 882
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 Web: www.landmark.co.uk

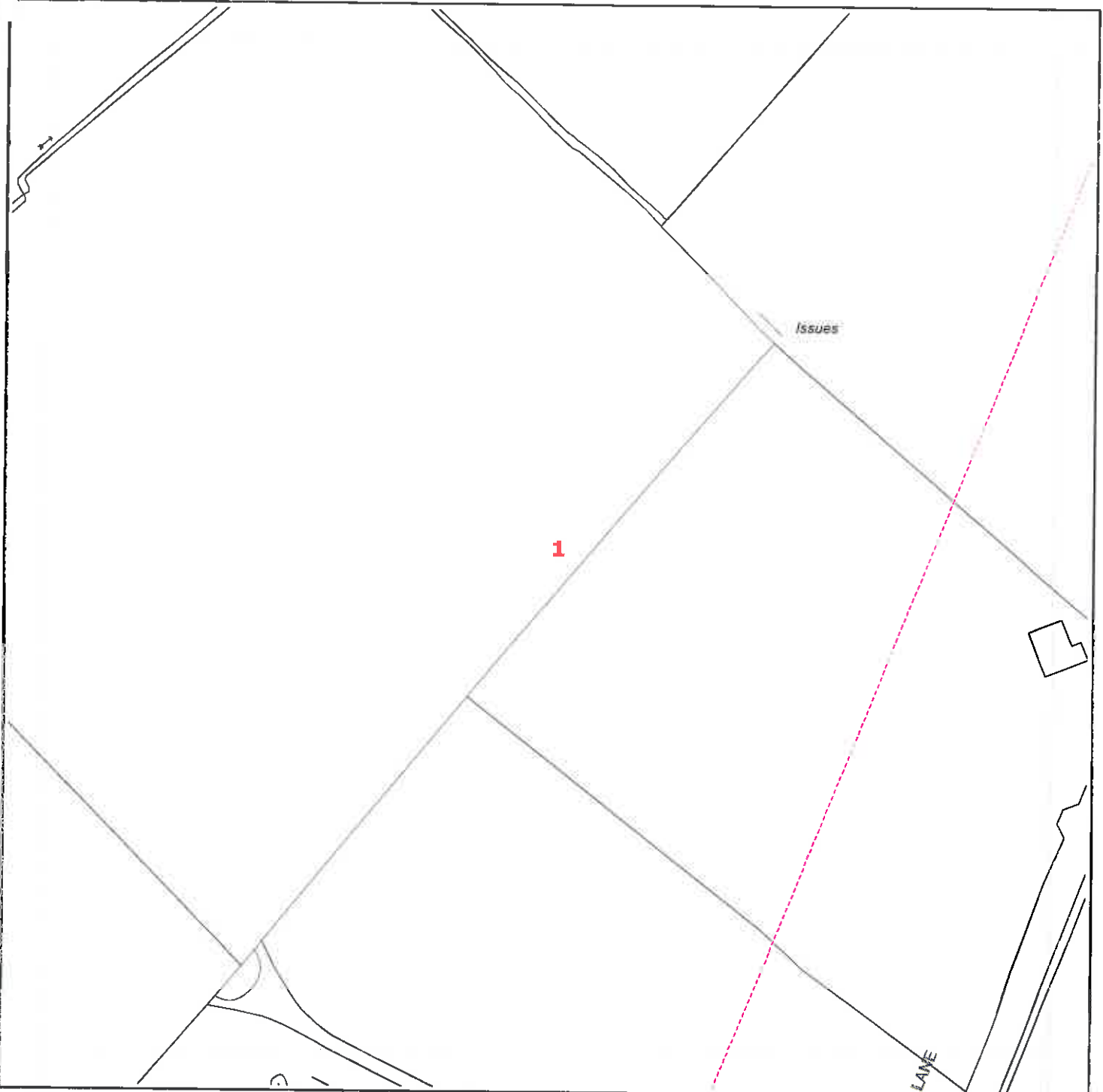
Historical Mapping Legends

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Laker, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Brocken		Heath
	Marsh		Reeds
	Building		Silt
	Glasshouse		Coppice
	Sloping Masonry		Rough Grassland
	Culling		Siltings
	Road Under		Section of Flow of Water
	Road Over		Pylon
	Level Crossing		Electricity Transmission Line
	Standard Gauge Multiple Track		Pole
	Standard Gauge Single Track		Standard Gauge Multiple Track
	Sliding, Tramway or Mineral Line		Standard Gauge Single Track
	Narrow Gauge		Sliding, Tramway or Mineral Line
	Geographical County		Narrow Gauge
	Administrative County, County Borough or County of City		Police Station
	Borough or District Council		Post Office
	Borough, Urban or Rural District		Public Convenience
	Burgh or District Council		Public House
	Burgh or County Constituency		Signal Box
	Civil Parish		Foot Bridge
	Shaded area where calculation of boundary is shown		Furrow
	Boundary Post or Stone		Telephone Call Box
	Church		Telephone Call Post
	Club House		Well
	Fire Engine Station		
	Foot Bridge		
	Furrow		
	Guide Post		
	Mile Stone		
	New Post		
	Telephone Call Post		
	Well		









Ordnance Survey County Series 1:10,560

	Gravel Pit		Other Pits
	Quarry		Orchard
	Overt		Marsh
	Mixed Wood		Deciduous
	Fir		Bushwood
	Arrow denotes flow of water		Rough Pasture
	Site of Antiquities		Trapezoidal Station
	Pump, Guide Post, Signal Post		Bench Mark
	Surface Level		Well, Spring, Boundary Post
	Sketched Contour		Instrumental Contour
	Minor Roads		Fences
	Surface Road		Unfenced
	Road over Railway		Railroad Road
	Railway over Road		Railway over River
	Road over River or Canal		Level Crossing
	Road over Stream		Road over Stream
	County Boundary (Geographical)		County & Civil Parish Boundary
	County & Civil Parish Boundary		Administrative County & Civil Parish Boundary
	Administrative County & Civil Parish Boundary		County Borough Boundary (England)
	County Borough Boundary (England)		County Borough Boundary (Scotland)
	County Borough Boundary (Scotland)		Rural District Boundary
	Rural District Boundary		Civil Parish Boundary
	Civil Parish Boundary		



Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area  Line 

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



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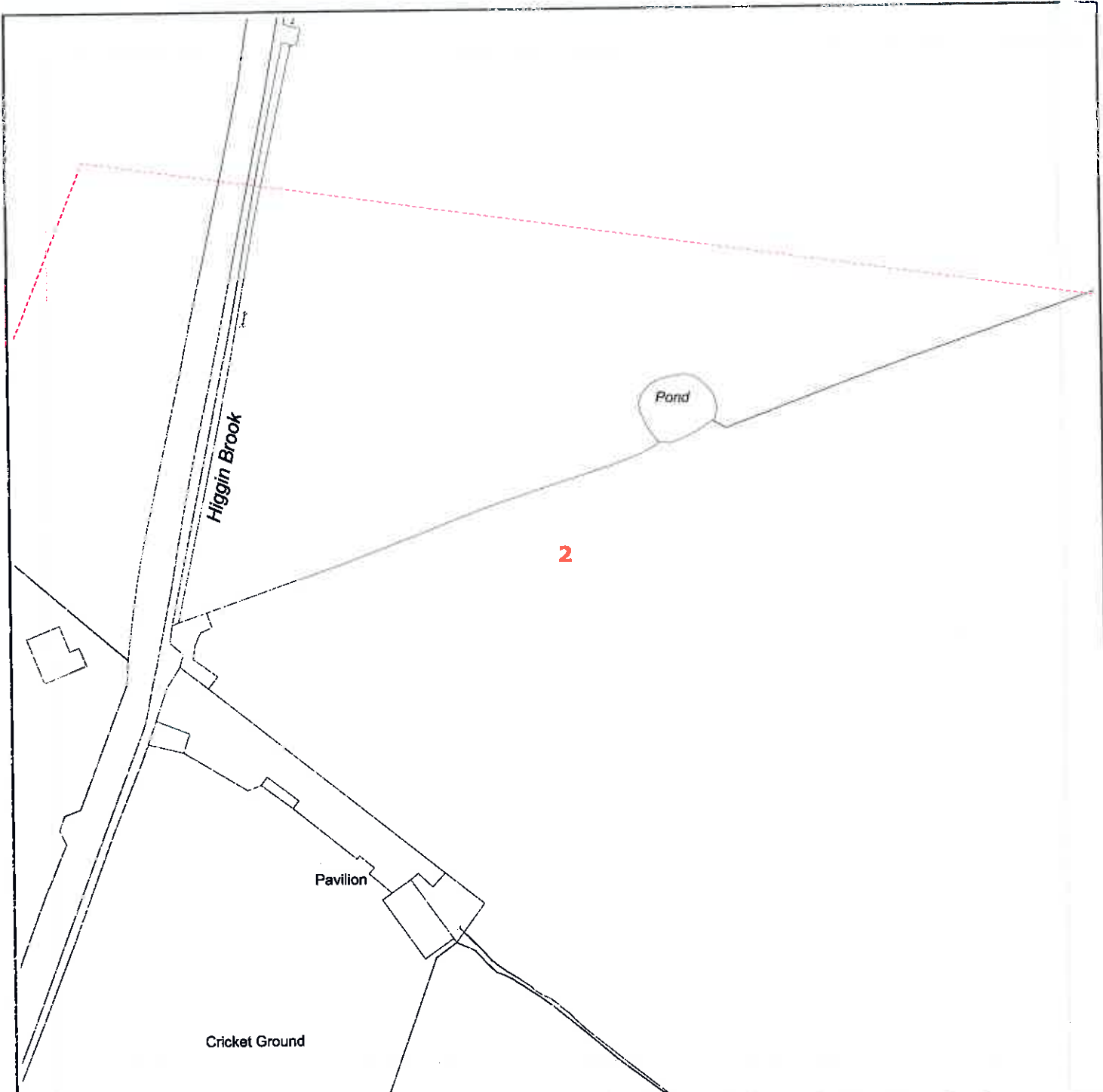
Scales on A4 paper:
 1:1250 Area dig site
 1:250 Line dig site

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Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG, Registered in England and Wales, Registered No 02366949



Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area Line

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
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LV	Orange	
Unknown Voltage	Brown	



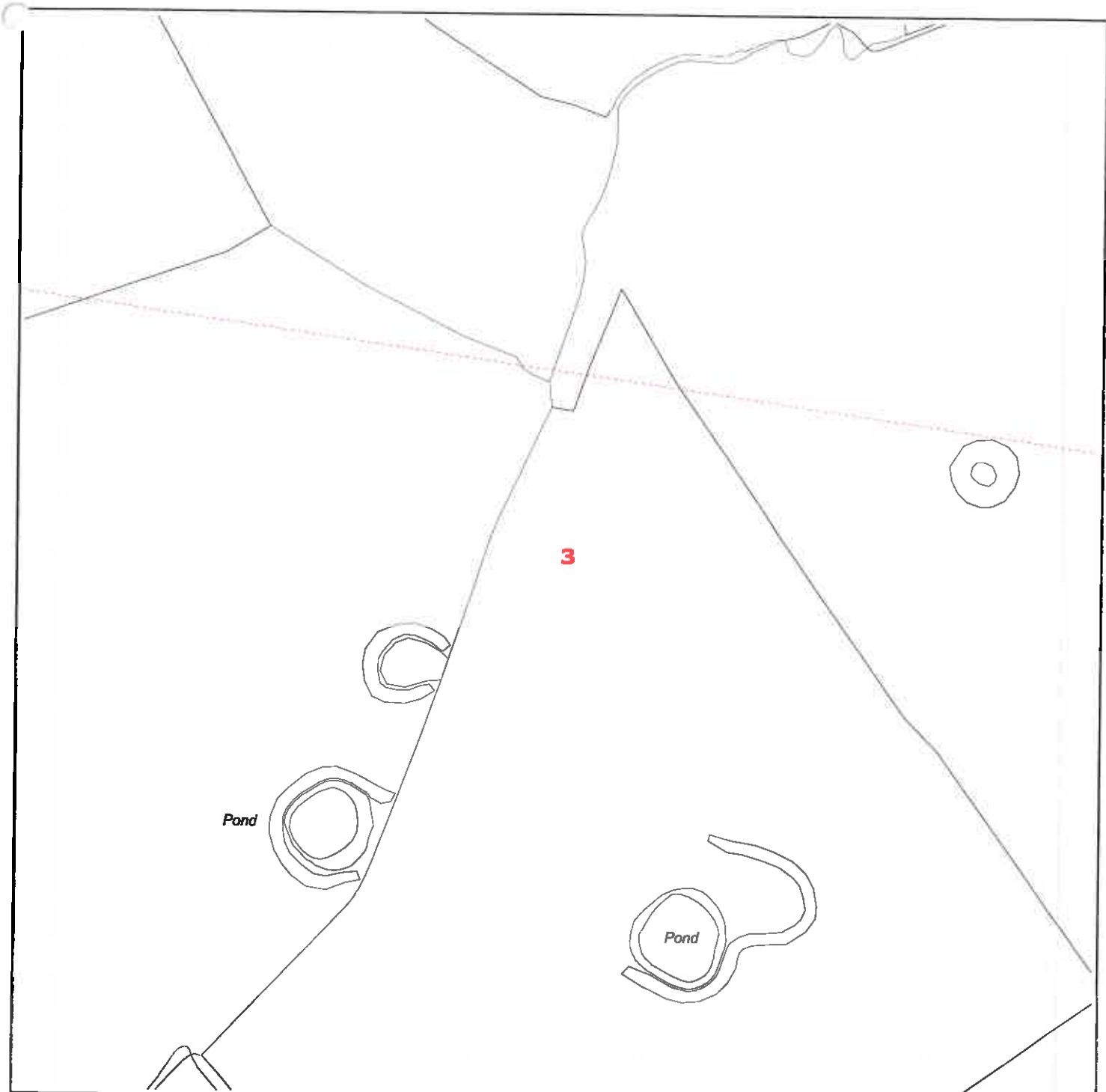
Data Management
 Electricity North West
 Linley House
 Dickinson Street
 Manchester, M1 4LF
 Phone: 0800 195 4141
 Email: planrequest@ernw.co.uk

Scales on A4 paper:
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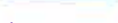

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LV	Orange	
Unknown Voltage	Brown	



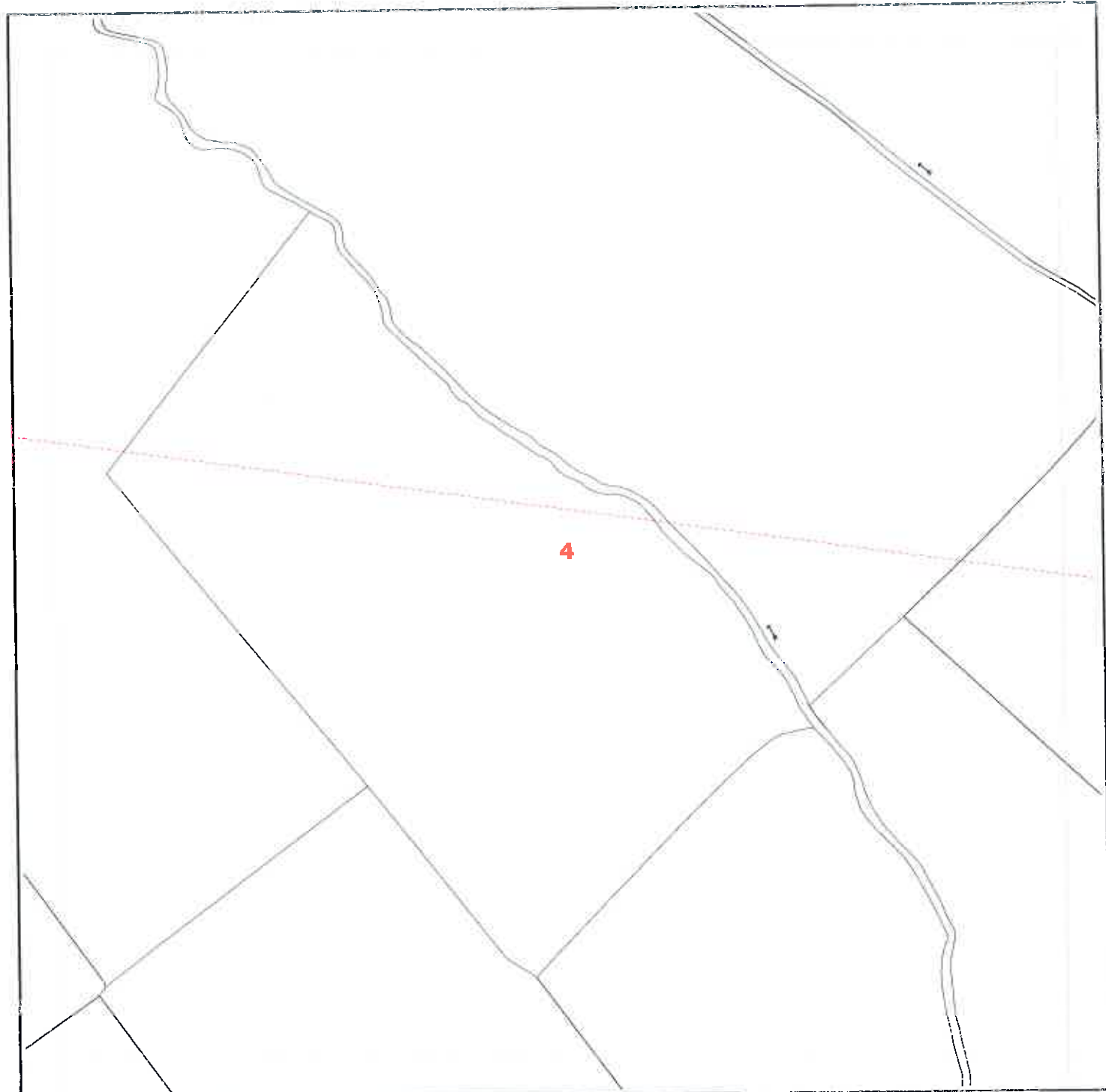
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Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



Dig Sites:
 Area Line

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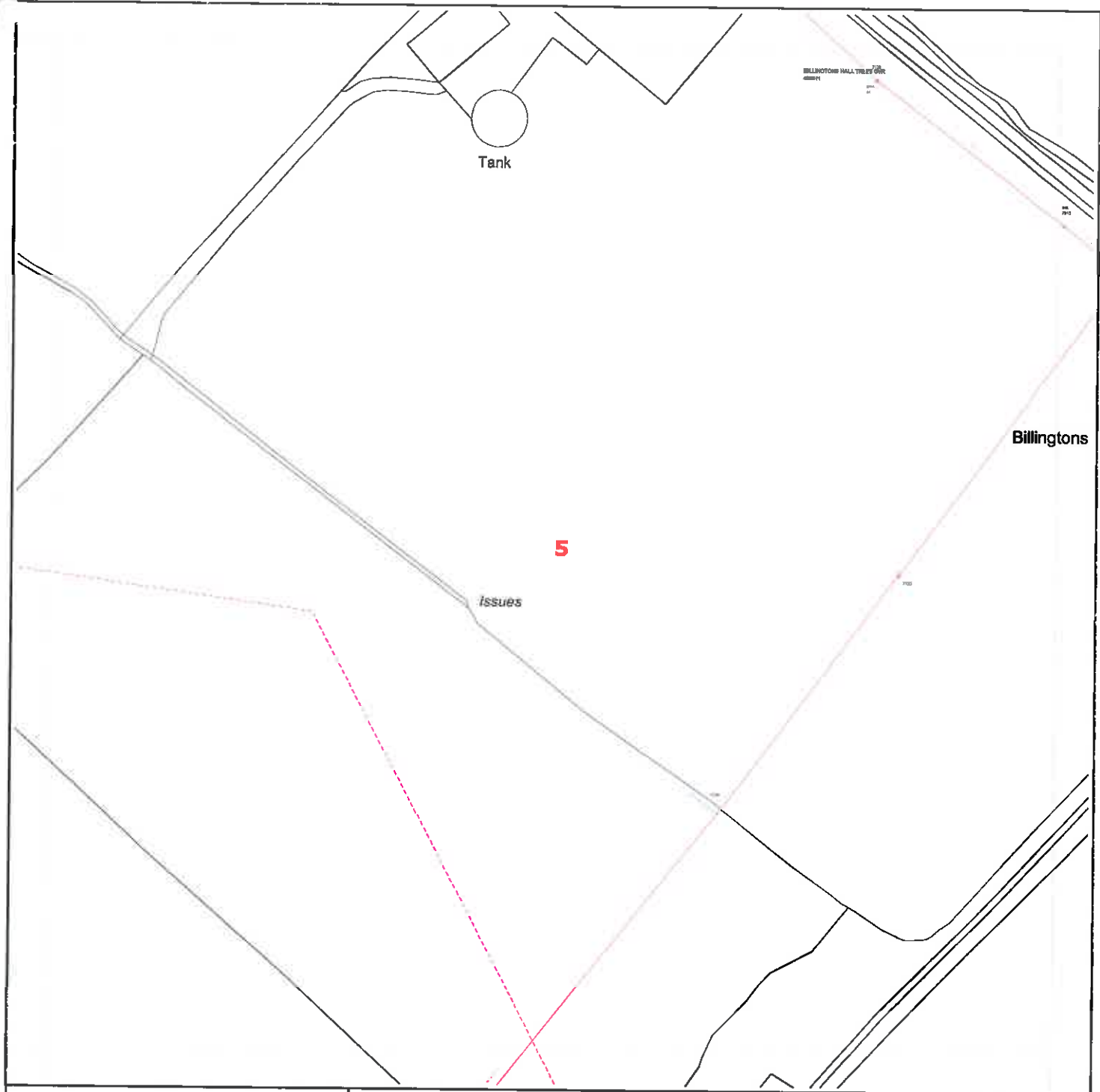
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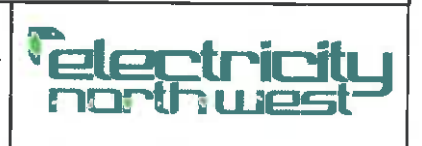
Scales on A4 paper:
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 1:250 Line dig site



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 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area Line

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
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Unknown Voltage	Brown	



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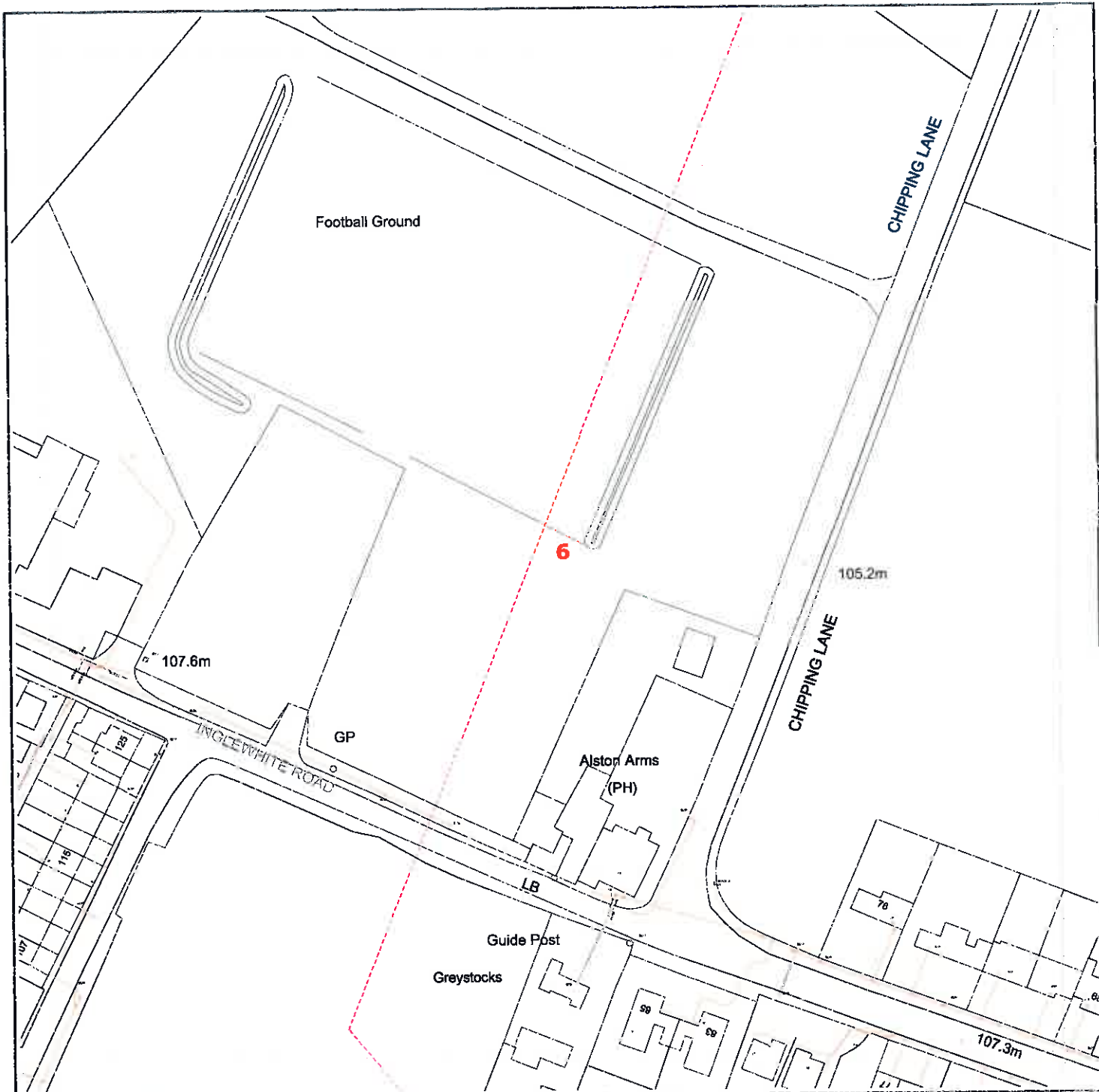
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Scales on A4 paper:
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Dig Sites:
 Area Line

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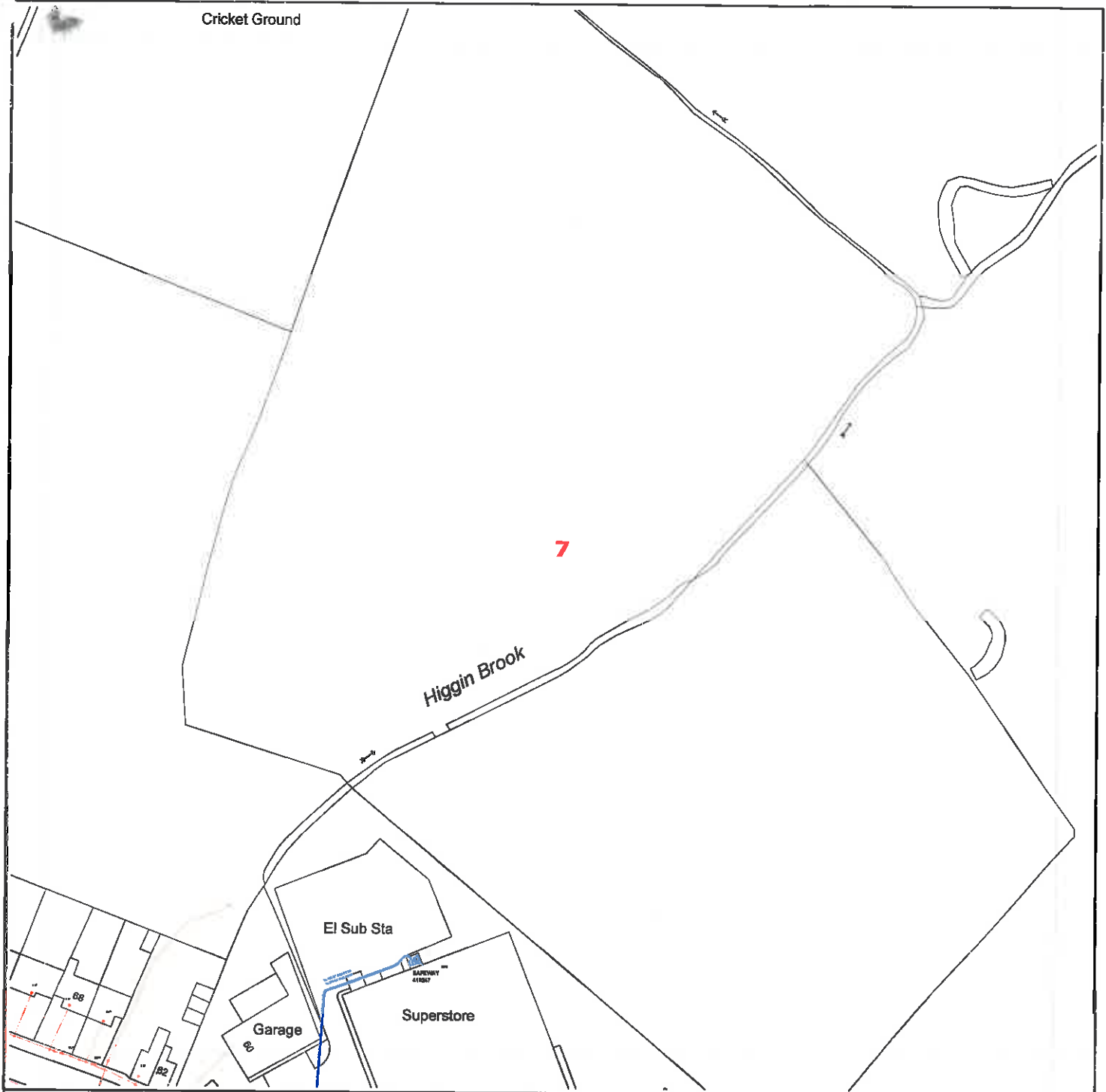
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 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area Line

Operating Voltage	Colour Code	Line Colour
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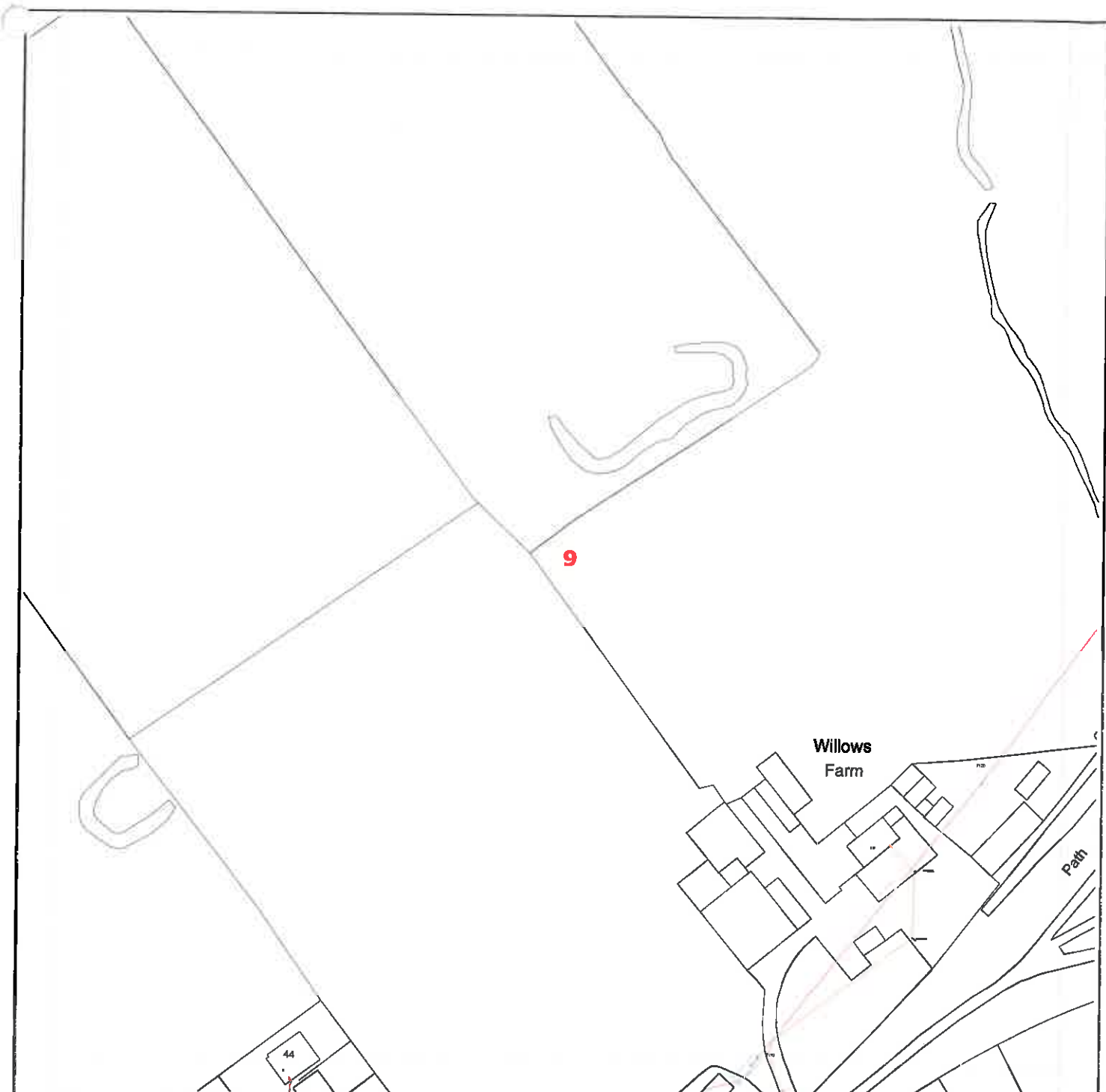
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Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949



Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area  Line 

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



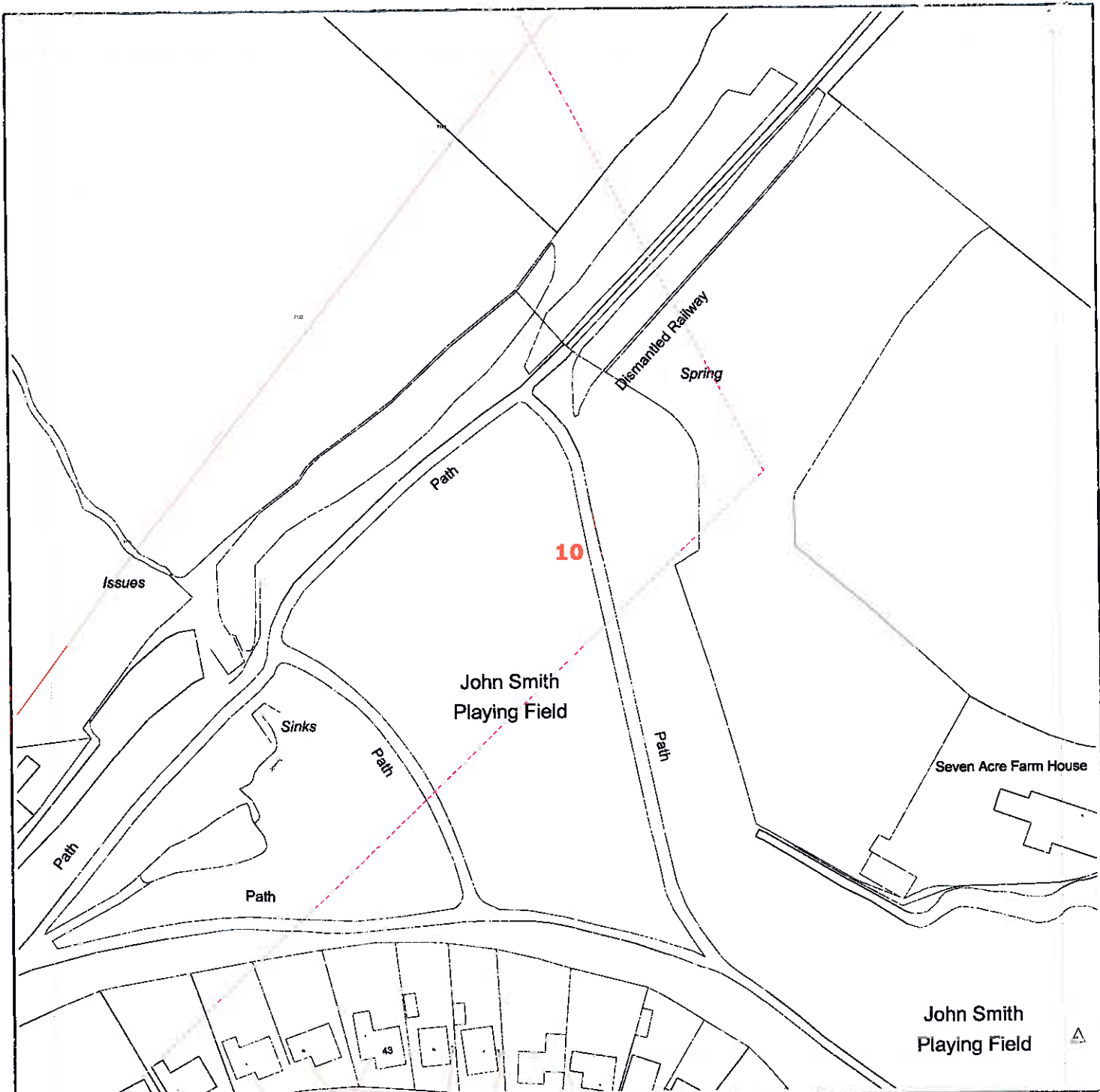
Data Management
 Electricity North West
 Linley House
 Dickinson Street
 Manchester, M1 4LF
 Phone: 0800 195 4141
 Email: planrequest@enwl.co.uk

Scales on A4 paper:
 1:1250 Area dig site
 1:250 Line dig site

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NUUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the Indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, straightlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.

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 Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG, Registered in England and Wales, Registered No 02366940



Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area Line

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-5kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



Data Management
 Electricity North West
 Linley House
 Dickinson Street
 Manchester, M1 4LF
 Phone: 0800 195 4141
 Email: planrequest@enwl.co.uk

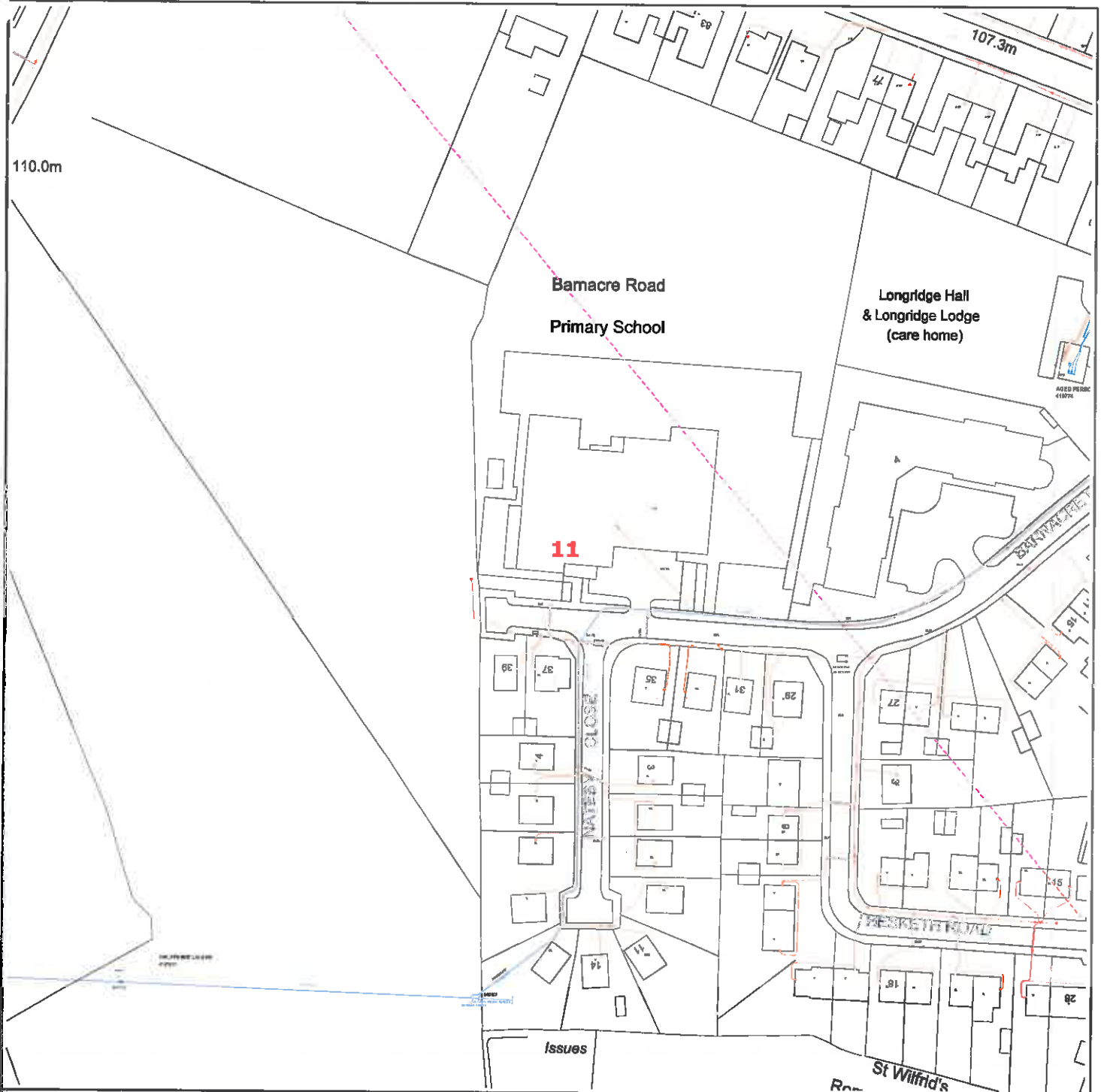
Scales on A4 paper:
 1:1250 Area dig site
 1:250 Line dig site

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Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".

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Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area  Line 

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



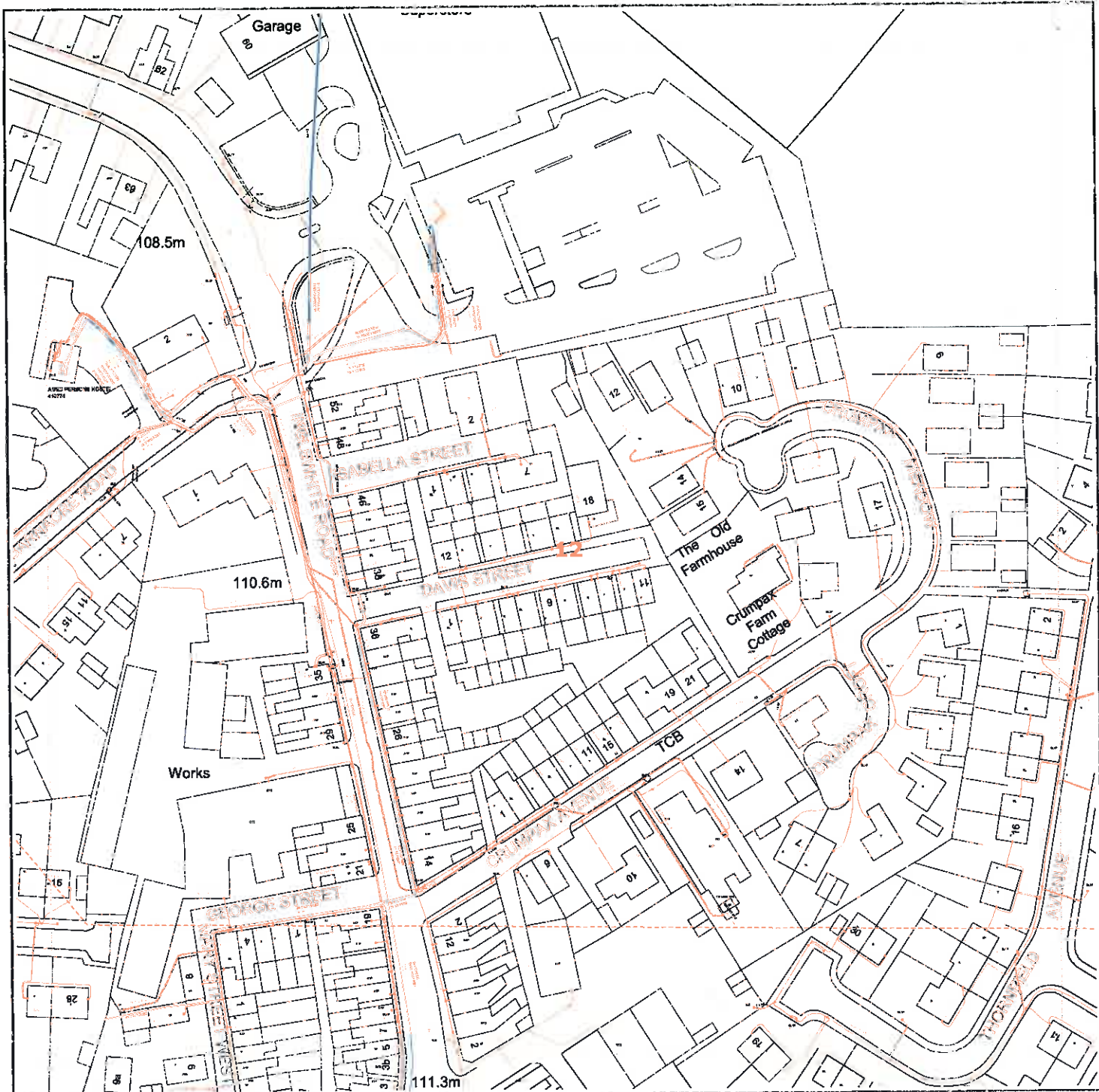
Data Management
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Scales on A4 paper:
 1:1250 Area dig site
 1:250 Line dig site



Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631482
 Your Scheme/Reference: Chippings Lane

Dig Sites:

Area Line

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-3kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



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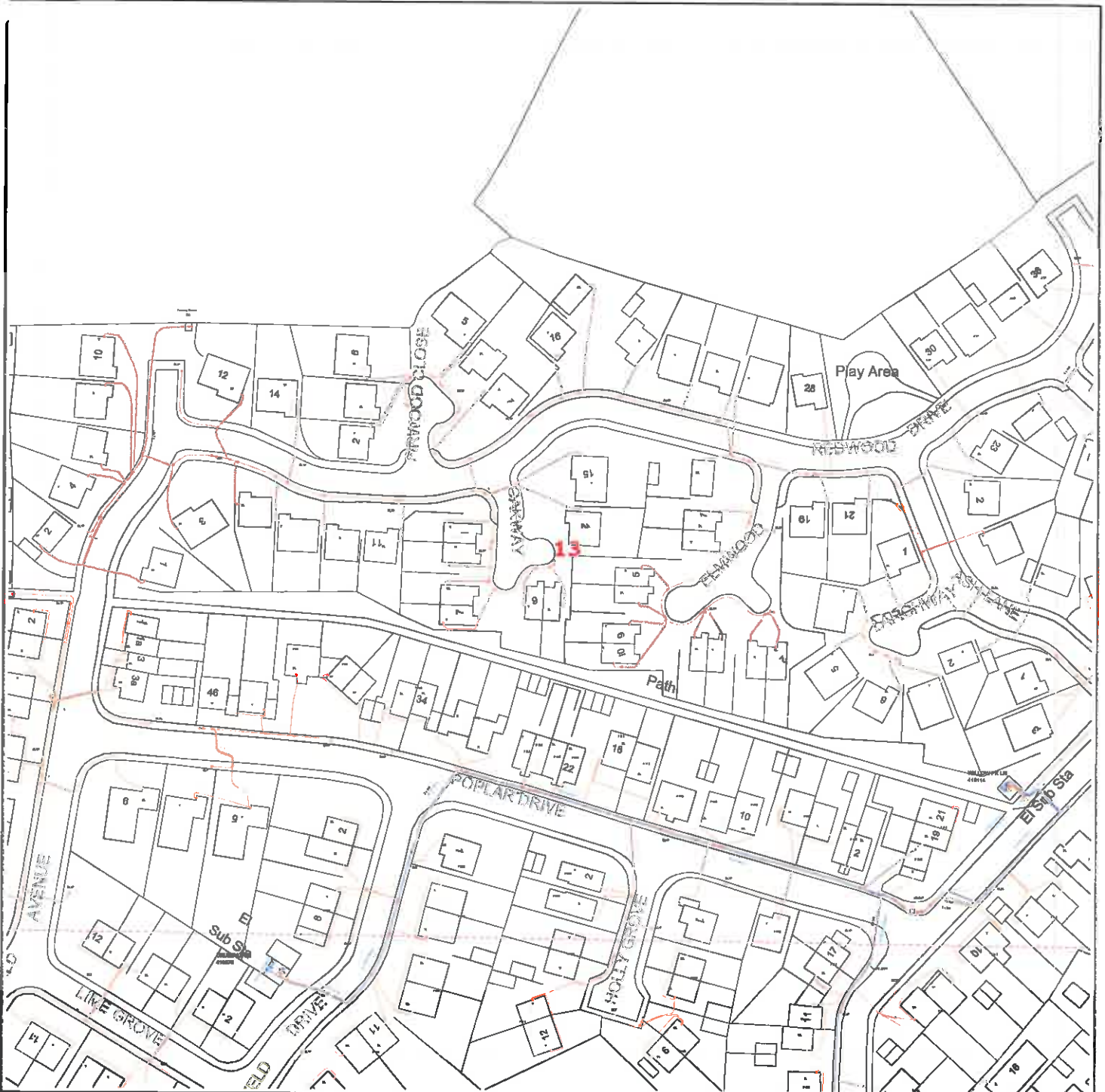
Scales on A4 paper:
 1:1250 Area dig site
 1:250 Line dig site

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Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area  Line 

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



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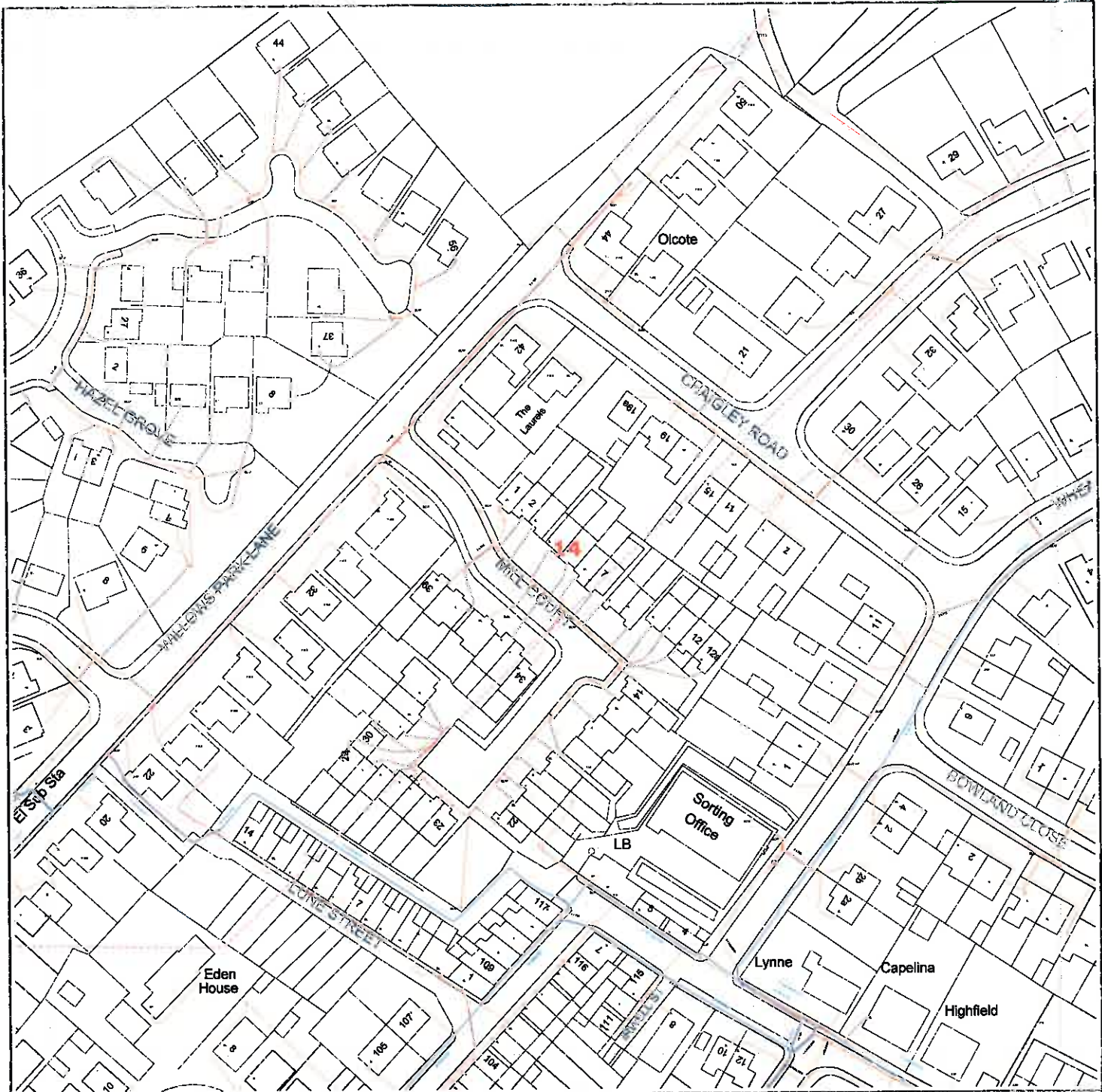
Scales on A4 paper:
 1:1250 Area dig site
 1:250 Line dig site

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Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area  Line 

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6KV-6.6KV	Blue	
1KV-6KV	Violet	
LV	Orange	
Unknown Voltage	Brown	



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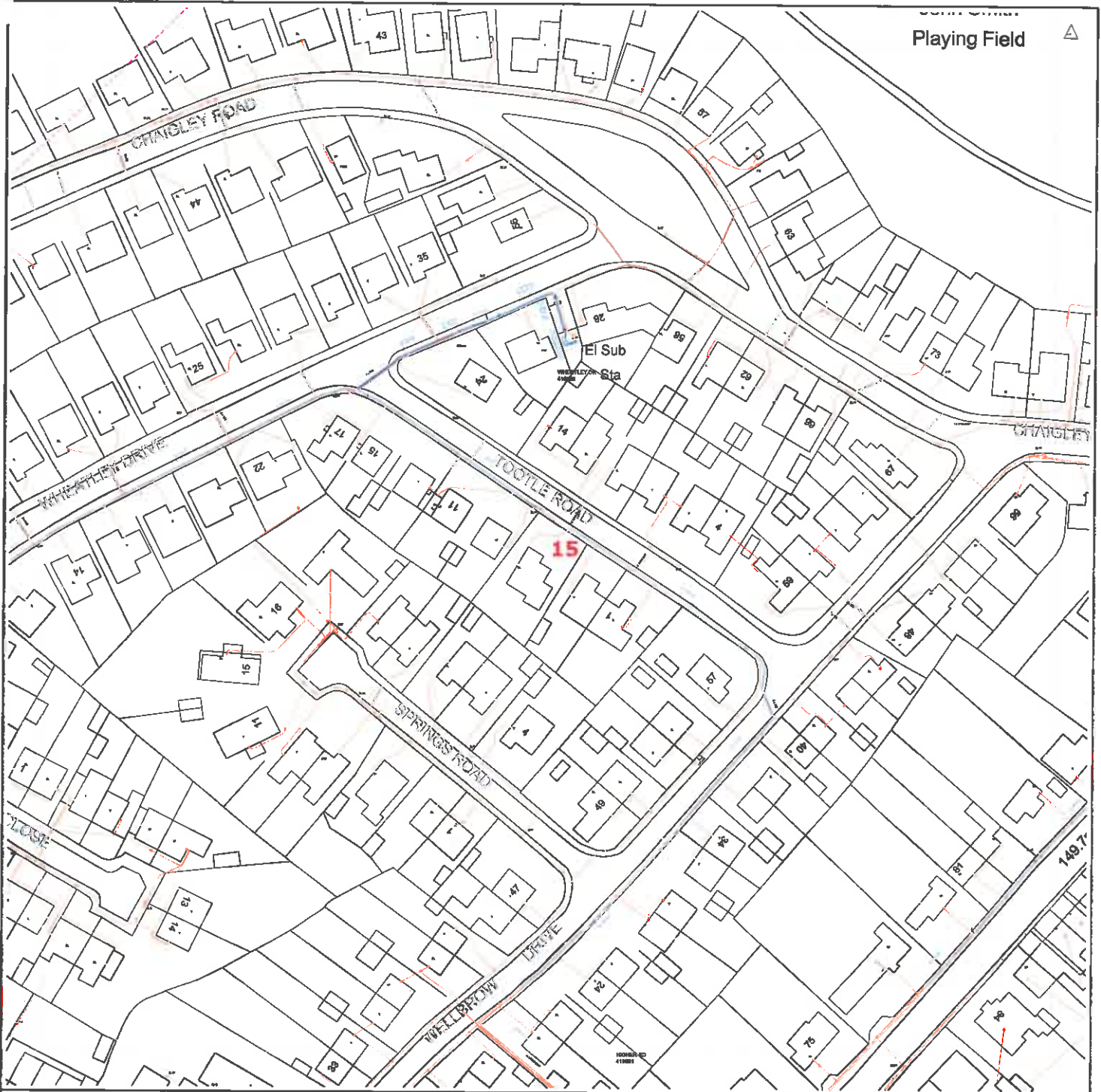
Scales on A4 paper:
 1:1250 Area dig site
 1:250 Line dig site

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Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG, Registered in England and Wales. Registered No 02366949



Requested by: Paul Wignall
 Company: Barratt Homes Manchester
 Date Requested: 09/11/2015
 Job Reference: 7631462
 Your Scheme/Reference: Chippings Lane

Dig Sites:
 Area Line

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



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Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".
 Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949

Scales on A4 paper:
 1:1250 Area dig site
 1:250 Line dig site

Barratt Manchester

**4 Brindley Road, City Park
Manchester**

M16 9HQ

FAO:

Dear Sirs

Location: LONGRIDGE CRICKET CLUB CHIPPING LANE LONGRIDGE PRESTON PR3 2NA

I acknowledge with thanks your request dated 09/11/15 for information on the location of our services.

Please find enclosed plans showing the approximate position of our apparatus known to be in the vicinity of this site. The enclosed plans are being provided to you subject to the United Utilities Terms and Conditions - Wastewater & Water Distribution Plans which are shown overleaf.

I also attach United Utilities' General Condition and Information sheets regarding United Utilities wastewater network and water distribution apparatus, which details contact numbers for additional services (i.e. new supplies, connections, diversions) which we are unable to deal with at this office. You should ensure that the Condition and Information sheets are made available to anyone carrying out any works which may affect our apparatus.

I trust the above meets with you requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please telephone us on 0370 7510101.

Yours Faithfully,



**Sue McManus
Operations Manager
Property Searches**

United Utilities Water Limited
Property Searches
Ground Floor Grasmere House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP
DX 715568 Warrington
Telephone 0370 751 0101

Property.searches@uuplc.co.uk

Your Ref: LONGRIDGE - FREDDIE
Our Ref: 14/ 1154561
Date: 10/11/2015

TERMS AND CONDITIONS - WASTERWATER & WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UUWL apparatus) of United Utilities Water Limited "(UUWL)".

TERMS AND CONDITIONS:

1. This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.

2. This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.

3. In particular, the position and depth of any UUWL apparatus shown on the Map are approximate only. UUWL strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUWL apparatus. The exact location, positions and depths should be obtained by excavation trial holes.

4. The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.

5. The position and depth of UUWL apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.

6. This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUWL apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.

7. No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUWL apparatus by reason of the actual position and/or depths of UUWL apparatus being different from those shown on the Map and any information supplied with it.

8. If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and affect.

9. This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUWL from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
01	(Symbol)	Sanitary Sewer
02	(Symbol)	Storm Sewer
03	(Symbol)	Water Main
04	(Symbol)	Gas Main
05	(Symbol)	Electric Power
06	(Symbol)	Telephone
07	(Symbol)	Cable TV
08	(Symbol)	Fire Alarm
09	(Symbol)	Security Alarm
10	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
11	(Symbol)	Sanitary Sewer
12	(Symbol)	Storm Sewer
13	(Symbol)	Water Main
14	(Symbol)	Gas Main
15	(Symbol)	Electric Power
16	(Symbol)	Telephone
17	(Symbol)	Cable TV
18	(Symbol)	Fire Alarm
19	(Symbol)	Security Alarm
20	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
21	(Symbol)	Sanitary Sewer
22	(Symbol)	Storm Sewer
23	(Symbol)	Water Main
24	(Symbol)	Gas Main
25	(Symbol)	Electric Power
26	(Symbol)	Telephone
27	(Symbol)	Cable TV
28	(Symbol)	Fire Alarm
29	(Symbol)	Security Alarm
30	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
31	(Symbol)	Sanitary Sewer
32	(Symbol)	Storm Sewer
33	(Symbol)	Water Main
34	(Symbol)	Gas Main
35	(Symbol)	Electric Power
36	(Symbol)	Telephone
37	(Symbol)	Cable TV
38	(Symbol)	Fire Alarm
39	(Symbol)	Security Alarm
40	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
41	(Symbol)	Sanitary Sewer
42	(Symbol)	Storm Sewer
43	(Symbol)	Water Main
44	(Symbol)	Gas Main
45	(Symbol)	Electric Power
46	(Symbol)	Telephone
47	(Symbol)	Cable TV
48	(Symbol)	Fire Alarm
49	(Symbol)	Security Alarm
50	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
51	(Symbol)	Sanitary Sewer
52	(Symbol)	Storm Sewer
53	(Symbol)	Water Main
54	(Symbol)	Gas Main
55	(Symbol)	Electric Power
56	(Symbol)	Telephone
57	(Symbol)	Cable TV
58	(Symbol)	Fire Alarm
59	(Symbol)	Security Alarm
60	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
61	(Symbol)	Sanitary Sewer
62	(Symbol)	Storm Sewer
63	(Symbol)	Water Main
64	(Symbol)	Gas Main
65	(Symbol)	Electric Power
66	(Symbol)	Telephone
67	(Symbol)	Cable TV
68	(Symbol)	Fire Alarm
69	(Symbol)	Security Alarm
70	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
71	(Symbol)	Sanitary Sewer
72	(Symbol)	Storm Sewer
73	(Symbol)	Water Main
74	(Symbol)	Gas Main
75	(Symbol)	Electric Power
76	(Symbol)	Telephone
77	(Symbol)	Cable TV
78	(Symbol)	Fire Alarm
79	(Symbol)	Security Alarm
80	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
81	(Symbol)	Sanitary Sewer
82	(Symbol)	Storm Sewer
83	(Symbol)	Water Main
84	(Symbol)	Gas Main
85	(Symbol)	Electric Power
86	(Symbol)	Telephone
87	(Symbol)	Cable TV
88	(Symbol)	Fire Alarm
89	(Symbol)	Security Alarm
90	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
91	(Symbol)	Sanitary Sewer
92	(Symbol)	Storm Sewer
93	(Symbol)	Water Main
94	(Symbol)	Gas Main
95	(Symbol)	Electric Power
96	(Symbol)	Telephone
97	(Symbol)	Cable TV
98	(Symbol)	Fire Alarm
99	(Symbol)	Security Alarm
100	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
101	(Symbol)	Sanitary Sewer
102	(Symbol)	Storm Sewer
103	(Symbol)	Water Main
104	(Symbol)	Gas Main
105	(Symbol)	Electric Power
106	(Symbol)	Telephone
107	(Symbol)	Cable TV
108	(Symbol)	Fire Alarm
109	(Symbol)	Security Alarm
110	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
111	(Symbol)	Sanitary Sewer
112	(Symbol)	Storm Sewer
113	(Symbol)	Water Main
114	(Symbol)	Gas Main
115	(Symbol)	Electric Power
116	(Symbol)	Telephone
117	(Symbol)	Cable TV
118	(Symbol)	Fire Alarm
119	(Symbol)	Security Alarm
120	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
121	(Symbol)	Sanitary Sewer
122	(Symbol)	Storm Sewer
123	(Symbol)	Water Main
124	(Symbol)	Gas Main
125	(Symbol)	Electric Power
126	(Symbol)	Telephone
127	(Symbol)	Cable TV
128	(Symbol)	Fire Alarm
129	(Symbol)	Security Alarm
130	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
131	(Symbol)	Sanitary Sewer
132	(Symbol)	Storm Sewer
133	(Symbol)	Water Main
134	(Symbol)	Gas Main
135	(Symbol)	Electric Power
136	(Symbol)	Telephone
137	(Symbol)	Cable TV
138	(Symbol)	Fire Alarm
139	(Symbol)	Security Alarm
140	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
141	(Symbol)	Sanitary Sewer
142	(Symbol)	Storm Sewer
143	(Symbol)	Water Main
144	(Symbol)	Gas Main
145	(Symbol)	Electric Power
146	(Symbol)	Telephone
147	(Symbol)	Cable TV
148	(Symbol)	Fire Alarm
149	(Symbol)	Security Alarm
150	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
151	(Symbol)	Sanitary Sewer
152	(Symbol)	Storm Sewer
153	(Symbol)	Water Main
154	(Symbol)	Gas Main
155	(Symbol)	Electric Power
156	(Symbol)	Telephone
157	(Symbol)	Cable TV
158	(Symbol)	Fire Alarm
159	(Symbol)	Security Alarm
160	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
161	(Symbol)	Sanitary Sewer
162	(Symbol)	Storm Sewer
163	(Symbol)	Water Main
164	(Symbol)	Gas Main
165	(Symbol)	Electric Power
166	(Symbol)	Telephone
167	(Symbol)	Cable TV
168	(Symbol)	Fire Alarm
169	(Symbol)	Security Alarm
170	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
171	(Symbol)	Sanitary Sewer
172	(Symbol)	Storm Sewer
173	(Symbol)	Water Main
174	(Symbol)	Gas Main
175	(Symbol)	Electric Power
176	(Symbol)	Telephone
177	(Symbol)	Cable TV
178	(Symbol)	Fire Alarm
179	(Symbol)	Security Alarm
180	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
181	(Symbol)	Sanitary Sewer
182	(Symbol)	Storm Sewer
183	(Symbol)	Water Main
184	(Symbol)	Gas Main
185	(Symbol)	Electric Power
186	(Symbol)	Telephone
187	(Symbol)	Cable TV
188	(Symbol)	Fire Alarm
189	(Symbol)	Security Alarm
190	(Symbol)	Other

WASTE NUMBER SYMBOLOGY

WASTE NUMBER	SYMBOL	DESCRIPTION
191	(Symbol)	Sanitary Sewer
192	(Symbol)	Storm Sewer
193	(Symbol)	Water Main
194	(Symbol)	Gas Main
195	(Symbol)	Electric Power
196	(Symbol)	Telephone
197	(Symbol)	Cable TV
198	(Symbol)	Fire Alarm
199	(Symbol)	Security Alarm
200	(Symbol)	Other



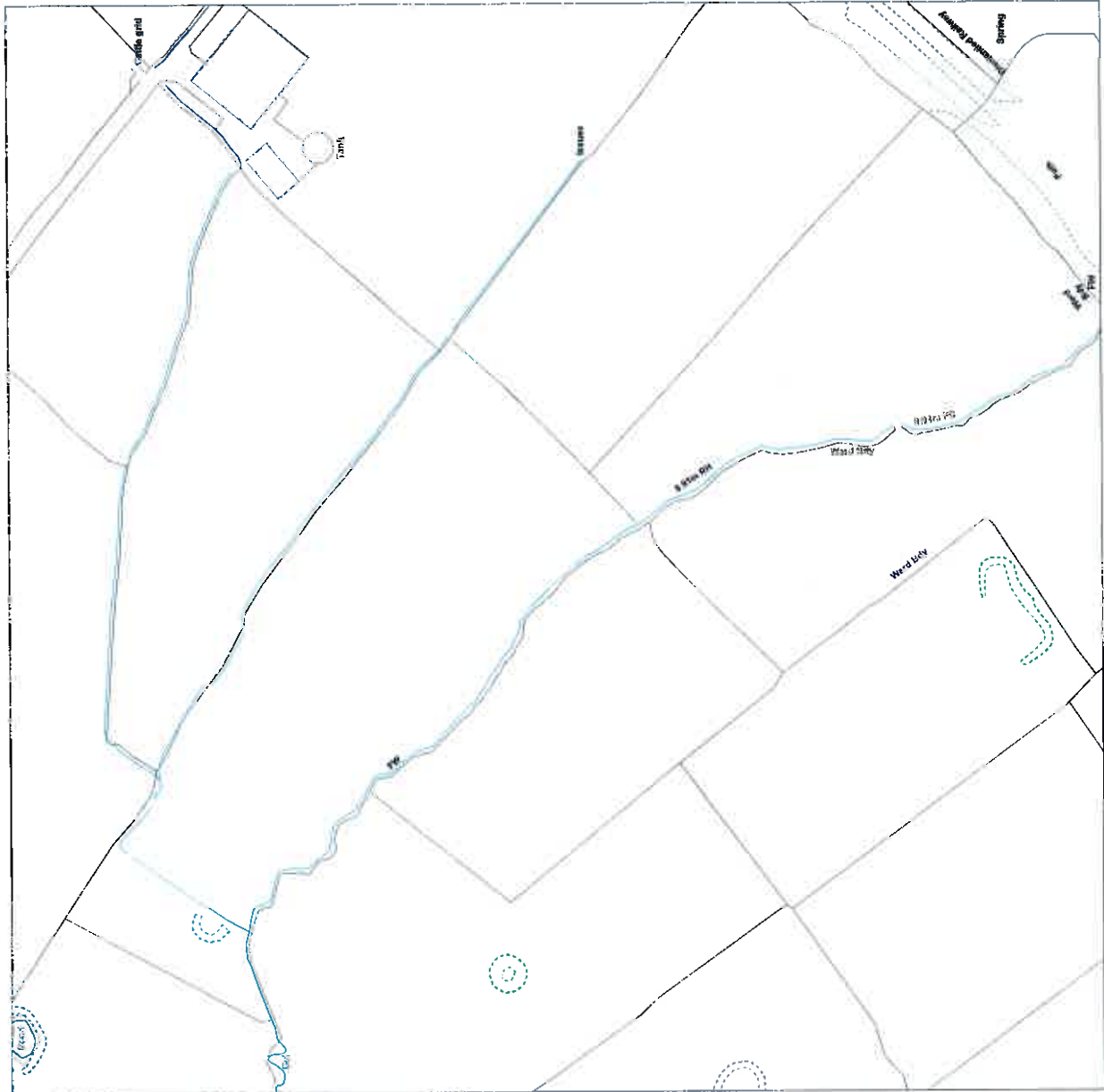
OS Street No. SD6037NE
 Scale: 1:1250 Date: 10/11/2015
 188 Nodes
 Sheet 1 of 1



SEWER RECORDS

OS Sheet No: SD6037NE
 Scale: 1:1250 Date: 10/11/2015

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Show: Catch Basin Manhole Valve Sewer Pipe

WASTEWATER SYMBOLOLOGY

Symbol	Description
(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe
(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe

WASTEWATER SYMBOLOLOGY

(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe
(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe

LEGEND

(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe
(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe

LEGEND

(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe
(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe

LEGEND

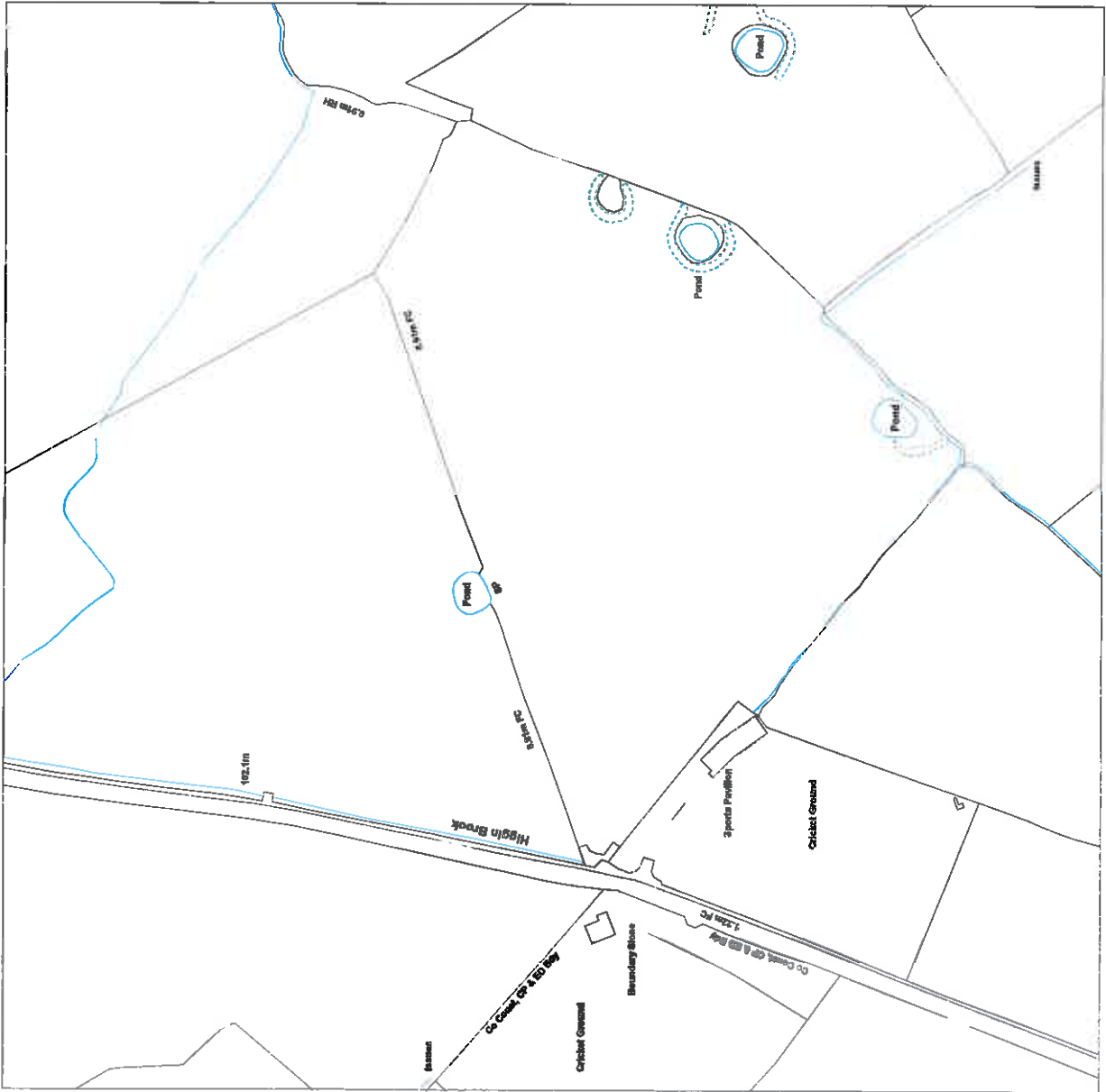
(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe
(Symbol)	Manhole
(Symbol)	Catch Basin
(Symbol)	Valve
(Symbol)	Sewer Pipe

OS Sheet No. SD6038SE
 Scale: 1:1250 Date: 10/11/2015
 0 Nodes
 Sheet 1 of 1



OS Sheet No: SD6038SE
 Scale: 1:1250 Date: 10/11/2015

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Legend

PIPE WORK

Line	Proposed
Trunk Main - Pressure Main	Trunk Main - Pressure Main
New Water Aqueduct - Pressure Main	New Water Aqueduct - Pressure Main
LTSM Raw Water Distribution - Pressure Main	LTSM Raw Water Distribution - Pressure Main
LTSM Treated Water Distribution - Pressure Main	LTSM Treated Water Distribution - Pressure Main
Private Pipe - Lateral Line	Private Pipe - Lateral Line
Pressure Main - Pressure Main	Pressure Main - Pressure Main
Condominium Service - Lateral Line	Condominium Service - Lateral Line

NODES/FUNCTIONS

Line	Proposed
End Cap	End Cap
CC Valve	CC Valve
AC Valve	AC Valve
AP Valve	AP Valve
SMV Valve	SMV Valve
Non Return Valve	Non Return Valve
Pressure Management Valve	Pressure Management Valve
Change of Chlor	Change of Chlor
Anode	Anode
Chlorination Point	Chlorination Point
Bore Hole	Bore Hole
Jacket Point	Jacket Point
Bulk Supply Point	Bulk Supply Point
Fire Hydrant	Fire Hydrant
Hydrant	Hydrant
Private Fire Hydrant	Private Fire Hydrant
Pump	Pump
Shaft Termination	Shaft Termination
Service End	Service End
Process Meter	Process Meter
Stop Tap	Stop Tap
Monitor Location	Monitor Location
Strainer Point	Strainer Point
Access Point	Access Point
Hatch Box	Hatch Box
IP Point	IP Point
Route Marker	Route Marker
Sampling Station	Sampling Station
Logger Box	Logger Box

Property Types

Line	Proposed
Condition Report	Condition Report
Pipe Bridges	Pipe Bridges
Tunnels (non carrier)	Tunnels (non carrier)
Pumping Station	Pumping Station
Water Treatment Works	Water Treatment Works
Private Treatment Works	Private Treatment Works
1/2in House	1/2in House
Water Tower	Water Tower
Service Reservoir	Service Reservoir
Supply Reservoir	Supply Reservoir
Abandonment Point	Abandonment Point
Damatic meter	Damatic meter
Command meter	Command meter
Telemetry Station	Telemetry Station

Material Types

AC ASBESTOS	CEMENT	OT OTHERS
CI CAST IRON	PA LEAD	PA LEAD
CU COPPER	PV UPVC	PV UPVC
CO CONCRETE	BI SPUN IRON	BI SPUN IRON
DI DUCTILE IRON	ST STEEL	ST STEEL
GR GREY IRON	UNWIDENED IRON	UNWIDENED IRON
	PE POLYETHYLENE	PE POLYETHYLENE

Lining Types

CL CEMENT LINING	ERL EPOXY RESIN
TB TAR OR BITUMEN	

Insertion Types

HO MOLING	HO MOLING
DD DIE DRAMA	DD DIE DRAMA
DR DIRECTIONAL DRILLING	DR DIRECTIONAL DRILLING
SL SLIP LINED	SL SLIP LINED

The position of underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. The actual positions may be different from those shown on the plan private service pipes may be shown by a broken blue line. United Utilities will not accept any liability for any damage caused by the actual positions being different from those shown.

United Utilities Water Limited 2014. The plan is based on the Ordnance Survey Map with the sanction of Controller of H.M. Stationery Office. Crown and Utilities copyrights are reserved. Unauthorised reproduction will infringe these copyrights.

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 Scale: 1: 1250
 Date: 10/11/2015



OS Sheet No: SD6038SW
 Scale: 1: 1250
 Date: 10/11/2015

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WASTE WATER SYMBOLOGY

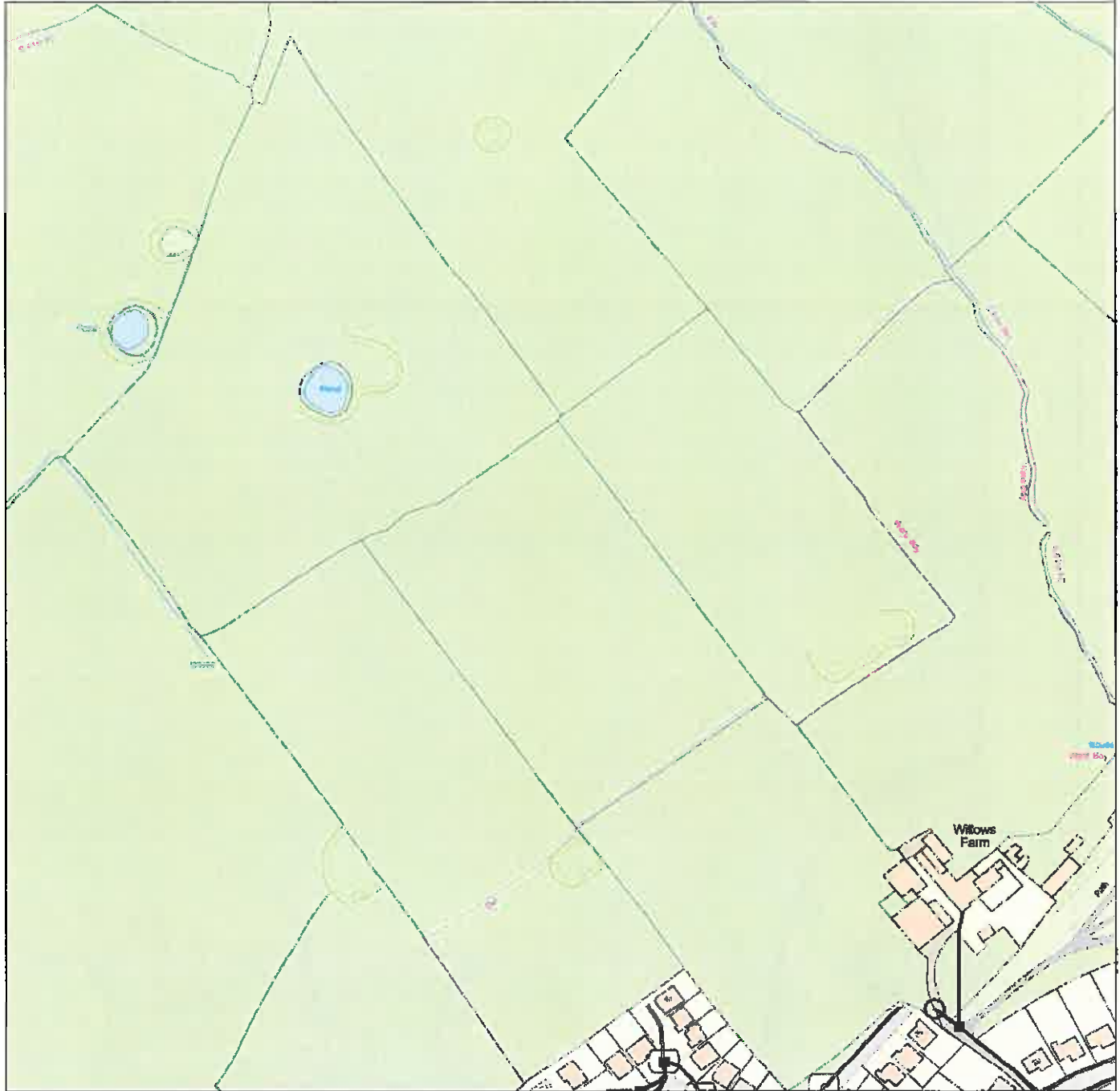
<p>Foul</p>	<p>Surface</p>	<p>Combined</p>	<p>Overflow</p>	<p>Overflow</p>	<p>Foul</p>	<p>Surface</p>	<p>Combined</p>
<p>Foul</p>	<p>Surface</p>	<p>Combined</p>	<p>Foul</p>	<p>Surface</p>	<p>Combined</p>	<p>Overflow</p>	<p>Overflow</p>

MANHOLE FUNCTION		SEWER SHAPE		SEWER MATERIAL	
FO	Foul	CI	Circular	AC	Asbestos Cement
SW	Surface Water	EG	Egg	BR	Brick
CD	Combined	OV	Oval	CO	Concrete
OV	Overflow	PT	Flat Top	CSB	Concrete Segment
		RE	Rectangular	CSU	Concrete Segment
		SQ	Square	CC	Concrete Box Culvert
				PCG	Plastic / Steel
				GR	Glass Reinforced
				GRP	Glass Reinforced
				PVC	Polyvinyl Chloride
				PE	Polyethylene
		DI	Ductile Iron		
		VC	Vitrified Clay		
		PP	Polypropylene		
		WF	Woven Fibre		
		MA	Masonry, Coursed		
		MR	Masonry, Random		
		RP	Reinforced Plastic		
		CI	Cast Iron		
		SI	Span Iron		
		ST	Steel		
		U	Unspecified		

CLEAN WATER SYMBOLOGY

<p>PIPE WORK</p> <p>Live Proposed</p> <p>Trunk Main - Pressurised Main</p> <p>Raw Water Aqueduct - Pressurised Main</p> <p>Raw Water Aqueduct - Gravity Main</p> <p>LDTM Raw Water Distribution - Pressurised Main</p> <p>LDTM Raw Water Distribution - Gravity Main</p> <p>LDTM Treated Water Distribution - Pressurised Main</p> <p>LDTM Treated Water Distribution - Gravity Main</p> <p>Private Pipe - Lateral Line</p> <p>Distribution Main - Pressurised Main</p> <p>Comms Pipe - Lateral Line</p> <p>Concessionary Service - Lateral Line</p>	<p>ABANDONED PIPE</p> <p>Trunk Main</p> <p>Raw Water Aqueduct</p> <p>LDTM Raw Water Distribution</p> <p>LDTM Treated Water Distribution</p> <p>Private Pipe</p> <p>Distribution Main</p> <p>Comms Pipe</p> <p>Concessionary Service</p>	<p>PROPERTY TYPES</p> <p>Live Proposed</p> <p>Condition Report</p> <p>Pipe Bridges</p> <p>Tunnels (non carrier)</p> <p>Pumping Station</p> <p>Water Treatment Works</p> <p>Private Treatment Works</p>	<p>NODES/FURNITURES</p> <p>Live Proposed</p> <p>End Cap</p> <p>CC Valve</p> <p>AC Valve</p> <p>Air Valve</p> <p>Sluice Valve</p> <p>Non Return Valve</p> <p>Pressure Management Valve</p> <p>Change of Characteristic</p> <p>Anode</p> <p>Chlorination Point</p> <p>De Chlorination Point</p> <p>Bore Hole</p> <p>Inlet Point</p> <p>Bulk Supply Point</p> <p>Fire Hydrant</p> <p>Hydrant</p>	<p>Legend</p> <table border="1"> <thead> <tr> <th>MATERIAL TYPES</th> <th>LINING TYPES</th> </tr> </thead> <tbody> <tr> <td>AC</td><td>ABBINGTON CEMENT</td> <td>CL</td><td>CEMENT LINING</td> </tr> <tr> <td>CI</td><td>CAST IRON</td> <td>TS</td><td>TAR OR BITUMEN</td> </tr> <tr> <td>CU</td><td>COPPER</td> <td>EP</td><td>EPOXY RESIN</td> </tr> <tr> <td>ED</td><td>CONCRETE</td> <td></td><td></td> </tr> <tr> <td>DI</td><td>DUCTILE IRON</td> <td></td><td></td> </tr> <tr> <td>GI</td><td>GALVANISED IRON</td> <td></td><td></td> </tr> <tr> <td>GR</td><td>GREY IRON</td> <td></td><td></td> </tr> <tr> <td>OT</td><td>OTHERS</td> <td></td><td></td> </tr> <tr> <td>PL</td><td>LEAD</td> <td></td><td></td> </tr> <tr> <td>PV</td><td>PVC</td> <td></td><td></td> </tr> <tr> <td>SI</td><td>SPUN IRON</td> <td></td><td></td> </tr> <tr> <td>ST</td><td>STEEL</td> <td></td><td></td> </tr> <tr> <td>UN</td><td>UNKNOWN</td> <td></td><td></td> </tr> <tr> <td>PE</td><td>POLYETHYLENE</td> <td></td><td></td> </tr> </tbody> </table>	MATERIAL TYPES	LINING TYPES	AC	ABBINGTON CEMENT	CL	CEMENT LINING	CI	CAST IRON	TS	TAR OR BITUMEN	CU	COPPER	EP	EPOXY RESIN	ED	CONCRETE			DI	DUCTILE IRON			GI	GALVANISED IRON			GR	GREY IRON			OT	OTHERS			PL	LEAD			PV	PVC			SI	SPUN IRON			ST	STEEL			UN	UNKNOWN			PE	POLYETHYLENE		
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Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy.

It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.

DIAL BEFORE YOU DIG

FOR PROFESSIONAL ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS

ADVANCE NOTICE REQUIRED
(Office hours: Monday-Friday 08.00 to 17.00)

Tel: 0800 9173993

E-mail: dbyd@openreach.co.uk

Website: www.dialbeforeyoudig.com

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KEY TO BT SYMBOLS

	UNDERGROUND PLANT		POLE
	OVERHEAD PLANT		CABINET
	JOINT BOX		BURIED JOINT
	DISTRIBUTION POINT		JOINTING POST
	MANHOLE		PROPOSED U/G
	DP BOUNDARY		PROPOSED O/H
	OTHER BT BOUNDARY		PROPOSED BOX

Other proposed plant is shown using dashed lines. BT symbols not listed above may be disregarded. Existing BT plant may not be recorded. Information valid at the time of preparation.

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BT Global Business

BT Ref : SFE10281D

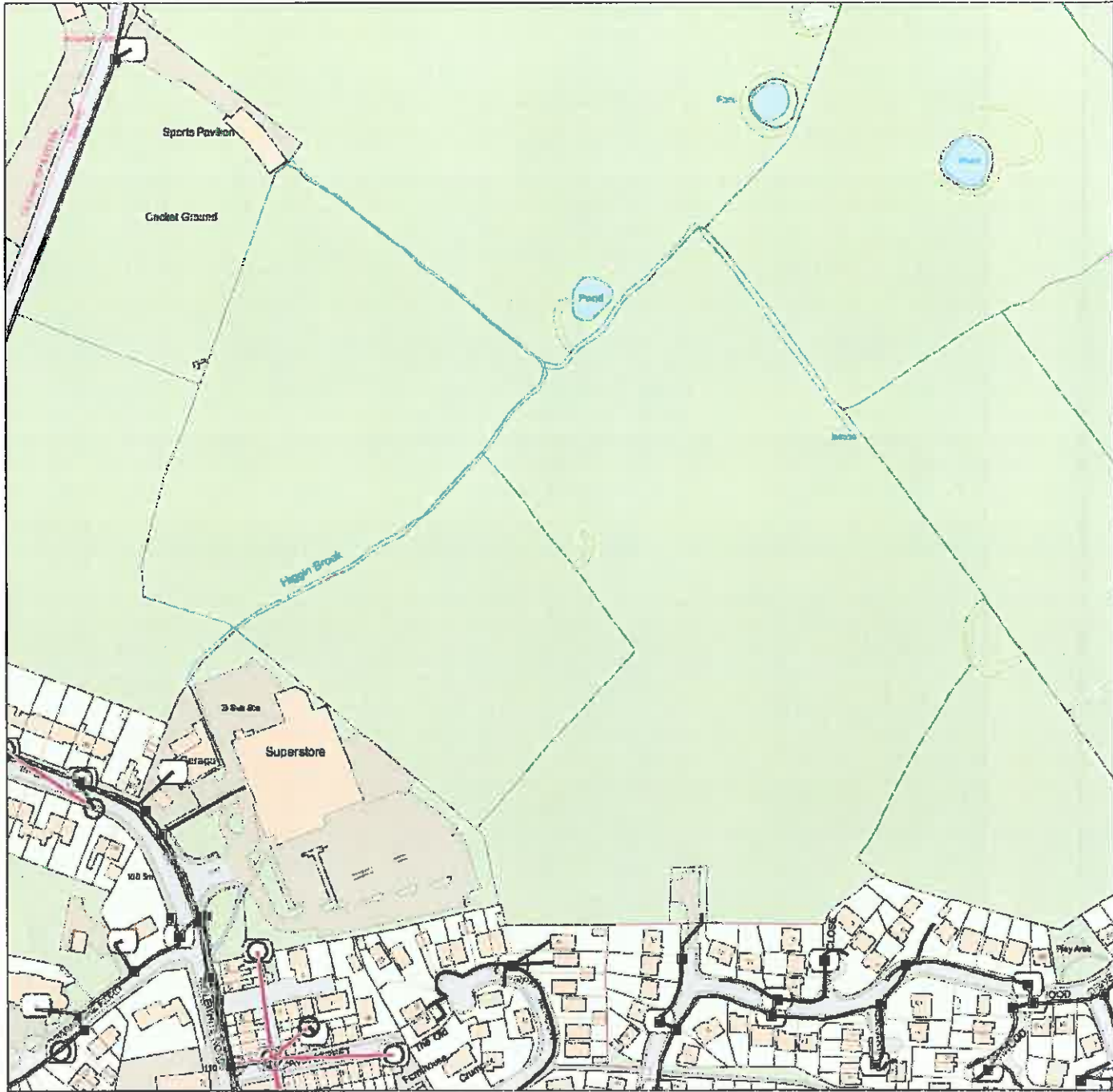
Map Reference : (centre) SD6058538084

Easting/Northing : (centre) 360585,438084

Issued : 09/11/2015 10:29:12

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	DP BOUNDARY		PROPOSED O/H
	OTHER BT BOUNDARY		PROPOSED BOX

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BT Group Business



BT Ref : WEU102831

Map Reference : (centre) SD6029637980

Easting/Northing : (centre) 360296,43798

Issued : 09/11/2015 10:28:47

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KEY TO BT SYMBOLS

	UNDERGROUND PLANT		POLE
	OVERHEAD PLANT		CABINET
	JOINT BOX		BURIED JOINT
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	DP BOUNDARY		PROPOSED O/H
	OTHER BT BOUNDARY		PROPOSED BOX

Other proposed plant is shown using dashed lines. BT symbols not listed above may be disregarded. Existing BT plant may not be recorded. Information valid at the time of preparation.

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BT Group business

BT Ref : WRN10294F

Map Reference : (centre) SD6018638227

Easting/Northing : (centre) 360186,438227

Issued : 09/11/2015 10:29:32

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Bowland Meadows, Land East of Chipping Lane, Longridge

Phase 1 Detailed Desk Top Study

Curtin's Ref: EB1355/GL/3692

Revision: A

Issue Date: 14 April 2014

Client Name: Barratt Homes

Client Address: 4 Brindley Road, City Park, Manchester, M16 9HQ

Site Address: Bowland Meadow, Land East of Chipping Lane, Longridge

Curtins
10 Oxford Court, Bishopsgate,
Manchester, M2 3WQ
Tel: 0161 236 2394
www.curtins.com

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Client: Barratt Homes
Project: Residential Development
Report Type: Geo-Environmental Site Appraisal, Phase 1 – Detailed Desk Top Study
Report Reference: EB1355/GL/3692
Revision: A
Report Status: Issue 01
Date: 14 April 2014

Report Author(s)	Signature	Date
G Lownsbrough BSc (Hons)		14 April 2014

Checked	Signature	Date
A Ward MGeoscience		14 April 2014

Authorised	Signature	Date
P D Winterburn BSc (Hons) CEng MICE MStructE MCIWEM C.WEM Technical Director		14 April 2014

For and on behalf of **Curtins**

Planning Guidance: Confirmation Statement
Does the site described herein involve any of the following:
a. Land which is known to be contaminated? No
b. Land where contamination is suspected for all or part of the site? Yes
c. A proposed use that would be particularly vulnerable to the presence of contamination? Yes

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Appendices

Appendix A1 – Site Location Plan

Appendix A2 – Envirocheck Report

Appendix A3 – Diagrammatic Conceptual Model

Appendix A4 – Qualitative Risk Assessment Rationale

1.0 Introduction

In April 2014 Curtins were instructed by Barratt Homes to undertake a Phase 1 Geo-Environmental Detailed Desk Top Study, of a site located on Bowland Meadow, Land East of Chipping Lane, Longridge.

The site is centred on national grid reference 360130, 438020 with an area of 7.22ha. A location plan can be found in Appendix A1.

It is understood that proposals are for new residential development. The site is currently occupied open fields and farmland.

Scope of Phase 1 Investigation – Detailed Desk Top Study

The desk top study is to be undertaken, principally, to provide an overview of the geo-environmental setting of the site of interest with a brief assessment of any risks that could be presented to site users and the wider environment.

Additionally the desk top study should provide information that could be used to ascertain the extent of any in-situ geo-environmental investigation required to confirm the site conceptual model developed in the desk top study. The desk top study provides an initial view in respect of the status of the site with regard to:

- The potential impact on the site of interest from surrounding land uses and other environmental factors.
- Potential contamination of the site strata by historical and or current use.
- The potential impact on the wider environment by historical and or current use of the site of interest.
- Potential problems associated with geological features such as faulting, mineral extraction, mining and land instability.
- The location of apparent sub-surface structures that may affect the proposed redevelopment.
- The location of above-surface features that may affect the proposed redevelopment.

2.0 Phase 1 – Detailed Desk Top Study

In accordance with the scope identified in Section 1.1, this desk top study has been undertaken using the following data sources and involves no intrusive investigations or testing.

- Envirocheck Report.
- British Geological Society 1:50,000 map.
- British Geological Society website.
- Environment Agency website.
- Local Authority records.
- Radon Atlas for England and Wales.

2.1 Previous Site Use

Since the earliest historical map dated 1893 the site has been occupied by open fields and farmland. To the north and north east of the site boundary approximately 50-100m are a number of small ponds bounded by embankments. The historical maps illustrate no existing buildings or developments and have remained unchanged up until the most recent historical map dated 2013.

2.2 Surrounding Land Use

Since 1893 the surrounding area adjacent to the site is bound by Chipping Lane to the east and Higher Lane to the south. Pit street mill is illustrated to the south east of the site approximately 20m away and a cluster of residential housing and farm houses including Berry Farm and Crumpax Farm are located approximately 50-60m from the site. Additionally illustrated on the map is a drinking fountain/trough suspected to be associated with the surrounding farms. Adjacent south west of the site are several buildings labelled Alston Arms and west of the site boundary approximately 50m is an iron and brass foundry.

During 1895 the surrounding area illustrates the development of a number of works, mills and factories, including a gas works and a foundry circa 50m south west of the site. South Longridge is continuing to be developed. Another significant development to the area was a railway line running approximately 500m from site, and several mills and a quarry to the east.

From 1913 onwards steady urban expansion continued, and by 1932 this had slowed. A brook is now shown running adjacent to the western boundary.

From 1961 to 1967 the surrounding area expanded significantly, with the closest developments occurring approximately 10-30m from the site (Frey Stocks) and a garage south east of the site.

By 1970 the railway running adjacent to the mills and factories towards the south east was dismantled

The pattern of redevelopment to the surrounding area continues, however not within close proximity of the site.

The site remains predominantly unchanged up to the most recent historical map dated 2013.

2.3 Mapping Data Recorded in the Envirocheck Report

The Envirocheck report contains historical ordnance survey maps (Lancashire and Furness) as identified below.

- 1:2,500 scale maps provided for the survey publication of 1893, 1912, 1932, 1967, 1975, 1975-1992, 1978-1987, 1981-1982, 1992, 1994, 1995, 1996,
- 1:10,000 scale maps for the survey publication of 1956, 1968, 1970, 1976, 1994, 2001, 2006 and 2013.
- 1:10,560 scale maps for the survey publication of 1847, 1895, 1913-1914 and 1932,

A summary of the map records is provided on the following pages; a copy of all maps obtained can be referred to in Appendix A2.

Date	Scale	Description
1:2,500 and 1:2,500 Scale Mapping		
1893	1:2,500	<p>The site is occupied by open fields with occasional woodland. The far north eastern corner illustrates a small pond surrounded by sparse woodland.</p> <p>The sites surrounding area adjacent bounding the site is Chipping Lane to the east and Higher Lane to the south. Pit street mill is illustrated to the south east of the site approximately 20m and a cluster of residential housing and farm houses including Berry Farm and Crumpax Farm approximately 50-60m from the site, also illustrated is a drinking fountain/trough suspected to be associated with the surrounding farms. To the south west of the site approximately 50m is Iron and Brass Foundry. Adjacent south west of the site are a few buildings labelled Alston Arms. West of the site boundary approximately 50m in iron and brass foundry. Surrounding the site towards the east and north east are a number of small ponds between 50-100m from the site boundary.</p>
1912	1:2,500	The site and surrounding are remains the same as the previous historical map.
1932	1:2,500	<p>The site remains the same as the previous historical map with a small potential spring towards the south eastern boundary of the site.</p> <p>The surrounding area remains predominantly unchanged apart from Bobbin Works which is now illustrated. Higgin Brook runs adjacent to site on the western boundary.</p>

1961-1967	1:2,500	<p>The site remains undeveloped. Higgin Brook is now labelled on the eastern site if the site.</p> <p>The surrounding area illustrates significant residential housing developments south and south east adjacent to and approximately 50-100m from the site boundary. Further south (100m) of the residential buildings is a large building labelled Fell View. There is a large building illustrated and labelled as Ashley Dairy, which is likely to be associated with the surrounding farm land. To the south western corner of the site boundary approximately 10-30m are a few small buildings labelled as Frey Stocks. To the south east of the site adjacent is a number of small buildings labelled as a garage. To the north and north east of the site boundary approximately 50-100m are a number of small ponds bounded by embankments.</p>
1975	1:2,500	<p>South east tiles illustrated only.</p> <p>No significant changes to the site or surrounding area, apart from Ashley Dairy building appears to have been demolished and rebuilt and to the south approximately 50-100m from the site are a number of residential homes with associated gardens.</p>
1975-1992	1:2,500	<p>South and Western tiles illustrated only. No significant changes made to the site.</p> <p>Surrounding area remains predominantly the same apart from a newly established Longridge County Primary School.</p>
1978-1987	1:2,500	<p>Southern tiles illustrated only. No significant changes have been made.</p> <p>The surrounding area illustrates no significant changes, apart from residential developments 100m from the site boundary in the south east.</p>
1981-1992	1:2,500	<p>The site and surrounding area remains predominantly the same with no significant changes made.</p>
1992	1:2,500	<p>South east tiles not illustrated, no significant changes the site or surrounding area.</p>
1994	1:2,500	<p>The site remains the same as the previous historical map.</p> <p>The surrounding area remains unchanged from the previous historical map.</p>
1995	1:2,500	<p>South east tiles illustrated only. There are no significant changes made to the site or surrounding area.</p>
1996	1:1,250	<p>South east tiles illustrated only. There are no significant changes made to the site or surrounding area.</p>
1:10,560 & 1:10,000 Scale Mapping		
1847	1:10,560	<p>The site is open fields and occasional woodland.</p> <p>The surrounding are illustrates no infrastructure only occasional small ponds and farmland with woodland.</p>

1895	1:10,560	<p>The site remains the same as the previous historical map.</p> <p>The surrounding area illustrates a number of works, mills and factories approximately 100-150m south east including a gas works and a foundry approximately 50m south west of the site boundary. South east 250-500m illustrates the small town of Longridge being developed. There are a number of schools and churches. There is a police station south west, bobbin works and stone bridge mill adjacent to a railway line running south east approximately 500m from site. Towards the east approximately 500m is Victoria Mill and 700-800m is Lords Quarry.</p>
1913-1914	1:10,560	<p>The site remains the same as the previous historical map.</p> <p>The surrounding are towards the west of the site boundary approximately 100m is Poplar Foundry (Iron and Brass) and Belmont Foundry approximately 500m. Towards the southern edge of the site 100m is Pitt Street Mill. The surrounding area illustrates minor changes showing slight development of residential dwellings in the nearby town of Longridge. 500m South east illustrates two small reservoir adjacent to Victoria Cotton Mill.</p>
1932	1:10,560	<p>The site remains the same as the previous historical map.</p> <p>The surrounding area remains predominantly unchanged illustrating increasing density of Longridge town and residential dwelling towards the south of the site.</p>
1956	1:10,000	<p>The site and surrounding area remain predominantly unchanged.</p>
1968	1:10,000	<p>Western tiles illustrated only. No significant changes to the site or surrounding are.</p>
1970	1:10,000	<p>Eastern tiles illustrated only. No significant changes made to site.</p> <p>The surrounding area illustrates increase in residential buildings and Longridge town is now expanding. The railway running adjacent to the mills and factories towards the south east has now been dismantled.</p>
1976	1:10,000	<p>No tiles illustrated on map.</p>
1994	1:10,000	<p>The site remains the same as the previous historical map.</p> <p>The brass and iron foundries towards the west of the site boundary approximately 500m have now been demolished and there are now a number of farmhouses, cottages and a home for the aged. Towards the south west approximately 500m is a large pond with a number of small buildings bounding the southern side adjacent to Halfpenny Lane labelled as a substation.</p> <p>The gas works and mills to the south of the site approximately 500m appear to have been demolished. There are now a number of schools around the area and residential housing. However there are still a number of works surround the site approximately 800m south and 500m towards the east side of the site boundary.</p>

2001	1:10,000	The site remains the same as the previous historical map. The surrounding area illustrates little changes. Adjacent to the site on the eastern boundary is a large superstore. Adjacent to the north east corner of the site is a cricket ground and associated Pavilion building.
2006	1:10,000	The site and surrounding area remain predominantly unchanged from the previous historical map.
2013	1:10,000	The site and surrounding area remains the same as the previous historical map.

2.4 Geographical and Special Features

No geographical and/or special features are recorded that could potentially affect redevelopment.

2.5 Geology

A study of the Envirocheck records and British Geological Survey (BGS) 1:50,000 mapping records (Bedrock and Superficial Editions) for Garstang (Sheet 067) indicates the following geological succession underlying the site.

Rock Name	Rock Type	Geological Age
Till, Devensian	Diamicton	Devensian - Devensian
Bowland Shale Formation	Mudstone and Siltstone	Yeadonian - Yeadonian

There are three fault lines within 1000m of the site.

There are no BGS boreholes located within close proximity to the site.

The Envirocheck Report confirms that there is a low risk to no hazard from the following ground stability hazards on and around the site; running sands, shrinking or swelling clay, collapsible ground, landslides and ground dissolution, however, there is a high risk potential for compressible ground stability hazards.

Both the Radon Atlas for England and Wales, and the Envirocheck Report confirm that the site is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level, however no radon protective measures are deemed necessary in the construction of new dwellings or extensions.

2.5.1 Mining

There are five BGS Recorded Mineral Sites located within 1000m of the site of interest. The closest is located 403m North West.

The Envirocheck report confirms that the site is within an area which is highly unlikely to be affected by coal mining activity. The site lies outside a coal mining referral area, and as such, a Coal Authority report has not been obtained.

2.6 Hydrogeology and Hydrology

The 1:100,000 Sheet 10 Central Lancashire Vulnerability Map indicates that the site, corresponding with the underlying superficial deposits are comprised of Devensian till which is an unproductive Strata and the northern corner of the site is underlain by a Secondary A Aquifer. The underlying solid geology comprises of Mudstones and Siltstones acting as a Secondary A Aquifer.

Unproductive strata are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

Secondary A Aquifer - 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.

Soils present on the site are of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment.

The site is not situated within a Source Protection Zone (SPZ).

The nearest surface water feature is a tertiary river (Higgin Brook) located on the south side of the site boundary.

There is one surface water abstractions within 1000m of the site located 445m south east which is a field drain located in Lyndhurst, Longridge.

There are no potable water abstractions within 1000m of the site.

There are two groundwater abstractions within 1000m of the site, the nearest is located at Mill Farm borehole located 889m north west of the site.

There are no Pollution incidents, Discharge Consents, Local Authority Pollution Prevention and Controls permits arising from the site.

The site lies in Flood Zone 1 and is therefore at no risk from flooding.

2.7 Landfill

The Envirocheck report confirms that there are no BGS Recorded Landfill within 1000m of the site boundary.

There are no historical landfill recorded within 1000m of the site.

There are two recorded Registered Landfill site within 1000m of the site. The nearest is located 843m north west, the licence holder was William Pye Ltd at Lords Quarry, Longridge, the site is still in operation.

2.8 Public Utility Records

Public utility information has been obtained as a part of this report.

2.9 Preliminary Unexploded Ordnance (UXO) Risk Assessment

The site of interest is located in Longridge, Preston, Lancashire.

Risk mapping for UXOs has placed the site within a Low risk area.

Low-risk regions are those with a bombing density of up to 10 bombs per 1000 acres.

These areas are considered to have a significant but low UXB risk. In general, further action to mitigate the risk is considered prudent, although not essential. Care is required when assessing the risk for specific sites where the risk may be higher because of local wartime activity. Historical maps for the site and surrounding area do not show any evidence of bomb damage post WWII. There are no primary Luftwaffe target within 1000m of the site.

The site has been redeveloped since the end of WW2, increasing the likelihood of detecting any UXO items that may be present on-site.

In light of these findings and in accordance with CIRIA's publication on managing UXO risks, it is recommended that no further action is warranted to address the level of UXO risk at the Site.

2.10 Other Significant Features Potentially Affecting Re-Development

No other significant features are noted that could potentially affect re-development.

3.0 Conclusions

3.1 Conceptual Model

The following sub-sections present a non-exhaustive list of the possible sources, pathways and receptors that exist within the site conceptual model for the site.

Potential source-pathway-receptor linkages that may arise are discussed in the following section, the Qualitative Risk Assessment.

A Diagrammatic Conceptual Model is provided in Appendix A3.

3.1.1 Potential Sources

Potential Source (S1) Made-ground Soils On Site

Low Likelihood due to historical evidence of no developments on the site.

The nature and type of contamination may include, amongst others; ash and fill, hydrocarbons (e.g. fuel oils), heavy metals, herbicides / pesticides and asbestos.

Potential Source (S2) Made-ground Soils Off Site

Off-site soils have been exposed to patterns of development and demolition so there is potential for contamination to be present in made ground around the site. Taking into account the close proximity of the railway to the west of the site.

Potential contaminants could arise due to geological origin, construction activities, atmospheric deposition and land management. The nature and type of general contamination may include, amongst others; ash and fill, hydrocarbons (e.g. fuel oils), heavy metals and asbestos.

Potential Source (S3) Natural Soils both On and Off Site

Regionally elevated levels of metals may be present within the shallow soils, however the superficial and bedrock deposits beneath the site and within the immediate surrounding area are not considered to present significant sources of natural contamination.

Potential Source (S4) Ground Gas Generating Sources

May be present due to made ground deposits surrounding the site from historical developments and land use.

There are no records of organic rich drift deposits (e.g. peat) or coal measures.

Potential Source (S5): Geological Deposits with Potential to Contain Radon

Both the Radon Atlas for England and Wales, and the Envirocheck Report confirm that the site is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level, however no radon protective measures are deemed necessary in the construction of new dwellings or extensions.

Potential Source (S6): Unexploded Ordnance

Risk mapping for UXOs has placed the site within a Low risk area. The historical maps for the site and surrounding area show no bomb damage post WWII and there were no primary targets located within 1000m of the site.

It should be taken into consideration that the site and surrounding area has undergone several stages of redevelopment since this time, lowering the risk of UXO on site.

Potential Source (S7): Mining Workings

No mining works are considered to affect the site.

3.1.2 Potential Pathways

Potential Pathway (P1): Direct Contact Ingestion and Inhalation (dust and vapours)

May occur where the end user is exposed to; solid, dust or volatile components of made-ground soils on site.

Potential Pathway (P2): Vertical Migration

May occur within the made-ground deposits on-site both upwards, due to processes including; capillary action, burrowing animals inducing soil mixing, and downwards into the natural deposits due to processes including; infiltration and burrowing animals. Includes ground gas migration.

Soils of negligible leaching potential are found onsite.

Potential Pathway (P3): Horizontal Migration

May occur within the made-ground or natural deposits due to processes including; the influence of perched or natural groundwater flow patterns and natural or man-made high permeability zones, e.g. sand lenses or drainage runs or pores/voids within natural and made-ground soils for ground gases.

Potential Pathway (P4): Collapse

Unlikely on this site.

3.1.3 Potential Receptors

Potential Receptor (R1): End Users

Residents, visitors, site maintenance staff and the general public.

Potential Receptor (R2): Controlled Waters (Groundwater)
<p>Corresponding with the underlying solid geology, the site is underlain by a Secondary A Aquifer.</p> <p>The site is not situated within a Source Protection Zone (SPZ).</p> <p>There is one groundwater abstraction within 1000m of the site, which is Mill Farm borehole located 917m north east of the site.</p>

Potential Receptor (R3): Controlled Waters (Surface Waters)
<p>The nearest surface water feature is Higgin brook (Tertiary River) located on site towards the eastern boundary.</p> <p>There is one surface water abstractions within 1000m of the site located 446m south east which is a field drain located in Lyndhurst, Longridge.</p> <p>There are no potable water abstractions within 1000m of the site.</p>

Potential Receptor (R4): Construction Workers
<p>Whilst unlikely, during the development of the site, construction workers may come into contact with any contamination that is on site. However, wearing the correct personal protective equipment will reduce the risk.</p>

Potential Receptor (R5): Construction Materials
<p>Buried concrete and water supply pipes.</p>

Potential Receptor (R6): Local Ecology
<p>Protected species and local habitats; e.g. hedgerow, grassland and water.</p>

3.2 Qualitative Risk Assessment

The qualitative risk assessment details both the source-pathway-receptor linkages and associate level of risk that have been identified for the site.

The rationale for the qualitative risk assessment is described within Appendix A4 and a tabulated summary provided in Table A4.1.

The term 'risk' in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. Unless specifically noted it does not necessarily refer to an immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.

3.2.1 End User

Assessment of Risk to End Users from Made-Ground Soils On-Site	
Potential Source	S1: Made-ground soils on site
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, due to no historical evidence of development on the site.</i>
Potential Pathway	P1: Direct contact, ingestion and inhalation
<i>Details</i>	<i>Recreational grounds, landscaped areas and internal airspaces.</i>
Potential Receptor	R1: End users
<i>Consequence (Potential Severity)</i>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Residents, visitors, site management staff and general public).</i>
Risk	Moderate/Low
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils to confirm quality and composition.</i>

Assessment of Risk to End Users from Made-Ground Soils Off-Site	
Potential Source	S2: Made-ground soils off site
<i>Likelihood of Occurrence</i>	<i>Likely, due to historical evidence of development and demolition off-site, and given the age of the developments, it is possible that some asbestos may have been present on the site, but it should only remain if demolition activity was poorly managed.</i> <i>Potential contaminants could arise due to geological origin, construction activities, atmospheric deposition and land management. The nature and type of general contamination may include, amongst others; ash and fill, hydrocarbons (e.g. fuel oils), heavy metals and asbestos.</i>
Potential Pathway	P3 & P1: Horizontal migration then direct contact, ingestion and/or inhalation
<i>Details</i>	<i>Recreational grounds, landscaped areas and internal airspaces.</i>
Potential Receptor	R1: End users
<i>Consequence (Potential Severity)</i>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Residents, visitors, site management staff and general public).</i>
Risk	Moderate
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils to confirm quality.</i>

Assessment of Risk to End Users from Natural Soils On and Off Site	
Potential Source	S3: Natural soils on and off site
<i>Likelihood of Occurrence</i>	<i>Low likelihood, due to the nature of the site geology but accounting for contamination of natural soils by on-site and surrounding sources.</i>
Potential Pathway	P1 & P3: Direct contact, ingestion and inhalation and horizontal migration
<i>Details</i>	<i>Either horizontal migration from off site or on-site presence; private gardens, home-grown produce, landscaped areas and internal airspaces.</i>
Potential Receptor	R1: End users
<i>Consequence (Potential Severity)</i>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Residents, visitors, site management staff and general public).</i>
Risk	Moderate/Low
<i>Recommendation</i>	<i>Environmental sampling of site natural soils to confirm quality.</i>

Assessment of Risk to End Users from Ground Gas Generating Sources	
Potential Source	S4: Ground gas generation sources (e.g. landfills or made-ground)
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, however taking into account made ground deposits across the site from historical developments and land use. There are four BGS Recorded Landfill within 1000m of the site boundary. There are no historical landfill recorded within 1000m of the site. There are two recorded Registered Landfill site within 1000m of the site. There are no records of organic rich drift deposits (e.g. peat) or coal measures.</i>
Potential Pathway	P2 & P3: Vertical and horizontal migration
<i>Details</i>	<i>Direct gassing of on-site soils or migration along natural low permeability horizons within superficial or bedrock deposits.</i>
Potential Receptor	R1: End users
<i>Consequence (Potential Severity)</i>	<i>Severe due to human health effects (explosive, toxic and asphyxiate gases) for all receptors.</i>
Risk	High/Moderate
<i>Recommendation</i>	<i>Ground gas monitoring</i>

Assessment of Risk to End Users from Radon	
Potential Source	S5: Geological deposits with potential to generate radon
Likelihood of Occurrence	<p><i>Unlikely as both the Radon Atlas for England and Wales, and the Envirocheck Report confirm that the site is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level, however no radon protective measures are deemed necessary in the construction of new dwellings or extensions.</i></p> <p><i>No radon protective measures are necessary in the construction of new dwellings or extensions.</i></p>
Potential Pathway	P2 & P3: Vertical and horizontal migration
Details	<i>Direct gassing of on-site soils or migration along natural low permeability horizons within superficial or bedrock deposits.</i>
Potential Receptor	R1: End users
Consequence (Potential Severity)	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Residents, visitors, site management staff and general public).</i>
Risk	Low
Recommendation	<i>No action required</i>

Assessment of Risk to End Users from Unexploded Ordnance (UXO)	
Potential Source	S6: Unexploded Ordnance
Likelihood of Occurrence	<p><i>Unlikely as the historical maps for the sites show no primary targets within close proximity of the site and no ruins within close proximity of the site.</i></p> <p><i>The surrounding area shows no bomb damage post WWII, taking into consideration that the site and surrounding area has undergone several stages of redevelopment since this time, lowering the risk of UXO on site, as the likelihood of the bombs already being exploded would increase with this kind of activity.</i></p>
Potential Pathway	P1: Direct contact
Details	<i>All groundwork activities.</i>
Potential Receptor	R1: End Users
Consequence (Potential Severity)	<i>Severe due to human health effects (explosive) for receptor.</i>

Risk	Moderate / Low
Recommendation	<i>No Detailed UXO Report required for the site.</i>

3.2.2 Groundwater

Assessment of Risk to Groundwater from Made-Ground Soils On-Site	
Potential Source	S1: Made-ground soils on site
<i>Likelihood of Occurrence</i>	<i>Likely, due to historical evidence of development on both sites.</i>
Potential Pathway	P2: Vertical migration
<i>Details</i>	<i>Leaching or percolation of potential contaminants.</i>
Potential Receptor	R2: Controlled waters (Groundwater)
<i>Consequence (Potential Severity)</i>	<i>Medium as the site is underlain by a Secondary A Aquifer. There is one groundwater abstraction within 1000m of the site, which is Mill Farm borehole located 917m north east of the site. The site is not situated within a Source Protection Zone (SPZ).</i>
Risk	Moderate
Recommendation	<i>Environmental sampling of site shallow soils and groundwater to confirm quality.</i>

3.2.3 Surface Water

Assessment of Risk to Surface Water from Made-Ground Soils On-Site	
Potential Source	S1: Made-ground soils on site
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, due to historical evidence of no development on the site. The nearest surface water feature is Higgin brook (Tertiary River) located on site towards the eastern boundary. There is one surface water abstractions within 1000m of the site located 446m south east which is a field drain located in Lyndhurst, Longridge.</i>
Potential Pathway	P3: Horizontal migration
<i>Details</i>	<i>Leaching or percolation of potential contaminants.</i>
Potential Receptor	R3: Controlled waters (Surface Waters)
<i>Consequence (Potential Severity)</i>	<i>Medium due to anticipated sensitivity/grade of the closest surface water feature.</i>
Risk	Moderate

Recommendation	<i>Environmental sampling of site shallow soils to confirm quality.</i>
-----------------------	---

3.2.4 Construction Workers

<i>Assessment of Risk to Construction Workers from Made-Ground & Natural Soils-On and Off Site.</i>	
Potential Source	S1 & S2 & S3: Made-ground & natural soils on and off site
Likelihood of Occurrence	<p><i>Made Ground</i> <i>On-site: Low Likelihood as discussed previously.</i> <i>Off-site: Likely as discussed previously.</i></p> <p><i>Natural</i> <i>On-site: Unlikely as discussed previously.</i> <i>Off-site: Unlikely as discussed previously.</i></p>
Potential Pathway	P1: Direct contact, ingestion and inhalation
Details	<i>Groundwork and landscaping activities.</i>
Potential Receptor	R4: Construction workers
Consequence (Potential Severity)	<i>Minor due to correct use of personal protective equipment (PPE).</i>
Risk	Negligible
Recommendation	<i>Environmental sampling of site shallow soils and groundwater to confirm quality.</i>

<i>Assessment of Risk to Construction Workers from Unexploded Ordnance (UXO)</i>	
Potential Source	S6: Unexploded Ordnance
Likelihood of Occurrence	<i>Unlikely of being present on-site due to lack of primary targets within close proximity of the site and no ruins within close proximity of the site.</i>
Potential Pathway	P1: Direct contact
Details	<i>All groundwork activities.</i>
Potential Receptor	R4: End Users
Consequence (Potential Severity)	<i>Severe due to human health effects (explosive) for receptor.</i>
Risk	Moderate / Low
Recommendation	<i>No Detailed UXO Report required for this site.</i>

3.2.5 Construction Materials

Assessment of Risk to Construction Materials from Made-Ground Soils On-Site	
Potential Source	S1: Made-ground soils on site
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, due to no historical evidence of development the site.</i>
Potential Pathway	P1: Direct contact
<i>Details</i>	<i>Soil pore water chemistry inducing chemical degradation/fouling.</i>
Potential Receptor	R5: Construction materials
<i>Consequence (Potential Severity)</i>	<i>Mild due to reduced performance of construction materials and human health affects (water supply contamination).</i>
Risk	Low
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils to confirm quality.</i>

3.2.6 Local Ecology

Assessment of Risk to Local Ecology from Made-Ground Soils On-Site	
Potential Source	S1: Made-ground soils on site
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, due to the historic evidence of development on both sites, and industry within close proximity to the site boundary.</i>
Potential Pathway	P1 & P3: Direct contact, ingestion and inhalation & horizontal migration
<i>Details</i>	<i>Protected species within on-site and local habitats; e.g. woodland, hedgerow, grassland and water.</i>
Potential Receptor	R6: Local ecology
<i>Consequence (Potential Severity)</i>	<i>Minor (no known sensitive ecology on site).</i>
Risk	Negligible
<i>Recommendation</i>	<i>Advice of an ecologist obtained with respect to any requirements.</i>

3.2.7 Recommendations

The qualitative risk assessment determined an overall **Negligible to Moderate** level of risk from potential contaminants. The risk to the end user from ground gases is determined to be **High/Moderate**.

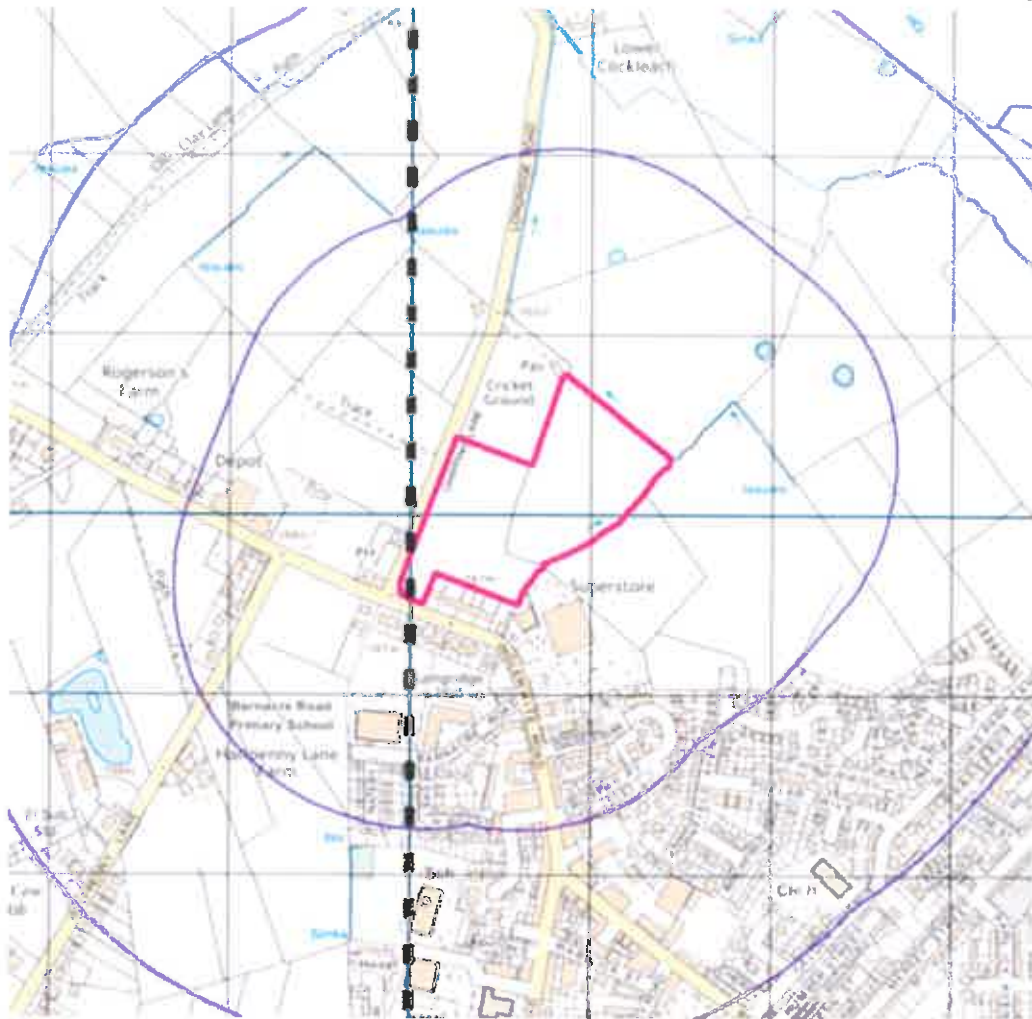
Consequently it is recommended that an intrusive investigation is undertaken to confirm the conceptual model or otherwise.

Environmental soil samples for chemical analysis should be obtained to determine if any contamination of the shallow soils and natural ground is present on site. Geotechnical samples should also be obtained in support of the design of foundations and roads.

In addition, the intrusive investigation will allow for the monitoring and sampling of groundwater / gas at the borehole locations.

Appendix A1 – Site Location Plan

Site Location Plan



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Key

Approximate site boundary

Project
Boland Meadow, Higgin Brook

Job Reference
EB1355

Author
GL

Drawing Title
Site Location Plan

Date
28.03.2014

Checked
AW



10 Oxford Court,
Bishopgate,
Manchester
M2 3WQ

Tel: 0161 236 2394

Appendix A2 – Envirocheck Report



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

55312619_1_1

Customer Reference:

EB1355

National Grid Reference:

360190, 438070

Slice:

A

Site Area (Ha):

7.22

Search Buffer (m):

1000

Site Details:

Site at 360130, 438020

Client Details:

Ms G Lownsbrough
Curtins Consulting Ltd
10 Oxford Court
Bishopsgate
Manchester
M2 3WQ



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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			6	10
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control	pg 5				1
Local Authority Pollution Prevention and Controls	pg 5			3	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5	Yes			
Pollution Incidents to Controlled Waters	pg 6	2	3	5	13
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 9			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 10				1
Water Abstractions	pg 10			1	2
Water Industry Act Referrals					
Groundwater Vulnerability					
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 11	Yes	Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 14		Yes		n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 15				2
Licensed Waste Management Facilities (Locations)	pg 15				1
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 15				4
Registered Waste Transfer Sites	pg 17				1
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 37			1	4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 38	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 38	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 39	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 39	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 39	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 40	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 40	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 40	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 41		6	20	26
Fuel Station Entries	pg 45		1	1	1
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 46		1		
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Fred Wareing Property Type: Domestic Property (Single) Location: Norwood Inglewhite Road, Longridge, Near Preston, Lancashire, Pr3 2db Authority: Environment Agency, North West Region Catchment Area: Loud Reference: 01488 Permit Version: 1 Effective Date: 3rd October 1956 Issued Date: 3rd October 1956 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Higgin Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	439	1	359577 438077
2	<p>Discharge Consents</p> <p>Operator: United Utilities Water Plc Property Type: Water Treatment Works Location: Dilworth Wtp Dilworth, Longridge, Preston, Lancashire Authority: Environment Agency, North West Region Catchment Area: Loud Reference: 017190879 Permit Version: 2 Effective Date: 15th May 2008 Issued Date: 15th May 2008 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge: Freshwater Stream/River Environment: Receiving Water: Higgin Brook, Trib River Loud Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	457	1	360830 438010
2	<p>Discharge Consents</p> <p>Operator: United Utilities Water Plc Property Type: Water Treatment Works Location: Dilworth Wtp Dilworth, Longridge, Preston, Lancashire Authority: Environment Agency, North West Region Catchment Area: Loud Reference: 017190879 Permit Version: 1 Effective Date: 15th August 2005 Issued Date: 15th August 2005 Revocation Date: 14th May 2008 Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge: Freshwater Stream/River Environment: Receiving Water: Higgin Brook, Trib River Loud Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	457	1	360830 438010
3	<p>Discharge Consents</p> <p>Operator: Frank & Marion Judith Holden Property Type: Domestic Property (Single) Location: Copperfield 46 Halfpenny Lane, Longridge, Preston, Lancashire, Pr3 2ea Authority: Environment Agency, North West Region Catchment Area: Brock Reference: 017290607 Permit Version: 1 Effective Date: 9th June 2005 Issued Date: 9th June 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Blundell Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	491	1	359670 437540