Consulting Engineers Ltd

'optimising development potential'

Proposed Residential Development for White Farming Limited
Land West of the Havant Crematorium
Bartons Road, Havant

Preliminary Services Appraisal

Project No. 17-055

December 2018

Consulting Engineers Ltd

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Proposed Residential Development for White Farming Limited
Land West of the Havant Crematorium
Bartons Road, Havant

Preliminary Services Appraisal

C&A Consulting Engineers
Landmark House
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Hook
Hampshire
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Project No. 17-055

June 2018

Consulting Engineers Ltd

DOCUMENT CONTROL SHEET

REV	ISSUE PURPOSE	AUTHOR	CHECKED	REVIEWED	APPROVED	DATE
	Draft for Client's Comments	SPS	TSH	SPS	GAC	December 2018

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1.0 INTRODUCTION

1.1 Charles & Associates Consulting Engineers (C&A) have been appointed by White Farming Limited to prepare a Preliminary Services Appraisal, to support for the proposed development of land west of the Havant Crematorium, Bartons Road Havant, within Havant Borough Council (HBC) and Hampshire County Council (HCC), hereafter referred to as 'the site'. The location is shown on **Figure 1**, within this report.

Purpose

1.2 The outline application seeks permission for the construction of up to 72 dwellings with open space provision and associated landscaping.

1.3 The intent of this report is to support a planning application on the site. It has been prepared to demonstrate that utility services are available sufficient for the proposed level of development intended on the site.

1.4 This report considers the extent of existing utility services on or adjacent to the site and their suitability for extension and/or reinforcement onto the site to serve the development.

Report Limitations

1.5 The findings, recommendations and conclusions of this report are based on information obtained from a variety of external sources which are understood to be reliable. C&A Consulting Engineers however cannot guarantee the authenticity or reliability of any data and/or records provided by third parties.

2.0 SITE LOCATION & DETAILS

2.1 The site is located to the northeast of Havant. The site is bounded to the west by Bartons Rise residential development, to the north west by mature woodland and to the north east and east by Havant Crematorium and its access road. The site location is illustrated in **Figure 1**. The entire existing site is open undeveloped land comprising of agricultural land. The entire site within the red line boundary covers approximately 6.3 hectares in area.

2.2 The proposed development is a residential scheme for the construction up to 72 dwellings together with associated amenity and open space provision, landscaping and vehicle access as shown on the Masterplan in **Appendix A.**

2.3 Preliminary enquiries have been sent to respective utility services companies and statutory authorities requesting details of existing plant on or adjacent to the site and potential impacts of the proposed development on such plant.

2.4 From these enquires we have produced a combined utility services plan which identifies these services for information purposes only, refer to **DWG-17-055-030**. Further investigation will be required with respect to accurate locations and depth to these services.

2.5 At this stage full details of the ability of existing services to supply the proposed redevelopment are not available as the proposals are still at the planning stage. That said Utility Service companies do require full development proposals and service loadings to be able to confirm individual service capacities.

3.0 GAS SUPPLY

3.1 Southern Gas Networks (SGN) is the main gas distributor for the local area. The records indicates SGN gas mains within the local area.

3.2 A 180mm diameter low pressure main exists within Bartons Road to the northern side of the carriageway. The records also show an existing medium pressure gas main in Southleigh Road located approximately 600m to the south of the site respectively. SGN gas main records are included in **Appendix B** of this report.

3.3 Given the presence of medium and low pressure gas mains, it is likely that the site can be accommodated with some upgrades to the local network, however this will be subject to confirmation by the gas provider.

3.4 Once the details of loading requirements are available formal application to the gas providers can be made for supplies to the development.

4.0 ELECTRICITY SUPPLY

4.1 The electricity supplier for the area is Scottish & Southern Energy Plc. (SSE). There are existing high and Low voltage mains adjacent to the site.

4.2 SSE records indicate 11KV High Voltage (HV) cables run within Bartons Road with substations located in close proximity at the Spire Hospital to the east, and Wyevale Garden Centre on Bartons Road to the west. The information provided by SSE is provided in **Appendix C**.

4.3 The presence of the HV cables, substations and LV networks all within close proximity of the development land suggests that SSE will be able to service the new development.

4.4 Once the details of loading is available, a local distribution network operator will be consulted to obtain a budget cost to bring services to the site.

5.0 WATER SUPPLY

5.1 The water supply company for the area is Portsmouth Water. Records provided by Portsmouth Water confirm that water mains currently exist along Bartons Road.

5.2 A 30 inch water main exists on Bartons Road to the northern side of the carriageway and a 6 inch water main exists to the southern side of the carriageway. Portsmouth Water records are included in **Appendix D** of this report**.**

5.3 Given the presence and size of the existing water mains in close proximity to the proposed development it is not envisaged that there will be significant capacity improvements required to the existing network. This will however be confirmed once the development details are known.

5.4 Should mains require reinforcement due to the creation of the development, these will be requisitioned or undertaken via payment of infrastructure charges under the 1991 Water Industry Act in cooperative working with the Water Authority.

5.5 Within the site, the small diameter mains to the development would follow the layout of the proposed roads, being predominantly laid in footway areas. Should the roads remain un-adopted by the highway authority then easements will need to be granted by the Developer to Portsmouth Water for these mains.

6.0 FOUL DRAINAGE

6.1 The sewage undertaker for the area is Southern Water Services Ltd (SW). Sewer records were acquired from Southern Water to determine the existing sewer network available to the existing site.

6.2 Southern Water records indicate a 150mm diameter foul sewer within the proposed site boundary. The 150mm diameter public foul sewer falls from east to west and connects to a manhole located adjacent to the western boundary of the site. Southern Water records are included in **Appendix E** of this report**.**

6.3 Under the new 'Sewerage Infrastructure Charge' mechanism of the Water Industry Act 1991, Southern Water Services Ltd has an obligation to improve off site sewers. The 'Sewerage Infrastructure Charge' mechanism will assess the existing baseline condition and will provide recommendations, on any upgrades which are required to the sewer network. This will ensure that the sewer networks continue to operate satisfactorily and that these is no increase in the risk of foul water flooding.

6.4 Based on the topographical survey information, existing ground levels are suitable to provide gravity sewers to adoptable standard. C & A Consulting have prepared a Foul Drainage strategy for the development which is shown indicatively on Drawing **17-055-029**.

6.5 This proposed network suggests a connection to the existing manhole located at the western boundary of the site with all the onsite foul sewer network offered for adoption under a standard Section 104 agreement.

6.6 The foul drainage system for the Proposed Development will be developed in consultation with the Southern Water. The gravity sewer network within the development will be offered to Southern Water Ltd

for adoption under the standard procedures set out in the Water Industry Act 1991.

6.7 Importantly this assessment confirms that the site can be drained in terms of foul drainage discharge.

7.0 TELECOMMUNICATIONS

7.1 The Telecommunication provider in the area is British Telecom. Their records indicate British Telecom cables running along Bartons Road. Refer to **Appendix F** for details.

7.2 Due to the proximity of their existing apparatus it is anticipated that BT will be able to provide services to the proposed site. As with the other utility providers budget costs can be obtained once the detailed design layout is available.

7.3 BT has a licensed obligation to provide telephony services to customers requiring a supply to the site boundary at no cost to the developer. It is usual for BT (or Openreach) to provide ducts free of charge and pay the developer to lay them within the development infrastructure.

8.0 MISCELLANEOUS & OTHER SERVICES REVIEWED

8.1 In addition to the above utility services providers a number of other Statutory Bodies were contacted to ascertain if their apparatus crossed the site. These include several utility companies. All of which have confirmed they are unaffected by the redevelopment. See **Appendix G** for details.

9.0 SUMMARY & CONCLUSIONS

9.1 Utility Services for all major supplies are located either on or close to the site and subject to appropriate capacity assessments, once full development details and loadings are known, should be available to serve the development.

9.2 Further investigation into cost and potential local upgrades should be undertaken at the detailed design stage.

9.3 In terms of the provision of utility services and foul drainage discharge related to the site there is no reason why the site should not be grant permission.

Figure 1

Site Location Plan



Site Boundary

Grid Ref: X-473270, Y-108045

Nearest postcode: PO9 5NB

Rev	Amendments	Drn	Chk	App	Date

Consulting Engineers Ltd

Issued by ☒
Landmark House
Station Road
Hook
Hampshire
RG27 9HA
01256 630420

☐
Park House, Park Farm
East Malling Trust Estate
Bradbourne Lane
Aylesford, Kent ME20 6SN
01732 448120

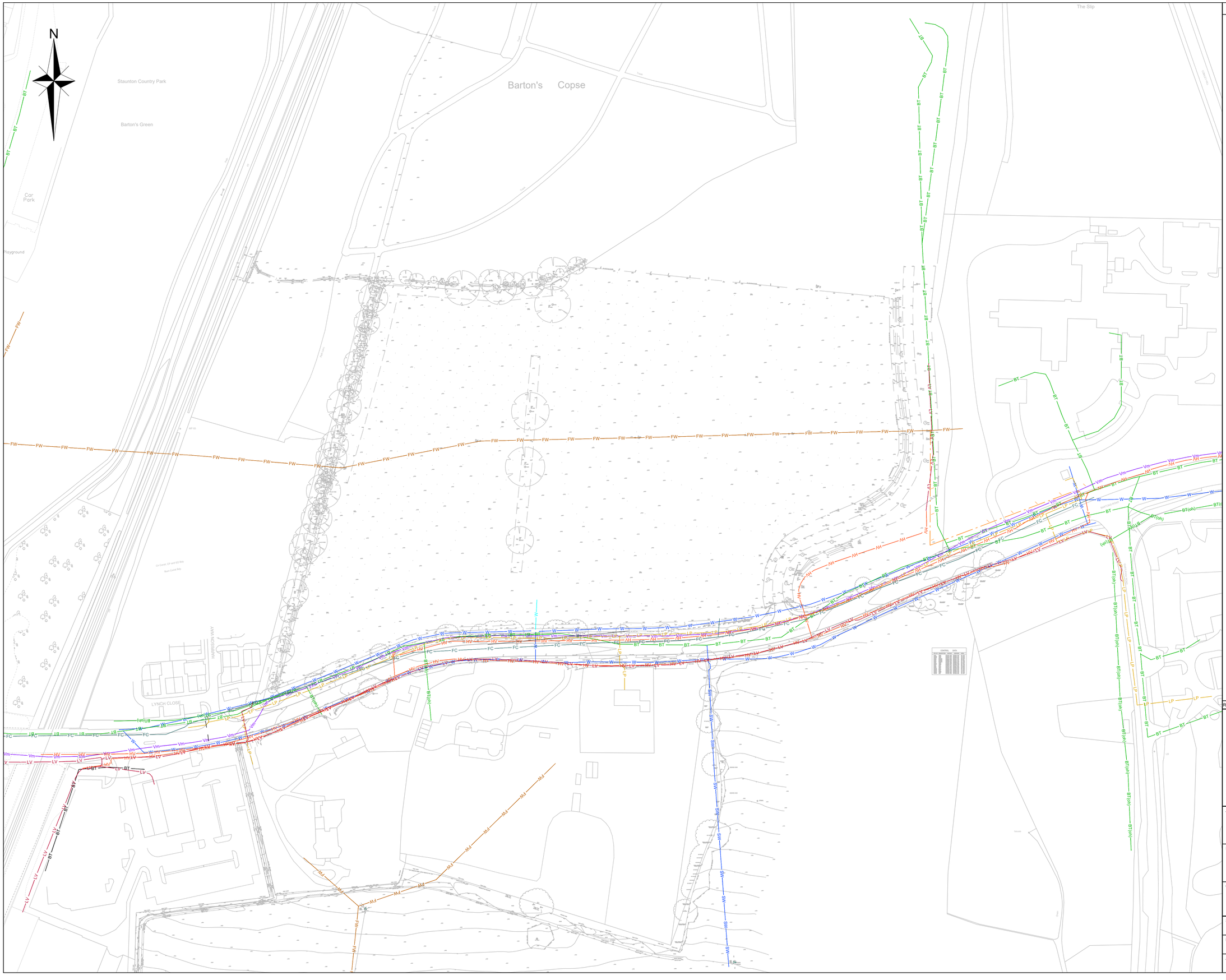
Job Title: Land west of the Havant crematorium Bartons Road, Havant	Client: White Farming Limited	Scale: NTS @A4	Date: Nov 2018	Designed: -
Drawing Title: Site Location		Drawn: DK	Checked: SS	Approved: GAC
		Job No: !7-055	Figure No: FIGURE 1	Rev: -

DRAWING NO: 17-055-001

DRAWINGS

Combined Services Drawing

Foul Drainage Strategy Plan



NOTES

1. This drawing provides an illustration of the location of the utilities through the site and is based on the information provided by the utility providers.
2. The information on this drawing should NOT be used to scale off or overlay onto others drawings as a definitive record of the utilities.
3. The original utility provider information should be used to determine the location for planning purposes.
4. Accurate information on definitive locations is only possible through hand digs, surveys and liaison with the utility providers.

Existing Services Legend

- BT(oh) — EXISTING BT OVERHEAD CABLE
- BT — EXISTING BT CABLE/DUCT
- FC — EXISTING UG VODAFONE CABLE
- – — EXISTING RISING MAIN
- LV — EXISTING LOW VOLTAGE ELECTRICITY - MAINS
- LP — EXISTING GAS MAIN LP
- HV — EXISTING HV ELECTRIC CABLE
- W — EXISTING WATER MAIN
- Vm — EXISTING VIRGIN MEDIA CABLE
- SW — EXISTING SURFACE WATER SEWER
- FW — EXISTING FOUL WATER SEWER

Rev	Amendments	Drn	Chk	App	Date

G&A Consulting Engineers Ltd

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Kent
ME20 6SN
01732 448120

enquiries@c-a.uk.com
www.c-a.uk.com

Job Title
Land west of the Havant crematorium
Bartons Road, Havant

Drawing Title
Combined Services Plan

Client
White Farming Limited

Scale	Date	Designed
1:1000 @A1	June 18	N/A
Drawn	Checked	Approved
DK	SPS	GAC
Job No	Drawing No	Rev
17-055	17-055-030	-

N

PROPOSED CONNECTION MANHOLE
Approx IL 29.62mAOD

MH 1101
CL 31.30
IL 29.62

MH2101

MH4101

CL 32.83
IL 31.61

CL 35.20
IL 31.70

CL 34.70
IL 31.95

CL 33.60
IL 32.25

CL 35.20
IL 33.32

CL 36.19
IL 33.54

CL 36.20
IL 33.58

CL 36.00
IL 34.65

CL 36.20
IL 34.85

CL 36.90
IL 35.55

CL 36.70
IL 33.85

CL 36.90
IL 34.06

CL 37.60
IL 36.15

CL 37.25
IL 34.21

CL 37.30
IL 35.80

CL 37.40
IL 36.10

CL 38.50
IL 37.10

CL 35.00
IL 34.55

Path (um)

track

BARTONS ROAD

NOTES

1. Do not scale from this drawing.
2. All dimensions are in meters unless stated otherwise.
3. The foul water strategy depicted on this drawing is preliminary only and indicates design intent.
4. Stated cover levels & invert levels are for hydraulic assessment and should not be relied upon.
5. Proposed foul discharges from the site will be connected to a existing manhole located on-site. Levels at the outfall location should be confirmed prior to commencement of the work on site.
6. Preliminary foul water strategy based on topographical survey provided by others. C&A Consulting cannot accept responsibility for any inaccuracies.

KEY

Proposed Foul Drainage Sewer/Manhole

Existing FW sewer

FMH 1101

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Hampshire
RG27 9HA
01256 630420

Park House
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Aylesford
Kent
ME20 6SN
01732 448120

enquiries@c-a.uk.com
www.c-a.uk.com

Job Title
Land west of the Havant crematorium
Bartons Road, Havant

Drawing Title
Indicative Foul Drainage Strategy

Client
White Farming Limited

Scale	Date	Designed
1:500 @A1	Nov 18	SPS
Drawn	**Checked**	**Approved**
DK	SPS	GAC
Job No	**Drawing No**	**Rev**
17-055	17-055-029	-

APPENDIX A

MASTERPLAN



Planning

STAINSBYARCHITECT

N

0 10 20 30m

Rev:	Amendment:	Date:

Master Plan
Camp Field, Havant

089 | PL | 04 | H

Scale 1:1000 @ A3 Oct 2018

Do not scale from this drawing.Contractors to confirm all dimensions before commencing work on site or shop drawings.**STAINSBY**ARCHITECT to be notified of any discrepancies.

Tab House, Tilford Road, Hindhead, Surrey. GU26 6RA T 01428 607808 M 07584 574626 www.stainsbyarchitect.com

APPENDIX B

SGN GAS UTILITY RECORDS

Our Ref: 12860730 Your Ref: LM 65279/AB

Thursday, 17 May 2018

Christina Elliott
500 Park Avenue Aztec West
Almondsbury
Bristol
BS32 4RZ

CHECKED

Dear Christina Elliott

Thank you for your enquiry dated Thursday, 17 May 2018

Please find an extract from our mains records for your proposed work area, any SGN assets are described in the map legend. **On some occasions blank maps may be sent to you, this is due to your proposed work being in a no gas area but within our operational boundaries.**

This mains record only shows the pipes owned by SGN in our role as a Licensed Gas Transporter (GT). Please note that privately owned gas pipes or pipes owned by other GTs may be present in this area and information regarding those pipes needs to be requested from the owners. If we know of any other pipes in the area we will note them on the plans as a shaded area and/or a series of x's.

The information shown on this plan is given without obligation or warranty and the accuracy cannot be guaranteed. Service pipes, valves, siphons, stub connections etc. are not shown but their presence should be anticipated. Your attention is drawn to the information and disclaimer on these plans. The information included on the plan is only valid for 28 days.

On the mains record you may see the low/medium/intermediate pressure gas main near your site. There should be no mechanical excavations taking place above or within 0.5m of a low/medium pressure system or above or within 3.0m of an intermediate pressure system. You should, where required confirm the position using hand dug trial holes.

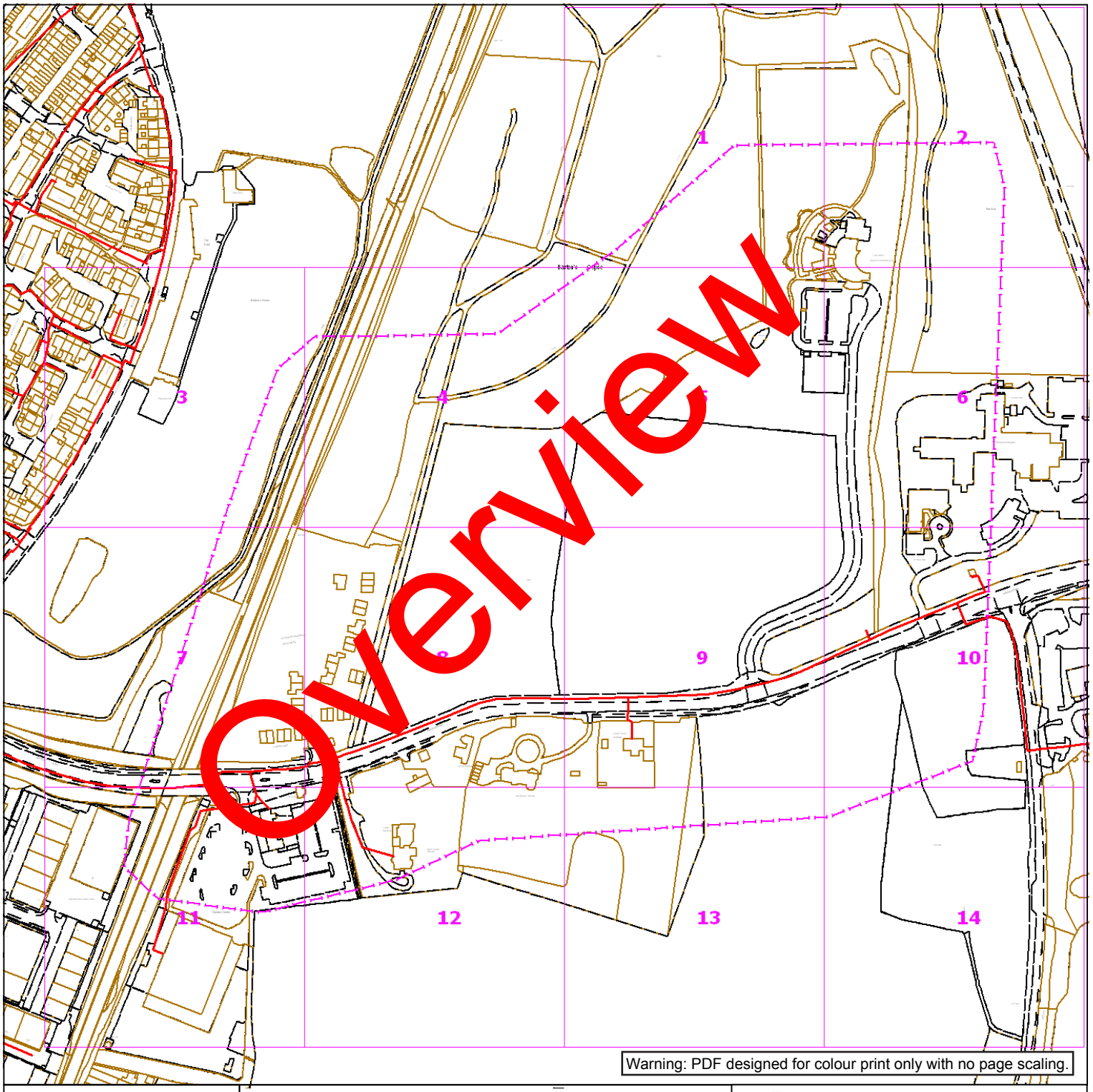
A colour copy of these plans and the gas safety advice booklet enclosed should be passed to the senior person on site in order to prevent damage to our plant and potential direct or consequential costs to your organisation.

Safe digging practices in accordance with HSE publication HSG47 "Avoiding Danger from Underground Services" must be used to verify and establish the actual position of the mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all relevant people (direct labour or contractors) working for you on or near gas pipes.

It must be stressed that both direct and consequential damage to gas plant can be dangerous for your employees and the general public and repairs to any such damage will incur a charge to you or the organisation carrying out work on your behalf. Your works should be carried out in such a manner that we are able to gain access to our apparatus throughout the duration of your operations.

If you require any further information please do not hesitate to contact us.

Yours sincerely,
The Safety Admin Team
For more information, visit our Dig Safely pages on sgn.co.uk
Tel: 0800 912 1722



Warning: PDF designed for colour print only with no page scaling.

SGN
Your gas. Our network.

Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
Some Examples Of Plant Items
Valve
Syphon
Depth of Cover
Digsite:
Line:
Area:
LAs
GTs
SSSIs
Diameter Change
Material Change

N
W
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S

This information is given as a guide only and its accuracy cannot be guaranteed.

Linesearch before Udig

Contact Us

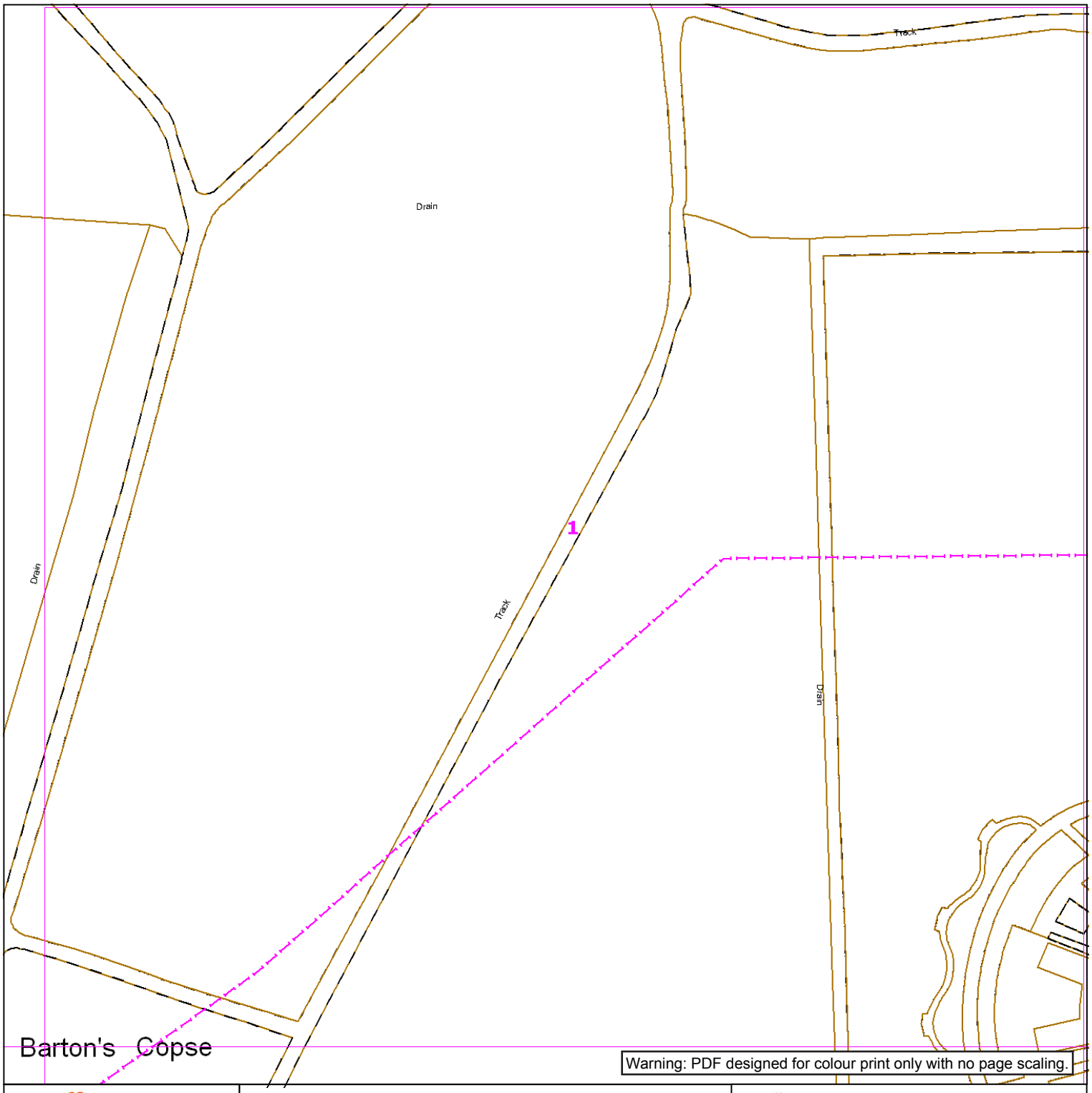
SGN Safety Admin Team:
0800 912 1722
Email:
plantlocation@sgn.co.uk

Date Requested: 17/05/2018
Job Reference: 12860730
Site Location: 473290 108133
Requested by:
Ms Christina Elliott
Your Scheme/Reference:
LM 65279/AB

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

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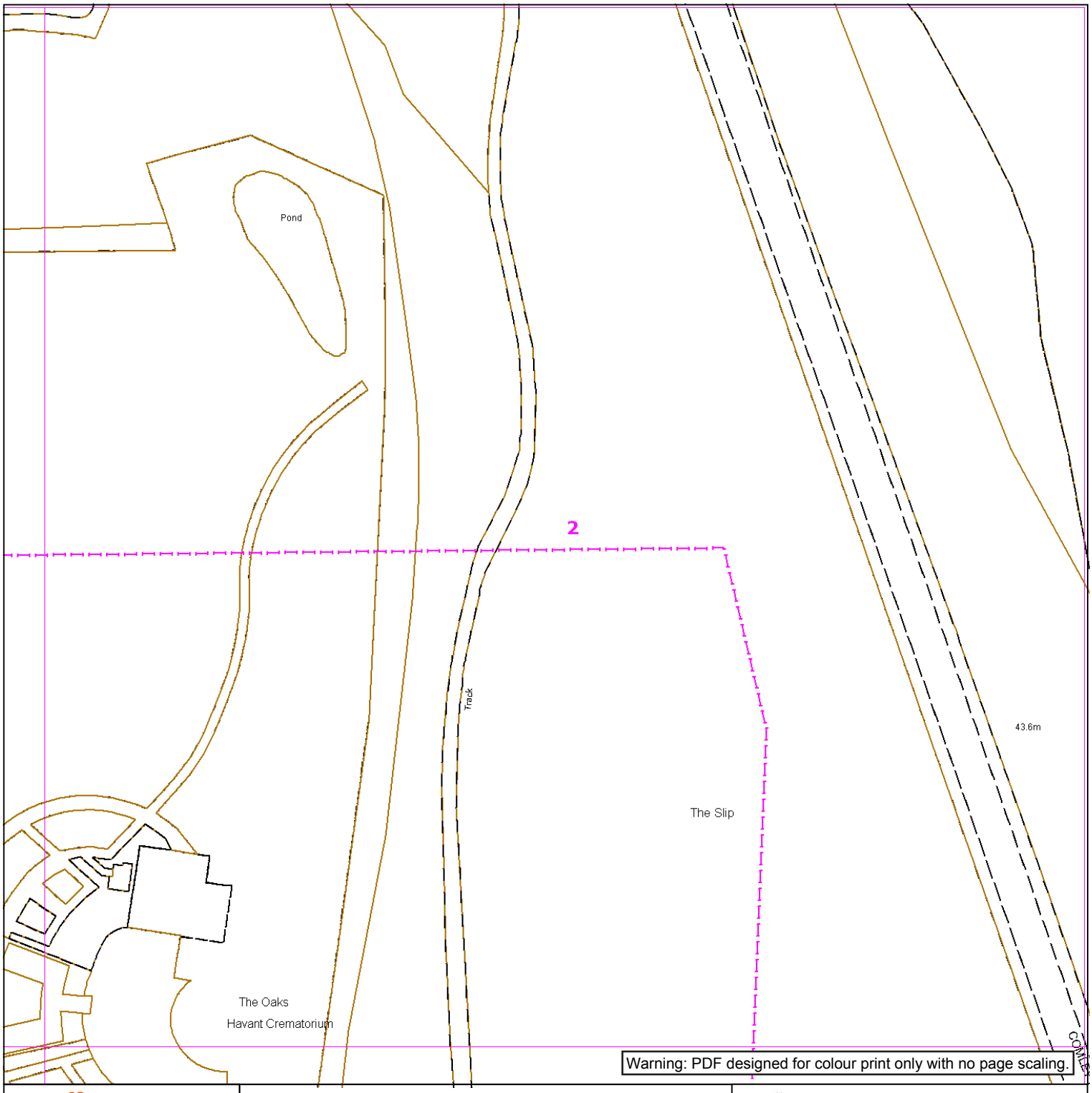
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Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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SGN Safety Admin Team:
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plantlocation@sgn.co.uk

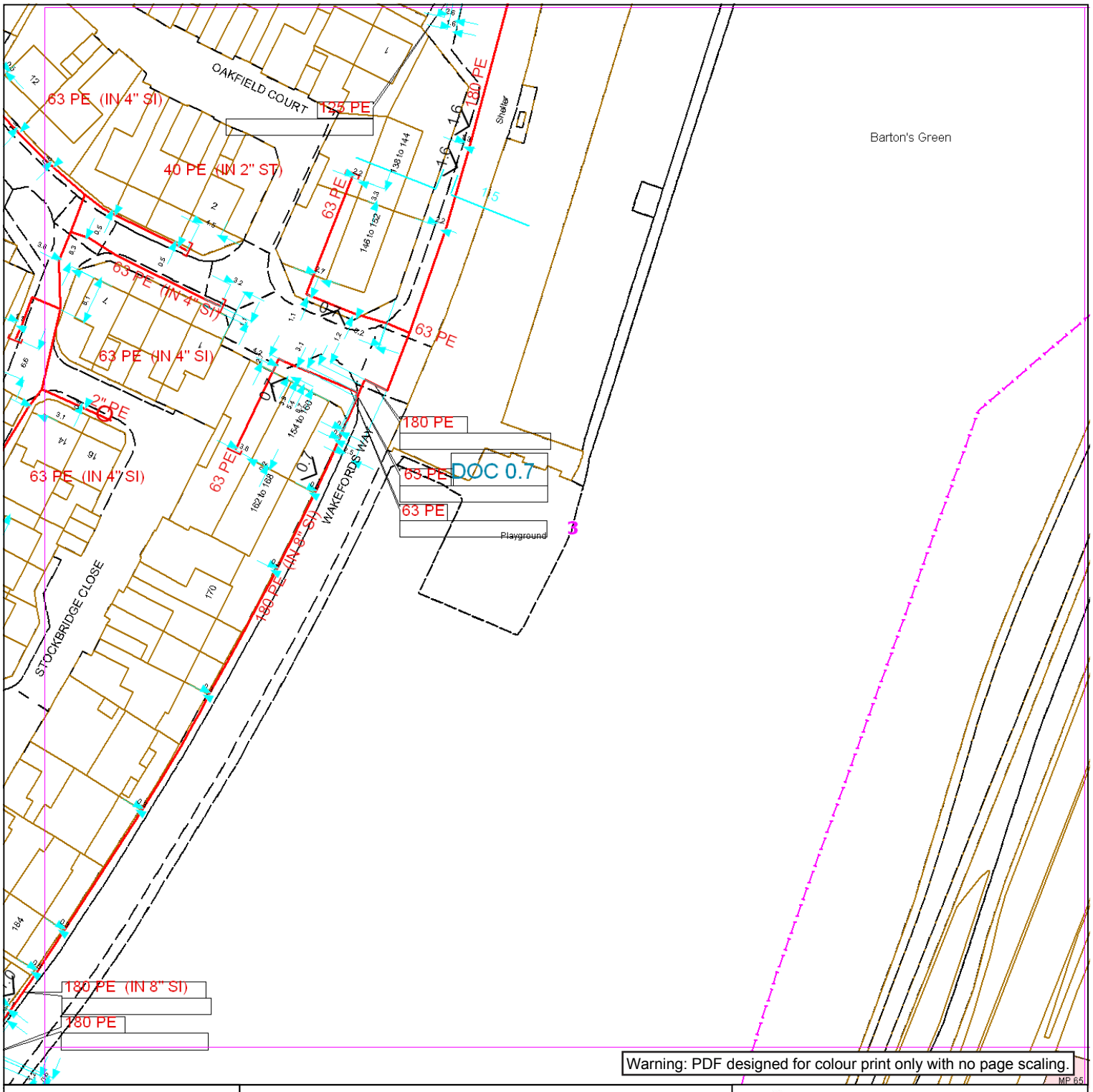
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plantlocation@sgn.co.uk

Low Pressure Mains
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Some Examples Of Plant Items
Valve | Syphon | Depth of Cover | Diameter Change | Material Change

Digsite:
Line: | Area:
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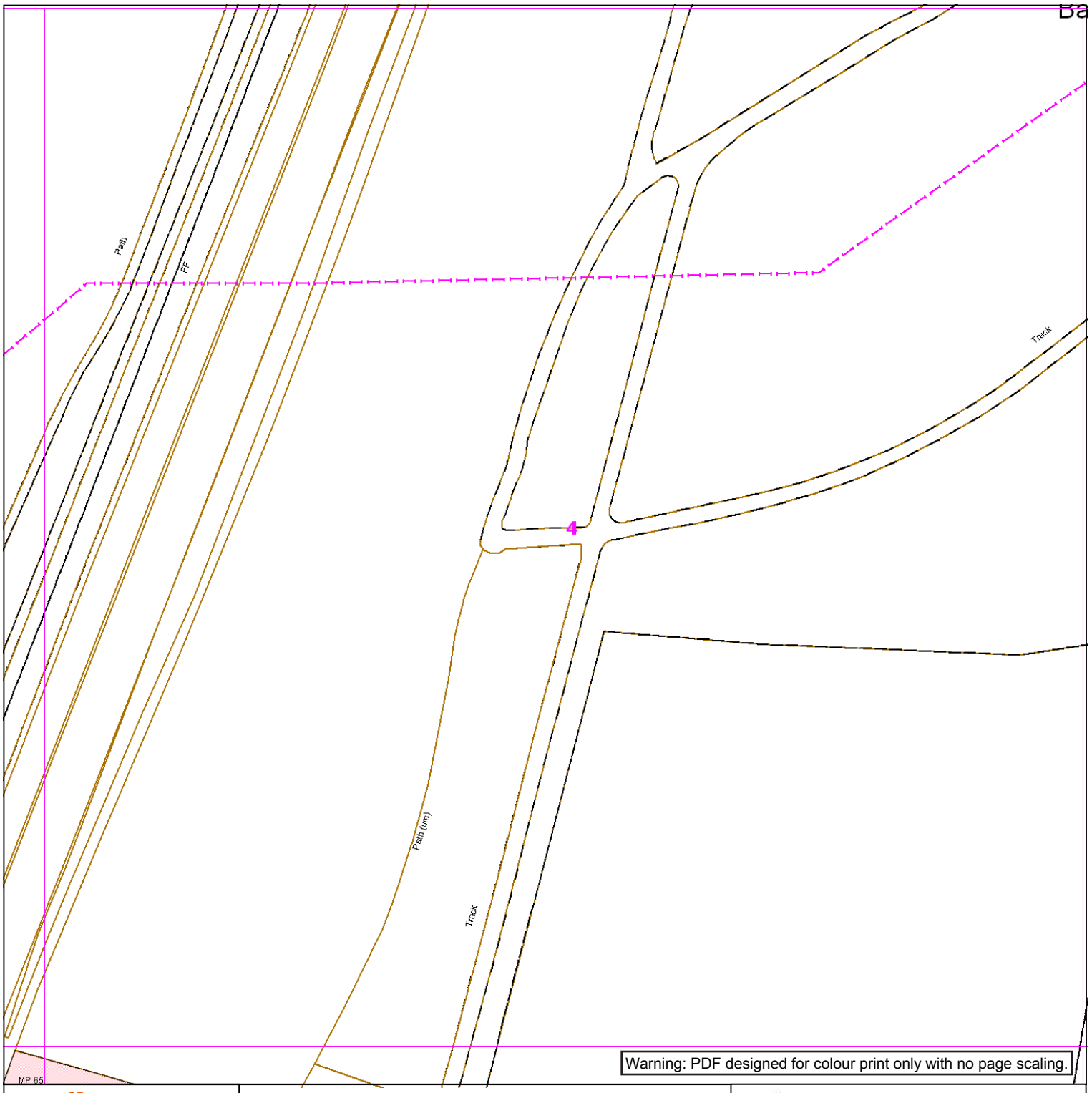
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W
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S

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Linesearch before Udig

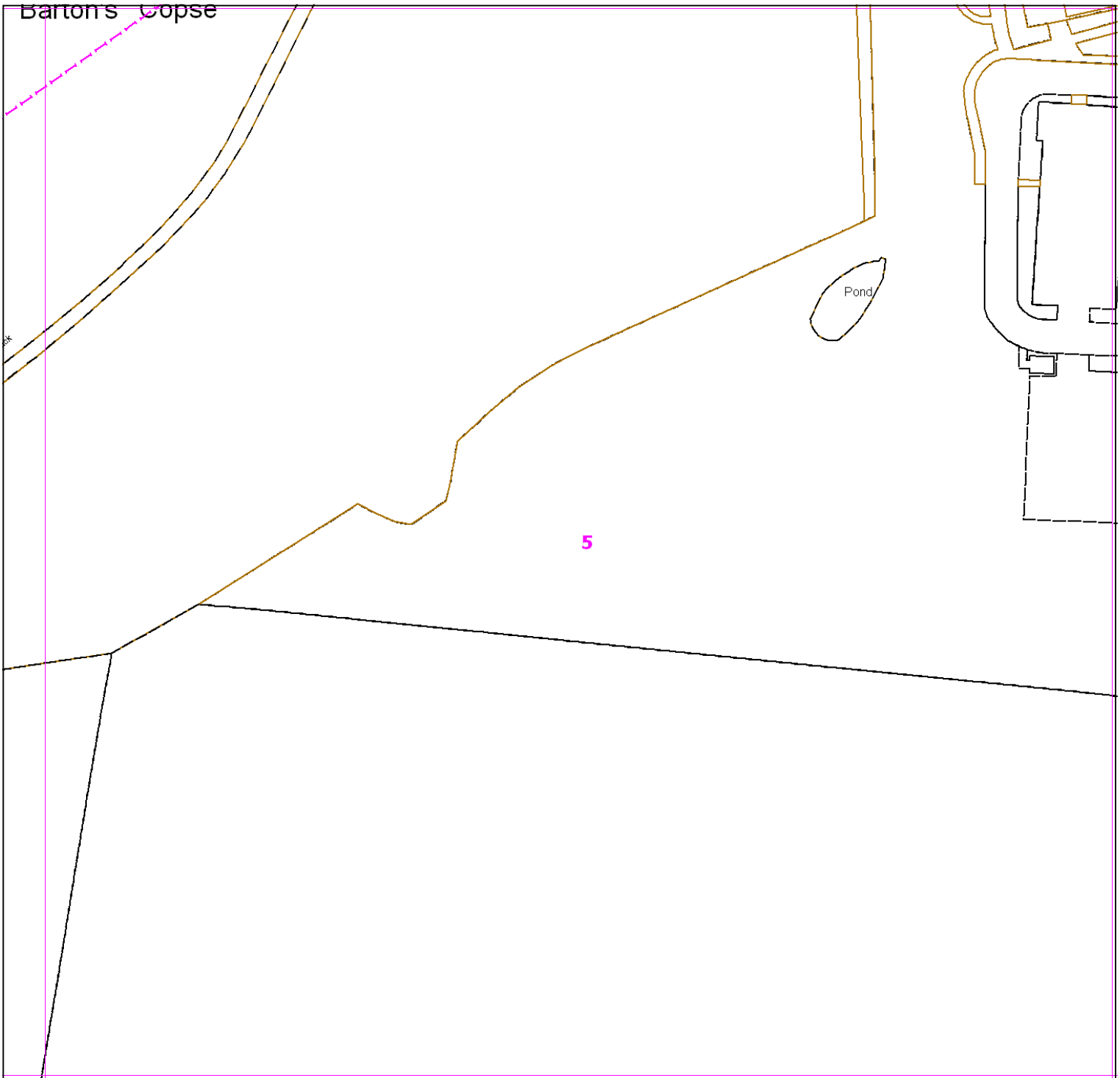
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Date Requested: 17/05/2018
Job Reference: 12860730
Site Location: 473290 108133
Requested by:
Ms Christina Elliott
Your Scheme/Reference:
LM 65279/AB

Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
Some Examples Of Plant Items
Valve
Syphon
Depth of Cover
Digsite:
Line:
Area:
LAs
GTs
SSSIs
Diameter Change
Material Change

N
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S

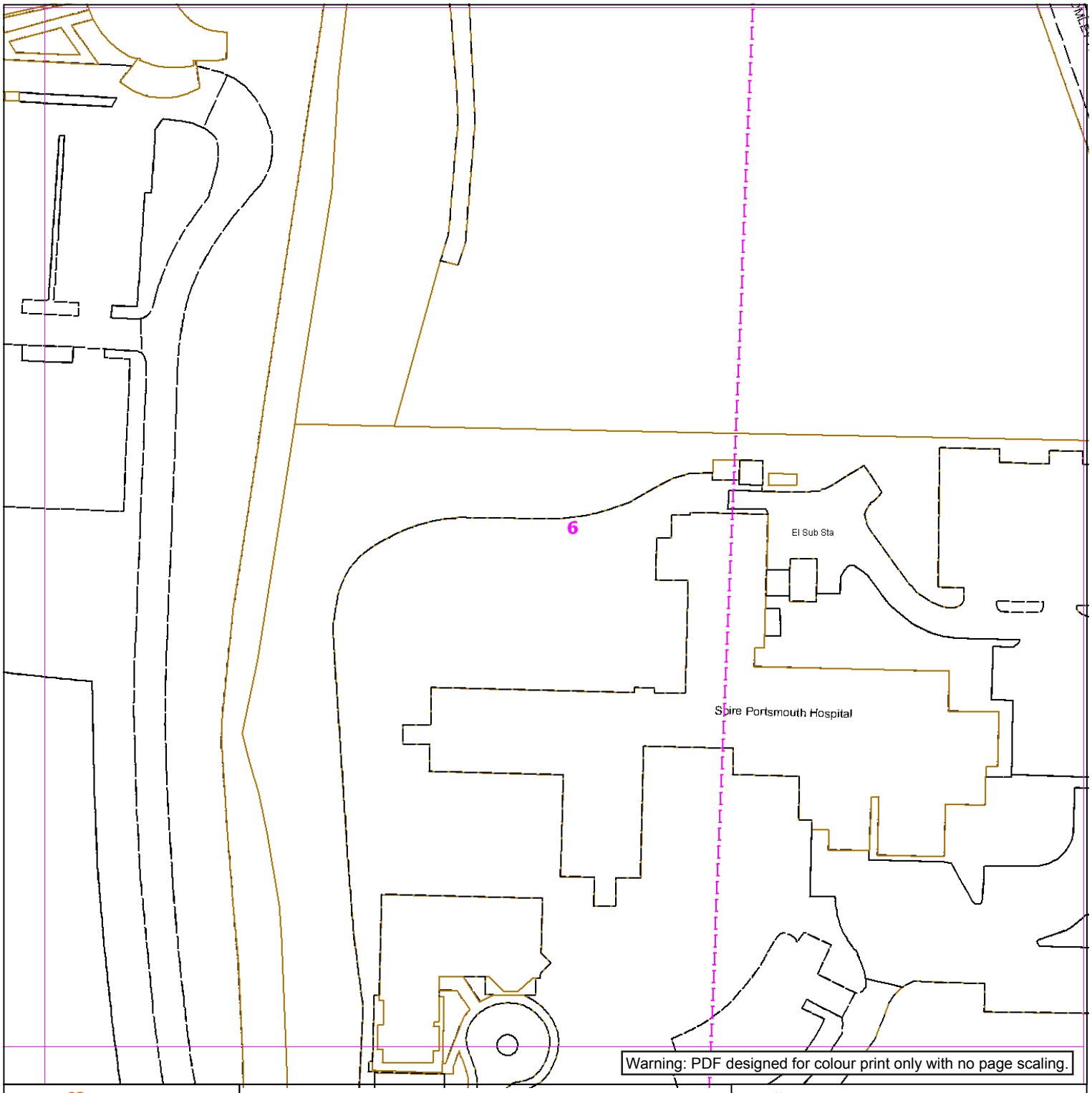
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Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
Some Examples Of Plant Items
Valve
Syphon
Depth of Cover
Digsite:
Line:
Area:
LAs
GTs
SSSIs
Diameter Change
Material Change

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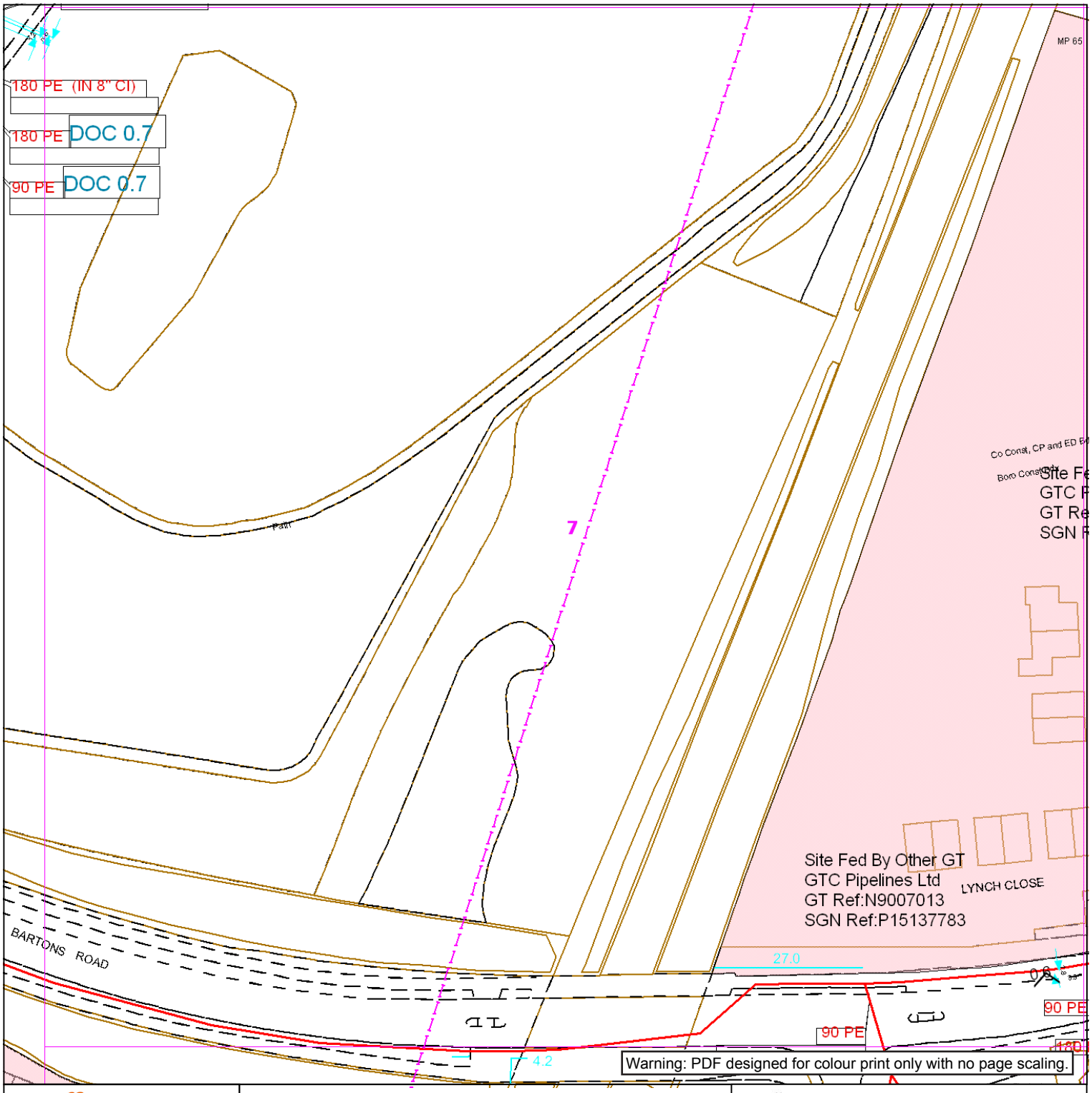
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Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
Some Examples Of Plant Items
Valve | Syphon | Depth of Cover | Diameter Change | Material Change

Digsite:
Line: | Area:
LAs
GTs | SSSIs

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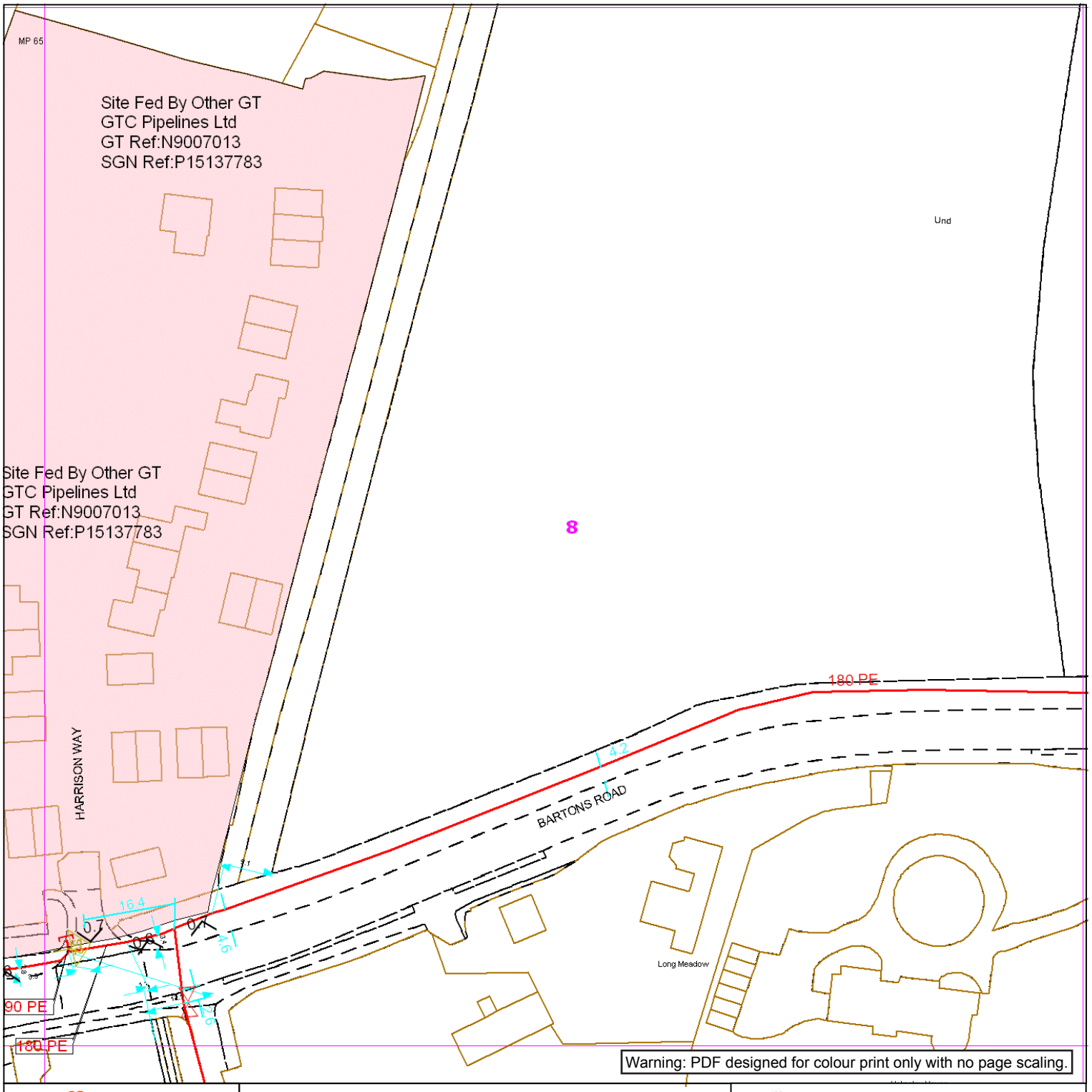
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High Pressure Mains
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Depth of Cover
Digsite:
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Area:
LAs
GTs
SSSIs
Diameter Change
Material Change

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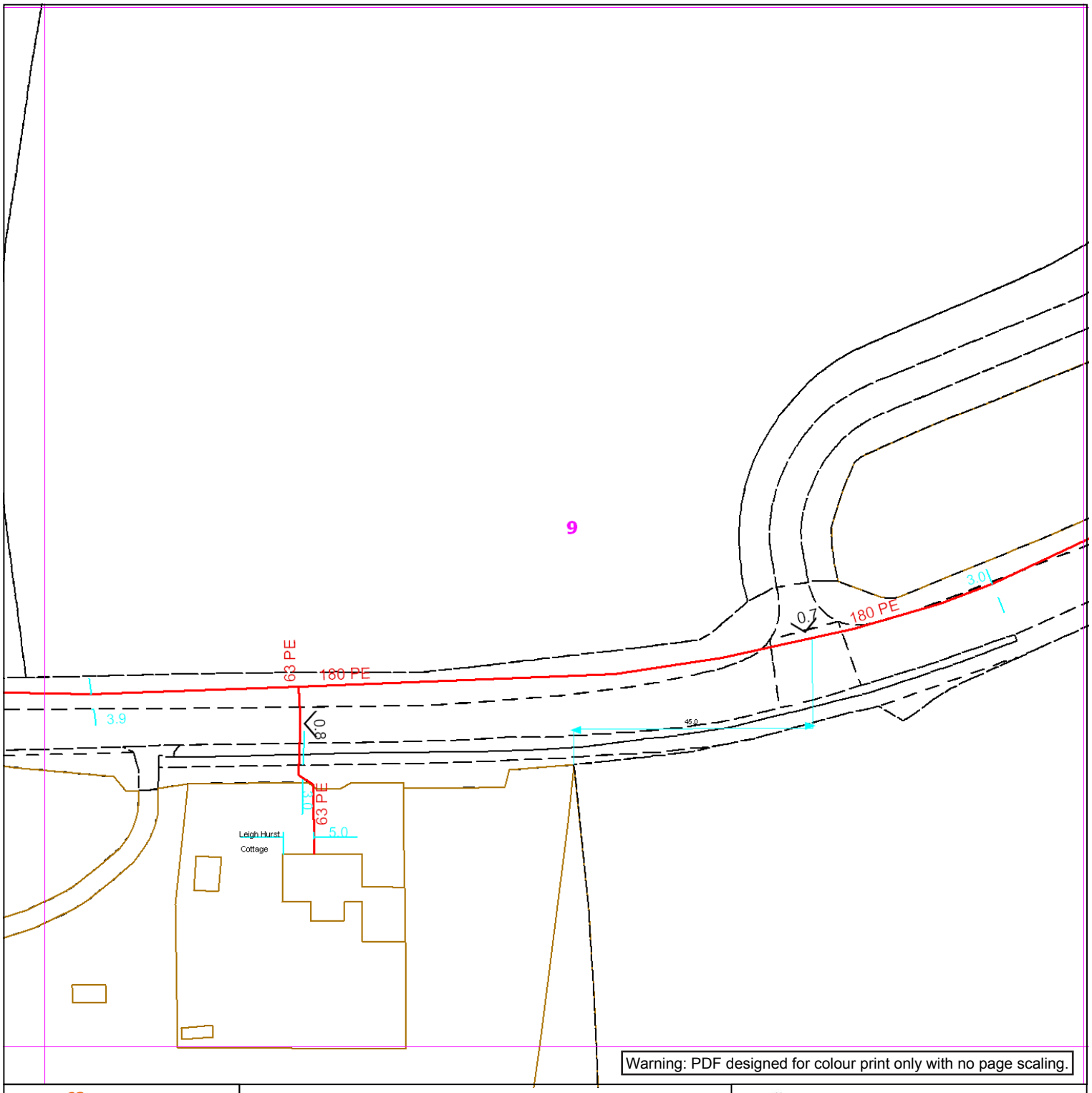
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Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
Some Examples Of Plant Items
Valve | Syphon | Depth of Cover | Diameter Change | Material Change

Digsite:
Line: | Area:
LAs
GTs | SSSIs

N W E S

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Linesearch before Udig

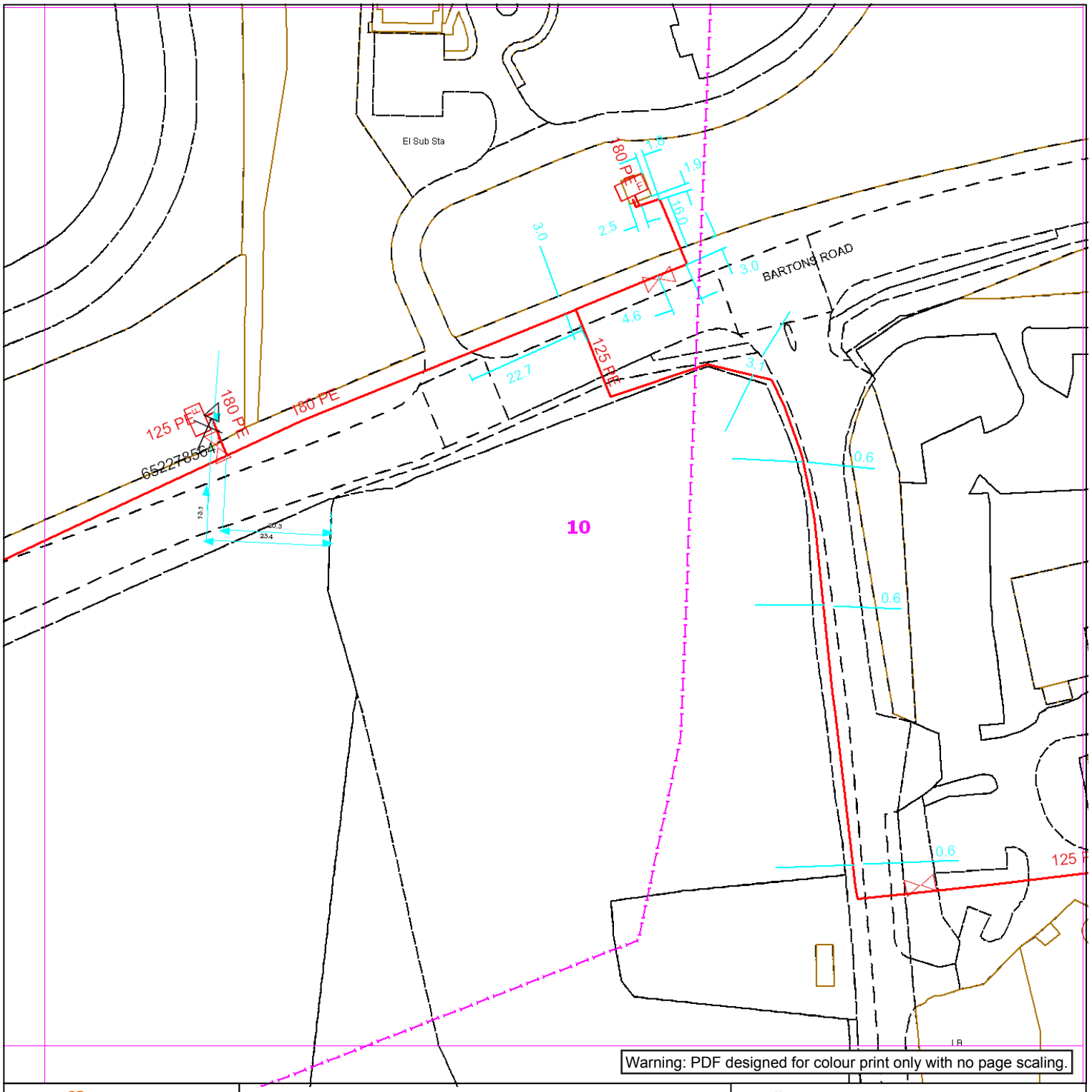
Date Requested: 17/05/2018
Job Reference: 12860730
Site Location: 473290 108133
Requested by:
Ms Christina Elliott
Your Scheme/Reference:
LM 65279/AB

Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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Some Examples Of Plant Items
Valve
Syphon
Depth of Cover
Digsite:
Line:
Area:
LAs
GTs
SSSIs
Diameter Change
Material Change

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S

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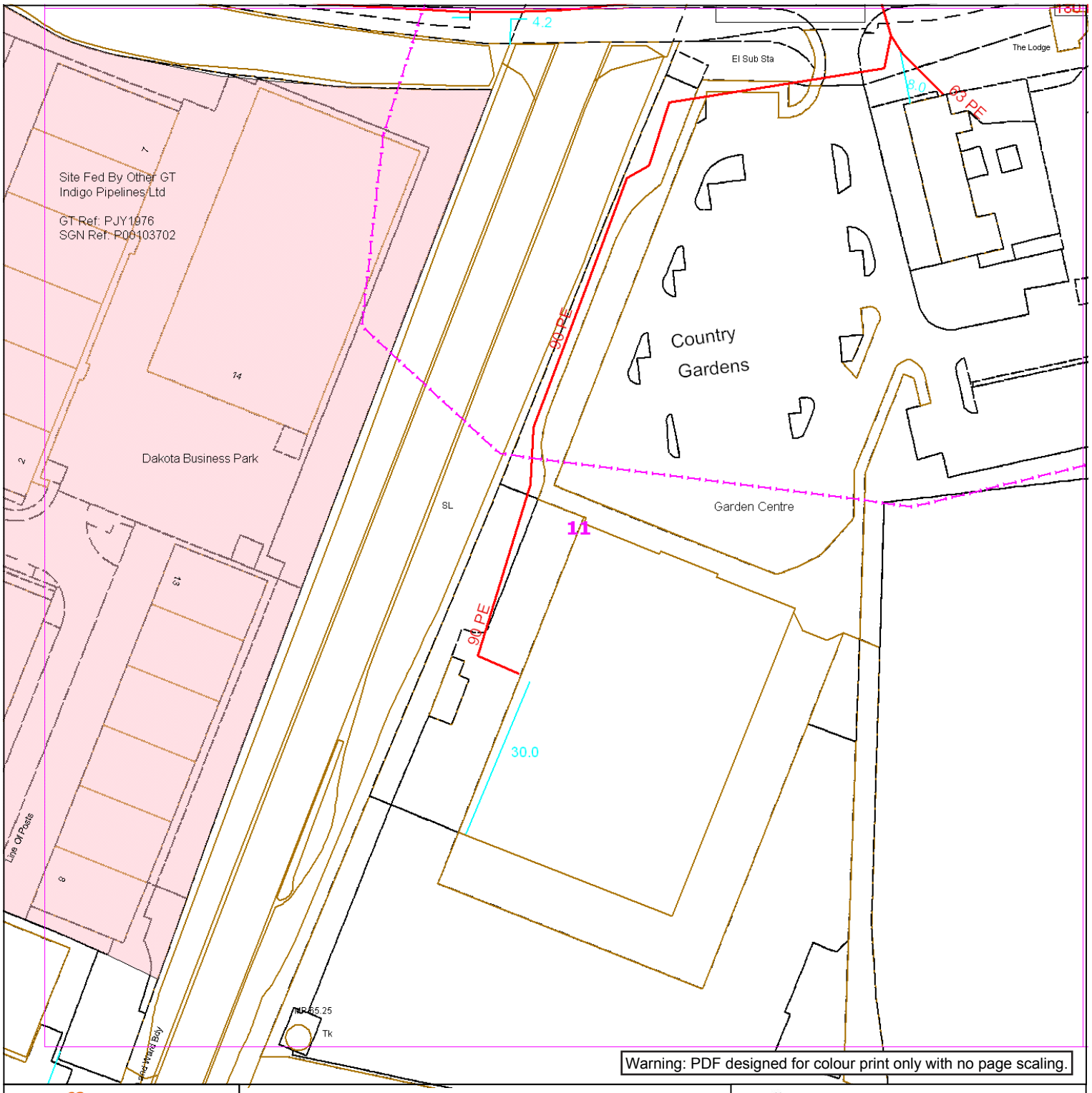
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Site Location: 473290 108133
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Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
Some Examples Of Plant Items
Valve Syphon Depth of Cover Diameter Change Material Change

Digsite:
Line: Area:
LAs
GTs SSSIs

N W E S

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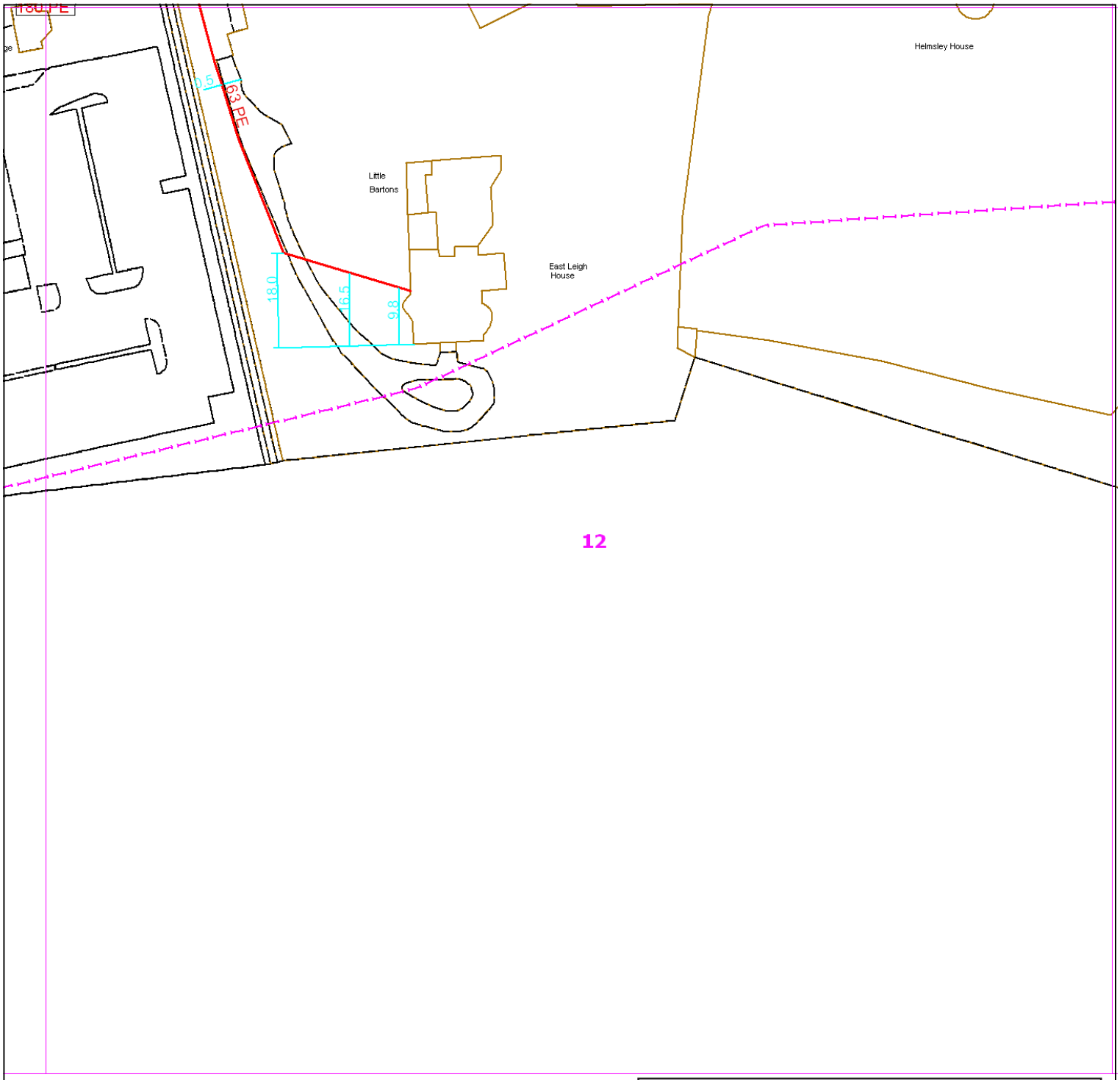
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Depth of Cover
Digsite:
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Area:
LAs
GTs
SSSIs
Diameter Change
Material Change

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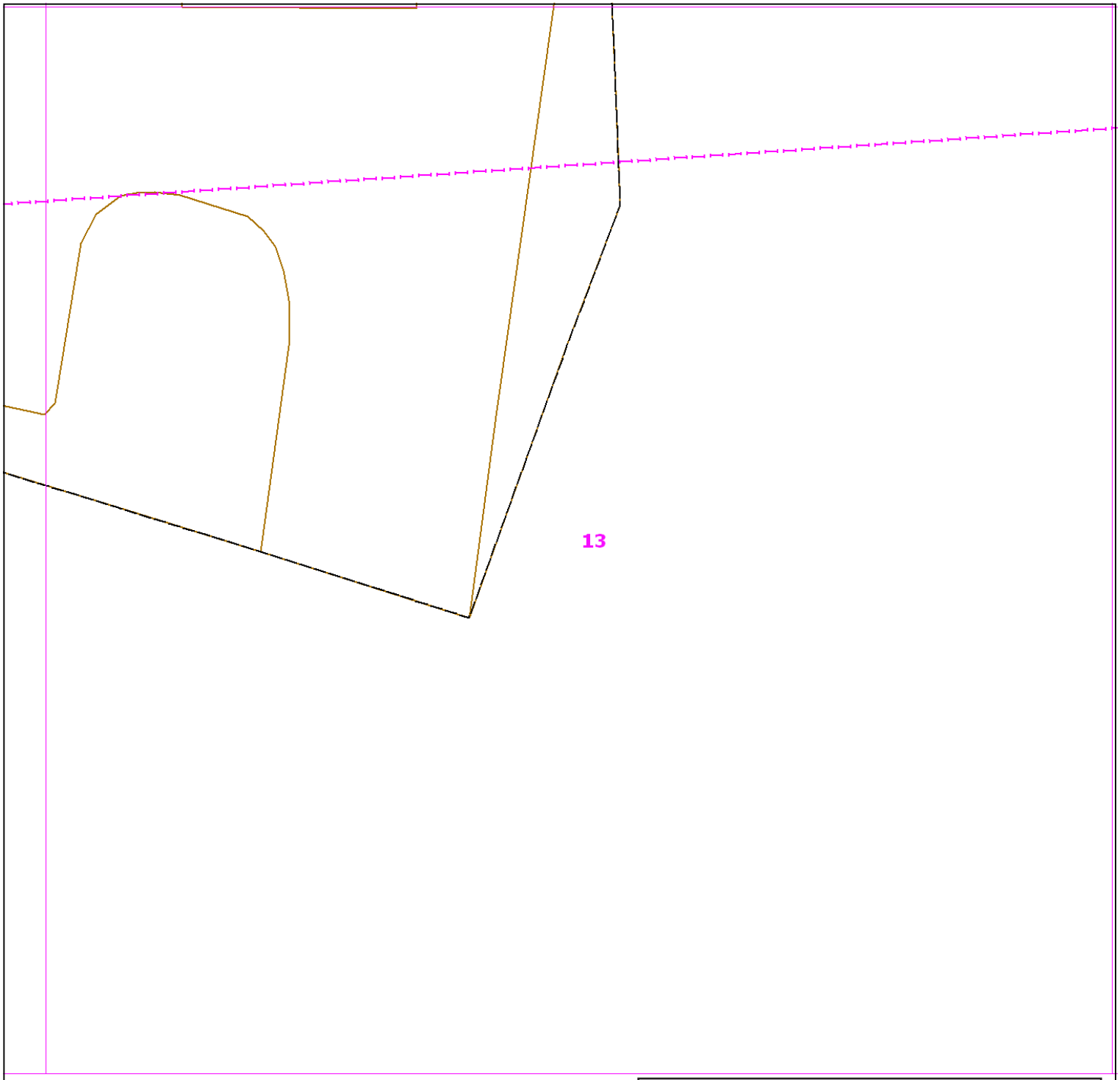
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SSSIs
Diameter Change
Material Change

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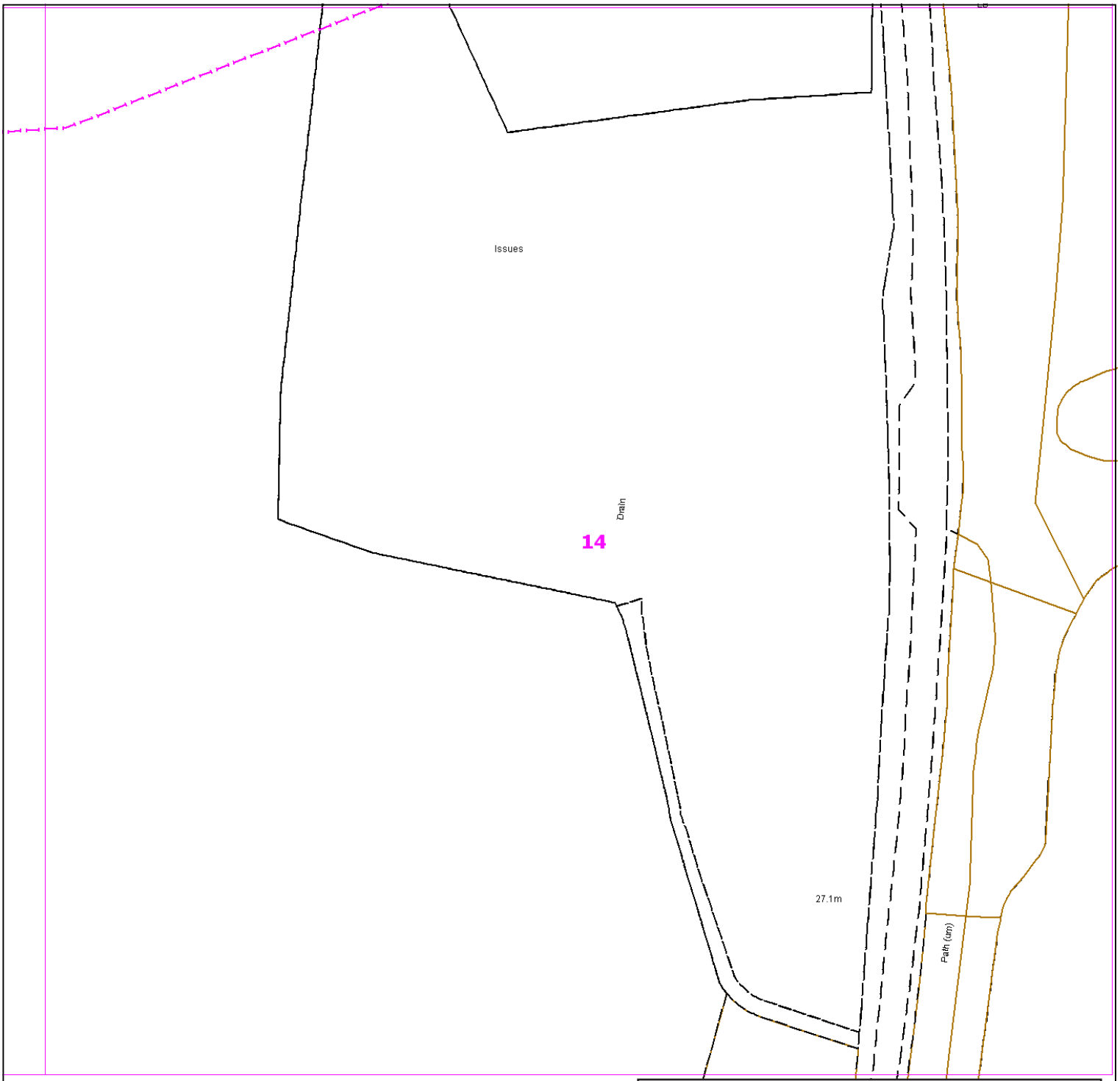
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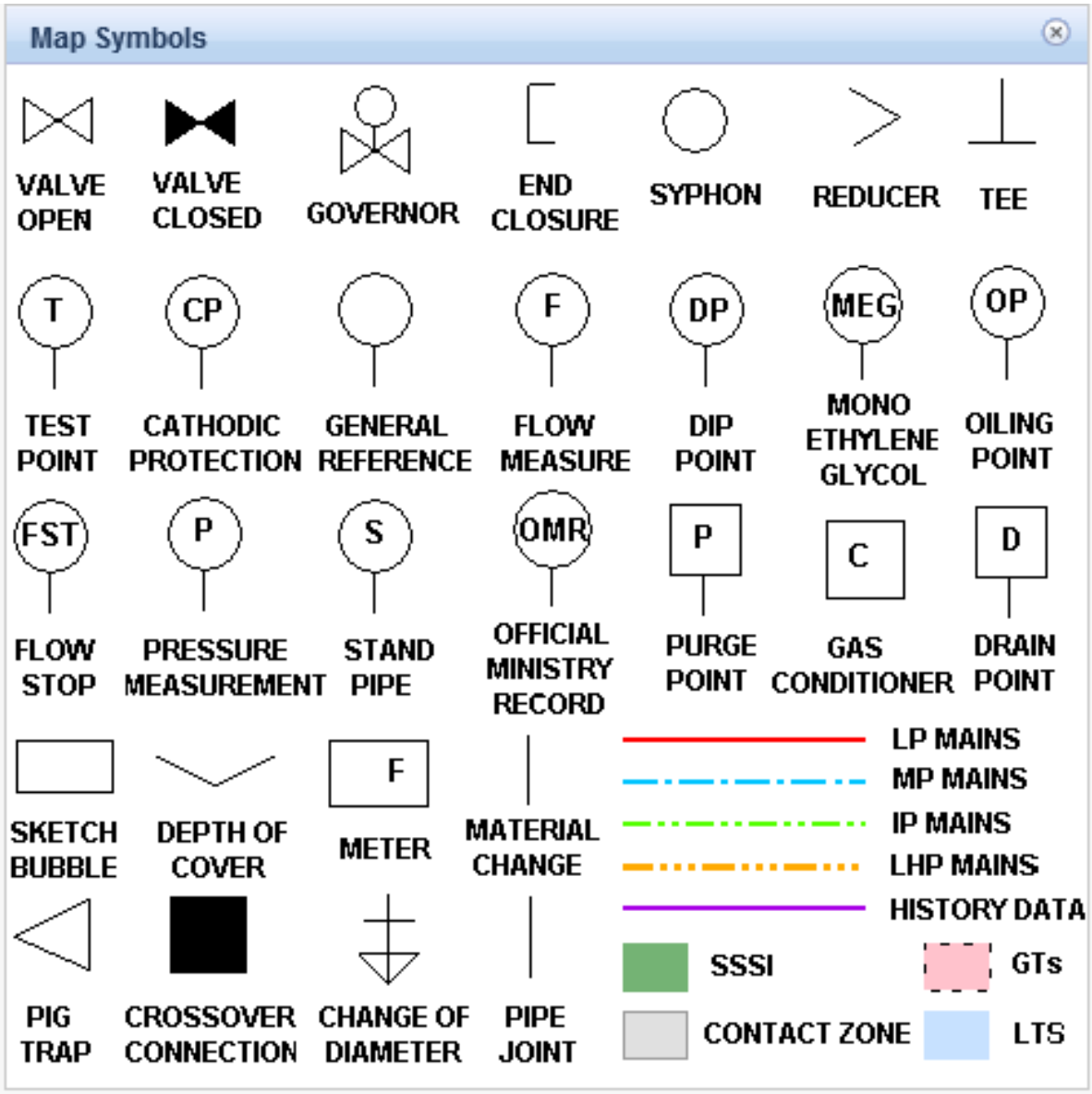
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Map Symbols
VALVE OPEN
VALVE CLOSED
GOVERNOR
END CLOSURE
SYPHON
REDUCER
TEE
T
TEST POINT
CP
CATHODIC PROTECTION
GENERAL REFERENCE
F
FLOW MEASURE
DP
DIP POINT
MEG
MONO ETHYLENE GLYCOL
OP
OILING POINT
FST
FLOW STOP
P
PRESSURE MEASUREMENT
S
STAND PIPE
OMR
OFFICIAL MINISTRY RECORD
P
PURGE POINT
C
GAS CONDITIONER
D
DRAIN POINT
SKETCH BUBBLE
DEPTH OF COVER
F
METER
MATERIAL CHANGE
LP MAINS
MP MAINS
IP MAINS
LHP MAINS
HISTORY DATA
PIG TRAP
CROSSOVER CONNECTION
CHANGE OF DIAMETER
PIPE JOINT
SSSI
GTs
CONTACT ZONE
LTS

APPENDIX C

SCOTTISH & SOUTHERN ENERGY RECORDS



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

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43 Forbury Road, Reading, RG1 3JH

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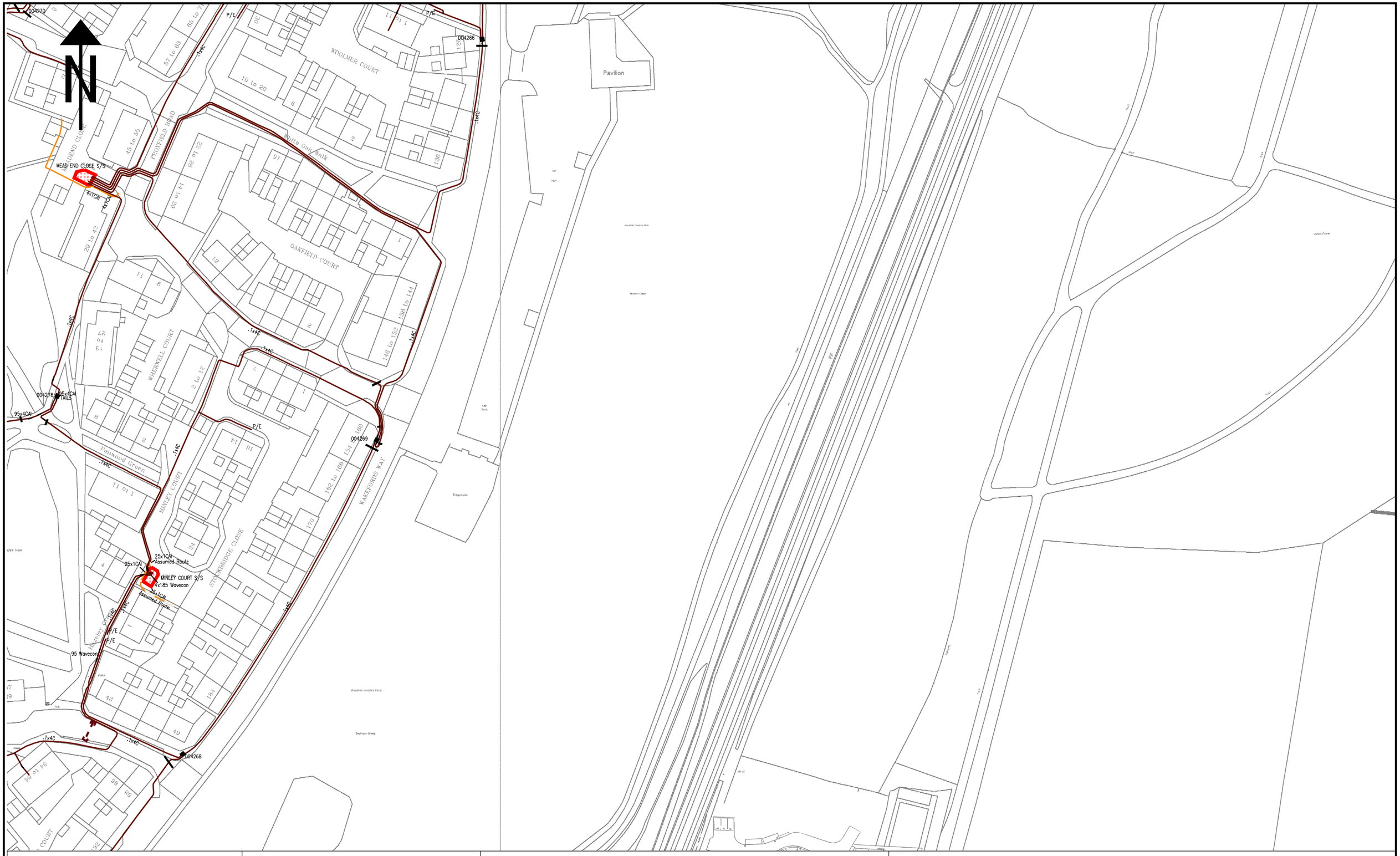
Scottish & Southern Electricity Networks

H.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

CHECKED

Grid Ref: SU73070825
Scale: 1:1250
Date: 05/06/2018



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

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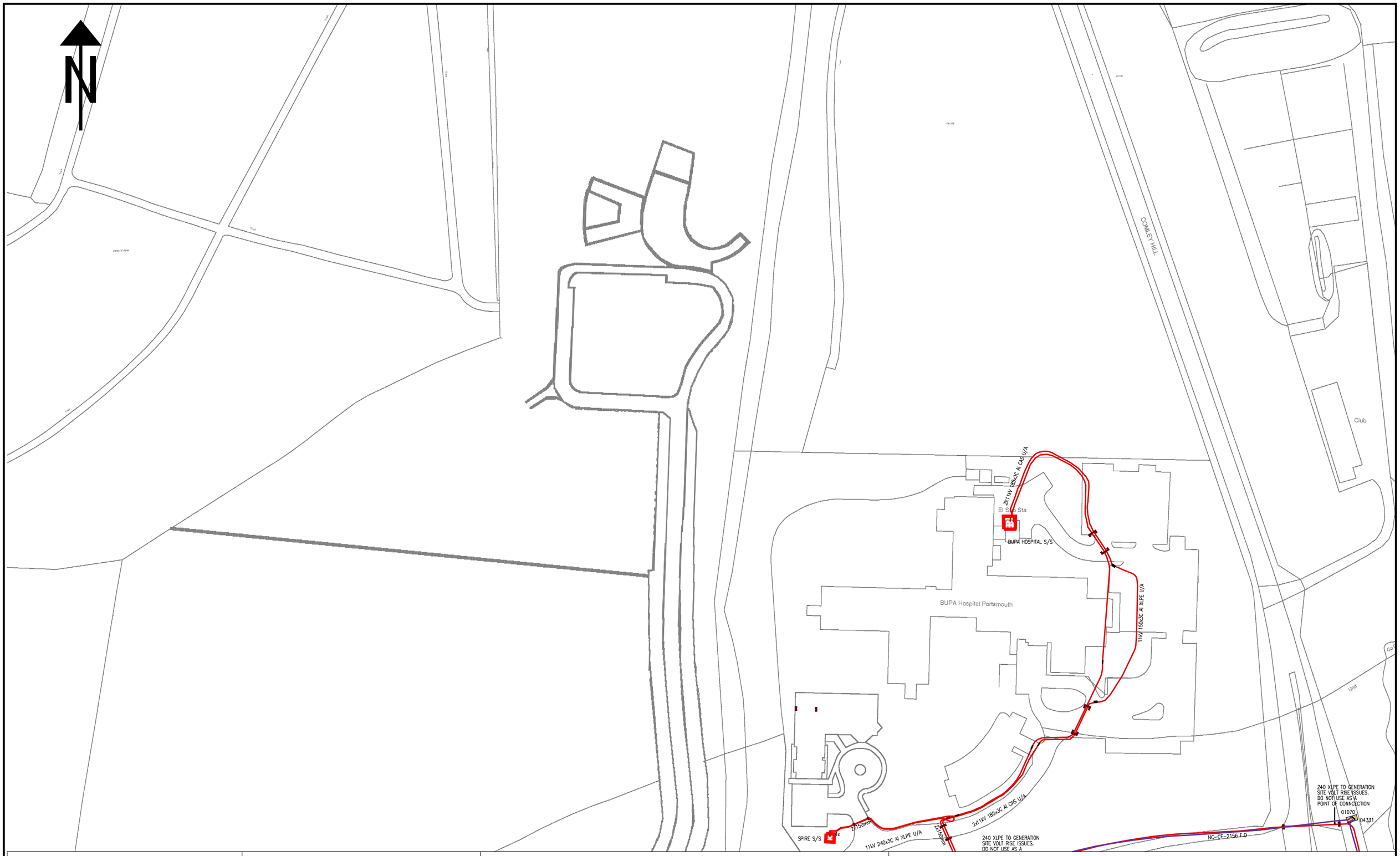
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L.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref: SU73070825
Scale: 1:1250
Date: 05/06/2018



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

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H.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref: SU73510825
Scale: 1:1250
Date: 05/06/2018



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

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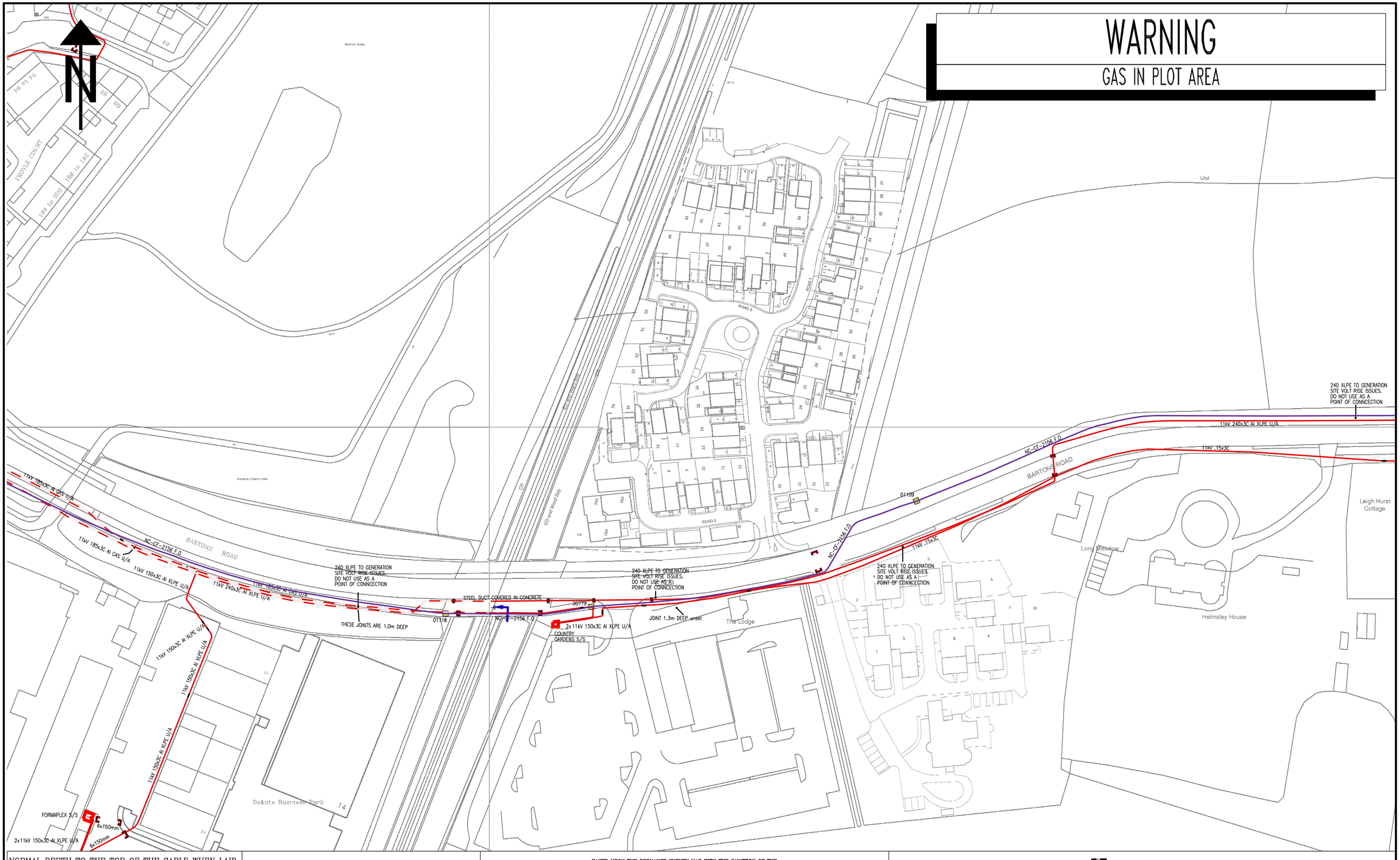
L.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref: SU73510825
Scale: 1:1250
Date: 05/06/2018

WARNING

GAS IN PLOT AREA



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

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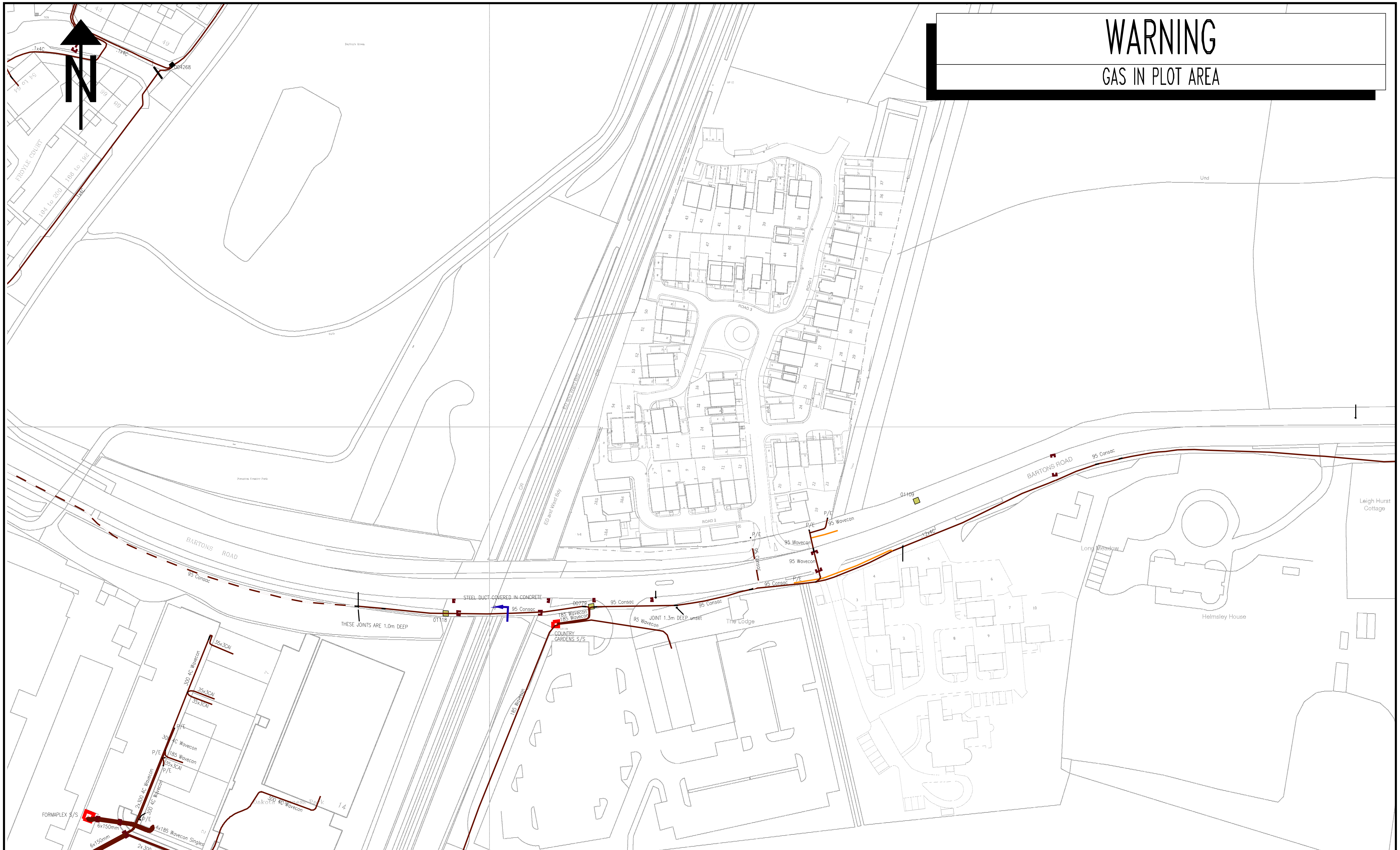
H.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref: SU73070800

Scale: 1:1250

Date: 05/06/2018



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID

	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

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L.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref:	SU73070800
Scale:	1:1250
Date:	05/06/2018

WARNING

GAS IN PLOT AREA



NORMAL DEPTH TO THE TOP OF THE PIPE WHEN LAID			
MAINS		SERVICES	
FOOTPATH	0.60m	PRIVATE	0.375m
VERGE	0.75m	PUBLIC	0.45m
ROAD	0.75m		

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

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Template: SIAS NRSWA COL A3 plot GAS

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Registered Office :
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London
EC2Y 5AB.

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indigo pipelines

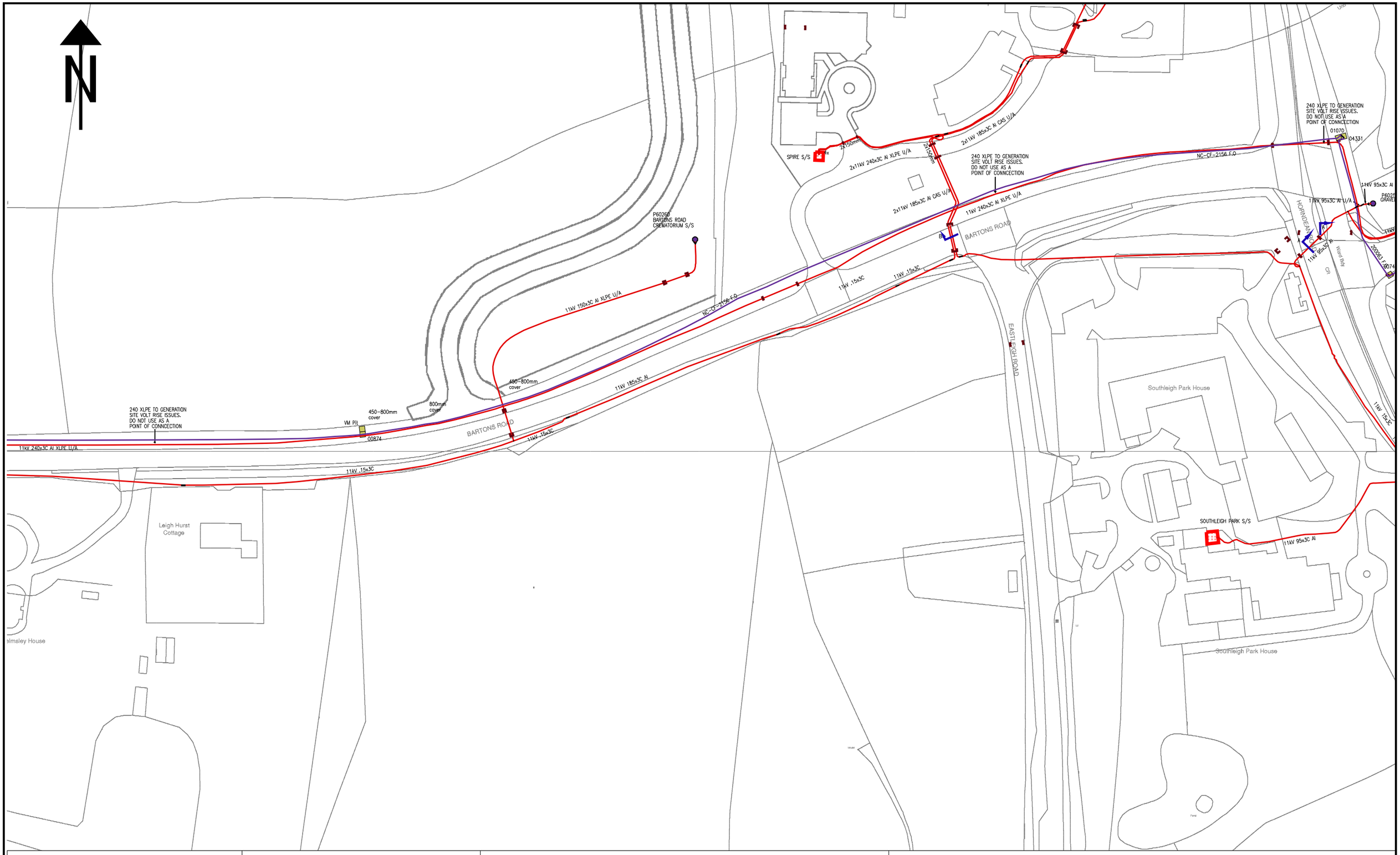
GAS Record

PORTSMOUTH
023-9262-4200

Grid Ref: SU73070800

Scale: 1:1250

Date: 05/06/2018



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

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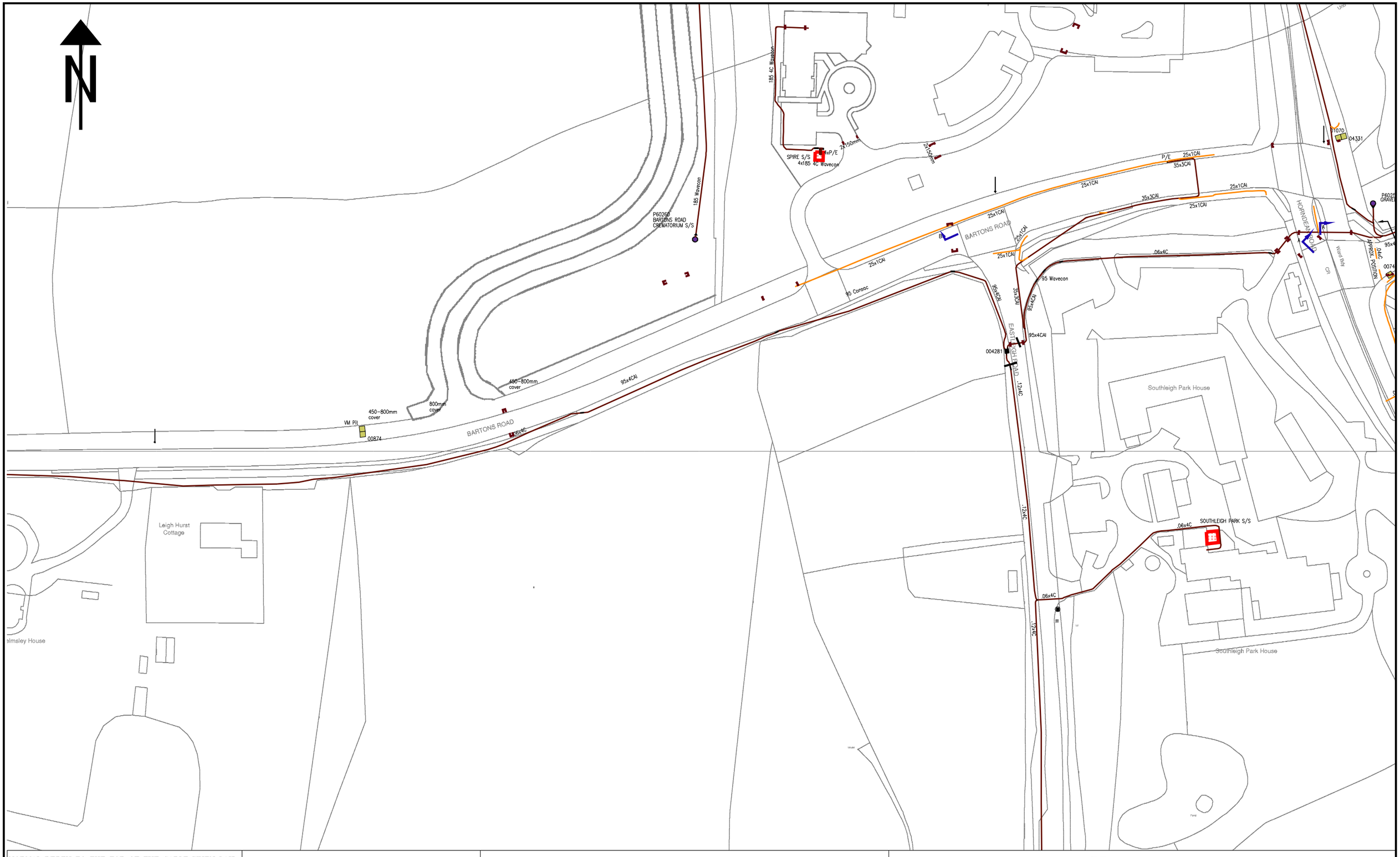
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H.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref: SU73510800
Scale: 1:1250
Date: 05/06/2018



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)

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L.V. MAINS RECORD

PORTSMOUTH
023-9262-4200

Grid Ref: SU73510800
Scale: 1:1250
Date: 05/06/2018

Watch it!

Safety advice brought to you by
Southern Electric Power Distribution plc and
Scottish Hydro Electric Power Distribution Ltd

These notes are intended to help all those who have to work in the vicinity of electrical apparatus. Employers have a legal obligation to ensure that their operatives are fully instructed in the correct procedures.

The Electricity at Work Regulations 1989 impose health and safety requirements upon employers, employees and self-employed persons with respect to electricity at work. The regulations impose restrictions on persons being engaged in work activities on or near live conductors.

Regulation 14 requires that: "No person shall be engaged in any work activity on or near any live conductor (other than one suitably covered with insulating material so as to prevent danger) that danger may arise unless:

- it is **unreasonable** in all circumstances for it to be dead; and
- it is **reasonable** in all circumstances for him to be at work on or near it while it is live; and
- suitable precautions (including where necessary the provision of suitable protective equipment) are taken to prevent injury."

The purpose of the regulations is to require precautions to be taken against the risk of death or personal injury from electricity in work activities.

Publications

The Health and Safety Executive have produced a document entitled 'Avoiding Danger from Underground Services', and the Appendix 1 deals specifically with electric cables. Copies are available from HMSO's Accredited Agents and good booksellers, Ref. HS (G) 47.

Copies of Health and Safety Guidance note GS 6 relating to safe working in proximity to overhead lines, are available from HMSO Head Offices of the Federation of Civil Engineering Contractors and the National Federation of Building Trades Employers.

Note

In situations of emergency or danger, or where the advice contained in these notes cannot be followed, you must consult Scottish and Southern Energy plc immediately. Tel. 08457 708090 for southern England or 0800 300999 for Scotland.

Additional copies of these "Watch it!" leaflets can be obtained from our Mapping Services office upon request. Tel. 01256 337294, or Fax 01256 337295.

You must read and accept the following safety notes as part of the contract to receive our network plans. You will have the option to print these and issue them to site staff.

Watch it! - Working in the vicinity of underground cables.

Our plans show the positions and normal depths for the buried cables and pipes at the time when they were installed. However, alterations to road alignments surface levels and buildings may have occurred subsequently without our knowledge. If you discover plant or cables that are not marked or incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our plans.

These plans show the equipment owned by Scottish and Southern Energy plc. There may be other privately owned plant in the area, which is outside of our control. You should always check with the Local Authority, National Grid Company, Department of the Environment, other Electricity Companies and other utilities before proceeding.

It is not intended that the issue of these plans will absolve either party from their obligation under any of the acts that control digging in the public highways.

Supplies To Properties, etc.

The location of cables supplying individual properties, street lighting, traffic signs, telephone kiosks etc. are not always shown on the plans. You should assume that each property, streetlight etc. will have its own supply cable.

Major Circuits

Where our plans indicate the presence of cables with a voltage exceeding 11,000 volts, you are advised to contact our local depot (telephone number is on the plans), before commencing any excavations within the vicinity of these cables. These major transmission circuits form an extremely important link in Scottish and Southern Energy's network, and damaging or modifying these circuits is a major and costly undertaking. Any development should therefore be designed to allow these circuits to remain undisturbed and accessible in their present location.

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below:

- ✓ **do** make sure you have plans of the underground cables in the area **before** any excavation work starts. Remember that some cables may not be shown on plans. If carrying out emergency work, excavate as though there are buried live cables in the vicinity.
- ✓ **do** use a cable locator to determine the position of existing cables in the work area. The positions should be marked and tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- ✓ **do** ask for a cable to be made dead if it is buried in concrete.
- ✓ **do** watch for signs of cables as work progresses. Note any marker-tape or cable-cover, which may be exposed.

- ✓ **do** backfill carefully, using stone-free soil around the cables, replacing marker-tapes and / or covers.
- ✓ **do** notify us immediately if you accidentally damage our cables. Arrange to keep people well clear of a cable that has been damaged until we have confirmed it has been made safe.
- ✓ **do** make sure before starting to demolish a building that all cables have been disconnected. We welcome prior notice of the intention to demolish buildings. This enables us to ensure that the site has been made safe electrically.
- ✓ **don't** operate a bulldozer, scraper, dragline or excavator; unless you are satisfied that there are no buried cables in the working area.
- ✓ **don't** use picks, pins, forks or pointed instruments in soft clay or soil when cables are present. Exercise extreme caution where such instruments are used to free lumps of stone, or break up firmly compacted ground. **Never** throw a fork or sharp instrument into the ground.
- ✓ **don't** dig trial holes over the indicated route of the cable. Excavate alongside instead.
- ✓ **don't** use exposed cables as a convenient step or handhold.
- ✓ **don't** handle or attempt to alter the position of any cable.

Remember that a damaged cable may cause extensive loss of supplies, make expensive repairs necessary and cause serious or even fatal injury.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make cables dead without interrupting supplies to our customers. But given adequate notice, we will wherever possible, give advice regarding special precautions which may be necessary on any site where particular problems are likely to be encountered. The right is reserved to make a charge for this service.

Electricity cables can exist anywhere - under paths or roads, in gardens or driveways, on new housing or industrial development sites or even farmland.

Watch it! - Working in the vicinity of overhead lines

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below

- ✓ **do** carefully note the position of all overhead lines before commencing work.
- ✓ **do** co-operate with us during planning and sitework stages.
- ✓ **do** follow the advice given in HSE Guidance Note GS 6 when siting barriers, goal posts, bunting etc.
- ✓ **do** keep overhead lines in view when moving scaffolding or machinery and take special care when felling or lopping trees.
- ✓ **do** remember that the raising or slewing of a crane or excavator jib may cause danger when operating near an overhead line.
- ✓ **do** avoid any machinery that is in contact with an overhead line until we confirm that conditions are safe.
- ✓ **do** warn others to keep well clear.
- ✓ **don't** drive a high vehicle below an overhead line when an alternative route is available.
- ✓ **don't** raise the bed of a tipper lorry beneath an overhead line or drive under the line with the body of the vehicle raised.
- ✓ **don't** steady any suspended load until you are satisfied that there is no danger from overhead lines.
- ✓ **don't** handle or use scaffold platforms, poles, pipes or ladders unless they are at a safe distance from overhead lines.
- ✓ **don't** transport long objects beneath overhead lines, unless they are carried in a horizontal position.
- ✓ **don't** approach or touch any broken or fallen overhead lines.

Always remember that:

- Electricity can jump gaps.
- Contact or near contact with a crane jib, scaffold or ladder can cause a discharge of electricity with a risk of fatal or severe shock and burns to any person in the vicinity.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make overhead lines dead without interrupting supplies to customers. However, provided adequate notice is given, then we will, whenever possible, give advice regarding special precautions which may be necessary on site where specific problems may be encountered. The right is reserved to make a charge for this service.

GUIDE TO INTERPRETING

MAINS RECORDS PLANS

PRODUCED BY MAPPING SERVICES



INTRODUCTION

The Health & Safety Executive have produced a document entitled 'Avoiding danger from underground services'. Copies are available from HMSO's accredited agents and good booksellers, Ref HS(G)47, ISBN 0118854925.

WHEN WORKING IN THE VICINITY OF ELECTRICITY CABLES AND OVERHEAD LINES PLEASE FOLOW THE DO'S & DON'T'S LISTED BELOW.

DO'S

Do Make sure that you have plans of the cables in the area before any excavation work starts. Remember that some cables such as service cables may not be shown on the plans. Cables owned by other companies are not shown, e.g. local authorities, Department of the Environment, National Grid Co. etc.

Do Make sure that you understand the plans that have been supplied to you. For detailed explanation of the symbols used by Scottish & Southern Energy to display the cable information see
Appendices.

Do Use a cable avoidance tool (CAT) to determine the position of the existing cables in the work area. The positions should be clearly marked and further tests made as work proceeds. **If in doubt, get advice from your supervisor.**

Do Hand dig trial holes over the indicated route of the cable, excavate alongside.

Do Ask for a cable to be made dead if it is buried in concrete. Please note that this is likely to be a costly process.

Do Watch for signs of cables as work progresses, such as marker tapes or cable covers which may be exposed.

Do Backfill carefully using stone free soil around cables, replacing marker tapes and covers.

Do Ensure that there is maximum clearance above all cable & joints.

Do Notify Scottish & Southern Energy immediately should accidental damage to cables occur however large or small. Arrange to keep people well clear of the cable that has been damaged. Do not backfill an area where cable damage has occurred.

DON'T'S

Don't Operate a bulldozer, scraper, dragline or excavator unless you are satisfied that there are no buried cables or overhead lines in the working area.

Don't Use picks, forks or pointed instruments in soft clay or soil where cables are present, exercise extreme caution where such instruments are used to free lumps of stone or to break up firmly compacted ground.

Don't Use exposed cables as a convenient step or handhold.

Don't Handle or attempt to alter the position of any cable.

REMEMBER THAT A DAMAGED CABLE MAY CAUSE EXTENSIVE LOSS OF SUPPLIES, MAKE EXPENSIVE REPAIRS NECESSARY AND CAUSE SERIOUS OR EVEN FATAL INJURY.

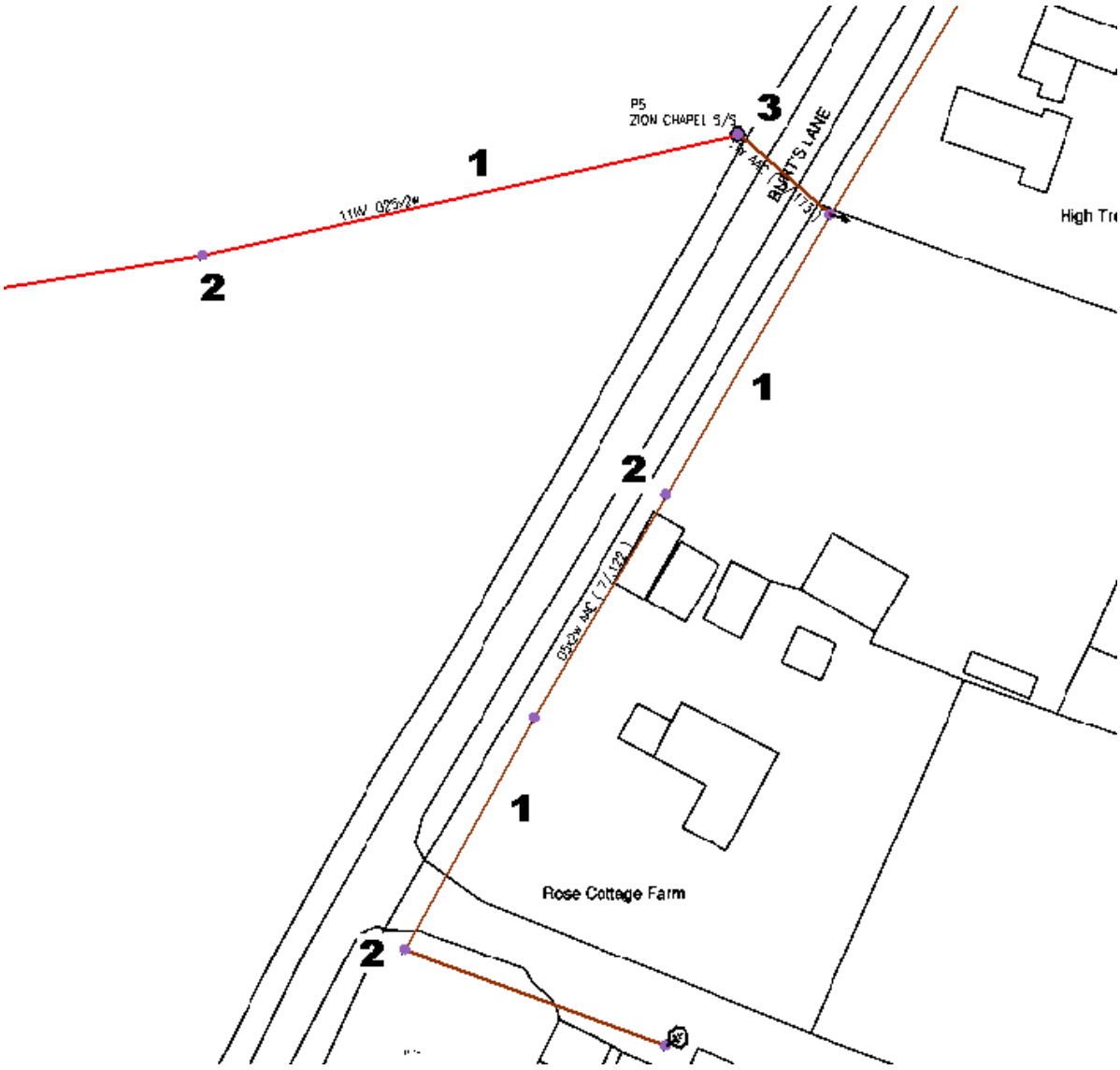
IF IN DOUBT ASK SCOTTISH & SOUTHERN ENERGY.

UNDERSTANDING THE CABLE INFORMATION ON THE PLANS.

AVERAGE DEPTH OF CABLES: Footpaths 0.6 metres
Road Crossings 0.75metres
NB These depths are only approximate, depths may vary. It should also be noted
That surface levels can change subsequent to the cables being laid.

Mains records symbols definitions and examples:

A) Overhead lines & Poles – These are depicted as follows:

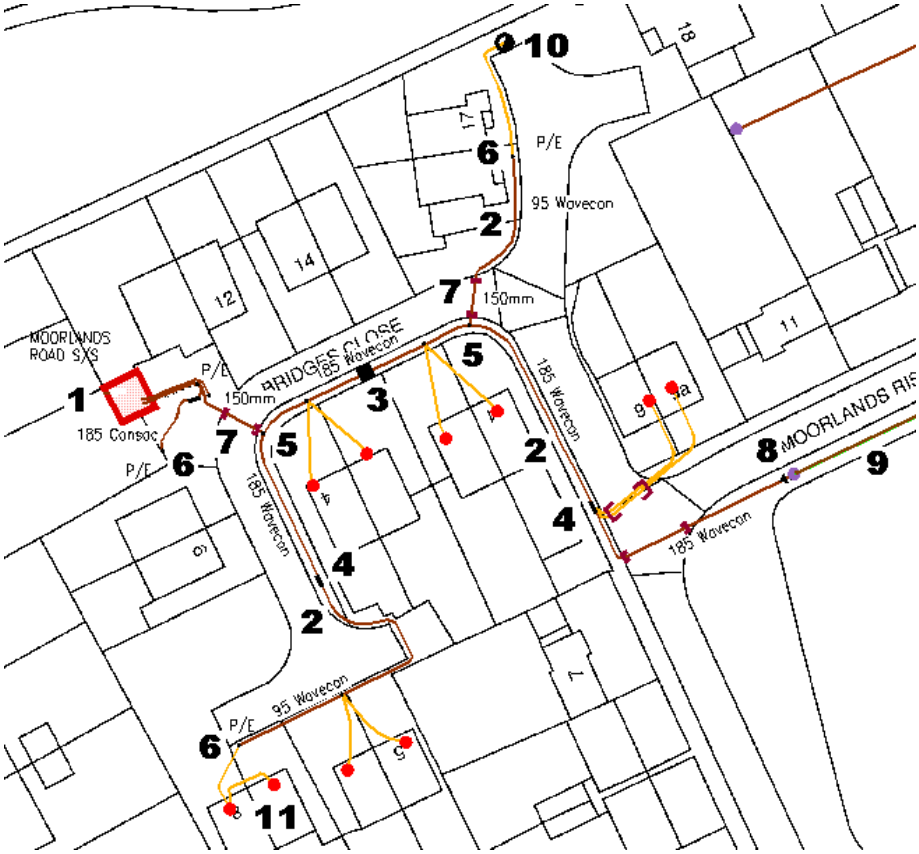


1. Overhead Line – These can be either High Voltage or Low Voltage, colour denotes voltage.

2. Poles.

3. Pole Mounted Transformer.

B) Typical example of Low Voltage cable records:



1. Sub Station

2. Low Voltage Underground cable.

3. Link Boxes: This is a box with a manhole cover marked as belonging to Scottish & Southern Energy containing links. Either two or four cables will lead away from a link box.

4. Straight Joint: This is where two separate cables are joined together.

5. Breech Joint: This is where another cable is attached to the main.

6. Pot End:This is the end of the cable. In certain circumstances service cables to properties can be taken from the pot end. These services may not be shown on the plans.

7. Road crossing duct where a cable is routed under a path or road.

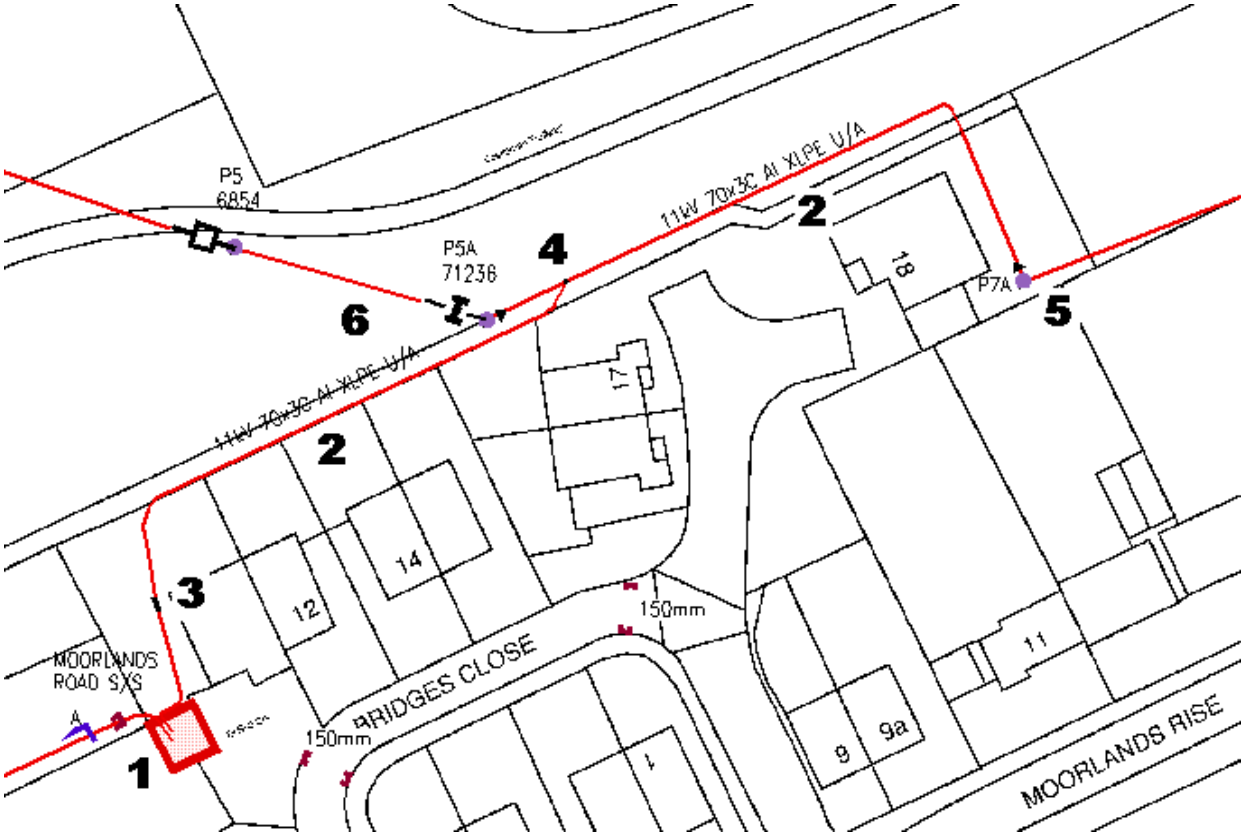
8. Cable terminations/Pole Box: Where underground cables are connected to overhead lines

9. Overhead line.

10. Street Lamps.

11. Services to properties: The service cable to an individual property are not always shown on the mains records that Scottish & Southern Energy supply.
In some cases a service can be looped from an adjacent property.
Some services are laid through ducts from the mains to the meter positon when laid.

C) Typical example of High Voltage cable record.



1. Sub Station

2. High Voltage Underground cable – Colour denotes voltage.

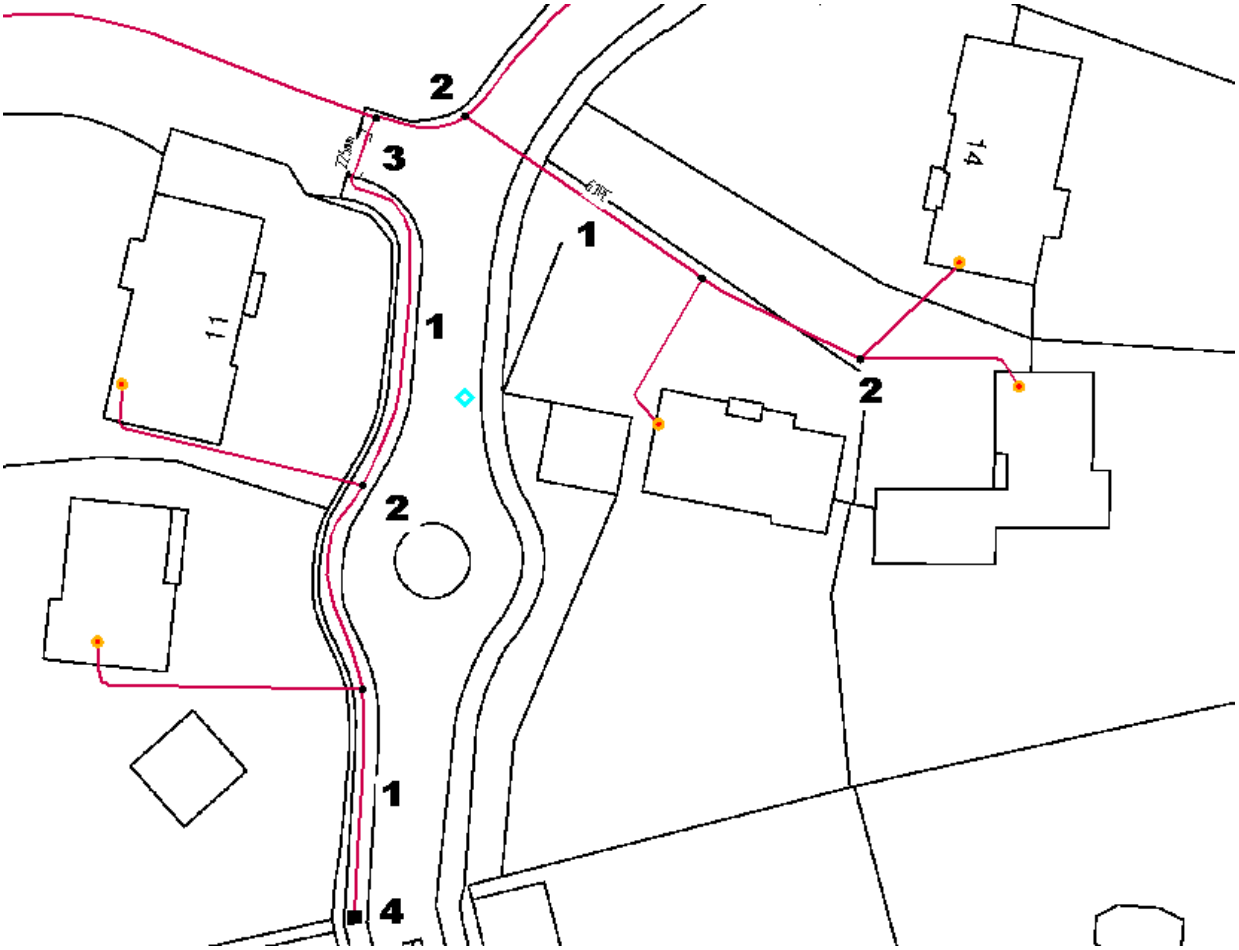
3. Straight Joint: This is where two separate cables are joined together.

4. Breech Joint: This is where another cable is attached to the main.

5. Cable terminations/Pole Box: Where underground cables are connected to overhead lines

6. Overhead Switch.

D) Typical example of Gas pipe record



1. Gas Pipes- Colour denotes pressure.

2. Gas joint

3. Road crossing duct where a pipe is routed under a path or road.

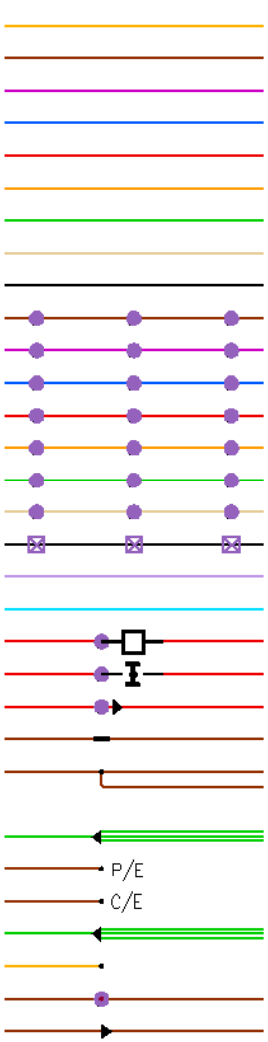
4. Connection Point. Position where network is connected to national gas suppliers network.

Further Notes.

The various sizes of cables and pipes are shown alongside the routes.

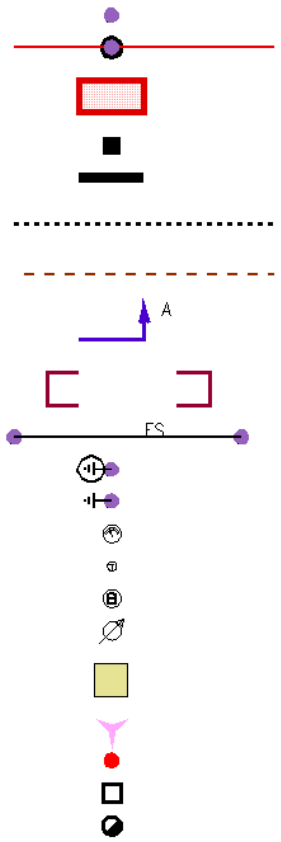
IF IN DOUBT ASK SCOTTISH & SOUTHERN ENERGY

GIS ELECTRIC SYMBOLS (SOUTH)



LV UNDERGROUND SERVICE CABLE
LV UNDERGROUND MAINS CABLE
2KV-3.3KV UNDERGROUND CABLE
6.6KV UNDERGROUND CABLE
11KV UNDERGROUND CABLE
22KV UNDERGROUND CABLE
33KV UNDERGROUND CABLE
66KV UNDERGROUND CABLE
132KV UNDERGROUND CABLE
LV OVERHEAD LINE
2-3.3KV OVERHEAD LINE
6.6KV OVERHEAD LINE
11KV OVERHEAD LINE
22KV OVERHEAD LINE
33KV OVERHEAD LINE
66KV OVERHEAD LINE
132KV OVERHEAD LINE
FIBRE OPTIC CABLE
PILOT CABLE
CIRCUIT BREAKER
SWITCH DISCONNECTOR
POLE BOX
STRAIGHT JOINT
TEE JOINT

TRIFURCATING JOINT
POT END JOINT
CAPPED END JOINT
SEALING END JOINT
SERVICE CONNECTOR JOINT
O/H CONNECTOR JOINT
WALL BOX JOINT



POLE
POLE MOUNTED TRANSFORMER

SUBSTATION
LINK BOX
PILLAR

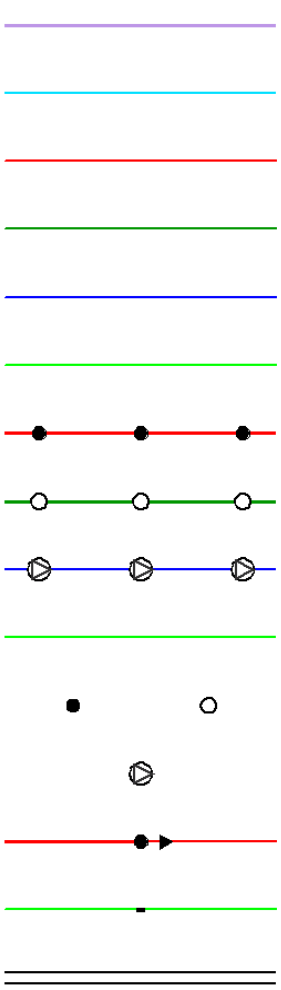
MAJOR PIPELINE
ASSUMED ROUTE

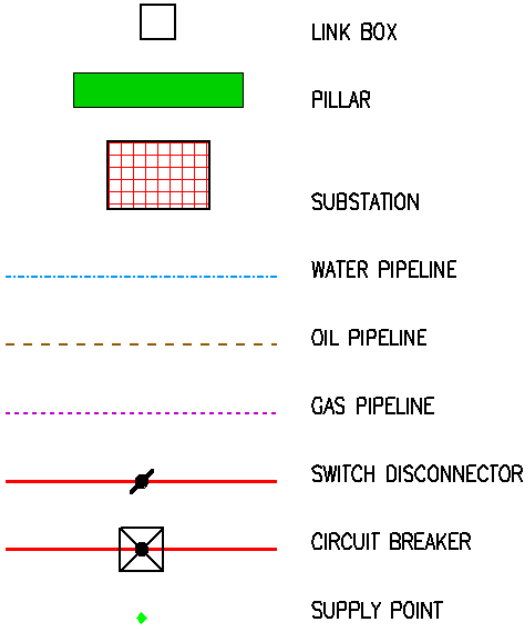
CROSS SECTION

DUCTING
FLYING STAY
PME EARTH
NEUTRAL EARTH
OIL/GAS GAUGE
OIL/GAS TANK
BALANCER
REGULATOR

PIT
SCHEMATIC CONNECTOR
SUPPLY LOCATION-PROPERTY
SUPPLY LOCATION-OTHER
SUPPLY LOCATION-STREET FURNITURE

GIS ELECTRIC SYMBOLS (NORTH)





GIS Gas Symbols

Medium Pressure Pipe

Low Pressure Pipe



Gas Ducting

Gas Supply Point

Gas Joint

End Closure

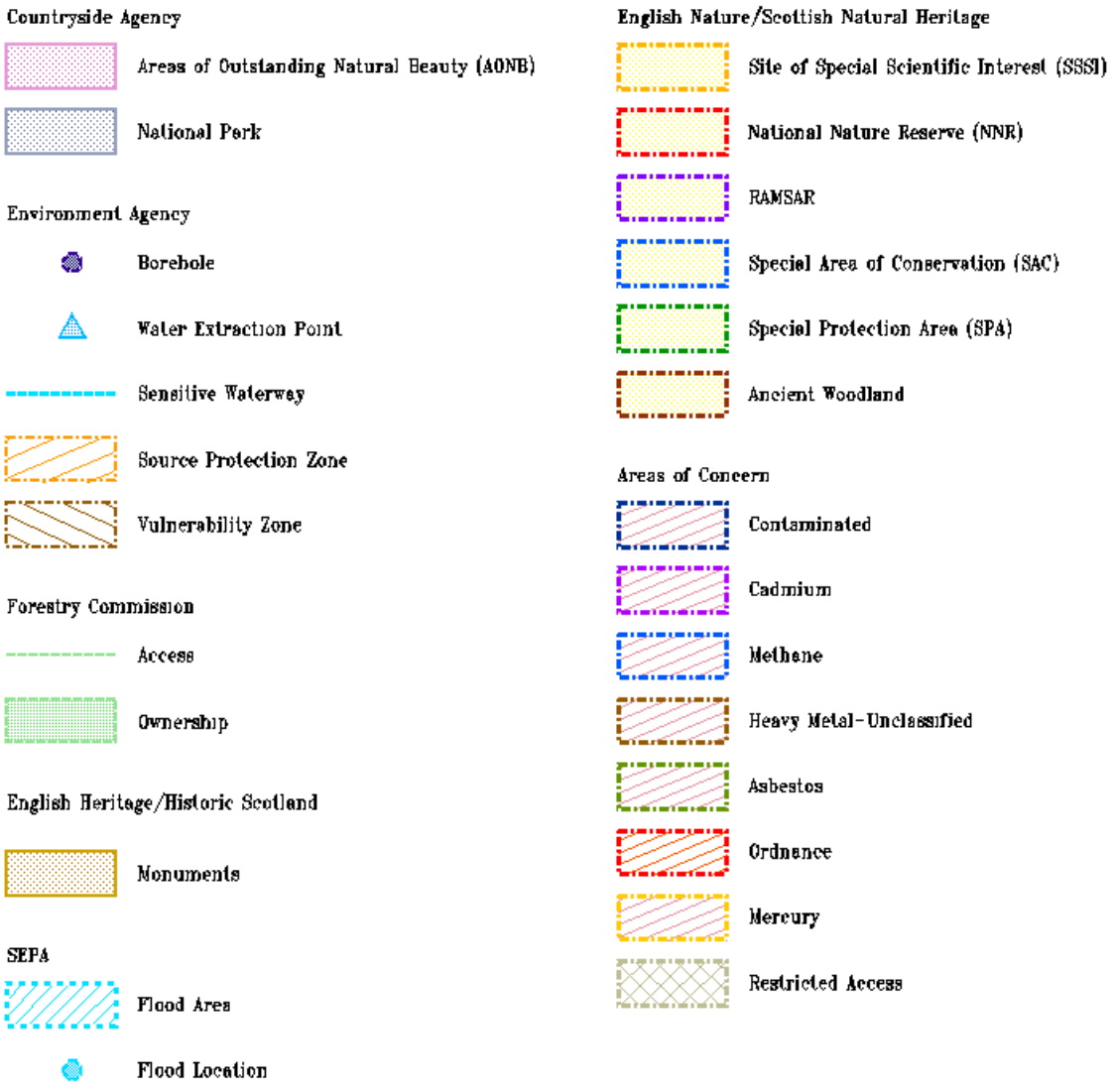


Pressure Reduction Station

Gas Utility Connection Point

Valve

GIS Environmental Guide



APPENDIX D

PORTSMOUTH WATER RECORDS

CHECKED

S, Darshan

From: Distribution Admin <Distribution.Admin@portsmouthwater.co.uk>
Sent: 22 May 2018 20:11
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018
Attachments: REFERENCE 65279 - SK.pdf

Dear Sir / Madam

NETWORK MAINS PLAN

Further to your email dated 17th May 2018, please find enclosed a section of Ordnance Survey plan on which is indicated in coloured lines, the approximate positions of the Company's existing water mains. The colours on the plan you have been sent represent the Reservoir serving that main and have no effect on the location or depth of the main.

I am unable to indicate the approximate position of the water services to the various properties fronting your works, but wherever there are surface stopcock or meter boxes it should be assumed that a service pipe is connected to the Company's mains.

I would suggest that should you require accurate information regarding the location of the Company's installations then trial holes be taken.

All surface boxes should be adjusted to final levels.

Please be aware that the Ordnance Survey data provided to you with this letter may only be used under the terms of your own agreement with Ordnance Survey in relation to your right to meet your Statutory Obligations.

Kind regards,



Ben Sydenham

Distribution Manager

From: Bhaskar, Aditya [mailto:Aditya.Bhaskar@atkinsglobal.com] **On Behalf Of** Utility Solutions GDC Requests
Sent: 17 May 2018 13:09
To: Asset.Enquiries <Asset.Enquiries@portsmouthwater.co.uk>
Subject: [EXTERNAL] Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Our Reference: 65279
Site Name: Land of Bartons Road, Havant
Works Description: Utility Works
Site Grid References: 473319 108123,473554 108323,473017 107918,473425 108328

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

We request plans showing the location of your company's affected plant in relation to the entire site area shown within the boundary on the attached map. Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.

A0

REFERENCE 65279 - SK

EXISTING MAIN
ABANDONED MAIN
PROPOSED MAIN
COMPANY WASHOUT
WASHOUT FIRE HYDRANT
FIRE HYDRANT
PROPOSED FIRE HYDRANT
WO TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
FH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
WOFH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY

Portsmouth Water
Registered Office
P.O. BOX NO. 8, West Street, Havant, Hampshire. PO9 1LG
Registered in England No. 2536455
Telephone: (023) 9249 9888
Fax: (023) 9245 3632
Website: www.portsmouthwater.co.uk

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The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of service pipes or cables to individual premises.The responsibility for locating and avoiding damage to apparatus on site shall be that of the person proposing to excavate in the street who shall be liable to the undertakers concerned for any loss or damage caused by their failure in any way for any loss or damage caused by their failure to do so.

Drg No:
Job No:
OS Ref: SU730859W
Scale: 1:1,250
Date: 22/05/2018

APPENDIX E

SOUTHERN WATER DRAINAGE RECORDS AND

FOUL DRAINAGE CALCULATIONS

Southern Water

CHECKED

Atkins Global
The Hub, 500
Park Avenue
Bristol
BS32 4RZ

Your ref 65279

Our ref 293699

Date 21 May 2018

Contact searches@southernwater.co.uk
Tel 0845 272 0845
0330 303 0276
Fax 01634 844514

Attention: Andrew Aitken

Dear Customer

Re: Provision of public sewer record extract

Location: Land of Bartons Road, Havant, PO9 5NB

Thank you for your order regarding the provision of extracts of our sewer and/or water main records. Please find enclosed the extracts from Southern Water's records for the above location.

We confirm payment of your fee in the sum of £49.92 and enclose a VAT receipt for your records.

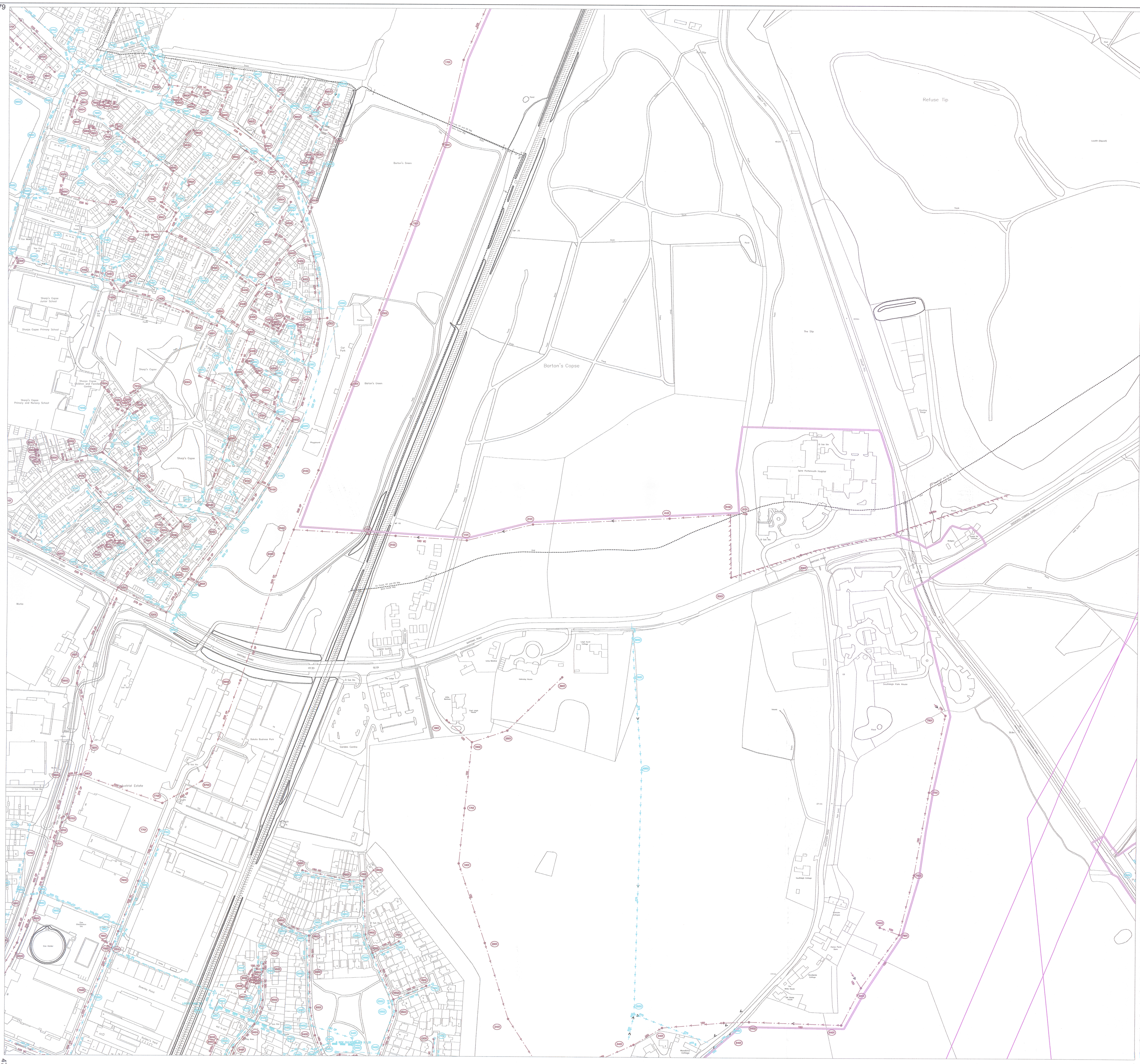
Customers should be aware that there are areas within our region in which there are neither sewers nor water mains. Similarly, whilst the enclosed extract may indicate the approximate location of our apparatus in the area of interest, it should not be relied upon as showing that further infrastructure does not exist and may subsequently be found following site investigation. Actual positions of the disclosed (and any undisclosed) infrastructure should therefore be determined on site, because Southern Water does not accept any responsibility for inaccuracy or omission regarding the enclosed plan. Accordingly it should not be considered to be a definitive document.

Should you require any further assistance regarding this matter, please contact the LandSearch team.

Yours faithfully

LandSearch

108779



107450
472594
474032

Node	Cover	Invert	Size	Material	Shape	
0101X			UNK	UNK	CIRC	
0102X			UNK	UNK	CIRC	
0301X			UNK	UNK	UNK	
0302X			UNK	UNK	CIRC	
0303X			UNK	UNK	UNK	
0350X	15.659		UNK	UNK	UNK	
0450X	17.09	15.54	375	CP	CIRC	
0451X	18.14	15.37	300	CP	CIRC	
0452X	17.2	15.49	300	CP	CIRC	
0453X	17.2	15.36	300	CP	CIRC	
0454X		15.331	UNK	UNK	RECT	
045DX		15.31	450	CP	CIRC	
0500X	18.5	17.3	150	VC	CIRC	
0501X	18.84	17.69	150	VC	CIRC	
0502X	17.85	16.54	150	VC	CIRC	
0503X	17.59	16.4	150	VC	CIRC	
0550X	18.46	16.72	150	VC	CIRC	
0551X	18.83	17.28	150	VC	CIRC	
0552X	17.81	15.95	375	CP	CIRC	
0553X	17.56	15.81	375	CP	CIRC	
0600X	20.96	18.86	150	VC	CIRC	
0601X	21.29	18.73	150	VC	CIRC	*
0601X			UNK	UNK	UNK	*
0602X	18.99	17.63	150	VC	CIRC	
0650X	20.91	19.08	225	VC	CIRC	*
0650X	27.936	26.616	225	UNK	CIRC	*
0651X	21.18	18.96	225	VC	CIRC	
0652X	21.888	19.888	225	UNK	CIRC	*
0652X	18.99	17.12	300	CP	CIRC	*
0653X	19.29	16.98	150	VC	CIRC	
1101X			150	VC	CIRC	
1400X	16.6	15.08	150	VC	CIRC	
1450X	16.61	15.32	225	VC	CIRC	
1500X	17.57	16.84	150	VC	CIRC	
1501X			UNK	UNK	CIRC	
1550X	17.6	16.42	150	VC	CIRC	
1601X	22.812	21.562	150	UNK	CIRC	*
1601X			UNK	UNK	CIRC	*
1701X			UNK	UNK	CIRC	*
1701X	26.257	25.007	UNK	UNK	CIRC	*
1801X	30.658	28.658	150	UNK	CIRC	
1802X	29.306		150	UNK	CIRC	
2101X			UNK	UNK	CIRC	
2401X	16.84	15.47	150	UNK	CIRC	
2501X	19.522	18.302	UNK	UNK	CIRC	
2801X			UNK	UNK	CIRC	
3401X	16.395	14.625	150	UNK	CIRC	
3550X	17.134	15.704	375	UNK	CIRC	
3901X			UNK	UNK	CIRC	
3950X	34.843		375	UNK	CIRC	
3951X	32.49	31.225	375	UNK	CIRC	
4101X			UNK	UNK	CIRC	
4401X	16.714	14.794	150	UNK	CIRC	
4850X	27.867	26.327	375	UNK	CIRC	
5001X			UNK	UNK	CIRC	
5101X			UNK	UNK	CIRC	*
5101X	27.65	25.91	225	VC	CIRC	*
510DX			UNK	UNK	CIRC	
5401X			150	UNK	CIRC	
5402X			150	UNK	CIRC	
6000X	22.07	20.28	225	VC	CIRC	
6001X			UNK	UNK	CIRC	
6050X	19.3	17.54	225	VC	CIRC	
6051X	17.31	15.71	225	VC	CIRC	
6100X	24.97	22.34	225	VC	CIRC	
6150X	21.17	19.68	225	VC	CIRC	
6151X	20.51	18.2	225	VC	CIRC	
6200X	27.95	25.48	225	VC	CIRC	
6201X			UNK	UNK	CIRC	
6202X			UNK	UNK	CIRC	
6203X			UNK	UNK	CIRC	
6204X			UNK	UNK	CIRC	
624DX			UNK	UNK	CIRC	
6250X	24.73	21.19	300	CP	CIRC	
6400X	38.14	36.2	150	VC	CIRC	
6401X	16.8	15.785	150	UNK	CIRC	
6450X	34.21	32.12	225	VC	CIRC	
6451X	34.78	32.33	225	VC	CIRC	
6452X	35	33.03	225	VC	CIRC	
6500X	15.96	13.71	375	CP	CIRC	*
6500X	40.27	39.31	225	VC	CIRC	*
6501X	15.6	12.43	600	CP	CIRC	*
6501X	17.97	16.56	UNK	UNK	CIRC	*
6501X	39.38	38.28	225	VC	CIRC	*
6550X	39.6	36.97	225	VC	CIRC	
6551X	39.41	37.26	225	CP	CIRC	
6552X	39.48	37.8	225	VC	CIRC	
6553X	38.98	37.18	225	VC	CIRC	
6600X	16.02	13.83	375	CP	CIRC	*
6600X	41.51	39.23	225	VC	CIRC	*
6601X			150	VC	CIRC	*
6601X	15.82	12.64	600	CP	CIRC	*
6602X			UNK	UNK	CIRC	
6603X			UNK	UNK	CIRC	
6604X			UNK	UNK	CIRC	
6606X			UNK	UNK	CIRC	
6650X	41.12	38.84	225	CP	CIRC	*
6650X	15.9	14.69	225	VC	CIRC	*
6651X	40.51	38.26	225	VC	CIRC	
6652X	40.57	38.74	225	CP	CIRC	*
6652X			300	CO	CIRC	*
6653X	41.48	39.54	225	CP	CIRC	*
6653X			300	CO	CIRC	*
6654X			400	DI	CIRC	*
6654X	40.59	38.21	225	CP	CIRC	*
6700X	16.21	12.92	600	CP	CIRC	*
6700X	42.5	40.52	225	VC	CIRC	*
6701X	41.93	39.58	225	VC	CIRC	*
6701X	16.37	13.77	375	CP	CIRC	*
6702X	16.78	14.22	375	CP	CIRC	
6703X	15.95	13.36	375	CP	CIRC	
6750X	16.31	15.21	225	VC	CIRC	*
6750X	41.45	40.15	225	CP	CIRC	*
6751X	41.75	40.01	225	CP	CIRC	
6752X	41.92	40.46	225	CP	CIRC	
6753X	41.49	39.79	225	CP	CIRC	
6800X	16.71	13.3	600	CP	CIRC	
6801X	17.17	13.5	525	CP	CIRC	
6900X	17.7	15.22	375	CP	CIRC	
6901X	17.83	15.25	375	CP	CIRC	
7000X	19.07	15.57	375	CP	CIRC	
7001X	19.49	17.19	225	VC	CIRC	
7002X	18.23	15.87	375	CP	CIRC	
7003X			UNK	UNK	CIRC	
7050X	16.77	15.29	225	VC	CIRC	
7051X	16.56	14.69	225	VC	CIRC	
7052X	15.23	13.53	150	VC	CIRC	
7053X	15.43	13.97	300	VC	CIRC	
7054X	15.19	13.99	225	CP	CIRC	
7100X	23.15	19.95	225	VC	CIRC	
7101X	21.95	19.88	225	VC	CIRC	
7104X			UNK	UNK	CIRC	
7105X			UNK	UNK	CIRC	
710DX			UNK	UNK	CIRC	
711DX			UNK	UNK	CIRC	
7150X	18.76	17.1	225	VC	CIRC	
7151X	18.09	16.21	450	CP	CIRC	
7152X	19.21	16.78	450	CP	CIRC	
7153X	16.81	15.41	225	VC	CIRC	
7154X	17.7	15.93	225	VC	CIRC	
7155X	16.64	15.29	225	VC	CIRC	
7200X	26.78	23.18	225	VC	CIRC	
7201X	24.93	22.45	225	VC	CIRC	
7202X	30.3	29.08	225	VC	CIRC	
7203X	28.11	26.57	225	VC	CIRC	
7204X	30.46	28.81	225	VC	CIRC	
7205X			100	VC	CIRC	
7207X			UNK	UNK	CIRC	
721DX			UNK	UNK	CIRC	
7251X	22.69	20.56	225	VC	CIRC	
7252X	22.48	19.55	300	CP	CIRC	
7253X	24.4	22.48	225	VC	CIRC	
7254X	22.15	20.5	225	VC	CIRC	
7255X	23.3	21.44	225	CP	CIRC	
7256X	26.33	23.05	300	CP	CIRC	
7400X	35.84	33.59	225	VC	CIRC	
7401X	34.88	32.21	225	VC	CIRC	
7402X	36.4	34.48	225	VC	CIRC	
7403X	35.13	32.8	225	VC	CIRC	
7404X	34.17	32.16	150	VC	CIRC	
7405X	34.4	31.84	225	VC	CIRC	
7406X	31.67	28.56	225	VC	CIRC	
7450X	34.07	31.79	300	CP	CIRC	
7451X	29.96	26.56	375	CP	CIRC	
7452X	30.87	28.29	225	VC	CIRC	
7453X	32.12	30.22	225	VC	CIRC	
7454X	32.15	29.19	300	VC	CIRC	
7455X	32.86	29.58	300	VC	CIRC	
7500X	36.52	33.12	225	VC	CIRC	*
7500X	17.33	15.46	225	VC	CIRC	*
7501X	38.28	35.69	225	VC	CIRC	
750DX			UNK	VC	CIRC	
751DX			225	VC	CIRC	
7550X	37.26	35.63	300	CP	CIRC	*
7550X	17.35	15.89	375	CP	CIRC	*
7551X	37.68		300	CP	CIRC	
7552X	39.3		225	VC	CIRC	
7553X	37.38		225	VC	CIRC	
7600X	18.1	16.32	225	VC	CIRC	*
7600X	40.5	38.62	225	VC	CIRC	*
7601X	20.084	18.554	150	UNK	CIRC	*
7601X	40.7	39.3	225	VC	CIRC	*
7601X	18.11	15.95	225	VC	CIRC	*
7602X	41.05	40.13	225	VC	CIRC	*
7602X	23.109	21.618	UNK	UNK	CIRC	*
7603X			UNK	UNK	CIRC	*
7603X			100	UNK	CIRC	*
7605X			UNK	VC	CIRC	
7606X			UNK	VC	CIRC	
760DX			UNK	VC	CIRC	
7650X	18.09	16.82	300	VC	CIRC	*
7650X	38.96		225	CP	CIRC	*
7651X	40.33		225	VC	CIRC	*
7651X	18.12	16.45	300	VC	CIRC	*
7652X			300	CO	CIRC	*
7652X	39.43	37.2	225	VC	CIRC	*
7653X	39.24	37.44	225	VC	CIRC	
7654X	39.69	38.27	225	VC	CIRC	
7655X	40.69	39.52	225	CP	CIRC	
7700X	17.95	14.1	525	CP	CIRC	*
7700X	41.58	40.36	225	VC	CIRC	*
7701X	28.249	26.769	150	UNK	CIRC	*
7701X	18.07	16.7	225	VC	CIRC	*
7750X	18.06		300	VC	CIRC	*
7750X	41.57	40.18	225	VC	CIRC	*
7751X	40.75	39.35	225	VC	CIRC	
7752X	40.89	39.48	225	VC	CIRC	
7753X	41.24	39.72	225	VC	CIRC	
7754X	41.47	39.94	225	VC	CIRC	
7756X	41.59	40.3	150	VC	CIRC	
7757X	42.07	41.37	150	VC	CIRC	
7800X	17.51	14.9	375	CP	CIRC	
7801X	32.06	30.56	UNK	UNK	CIRC	
8000X	18.31	16.29	300	CP	CIRC	
8001X	18.49	16.45	225	VC	CIRC	
8003X	18.37	16.2	375	CP	CIRC	
8050X	14.7	13.3	225	VC	CIRC	
8051X	15.17	13.86	375	CP	CIRC	
8052X	15.14	13.26	900	CP	CIRC	
8053X	15.09	13.24	900	CP	CIRC	
8100X	19.57	17.22	225	VC	CIRC	
8102X	19.88	18.23	225	VC	CIRC	
8103X	18.74	16.52	300	CP	CIRC	
8104X			UNK	UNK	CIRC	
810DX			225	VC	CIRC	
8150X	16.47	15.67	150	VC	CIRC	
8151X	16.42	15.22	225	VC	CIRC	
8152X	16.2	14.76	450	CP	CIRC	
8153X	15.46	14.06	525	CP	CIRC	
8154X	15.16	13.86	600	CP	CIRC	
8155X	15.4	13.61	900	CP	CIRC	
8156X	15.88	14.41	525	CP	CIRC	
8157X	16.18	14.81	525	CP	CIRC	
8200X	21.01	18.92	225	VC	CIRC	
8250X	16.85	15.38	225	VC	CIRC	
8251X	17.86	16.49	225	VC	CIRC	
8252X	19.52	17.55	450	CP	CIRC	
8300X	27.98	24.69	225	VC	CIRC	
8301X	28.11	25.06	225	VC	CIRC	
8302X	28.54	25.42	225	VC	CIRC	
8303X	23.1	20.78	225	VC	CIRC	
8304X	26.15	25.04	225	VC	CIRC	
8305X			UNK	UNK	CIRC	
8350X	22.06	19.82	225	VC	CIRC	
8351X	22	19.5	450	CP	CIRC	
8352X	23.62	20.41	375	CP	CIRC	
8400X	29.92	27.14	225	VC	CIRC	
8401X	17.572	15.89	150	VC	CIRC	
8403X			UNK	UNK	CIRC	
841DX			UNK	UNK	CIRC	
8450X	17.602	16.153	300	CO	CIRC	*
8450X	25.89	22.8	225	VC	CIRC	*
8451X	27.26	24.21	225	VC	CIRC	
8452X	27.78	25.75	225	VC	CIRC	
8453X	27.75	25.77	225	VC	CIRC	
8454X	27.47	23.58	375	CP	CIRC	
8500X	37.36	35.35	225	VC	CIRC	
8501X	35.27	32.62	225	VC	CIRC	
8502X	33.74	32.11	150	VC	CIRC	
8550X	34.64	32.71	225	VC	CIRC	*
8550X	18.24	14.883	450	CO	CIRC	*
8551X	33.74	32.04	225	VC	CIRC	*
8551X	18.034	14.958	450	CO	CIRC	*
8552X	32.12	30.88	225	VC	CIRC	*
8552X			UNK	UNK	CIRC	*
8553X	33.74	32.43	225	VC	CIRC	
8554X	35.15	33.73	225	VC	CIRC	
8555X	31.09	28.48	225	VC	CIRC	
8600X	37.33	35.34	225	VC	CIRC	
8602X	37.22	34.09	225	VC	CIRC	
8603X			UNK	UNK	CIRC	
8604X			UNK	UNK	CIRC	
8605X			UNK	UNK	CIRC	
8606X			UNK	UNK	CIRC	
860DX			UNK	UNK	CIRC	
8650X	35.88	33.73	225	VC	CIRC	
8651X	37.95	35.78	225	VC	CIRC	
8653X	37.13	35.93	225	VC	CIRC	
8700X	18.92	15.21	525	CP	CIRC	
8900X	18.62	14.96	525	CP	CIRC	
9000X	18.37	15.37	525	CP	CIRC	
9100X	19.49	17.09	225	VC	CIRC	
9101X	19.13	16.82	300	CP	CIRC	
9102X	18.78		525	CP	CIRC	
9103X			525	CP	CIRC	
9150X	15.92	14.14	600	CP	CIRC	
9200X	21.94	19.19	225	VC	CIRC	
9201X	20.72	18.15	225	VC	CIRC	
9202X	19.92	17.21	300	CP	CIRC	
9203X	19.76	17.02	300	CP	CIRC	
9204X	20.98	19.07	225	VC	CIRC	
9250X	16.71	14.51	600	CP	CIRC	
9251X	16.77	15.79	450	CP	CIRC	
9252X	17.09	16.07	225	VC	CIRC	
9300X	21.34	18.38	225	VC	CIRC	
9301X	23.06	21.21	225	VC	CIRC	
9302X	21.93	20.48	225	VC	CIRC	
9303X	25.63	23.12	225	VC	CIRC	
9304X	20.59	17.71	225	VC	CIRC	
9305X			150	VC	CIRC	
9306X			150	VC	CIRC	
9307X			UNK	UNK	CIRC	
930DX			UNK	UNK	CIRC	
931DX			150	VC	CIRC	
933DX			UNK	UNK	CIRC	
9350X	17.4	14.78	525	CP	CIRC	
9351X	17.65	16.53	225	VC	CIRC	
9352X	19.74	17.71	225	VC	CIRC	
9353X	17.85	16.11	225	VC	CIRC	
9354X	19.51	17.7	225	VC	CIRC	
9355X	18.45	17.39	225	VC	CIRC	
9356X	17.93		450	CP	CIRC	
9401X	22.47	19.45	225	VC	CIRC	
9402X	17.57	16.2	150	VC	CIRC	*
9402X	27.5	25.17	225	VC	CIRC	*
9403X	26.44	25.03	225	VC	CIRC	
9404X	17.838	16.163	150	VC	CIRC	*
9404X	26.97	23.97	225	VC	CIRC	*
9405X	27.13	25.93	225	VC	CIRC	
9406X			UNK	UNK	CIRC	
9407X			UNK	UNK	CIRC	
940DX	23.23	21.21	225	VC	CIRC	
9450X	19.73	17.76	375	CP	CIRC	*
9450X	17.68	15.87	300	CP	CIRC	*
9451X	21.96	19.54	225	VC	CIRC	
9455X	17.74	15.2	450	CP	CIRC	
9456X	17.61	15.26	450	CP	CIRC	
9457X	17.847	15.187	450	CO	CIRC	
9458X			UNK	CO	CIRC	
9459X			450	CO	CIRC	
9460X			UNK	UNK	CIRC	
9500X	18.21	16.41	150	VC	CIRC	
9501X	17.81	16.41	150	VC	CIRC	*
9501X	31.39	29.89	225	VC	CIRC	*
9502X	17.933	16.363	150	VC	CIRC	*
9502X	31.44	29.95	150	VC	CIRC	*
9503X	29.31	26.91	225	VC	CIRC	*
9503X	18.268	16.653	150	VC	CIRC	*
9504X	18.332	16.807	150	VC	CIRC	*
9504X	28.54	25.36	225	VC	CIRC	*
9505X	27.02	24.53	225	VC	CIRC	*
9505X	18.293	16.783	150	VC	CIRC	*
9506X			UNK	UNK	CIRC	*
9506X	26.4	23.9	225	VC	CIRC	*
9507X	32.96	30.94	225	VC	CIRC	
9508X			UNK	UNK	CIRC	*
9508X			UNK	UNK	CIRC	*
9509X			UNK	UNK	CIRC	
950DX			UNK	UNK	CIRC	*
950DX			UNK	UNK	CIRC	*
9510X			UNK	UNK	CIRC	
951DX			UNK	UNK	CIRC	
953DX			UNK	UNK	CIRC	
9550X	27.89	26.25	225	VC	CIRC	*
9550X	18.18	16.33	300	CP	CIRC	*
9551X	27.07	25.12	300	VC	CIRC	*
9551X	17.81	16.02	300	CP	CIRC	*
9552X	17.963	15.718	300	CO	CIRC	*
9552X	25.96	23.3	300	CP	CIRC	*
9553X	26.1	23.65	225	VC	CIRC	*
9553X	18.253	16.143	225	VC	CIRC	*
9554X	28.01	24.64	300	CP	CIRC	*
9554X	18.365	16.265	150	VC	CIRC	*
9555X	30.52	27.81	225	CP	CIRC	*
9555X	18.295	16.273	150	VC	CIRC	*
9556X	32.13	29.42	225	CP	CIRC	
9600X	21.25	19.27	150	VC	CIRC	
9601X	18.76	17.25	150	VC	CIRC	*
9601X	33.54	31.99	225	VC	CIRC	*
9602X	33.45	30.89	225	VC	CIRC	*
9602X			150	VC	CIRC	*
9603X	30.15		225	VC	CIRC	
961DX			UNK	UNK	CIRC	
964DX			UNK	UNK	CIRC	
9650X	21.21	19.47	225	VC	CIRC	*
9650X	27.47	25.93	225	VC	CIRC	*
9651X	29.12	27.31	150	VC	CIRC	*
9651X	19.13	16.69	225	VC	CIRC	*
9652X	31.3	29.61	225	CP	CIRC	*
9652X	18.81	16.43	300	CP	CIRC	*
9653X	35.24	33.04	225	VC	CIRC	*
9653X			225	VC	CIRC	*

LINE STYLES / COLOURS

Brown: Foul; Foul Syphon Sewer; Foul Vacuum Main; Foul Rising Main
Red: Combined; Combined Syphon Sewer; Combined Rising Main; Lateral Drain
Orange: Building Over Agreement Area
Dark Blue: Treated Effluent
Purple: Sludge; Sewer Catchment; Section 104 Area
Light Blue: Surface Water; Surface Water Rising Main
Yellow: Private
Green: Access Shaft; Decommissioned

MATERIALS

AK Alkathene; BAC Bonded Asbestos Cement; BRC Brick (Common); BRE Brick (Engineering); CC Concrete Box Culvert; CI Cast Iron; CO Concrete (In-Situ); CP Concrete (Pre-Cast); CSB Concrete Segments (bolted); CSU Concrete Segments (unbolted); DI Ductile Iron; GRC Glass Reinforced Concrete; GRP Glass Reinforced Plastic; MAC Masonry in regular Courses; MAR Masonry in random Courses; PE Polyethylene; PF Pitch Fibre; PP Polypropylene; PVC Polyvinyl Chloride; RPM Reinforced Plastic Matrix; SI Spun Iron; ST Steel; VC Vitrified Clay; XXX Other; ZZZ Unknown

LEGEND - SEWERS

Manhole (SW); Manhole (F&C); Lamp hole (SW); Lamp hole (F&C); Pumping Station (SW); Pumping Station (F&C); Side entry manhole (SW); Side entry Manhole (F&C); Blind shaft (SW); Blind shaft (F&C); Ejector station (SW); Ejector station (F&C); Watertight door (SW); Watertight door (F&C); Flushing ch. Mn-e (SW); Flushing ch. Mn-e (F&C); Flushing ch. No-e (SW); Flushing ch. No-e (F&C); Demarcation Chamber

Washout (SW); Washout (F&C); Rodding Eye (SW); Rodding Eye (F&C); Gauging point (SW); Gauging point (F&C); Intercept chamber (SW); Intercept chamber (F&C); Storm Tank (SW); Storm Tank (F&C); Vortex chamber (SW); Vortex chamber (F&C); Label ellipse; Dummy/S24 manhole; Outfall; Penstock chamber; Damboards; Storm Overflow; Backdrop manhole

Other (s); Other; Change in sewer (s); Change in sewer; Reflux valve; Flap valve; Cascade; Anode; Valve; Closed Valve; Air Valve; Hatch box (SW); Hatch box (F&C); Direction arrow; Emptying valve; Catchpit; Soakaway; Inlet; Balancing Pond

Wastewater treatment works; Marine treatment works; Outfall headworks; Vent; Vent column; Tidal storage tank; Blank end; Head of Public Sewer; Micro Pumping Station

SHAPES (S)

A Arched; R Rectangular; B Barrel; S Square; C Circular; T Trapezoidal; E Egg; U U Shape; H Horseshoe; X Other

NODE REFERENCING SYSTEM

1st digit: hundred metre easting identifier
2nd digit: hundred metre northing identifier
3rd digit: sewer type identifier; 0-4 = Foul/Combined; 5-9 = Surface Water
4th digit: next sequential node

O.S. Ref. SU7308SW	Drawn by: yadavsa
Scale: 1:2500	Date: 21/05/2018

Title: 293699_Land of Bartons Road, H

N

The information contained on this plan is provided as a guide to the approximate position of existing public sewers. The accuracy thereof cannot be guaranteed.

THIS INFORMATION MUST BE TREATED WITH CAUTION AND THE ACTUAL POSITION OF THE PUBLIC SEWERS MUST BE ESTABLISHED ON SITE, IN ALL CASES.

Southern Water must be informed before lifting manhole covers or excavating trial holes.

WARNING: BAC pipes are constructed of Bonded Asbestos Cement
WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement

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Southern Water

SEWER RECORDS

APPENDIX F

BRITISH TELECOM RECORDS

openreach

Our Ref: Ref shown on map

CHECKED

Date of issue: shown on map

email: nnhc@openreach.co.uk

Dear Customer,

NR & SW ACT 1991 – PROPOSED WORKS AT: ****SITE LOCATION****

Prior to commencement of work: For free onsite guidance and accurate up to date location of BT Apparatus please contact our Plant Protection Service by the following methods:-

Email the Click Before You Dig Team CBYD@openreach.co.uk
Visit the Click Before You Dig Website www.openreach.co.uk/cbyd

Thank you for your request of **/**/** describing the above proposals.

Enclosed are copies of our drawings marked up to show the approximate locations of BT apparatus in the immediate vicinity of your works. It is intended for general guidance only. No guarantee is given of its accuracy.

The drawings are valid for 90 days from the date of issue and should not be relied upon after this time period has expired.

When planning excavation work or other works near to BT apparatus, please be mindful our apparatus may exist at various depths and may deviate from the marked route.

To avoid damage it is recommended that mechanical excavators or borers are not used within 600mm of BT apparatus. If scaffolding is erected, please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by the scaffolding.

In the event of BT apparatus being in the area of your works we recommend that your plant/vehicle crossing is either resited, or apply for a budget estimate by submitting detailed plans to our Network Relocation Team at https://www.ournetwork.openreach.co.uk/altering-our-network.aspx

Yours faithfully,

Jason Carrington
NNHC & MBE Manager

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.

openreach

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbyd

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KEY TO BT SYMBOLS

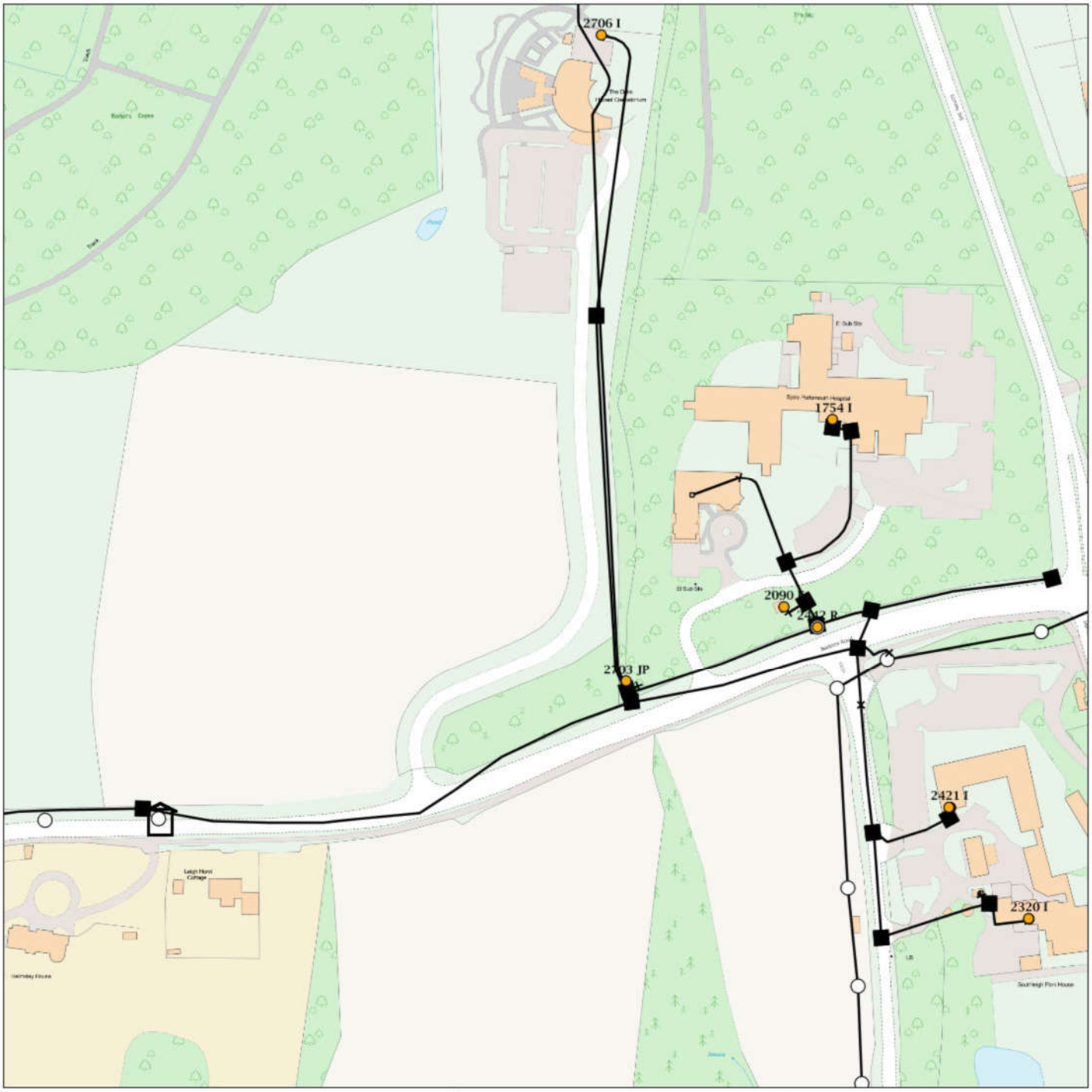
DP		Pole	
Planned DP		Planned Pole	
PCP		Joint Box	
Planned PCP		Change Of State	+
Built		Split Coupling	×
Planned		Duct Tee	▲
Inferred		Planned Box	
Building		Manhole	
Kiosk	K	Planned Manhole	
Hatchings		Cabinet	
		Planned Cabinet	

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

BT Ref : CLS07377H
Map Reference : (centre) SU7304908118
Easting/Northing : (centre) 473049,108118
Issued : 05/06/2018 07:37:42

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

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.

openreach

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbyd

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KEY TO BT SYMBOLS

DP		Pole	
Planned DP		Planned Pole	
PCP		Joint Box	
Planned PCP		Change Of State	+
Built		Split Coupling	×
Planned		Duct Tee	▲
Inferred		Planned Box	
Building		Manhole	
Kiosk	K	Planned Manhole	
Hatchings		Cabinet	
		Planned Cabinet	

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

BT Ref : CBN07371N
Map Reference : (centre) SU7349008127
Easting/Northing : (centre) 473490,108127
Issued : 05/06/2018 07:37:48

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

APPENDIX G
RESPONSES FROM OTHER UTILITY COMPANY

S, Darshan

From: Plantenquiries <plantenquiries@catelecomuk.com>
Sent: 23 May 2018 18:23
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Please Note: Our search criteria has changed. We previously searched for Colt Network which was within 200 metres, this has now changed to 50 metres. The negative response will be for all enquiries that the network is 50 metres or more away from the place of enquiry.

Dear Sir/Madam,

Thank you for your enquiry for the above reference.

We can confirm that Colt Technology Services do not have apparatus near the above location as presented on your submitted plan, if any development or scheme amendments fall outside the 50 metre perimeter new plans must be submitted for review.

Search is based on Overseeing Organisation Agent data supplied; we do not accept responsibility for O.O. Agent inaccurate data.

If we can be of any further assistance please do not hesitate to contact us.

Kind regards,

Plant Enquiry Team

C.A. TELECOM UK LIMITED

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This e-mail and any files transmitted with it are confidential and are intended solely for the use of the intended recipient(s). If you are not the intended recipient, you must not copy, distribute or take any action based on this communication. If you have received this communication in error please contact plantenquiries@catelecomuk.com and delete this communication and any copies of it. Any views or opinions presented are solely those of the author and do not necessarily represent those of C A Telecom LTD. C A Telecom LTD monitors e-mails to ensure that its systems operate effectively and to minimise the risk of viruses.

From: Bhaskar, Aditya [mailto:Aditya.Bhaskar@atkinsglobal.com] **On Behalf Of** Utility Solutions GDC Requests
Sent: 17 May 2018 13:09
To: Plantenquiries <plantenquiries@catelecomuk.com>; plantenquiries@energetics-uk.com; enquiries@environment-agency.gov.uk; plantenquiries@instalcom.co.uk;

We have checked CityFibre's website and in this instance your area is not affected.

S, Darshan

From: Plant Enquiries <plantenquiries@energetics-uk.com>
Sent: 22 May 2018 15:06
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Dear Sir/Madam,

Thank you for submitting your recent plant enquiry.

Based on the information provided, I can confirm that Energetics **does not** have any plant within the area(s) specified in your request.

If you require further assistance with outstanding enquiries, please call 03300 587 443.

Please ensure all plant enquiries are sent to plantenquiries@energetics-uk.com

Regards

Plant Enquiries

E: plantenquiries@energetics-uk.com
W: www.energetics-uk.com

energetics
WE DESIGN • WE BUILD • WE CONNECT

From: Bhaskar, Aditya <Aditya.Bhaskar@atkinsglobal.com> **On Behalf Of** Utility Solutions GDC Requests
Sent: 17 May 2018 13:09
To: plantenquiries@catelecomuk.com; Plant Enquiries <plantenquiries@energetics-uk.com>; enquiries@environment-agency.gov.uk; plantenquiries@instalcom.co.uk; opburiedservicesenquiries@networkrail.co.uk; interoute.enquiries@plancast.co.uk; nrswa@sky.uk; osp-team@uk.verizon.com; National Plant Enquiry's <OSM.enquiries@atkinsglobal.com>; assetrecords@utilityassets.co.uk
Subject: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Our Reference: 65279
Site Name: Land of Bartons Road, Havant
Works Description: Utility Works
Site Grid References: 473319 108123,473554 108323,473017 107918,473425 108328

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

We request plans showing the location of your company's affected plant in relation to the entire site area shown within the boundary on the attached map. Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.

On 23/05/2018 Interoute Vtesse's plant information system was checked to ascertain if your area of interest is affected by Interoute Vtesse plant. In this instance your area of interest was shown to be 'not affected' by Interoute Vtesse plant.

No liability of any kind whatsoever is accepted by Landmark Information Group, its servants or agents, for any error or omission in respect of information contained in this report. The underground services must be verified and established on site before any excavation is carried out.

S, Darshan

From: Interoute Enquiries <interoute.enquiries@plancast.co.uk>
Sent: 17 May 2018 18:26
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

This response does not include Vtesse or Easynet plant, please continue to use Vtesse or Easynet details for their enquiries

To whom it may concern

Thank you for your enquiry regarding the above proposals at the above location

We would advise that we are unaware of any Interoute plant or services in this Location as indicated in your enquiry.

We bring to your attention the fact that whilst we try to ensure the information we provide is accurate, the information is provided Without Prejudice and Interoute and its Agents accept no liability for claims arising from any inaccuracy, omissions or errors contained in this response.

All responses are only vaild for 28 days

Yours faithfully

PLANCAST Plant Enquiry Department

The Old Haybarn
Rosebery Mews, Mentmore
Bedfordshire LU7 0UE

T: 01296 662647
www.plancast.co.uk

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Registered office: 1st Floor, The Old Haybarn, Rosebery Mews, Mentmore LU7 0UE.
Registered in England and Wales with number 4455025 VAT No. 8567 195 80

From: Bhaskar, Aditya <Aditya.Bhaskar@atkinsglobal.com> **On Behalf Of** Utility Solutions GDC Requests
Sent: 17 May 2018 13:09
To: plantenquiries@catelecomuk.com; plantenquiries@energetics-uk.com; enquiries@environment-agency.gov.uk; plantenquiries@instalcom.co.uk; opburiedservicesenquiries@networkrail.co.uk; Interoute Enquiries



We have checked Trafficmaster’s website and in this instance your area is not affected.

S, Darshan

From: UK OSP-Team <osp-team@uk.verizon.com>
Sent: 18 May 2018 13:22
To: Utility Solutions GDC Requests
Cc: UK OSP-Team
Subject: RE: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Dear Sir/Madam

Verizon is a licensed Statutory Undertaker.

We have reviewed your plans and have determined that Verizon (Formally known as MCI WorldCom, MFS) has no apparatus in the areas concerned.

If you have any further queries please do not hesitate to get in touch.

Yours faithfully

Plant Protection Officer (GB) Email osp-team@uk.verizon.com

From: Utility Solutions GDC Requests [mailto:requests.utilitysolutions@atkinsglobal.com]
Sent: 17 May 2018 13:09
To: plantenquiries@catelecomuk.com; plantenquiries@energetics-uk.com; enquiries@environment-agency.gov.uk; plantenquiries@instalcom.co.uk; opburiedservicesenquiries@networkrail.co.uk; interoute.enquiries@plancast.co.uk; nrswa@sky.uk; UK OSP-Team; National Plant Enquiry's; assetrecords@utilityassets.co.uk
Subject: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Our Reference: 65279
Site Name: Land of Bartons Road, Havant
Works Description: Utility Works
Site Grid References: 473319 108123,473554 108323,473017 107918,473425 108328

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

We request plans showing the location of your company's affected plant in relation to the entire site area shown within the boundary on the attached map. Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.

Within your response please quote our reference number and the name of the site shown above. If you do not have any apparatus in this area, please could you send written confirmation to declare that no apparatus is affected. Please also include information relating to the use and location of Radio Frequency Identification Devices (RFIDs) where available.

It would be greatly appreciated if you could respond to this enquiry by 05/06/2018. Your prompt response will assist with our clients proposals in your interests of plant protection.

Enquiry Confirmation

LSBUD Ref: 12860730

Date of enquiry: 17/05/2018
Time of enquiry: 12:50

Enquirer

Name	Ms Christina Elliott	Phone	01454 662397
Company	Atkins	Mobile	Not Supplied
		Fax	Not Supplied
Address	500 Park Avenue Aztec West Almondsbury Bristol BS32 4RZ		
Email	stat.enquiries@atkinsglobal.com		
Notes	Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.		

Enquiry Details

Scheme/Reference	LM 65279/AB		
Enquiry type	Initial Enquiry	Work category	Utility Works
Start date	05/06/2018	Work type	Single excavation site
End date	05/09/2018	Site size	268775 metres square
Searched location	XY= 473320, 108110	Work type buffer*	25 metres
Confirmed location	473310 108071		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



V3.3.2 Contains Ordnance Survey data © Crown copyright and database right 2016

Enquiry Confirmation

LSBUD Ref: 12860730

Date of enquiry: 17/05/2018
Time of enquiry: 12:50

LSBUD Members who have assets registered on the LSBUD service within the vicinity of your search area.

List of affected LSBUD members			
Asset Owner	**Phone/Email**	**Emergency Only**	**Status**
SGN	08009121722	0800111999	Await response

LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD Members make regular changes to their assets and this list may vary for new enquiries in the same area.

List of not affected LSBUD members		
AWE Pipeline	Gateshead Energy Company	Prysmian Cables & Systems Ltd (c/o Western Link)
BOC Limited (A Member of the Linde Group)	Gigaclear PLC	Redundant Pipelines - LPDA
BP Exploration Operating Company Limited	Gtt	RWEnpower (Little Barford and South Haven)
BPA	Humbly Grove Energy	SABIC UK Petrochemicals
Carrington Gas Pipeline	IGas Energy	Scottish Power Generation
CATS Pipeline c/o Wood Group PSN	INEOS FPS Pipelines	Seabank Power Ltd
Cemex	INEOS Manufacturing (Scotland and TSEP)	Shell (St Fergus to Mossmorran)
Centrica Storage Ltd	INOVYN Enterprises Limited	Shell Pipelines
CLH Pipeline System Ltd	Intergen (Coryton Energy or Spalding Energy)	SSE (Peterhead Power Station)
Concept Solutions People Ltd	Mainline Pipelines Limited	Tata Communications (c/o JSM Construction Ltd)
ConocoPhillips (UK) Ltd	Manchester Jetline Limited	Total (Colnbrook & Colwick Pipelines)
DIO (MOD Abandoned Pipelines)	Manx Cable Company	Total Finaline Pipelines
E.ON UK CHP Limited	Marchwood Power Ltd (Gas Pipeline)	Transmission Capital
EirGrid	Melbourn Solar Limited	UK Power Networks
Electricity North West Limited	National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	Uniper UK Ltd
ENI & Himor c/o Penspen Ltd	Northumbrian Water Group	Vattenfall
EnQuest NNS Limited	NPower CHP Pipelines	Veolia ES SELCHP Limited
EP Langage Limited	Oikos Storage Limited	Western Power Distribution
ESP Utilities Group	Ørsted	Westminster City Council
ESSAR	Perenco UK Limited (Purbeck Southampton Pipeline)	Wingas Storage UK Ltd
Esso Petroleum Company Limited	Petroineos	Zayo Group UK Ltd c/o JSM Group Ltd
Fulcrum Pipelines Limited	Phillips 66	
Gamma	Premier Transmission Ltd (SNIP)	

CHECKED

S, Darshan

From: Plantenquiries <Plantenquiries@instalcom.co.uk>
Sent: 22 May 2018 14:55
To: Utility Solutions GDC Requests
Subject: E05-18-3868 RE: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018
Attachments: 65279 - Bartons Road, Havant.pdf; Guide To Excavation.pdf; CenturyLink - Instalcom Nominated Agent Letter 21.02.2018.pdf

Dear Sir or Madam,

With reference to your enquiry regarding the above noted location, we enclose the drawings on behalf of CenturyLink Communications UK Limited (formerly Level 3) indicating the approximate position of services in this area.

If you need access to the railway / underground lines as part of your works could you please contact Peter Walton (peter.walton@centurylink.com) for further information about the location of this equipment.

We would draw your attention to the fact that while the position of the plant has been shown as accurately as possible, the information is intended as a general guide only and must not be relied upon in the event of any excavations or other work in the vicinity. **We would remind you that the onus remains on you to determine the exact position for example by a hand excavated trial hole.** Instalcom accepts no liability for claims arising from any inaccuracy, omissions or errors contained herein. If you would like to query the location further, please email us accordingly and we can arrange an in depth survey, which will be charged at a cost. Enclosed is a guide to excavation works around existing plant.
Instalcom responds to plant enquiries for CenturyLink (formerly LEVEL 3), GLOBAL CROSSING (UK) LTD, GLOBAL CROSSING PEC and FIBERNET UK LTD and FIBRESPAN LTD simultaneously and therefore you only need send one copy of a plant enquiry to cover all of these companies.

If you require any further information, please do not hesitate to contact me.

Regards

Plant Enquiries Dept
Instalcom Limited
Borehamwood Ind. Park
Rowley Lane
Borehamwood
WD6 5PZ

Office: +44 (0)208 731 4613
Fax: +44 (0)208 731 4601
Email: plantenquiries@instalcom.co.uk
Web: http://www.instalcom.co.uk



Google earth

feet 2000

meters 800

SPECIAL REQUIREMENTS IN RELATION TO CENTURYLINK PLANT

1. In this special requirement, the following terms shall have the meanings assigned to it:-

   a. "Company" means CenturyLink.

   b. "Company Representative" means the staff of CenturyLink or its Authorized Representatives and Agents.

   c. "Apparatus" means all surface or sub-surface equipment and plant including any associated cabling and/or ducting owned leased or rented by CenturyLink.

2. Before commencing any work or moving heavy plant or equipment over any portion of the site, the contractor shall confirm details of the Apparatus, owned, leased or rented by the Company, within the site with the Company Representative, who can be contacted at the following point: -

Instalcom Limited
Borehamwood Industrial Park
Rowley Lane
Borehamwood
Hertfordshire
WD6 5PZ
Tel: 0208 731 4600
Fax: 0208 731 4601
E-mail: plantenquiries@instalcom.co.uk

3. Where such details show that the works or the movement of plant or equipment may endanger the Apparatus of the Company the Contractor must give the Company Representative at least 7 days written notice of the date on which it is intended to commence such works of the movement of plant and equipment in order that the presence of any sub-surface apparatus can be indicated by markers to be supplied by the Company and placed by the Contractor under the supervision of a Company Representative. The Contractor shall ensure that all Company Apparatus, particularly surface running cabling is adequately protected from damage and such protective measures shall be approved by the Company Representative.

4. In the event of a Company marker being disturbed for any reason, it shall not be replaced other than in the exact position of its former depth unless the repositioning is carried out at the direction and under the supervision of a Company Representative.

5. The Contractor shall take particular care in relation to the protection of Company Apparatus, where such Apparatus includes the presence within the site of optical fibre cabling. The contractor should particularly note that the damage to such Apparatus is extremely disruptive to the Company network and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Company Apparatus more than is absolutely necessary for the completion of the works in accordance with the contract.

6. When excavating around, moving or backfilling around Company Apparatus, the Company Representative shall be given adequate notice, which shall not be less than 3 days, of the contractor's intentions in order that he may supervise the works. The Contractor should note that the normal depth of cover for Company Apparatus and ducts are as follows: -

   a. Carriageways 600mm
   b. Footways 350mm
   c. Verges 450mm

These minimum depths of cover should be maintained wherever possible.

Where the minimum depths of cover cannot be maintained, the Contractor shall carry out the instructions of the Company Representative for the protection of Company Apparatus.

Where cables are not in duct and the required depth of cover cannot be maintained, such cables as are affected shall be enclosed and protected in UPVC duct or equivalent materials as supplied by the Company and by the method directed by the Company Representative.

With regard to excavation in the vicinity of Company Apparatus the Contractor should have particular regard to the possibility of reduced cover and the encountering of such Company Apparatus at depths of cover less than that given at **a, b and c above**.

7. All excavation adjacent to Company Apparatus is to be carried out by hand until the exact extent and/or location of Company Apparatus is known. Mechanical borers and/or excavators shall not be used within 1.0m of Company Apparatus without the supervisory presence of a Company Representative, to prevent any movement of Company Apparatus during excavations, complete shuttering shall be used as directed by the Company Representative if:-

   a. Excavation is deeper than the depth of cover of adjacent Company Apparatus.

   b. Excavation is within 1.0m of Company Apparatus in stable ground.

   c. Excavation is within 5.0m of Company Apparatus in unstable ground.

   If for the completion of the works, the Contractor intends using any of the following: -

   a. Pile driving equipment within 10.0m of Company Apparatus.

   b. Explosives within 20.0m of Company Apparatus.

   c. Laser equipment within 10.0m of Company Apparatus.

   The Contractor shall advise the Company Representative, giving at least 7 working days written notice in order that any special protective measure for the Company Apparatus affected may be arranged.

8. All Company manhole, joint box and /or other access points and chambers within the site shall be kept clear and unobstructed. Access for vehicles, winches, cable drums and/or further equipment required by the Company for the maintenance of it's Apparatus, must be maintained at all reasonable times. The Contractor should particularly note that footway type jointing chambers are not specified for carriageway loadings and will need to be adequately protected and/or demolished and rebuilt under the supervision of a Company Representative where such chambers are likely to be placed at risk, either temporarily or permanently, from the movement of plant and/or equipment on the site.

9. The covers to Company chambers and/or Apparatus shall only be lifted by means of appropriate keys obtained from the Company Representative and under the direct supervision of the Company Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any chamber and/or Apparatus of the Company unless under the supervision of the Company Representative and in any case not before the mandatory gas check has been carried out in the presence of the Company Representative and such checks have shown it to be safe to enter the chamber and/or Apparatus of the Company.

   The Company Representatives shall be given reasonable access to all Company Apparatus and chambers when required.

10. In the event of any damage whatsoever to Company Apparatus, the Contractor shall immediately inform the Company Representative and report the occurrence immediately by contacting the Company as follows:-

Telephone:-

0208 731 4600
Mon-Fri Office Hours (Instalcom Head Office)

0845 330 8615
Out of Office Hours / Weekends

11. The above requirements do not relieve the Contractor of any of his obligations under the Contract.

The accuracy of information on the plans cannot be guaranteed and no liability can be accepted for errors or omissions.

Damage to Communications Plant is Expensive – Please Take Care.

CenturyLink®

To whom it may concern (Applicant)

Date as postmark

Re: On Rail Plant Protection and Diversionary Works.

History

CenturyLink Communications UK Limited ("CenturyLink") has leased from Network Rail PLC ("Network Rail") telecommunications cabling lying alongside the railway track throughout the United Kingdom, under a Finance Lease dated 30 June 1994.

CenturyLink has run cables on the railway infrastructure throughout the UK under the provision of the Network Rail Deed of Grant dated 31 March 1995.

CenturyLink has two wayleave agreements with London Underground Limited to lay Fibre Optic cables in the London Underground environment dated 30th March 1994 and 24th April 1998.

CenturyLink has a wayleave agreement with Serco and Docklands Light Railway to lay Fibre Optic cables alongside the Docklands Light Railway dated 18th March 2011

CenturyLink has an agreement with City, Greenwich, Lewisham Rail Link PLC to lay cabling along the Lewisham extension of the Docklands Light Railway dated 11th February 2002.

Application

The Applicant is proposing to undertake civil engineering works on the On Railway infrastructure (either Network Rail, London Underground Limited and Docklands Light Railway) and has requested CenturyLink to divert cabling so that the civil engineering works may proceed, and also has requested CenturyLink on completion of the civil engineering works to replace such cabling along its original route.

Please be advised that with effect from 1st June 2011 CenturyLink has engaged a nominated Agent to deal with all On Rail Plant Protection and Diversionary Works on CenturyLink's behalf.

This will cover enquiries for and from the following list of CenturyLink group companies:

CENTURYLINK COMMUNICATIONS UK LIMITED
CENTURYLINK COMMUNICATIONS EUROPE LIMITED

CenturyLink Communications UK Limited. Registered office: 7TH Floor, 10 Fleet Place, London EC4M 7RB, United Kingdom. Registered in England and Wales, Company registration No. 02495998.

CenturyLink®

LEVEL 3 COMMUNICATIONS LIMITED

The nominated Agent and contact details for Instalcom are:

Instalcom Ltd
Borehamwood Ind Park
Rowley Lane, Borehamwood
WD6 5PZ, UK

Paul Alderton
paul.alderton@instalcom.co.uk
Office: +44 208 731 4600
Mobile: +44 7831 842772

The Applicant is required to liaise with the nominated Agent in order to make arrangements for the carrying out of the On Rail Plant Protection and Diversionary Works.

The nominated Agent is further authorised to collect all relevant costs associated with the On Rail Plant Protection and Diversionary Works.

The nominated Agent shall be liable for any and all charges levied against CenturyLink if the nominated Agent (including its employees, agents or sub-contractors) has acted fraudulently or negligently or breaches the authority given to it by CenturyLink for the purposes of the carrying out of the On Rail Plant Protection and Diversionary Works.

For and on behalf of CenturyLink Communications UK Limited: -

Signed..Scott C. Pearce.. Print..SCOTT C. PEARCE..

Title: ..ASSOCIATE GENERAL COUNSEL.. Date..21 FEBRUARY 2018..

S, Darshan

From: Enquiries, Unit <enquiries@environment-agency.gov.uk>
Sent: 18 May 2018 15:15
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Dear Customer,

You may need an environmental permit if you intend to carry out work in, under, over or near to a main river flood or sea defence. You can find more information about this at:

https://www.gov.uk/guidance/flood-risk-activities-environmental-permits

Although the Environment Agency is classed as a statutory undertaker for certain purposes, we do not generally have plant equipment or pipelines situated in the public highway.

We have drafted this reply without conducting a specific search of our records. We ask that you make the necessary checks and if you have reason to think that your proposal will affect land or equipment which we own or is close to a watercourse as defined above, please resubmit your enquiry making this clear in your reply.

Kind Regards

Paul Norris

Environment Agency - Incident Communication Service
Part of National Operations

* Mail To: incident_communication_service@environment-agency.gov.uk
(Incident Hotline: 0800 807060
7 Fax: 0800 5876032
: Web Site: www.gov.uk/environment-agency
Environment Agency, Quadrant 2, 99 Parkway Ave, Parkway Business Park, Sheffield, S9 4WG

Click an icon to keep in touch with us:-



From: Bhaskar, Aditya [mailto:Aditya.Bhaskar@atkinsglobal.com] **On Behalf Of** Utility Solutions GDC Requests
Sent: 17 May 2018 13:09
To: plantenquiries@catelecomuk.com; plantenquiries@energetics-uk.com; Enquiries, Unit <enquiries@environment-agency.gov.uk>; plantenquiries@instalcom.co.uk; opburiedservicesenquiries@networkrail.co.uk; interoute.enquiries@plancast.co.uk; nrswa@sky.uk; osp-team@uk.verizon.com; National Plant Enquiry's <OSM.enquiries@atkinsglobal.com>; assetrecords@utilityassets.co.uk
Subject: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Our Reference: 65279
Site Name: Land of Bartons Road, Havant
Works Description: Utility Works
Site Grid References: 473319 108123,473554 108323,473017 107918,473425 108328

To whom it may concern,

Standard notice *[not for use with Special Data, Personal Data or unlicensed 3rd party rights]*

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- ensure that you do not mislead others or misrepresent the Information or its source or use the Information in a way that is detrimental to the environment, including the risk of reduced future enhancement
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- internal use for any purpose, or offering a product or service based on the Information for indirect commercial advantage, by an organisation that is primarily engaged in trade, commerce or a profession.

CHECKED

S, Darshan

From: plantenquiryservice@gtc-uk.co.uk
Sent: 17 May 2018 17:25
To: Utility Solutions GDC Requests
Subject: GTC Plant Enquiry - Ref- 686993
Attachments: 686993.png; GU-DPR-IG-0022 Safe working in the vicinity of utility networks.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Warning: GTC Apparatus Exists in This Area

Our Plant Enquiry Service Ref: 686993
Your Enquiry Ref: LM 65279/AB

Dear Chrissy,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. For your records, the search area is shown in the attached map.

Please click on the links below to download copies of the relevant utility asset drawings locating our assets in the area which you identified. These drawings are grouped by our relevant network reference, should you need to contact us regarding any of our networks please quote this reference. Links to files will remain live for 10 days. If you do not download these files within this period you will need to submit a new enquiry – this will ensure you have an up-to-date copy of our asset records.

PLEASE NOTE: Where drawings are large, these have been provided in smaller segments. A drawing index is provided as the first file listed for each network reference (example of a network reference: N1234567) shown below. This is intended to help you find the drawing relevant to you more quickly. Please take care to ensure that you use the relevant drawings for every network listed below as we may have multiple networks and multiple utilities in this area.

N9007013

Gas

- N9007013-1_1_of_1.png

N9007804

Gas

- N9007804-1_1_of_1.png

This information is for guidance only and the precise position of the plant must be established, prior to your works, using hand-digging methods only. The contractor will be held responsible for any damage caused to our asset. Please note our assets now include those owned and operated by:

- GTC Pipelines Limited
- Independent Pipelines Limited
- Quadrant Pipelines Limited

- Electricity Network Company Limited
- Independent Power Networks Limited
- Independent Water Networks Limited
- Independent Fibre Networks Limited
- Independent Community Heating Limited

If you have any queries or require any further information please do not hesitate to contact us.

All works in the vicinity of our networks should be undertaken in accordance with the attached document "GU-DPR-IG-0022: Safe working in the vicinity of utility networks". Reference should also be made to HSG47 Avoiding Danger from Underground Services.

Important: The area of your proposed works may contain gas mains operating at Medium and Intermediate Pressure tiers or electric cables operating at High Voltage – please refer to the network drawings included with this email. If your proposed works are likely to involve excavation within 10 metres of any of these assets, including but not limited to gas governors and electric substations you MUST inform GTC Plant Enquiries by calling 01359 240363 and quoting your Plant Enquiries Service Reference number.
Important: Drawings provided by this service may include utility assets not owned or managed by GTC. Conversely our drawings will NOT display assets from all third parties. It is your responsibility to ensure you have requested information from all utility asset owners.

Gas Escape or Damage MUST be reported on 0800 111 999. National Grid / DNGT will attend to make safe and repair.
Electricity Network Damage MUST be reported to ENC on 0800 032 6990.
Water Network Damage MUST be reported to IWNL on 02920 028 711
Fibre Network Damage MUST be reported to IFNL on 0845 051 1669

Thank you for using the GTC Plant Enquiries Service.

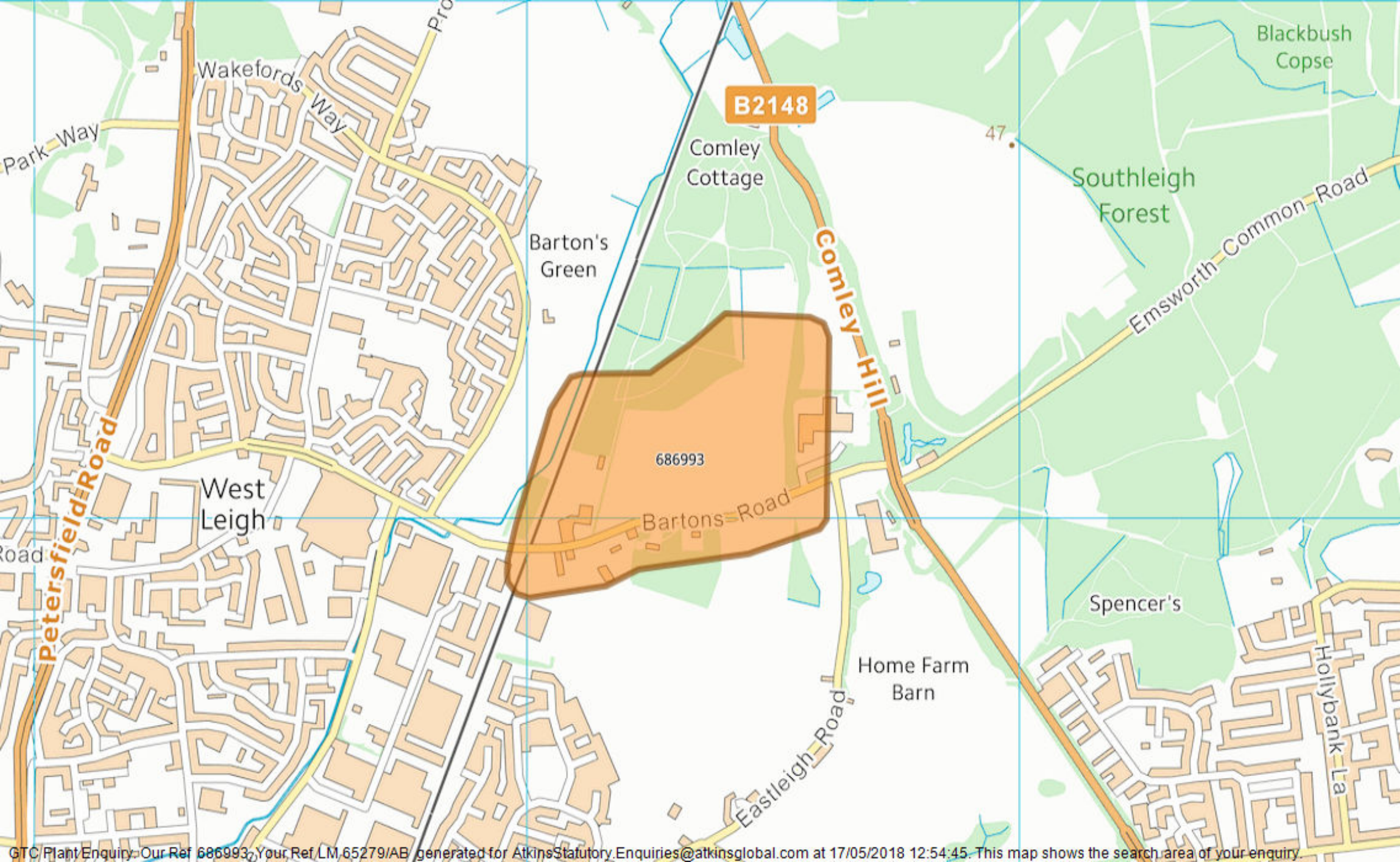
Your sincerely,

GTC Plant Enquiry Service

GTC
Energy House
Woolpit Business Park
Woolpit
Bury St Edmunds
Suffolk, IP30 9UP
Tel: 01359 240363
plant.enquiries@gtc-uk.co.uk

NOTE:
This E-Mail originates from GTC, Energy House, Woolpit Business Park, Woolpit, Bury St Edmunds, Suffolk, IP30 9UP
VAT Number: GB688 8971 40. Registered No: 029431.

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Thank you



GTC Plant Enquiry: Our Ref 686993, Your Ref LM 65279/AB generated for AtkinsStatutory.Enquiries@atkinsglobal.com at 17/05/2018 12:54:45. This map shows the search area of your enquiry.

DUAL LAY PROJECT

SMART METERS TO BE INSTALLED

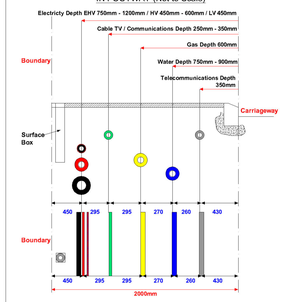
BGNHC CONSTRUCTION DRAWING

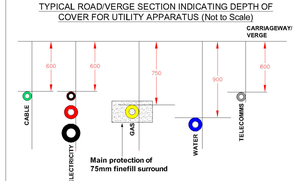
IMPORTANT NOTICE

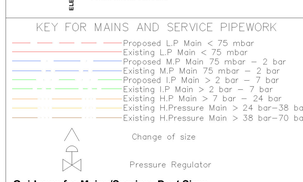
THIS SITE OPERATES AT LOW PRESSURE











NOTES

CDM STATEMENT

Any information given on this construction drawing must be used only in conjunction with the Construction Health and Safety Plan prepared by the Principal Designer and Principal Contractor. The Principal Contractor must be consulted before any construction work commences. Any changes in design, or conditions arising or information becoming known at a later date that may adversely impact upon the health and safety of any person, must be notified to the Principal Designer and Principal Contractor as soon as possible.

Reference shall be made to the BGNHC Safe System of Work document sent with this construction drawing.

IMPORTANT NOTE RELATING TO CONTAMINATED GROUND

SHOULD THIS SITE HAVE A HISTORY OF SOIL CONTAMINATION PLEASE LIAISE WITH THE SITE MANAGER TO IDENTIFY POTENTIAL HAZARDS BEFORE STARTING WORK.

The developer must ensure the bedding, backfill and surround to all gas mains and services is clean imported material such that installation of new pipework and future pipework maintenance is in clean, inert soil. The developer must be able to support evidence of backfill being clean and inert by the provision of a contamination validation certificate.

The developer must ensure appropriate precautions have been taken to protect construction workers. Good standards of hygiene and appropriate PPE and health and safety procedures must be followed.

IMPORTANT INFORMATION RELATING TO GAS METER POSITIONS AND CHOICE OF METER BOXES

Gas meter positions shown are indicative only.

Semi concealed/Universal meter boxes shall not:

- Obstruct footpaths
- Passageways
- Drives
- Be a trip hazard

For these types of box attention must be paid to ensuring the box is fitted correctly in relation to finished ground levels.

Built-in/Cavity and Surface Mounted meter boxes must be installed in accessible locations.

For all meter box types any position where damage could occur, especially from vehicles, shall be avoided.

Premises with 2 or more floors above the ground floor should not have meters sited on or under the stairway, or in any other part of the premises where the stairway forms the sole means of escape in case of fire.

IMPORTANT INFORMATION RELATING TO DIVERSIONS/ALTERATIONS TO EXISTING PLANT

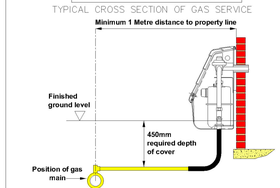
Works specifically excludes any works by British Gas for the diversion, alteration or making dead of any National Grid or other IDN/GT owned gas distribution infrastructure on the site.

IF YOUR ARE IN ANY DOUBT CONCERNING THE INFORMATION PROVIDED ABOVE THEN PLEASE SEEK ADVICE.

Guidance for Mains/Services Duct Sizes

Pipe Size for PE Pipe	Minimum Duct Size for Services Insertion
< 32mm	60mm (yellow perforated)
63mm	100mm
90mm	150mm
125mm	200mm
180mm	250mm

ALL MAINS MDPE:
90mm and above: SDR 17.6
63mm SDR 11



MATERIAL SPECIFICATION FOR LOW PRESSURE & MEDIUM PRESSURE PE MAINS

PIPE & FITTINGS

PE 80 (MDPE) pipes and fittings to Gas Industry Standard (formally National Grid Specifications):

GIS/PL2:2006 Specification for polyethylene pipes and fittings for natural gas and suitable manufactured gas
Part 2: Pipes for use at pressures up to 5.5 bar
Part 4: Fusion fittings with integral heating element(s)
Part 6: Spigot end fittings for electrofusion and/or butt fusion purposes

GIS/PL3:2006 Specification for self-anchoring mechanical fittings for natural gas and suitable manufactured gas

GIS/F2:2006 Specification for main sealing plugs and service connection fittings for use at pressures not greater than 2 bar

GIS/V4:2007 Specification for service isolation valves up to 50mm diameter for use up to 7 bar maximum operating pressures

GIS/V7:2006 Specification for distribution valves
Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar
Part 2: Plastics bodied valves of sizes up to and including 180mm suitable for operation at pressures not exceeding 5.5 bar

DUCTING PROVISION FOR GAS MAIN/SERVICE ROAD CROSSINGS

Important: Ducting can only be used for perpendicular carriageway crossings.

Only one pipe is allowed per duct. For Service Pipe the duct must be yellow and perforated along it's entire length.

Note: BS4692 is a suitable standard for plastic ducting.

The table below provides information on duct sizes

PE PIPE SIZE	MINIMUM DUCT SIZE
< 32mm	60mm (yellow perforated)
63mm	100mm
90mm	150mm
125mm	200mm
180mm	250mm

MATERIAL SPECIFICATION FOR METERS / METER FITTINGS

BS EN 1359 or BS 4161-3,5 - Diaphragm meters

BS EN 12480 or BS 4161-6 - Rotary Displacement meters

BS EN ISO 10380 - Corrugated metal hoses and hose assemblies.

Institution of Gas Engineers PRS3/E - Meter regulators for gas flows not exceeding $6m^3/h$ inlet pressures less tha n 75 mbar, 2004.

Institution of Gas Engineers PRS6/E Semi-rigid and flexible meter connectors, 2004.

BS EN 88, BS EN 334 or PRS33/E - Regulators for non domestic installations shall conform to these standards.

Domestic meter installations: To be installed in accordance with the requirements of 'BS 6400 Part 1 - Specification for installation, exchange, relocation and removal of gas meters with a capacity not exceeding $6m^3/h$.

Non Domestic meter installations:
To be installed in accordance with the requirements of 'IGEM/GM/6 Non-domestic meter installations. Standard designs'. In particular reference shall be made to Section 9: Component Specification and Appendix 5 for detailed material specifications.



Network or part thereof to be owned and operated by the GTC Pipelines Limited on commissioning Network: N9007013-1

Design and constructed by:

British Gas
30 The Causeway
Staines
Middlesex
TW18 3BY

Tel No: 0800 072 5320

Design Copyright © British Gas

REVISION NOTES

Date	REV No	Details of Revision	Revised by	Approved by
06/02/2018	A2	Revised mains layout outside plots 1- 6	MB	PM

REVISION NOTES

Date	REV No	Details of Revision	Revised by	Approved by
00/00/2015	A--	Details	Name	Name

MAJOR VARIATIONS INDICATOR

Date	Description of Variation	Approved by	Variation recorded on drawing (delete as appropriate)
00/00/2015	Variation Details	Name	YES NO

MINOR VARIATIONS INDICATOR

Date	Description of Variation	Approved by	Variation recorded on drawing (delete as appropriate)
5/7/17	New meter / service positions to plots 8 , 10-11	c joyce	YES

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The information shown upon this plan is given without obligation or warranty, the accuracy thereof cannot be guaranteed. Where service pipes are not shown their presence should be anticipated. No liability of any kind whatsoever is accepted by British Gas or its agents or servants for any error or omission. The actual position of mains and services must be verified and established before any mechanical plant is used or excavation undertaken.

DO NOT SCALE OFF THIS DRAWING

CLIENT Linden Homes Southern

PROJECT

Plots 1-55 Bartons Road, Havant, Hampshire PO9 5NA

TITLE: GAS LAYOUT

DATE:	SCALE:
19/11/2015	1:500
DESIGNED BY: Mark Borges	**DRAWN BY:** Mark Borges
APPROVED BY: Paul Mason	
DRAWING NO: PPS62712-A2-001	**SHEET SIZE:** A1

GTC Plant Enquiry. Our Ref 686993, Your Ref LM 65279/AB generated for AtkinsStatutory.Enquiries@atkinsglobal.com at 17/05/2018 12:54:45. This drawing is reproduced from our records archive at the time of enquiry.

BGNHC CONSTRUCTION DRAWING

IMPORTANT NOTICE

THIS SITE OPERATES AT LOW PRESSURE

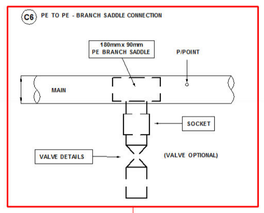
IMPORTANT NOTE RELATING TO SERVICE ROUTES & METER POSITIONS

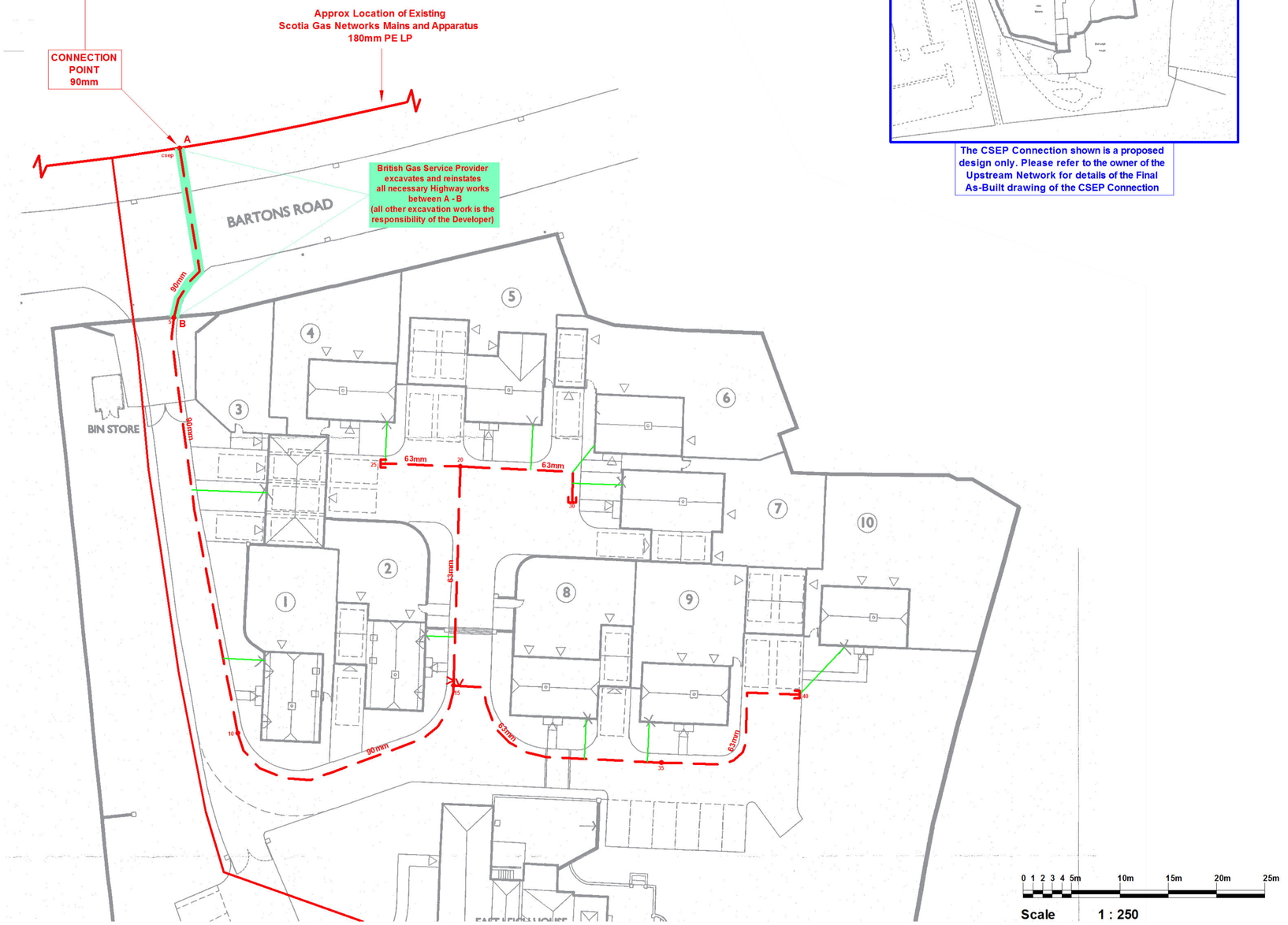
- SERVICES WILL BE LAID IN AN OPEN TRENCH BY THE BRITISH GAS CONSTRUCTION SERVICE PROVIDER. DIRECTLY FOLLOWING THE GAS SERVICE INSTALLATION THE DEVELOPER SHALL BACKFILL THE TRENCH WITH FINE FILL, APPLY SUITABLE GAS MARKER TAPE AND REINSTATE THE EXCAVATION.
- ALTERNATIVELY THE DEVELOPER CAN INSTALL AN APPROVED DUCT WITH A PULL CORD TO ALLOW THE BRITISH GAS CONSTRUCTION SERVICE PROVIDER TO INSTALL THE SERVICE. DIRECTLY FOLLOWING THE GAS SERVICE INSTALLATION THE DEVELOPER SHALL BACKFILL THE TRENCH WITH FINE FILL, APPLY SUITABLE MARKER TAPE AND REINSTATE THE EXCAVATION. SERVICE DUCTING MUST BE YELLOW, PERFORATED AND A MINIMUM OF 60mm IN DIAMETER.
- SERVICE ROUTES SHOULD BE PERPENDICULAR TO THE FRONT OF THE BUILDING, TAKING THE SHORTEST POSSIBLE ROUTE.
- GAS METERS SHOULD BE POSITIONED ON THE FRONT WALL OF THE PROPERTY OR NO MORE THAN 2 METRES ALONG A SIDE WALL. PLEASE NOTE UNI-BOXES CAN ONLY BE INSTALLED ON THE FRONT ELEVATION.
- METER BOXES CANNOT BE POSITIONED DIRECTLY ABOVE OR WITHIN 150mm OF THE EDGE OF EXTERNAL DRAINS, MANHOLE COVERS OR AIRBRICKS.

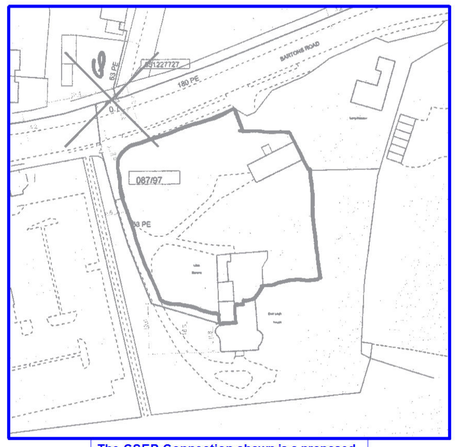
NOTE:
GAS SERVICES MUST NOT BE INSTALLED UNDER ALLOCATED PRIVATE PARKING BAYS UNLESS OWNED BY THE PREMISES THEY SERVE.

SMART METERS TO BE INSTALLED

C6 PE TO PE - BRANCH SADDLE CONNECTION







The CSEP Connection shown is a proposed design only. Please refer to the owner of the Upstream Network for details of the Final As-Built drawing of the CSEP Connection

NOTES

COMMISTATEMENT.

Any information given on this construction drawing must be used only in conjunction with the Construction Health and Safety Plan prepared by the Principal Designer and Principal Contractor. The Principal Contractor must be consulted before any construction work commences. Any changes in design, or conditions arising or information becoming known at a later date that may adversely impact upon the health and safety of any person, must be notified to the Principal Designer and Principal Contractor as soon as possible.

Reference shall be made to the BGNHC Safe System of Work document sent with this construction drawing.

IMPORTANT NOTE RELATING TO CONTAMINATED GROUND

SHOULD THIS SITE HAVE A HISTORY OF SOIL CONTAMINATION PLEASE LIAISE WITH THE SITE MANAGER TO IDENTIFY POTENTIAL HAZARDS BEFORE STARTING WORK.

The developer must ensure the bedding, backfill and surround to all gas mains and services is clean imported material such that installation of new pipework and future pipework maintenance is in clean, inert soil. The developer must be able to support evidence of backfill being clean and inert by the provision of a contamination validation certificate.

The developer must ensure appropriate precautions have been taken to protect construction workers. Good standards of hygiene and appropriate PPE and health and safety procedures must be followed.

IMPORTANT INFORMATION RELATING TO GAS METER POSITIONS AND CHOICE OF METER BOXES

Gas meter positions shown are indicative only.

Semi concealed/Universal meter boxes shall not:
- Obstruct footpaths
- Passageways
- Drives
- Be a trip hazard

For these types of box attention must be paid to ensuring the box is fitted correctly in relation to finished ground levels.

Built-in/Cavity and Surface Mounted meter boxes must be installed in accessible locations.

For all meter box types any position where damage could occur, especially from vehicles, shall be avoided.

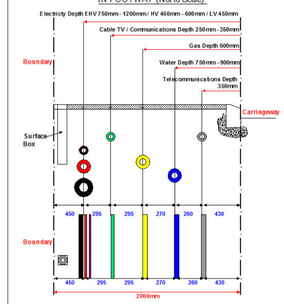
Premises with 2 or more floors above the ground floor should not have meters sited on or under the stairway, or in any other part of the premises where the stairway forms the sole means of escape in case of fire.

IMPORTANT INFORMATION RELATING TO DIVERSION/ALTERATIONS TO EXISTING PLANT

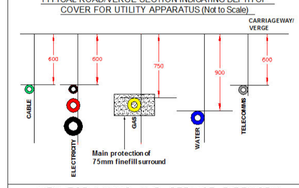
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IF YOUR ARE IN ANY DOUBT CONCERNING THE INFORMATION PROVIDED ABOVE THEN PLEASE SEEK ADVICE.

RECOMMENDED POSITIONING OF UTILITY APPARATUS IN FOOTWAY (Not to Scale)



TYPICAL ROAD/VERGE SECTION INDICATING DEPTH OF COVER FOR UTILITY APPARATUS (Not to Scale)



KEY FOR MAINS AND SERVICE PIPEWORK

- Proposed L.P Main < 75 mbar
- Existing L.P Main < 75 mbar
- Proposed M.P Main 75 mbar – 2 bar
- Existing M.P Main 75 mbar – 2 bar
- Proposed I.P Main > 2 bar – 7 bar
- Existing I.P Main > 2 bar – 7 bar
- Existing H.P Main > 7 bar – 24 bar
- Existing H.Pressure Main > 24 bar – 38 bar
- Existing H.Pressure Main > 38 bar – 70 bar

Change of size

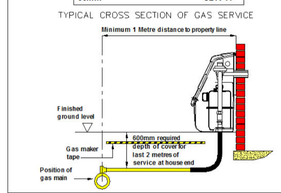
Pressure Regulator

Guidance for Mains/Services Duct Sizes

Pipe Size for PE Pipe	Minimum Duct Size for Services Insertion
< 32mm	60mm (yellow perforated)
63mm	100mm
90mm	150mm
125mm	200mm
180mm & 250mm	300mm
315mm	400mm

ALL MAINS MDPE:
90mm and above: SDR 17.6
63mm SDR 11

TYPICAL CROSS SECTION OF GAS SERVICE



MATERIAL SPECIFICATION FOR LOW PRESSURE & MEDIUM PRESSURE PE MAINS

PIPE & FITTINGS

PE 80 (MDPE) pipes and fittings to Gas Industry Standard (formally National Grid Specifications):

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GIS/PL3:2006 Specification for self-anchoring mechanical fittings for natural gas and suitable manufactured gas

GIS/F2:2006 Specification for main sealing plugs and service connection fittings for use at pressures not greater than 2 bar

GIS/V4:2007 Specification for service isolation valves up to 50mm diameter for use up to 7 bar maximum operating pressures

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Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar
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DUCTING PROVISION FOR GAS MAIN/SERVICE ROAD CROSSINGS

Important: Ducting can only be used for perpendicular carriageway crossings.

Only one pipe is allowed per duct. For Service Pipe the duct must be yellow and perforated along it's entire length.

Note: BS4692 is a suitable standard for plastic ducting.

The table below provides information on duct sizes

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Institution of Gas Engineers PRS3/E - Meter regulators for gas flows not exceeding 6m³/h inlet pressures less than 75 mbar, 2004.

Institution of Gas Engineers PRS6/E Semi-rigid and flexible meter connectors, 2004.

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Non Domestic meter installations:
To be installed in accordance with the requirements of 1GEM/GM/6 Non-domestic meter installations. Standard designs'. In particular reference shall be made to Section 9: Component Specification and Appendix 5 for detailed material specifications.

Scale 1 : 250

Network or part thereof to be owned and operated by the GTC Pipelines Limited on commissioning Network: N9007804-1

Design and constructed by:

British Gas
Lovett Road
Staines
Surrey
TW18 3AR

Tel No: 01784 874 983

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REVISION NOTES					REVISION NOTES					MAJOR VARIATIONS		INDICATOR		MINOR VARIATIONS		INDICATOR		
Date	REV No	Details of Revision	Revised by Name	Approved by Name	Date	REV No	Details of Revision	Revised by Name	Approved by Name	Date	Description of Variation	Approved by Name	Variation recorded on drawing (delete as appropriate) YES	NO	Date	Description of Variation	Approved by Name	Variation recorded on drawing (delete as appropriate) YES	NO
00/00/2016	A--	Details			00/00/2016	A--	Details			00/00/2016	Variation Details				00/00/2016	Variation Details			

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DO NOT SCALE OFF THIS DRAWING

CLIENT **Milden Homes**

PROJECT
Eastleigh House
Bartons Road, Havant,
Hampshire. PO9 5NA.

TITLE: **GAS LAYOUT**

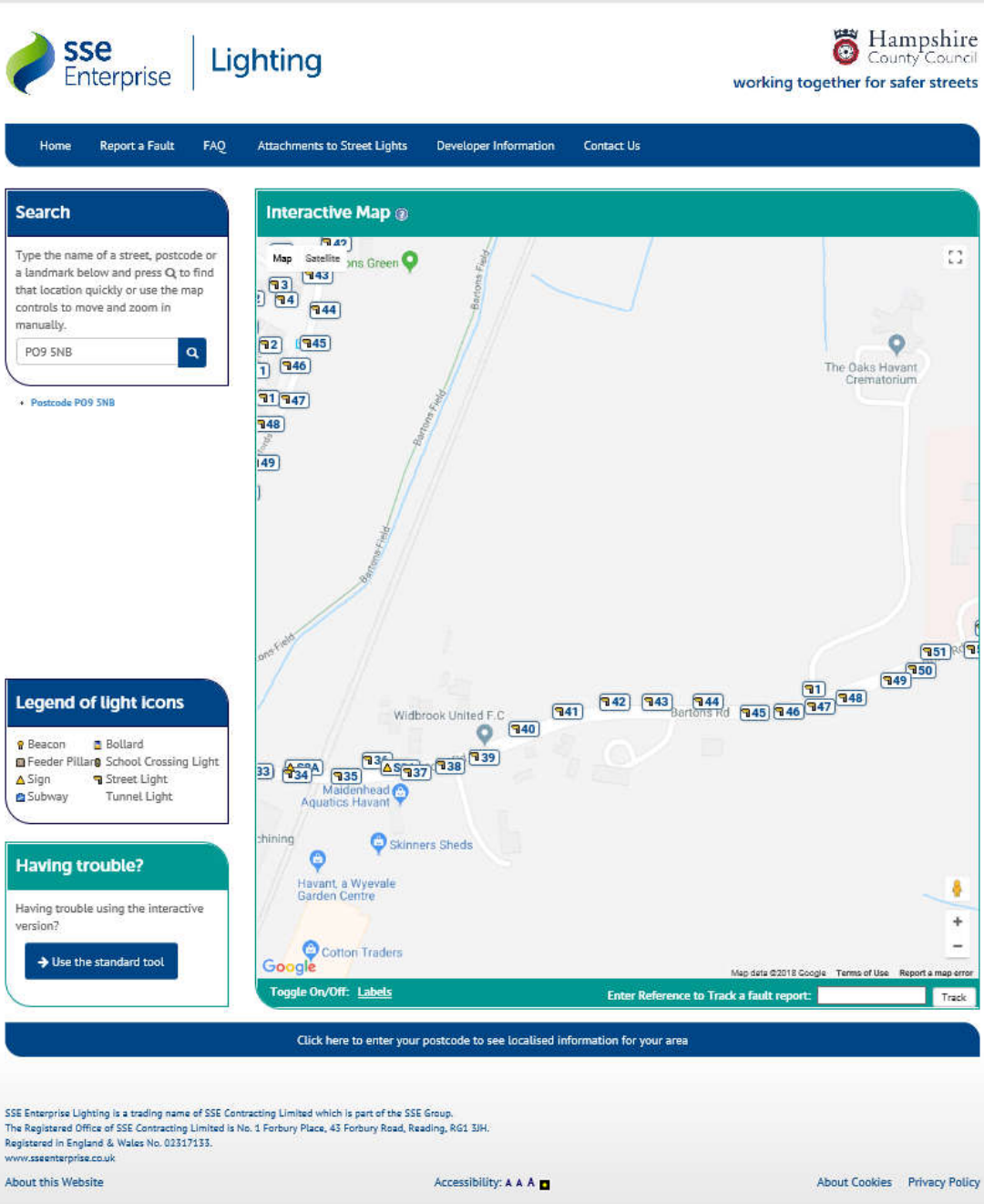
DATE: 31/01/2017	SCALE: 1:250
DESIGNED BY: A. Maggs	DRAWN BY: A. Maggs
APPROVED BY: P. Mason	
DRAWING NO: PPS65824-A1-001	SHEET SIZE: A1

GTC Plant Enquiry. Our Ref 686993, Your Ref LM 65279/AB generated for AtkinsStatutory.Enquiries@atkinsglobal.com at 17/05/2018 12:54:52. This drawing is reproduced from our records archive at the time of enquiry.

57. GTC should be consulted if it is intended to carry out any of the following activities:

- using explosives within 30m of plant or fibre asset structures
- piling or boring within 15m of fibre plant
- excavating within 10m of fibre asset structures (including the OSCP)
- reducing the cover or protection of a fibre duct
- carrying out nearby deep excavations

CHECKED


sse Enterprise | Lighting
Hampshire County Council
working together for safer streets
Home
Report a Fault
FAQ
Attachments to Street Lights
Developer Information
Contact Us
Search
Type the name of a street, postcode or a landmark below and press Q to find that location quickly or use the map controls to move and zoom in manually.
PO9 5NB
Postcode PO9 5NB
Interactive Map
Map
Satellite
Barton's Field
The Oaks Havant Crematorium
Widbrook United F.C
Barton's Rd
Maidenhead Aquatics Havant
Skinners Sheds
Havant, a Wyevale Garden Centre
Cotton Traders
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Report a map error
Toggle On/Off: Labels
Enter Reference to Track a fault report:
Track
Legend of light icons
Beacon
Bollard
Feeder Pillar
School Crossing Light
Sign
Street Light
Subway
Tunnel Light
Having trouble?
Having trouble using the interactive version?
Use the standard tool
Click here to enter your postcode to see localised information for your area
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Registered in England & Wales No. 02317133.
www.sseenterprise.co.uk
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About Cookies
Privacy Policy

S, Darshan

From: NRSWA <nrswa.nrswa@sky.uk>
Sent: 17 May 2018 19:20
To: Utility Solutions GDC Requests
Subject: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

SKY Telecommunications Services Ltd
70 Buckingham Avenue
SLOUGH
SL1 4PN
Tel: 0207 0323 234/250
Fax: 020 70323252
email: nrswa@sky.uk

17/05/2018

Further to your recent enquiry, the following Sky route(s) may be indirectly affected by your proposed works:

HVBG-Havant - Brighton

The SKY route(s) is indirectly affected as we only lease telecoms infrastructure from **SSE,** who own and are responsible for the maintenance or diversion thereof. For further information or detailed plans for this area, please contact the **SSE** Enquiry Team, by email: asset.data@sse.com or phone on 01256 337294.

Please note that if our apparatus is deemed to be affected by your proposal and requires relocation or diversion in any way, you will need to contact SKY to provide estimates as per NRSWA Diversionary Works process.

Regards

NRSWA Department
Tech UK - Implementation
sky | TECHNOLOGY
nrswa@sky.uk +44 20703232234

From: Bhaskar, Aditya [mailto:Aditya.Bhaskar@atkinsglobal.com] **On Behalf Of** Utility Solutions GDC Requests
Sent: 17 May 2018 13:09
To: plantenquiries@catelecomuk.com; plantenquiries@energetics-uk.com; enquiries@environment-agency.gov.uk; plantenquiries@instalcom.co.uk; opburiedservicesenquiries@networkrail.co.uk; interoute.enquiries@plancast.co.uk; NRSWA <nrswa.nrswa@sky.uk>; osp-team@uk.verizon.com; National Plant Enquiry's <OSM.enquiries@atkinsglobal.com>; assetrecords@utilityassets.co.uk
Subject: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Our Reference: 65279
Site Name: Land of Bartons Road, Havant
Works Description: Utility Works
Site Grid References: 473319 108123,473554 108323,473017 107918,473425 108328

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

We request plans showing the location of your company's affected plant in relation to the entire site area shown within the boundary on the attached map. Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.

Within your response please quote our reference number and the name of the site shown above. If you do not have any apparatus in this area, please could you send written confirmation to declare that no apparatus is affected. Please also include information relating to the use and location of Radio Frequency Identification Devices (RFIDs) where available.

It would be greatly appreciated if you could respond to this enquiry by 05/06/2018. Your prompt response will assist with our clients proposals in your interests of plant protection.

If you have any queries in relation to this plant enquiry please do not hesitate to contact us.

Kind regards,

ATKINS - Utility Solutions

The Hub, 500 Park Avenue, Aztec West, Almondsbury, Bristol, BS32 4RZ.

CHECKED

ATKINS
The Hub, 500 Park Avenue
Aztec West
Almondsbury
Bristol
BS32 4RZ

Virgin Media
Field Services
Units 1-12
Broad Lane
Mayfair Business Park
Bradford
Yorkshire
BD4 8PW

Tel: 0870 888 3116 Opt 2

Plant Enquiry Ref:	VM.1106613
Letter Date	22.05.2018
Your Ref:	65279
Date:	29.05.2018

Dear Sir/Madam,

Enquiry Location: Land of Bartons Road, Havant PO9 5NB

Thank you for your enquiry regarding work at the above location.
I enclose a copy of our above referenced drawing, marked to show the approximate position of plant owned and operated by Virgin Media.

You will be aware that you have a duty to ensure that no damage results to this equipment as a result of your proposed works. Please note that this apparatus may contain Fibre Optic, Coaxial and/or 240v Power Cables and as such, special care must be taken when excavating this area.

Should you require Virgin Media apparatus to be diverted we must agree a specification of works and provide a detailed estimate of costs. The costs are £720 (Business) or £240 (Residential) Inc VAT and the charge applies to each individual scheme requested.
Both the estimate and specification will be sent to you within 25 working days of when the payment was received.

This initial payment will cover the following: -

•Detailed site visit by an experienced planning engineer.(Up to 10 hours planning time)

•Detailed specification of works.

•Detailed breakdown of costs.

Payment is required in advance for the estimated cost of detailed design work and the charge applies whether or not your works proceed. Please supply us with your payment and a copy of your plans or drawings and quote 'Our Ref' as above.

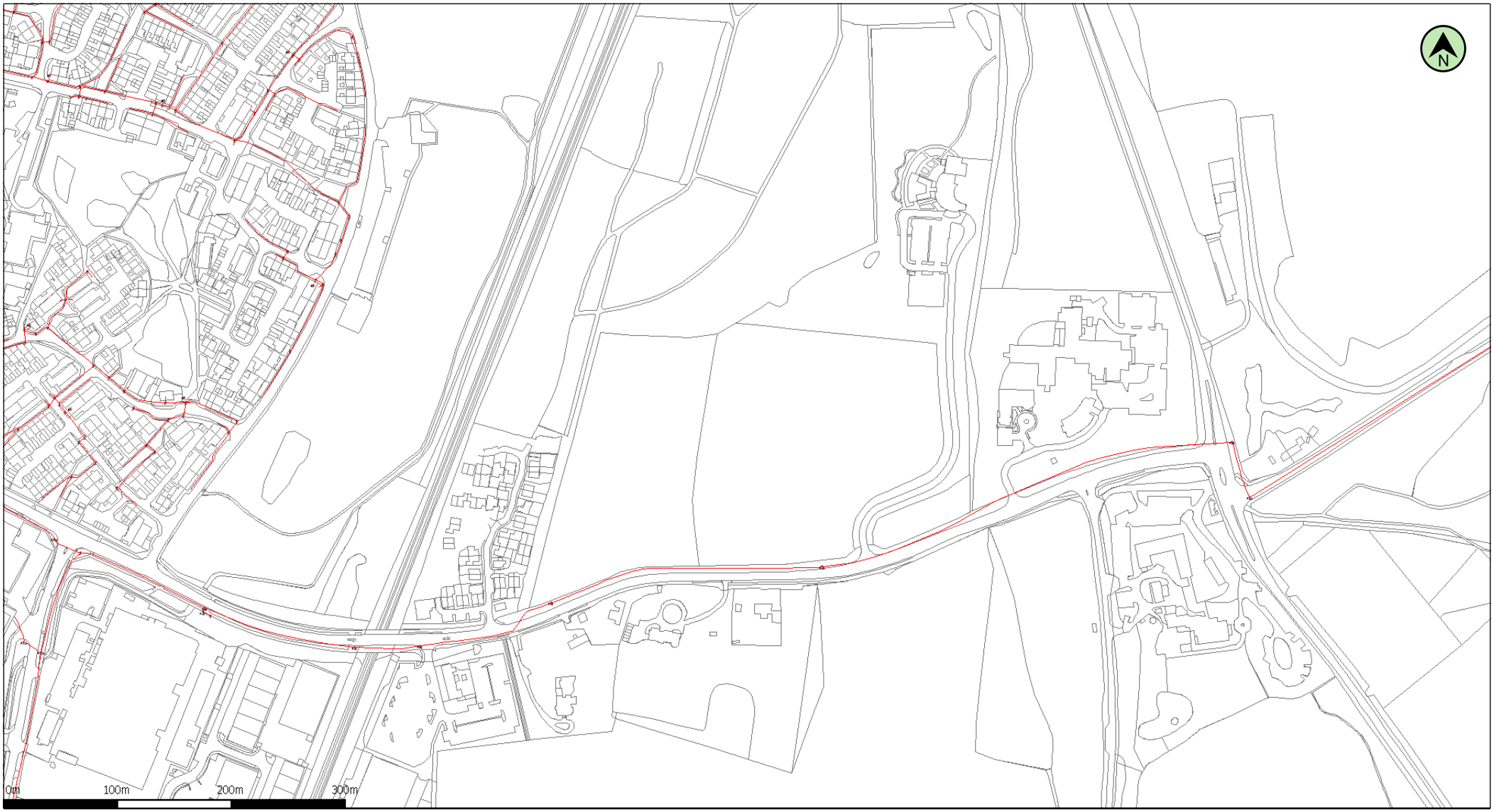
The address to send the cheque is:

Diversionary Works, Virgin Media, 1 Dove Wynd, Strathclyde Business Park Bellshill ML4 3AL

Or if you prefer to talk, please call the Diversionary Team on: 0800 408 0088 Option 1

Yours faithfully

National Plant Enquiries Team,



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Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2018 Ordnance Survey 100019209.

Duct, Trench

Chamber

Cabinet

stephy.jaison@virginmedia.co.uk

VM.1106613

CHECKED

S, Darshan

From: Subramanian, Devendran
Sent: 25 May 2018 11:05
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018
Attachments: 65279 - 2.pdf; 65279.pdf; Special Requirements.pdf

Please accept this email as confirmation that Vodafone: Fixed **does** have apparatus within the vicinity of your proposed works detailed below.

Please see attached network information.

Note: Only affected parts are printed and our network is not present in the remaining areas of your proposed works.

IMPORTANT - PLEASE READ = Your Next Step?:-
Where apparatus is affected and requires diversion, please send all the scheme related proposals that affects the Vodafone Network to c3requests@vodafone.com with a request for a 'C3 Budget Estimate'. Please ensure you include a plan showing proposed works. (A location plan is insufficient for Vodafone to provide a costing). These estimates will be provided by Vodafone directly, normally within 20 working days from receipt of your request. Please include proof of this C2 response when requesting a C3 (*using the 'forward' option*). Diversionary works may be necessary if the existing line of the highway/railway or its levels are altered.

Plant Enquiries Team
T: +44 (0)1454 662881
E: osm.enquiries@atkinsglobal.com

ATKINS working on behalf of Vodafone: Fixed

This response is made only in respect to electronic communications apparatus forming part of the Vodafone Limited electronic communications network formerly being part of the electronic communications networks of Cable & Wireless UK, Energis Communications Limited, Thus Group Holdings Plc and Your Communications Limited.

PLEASE NOTE:

The information given is indicative only. No warranty is made as to its accuracy. This information must not be solely relied upon in the event of excavation or other works carried out in the vicinity of Vodafone plant. No liability of any kind whatsoever is accepted by Vodafone, its servants, or agents, for any error or omission in respect of information contained on this information. The actual position of underground services must be verified and established on site before any mechanical plant is used. Authorities and contractors will be held liable for the full cost of repairs to Vodafone's apparatus and all claims made against them by Third parties as a result of any interference or damage.

Please consider the environment before printing this e-mail

From: Bhaskar, Aditya **On Behalf Of** Utility Solutions GDC Requests
Sent: 17 May 2018 17:39
To: plantenquiries@catelecomuk.com; plantenquiries@energetics-uk.com; enquiries@environment-agency.gov.uk; plantenquiries@instalcom.co.uk; opburiedservicesenquiries@networkrail.co.uk; interoute.enquiries@plancast.co.uk; nrswa@sky.uk; osp-team@uk.verizon.com; National Plant Enquiry's <OSM.enquiries@atkinsglobal.com>; assetrecords@utilityassets.co.uk
Subject: Plant Enquiry - 65279 - Land of Bartons Road, Havant - Please respond by 05/06/2018

Our Reference: 65279



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Legend

- Underground Utility Box.Location Act., T02
- Underground Route.Route Act. - Owned
- Underground Route.Route Act. - Leased

vodafone

Vodafone Limited (No01471587) registered office is at Vodafone House, The Connection, Newbury, Berkshire, RG142FN

Plot Date : 25/05/2018	Scale : 1:1250

This plan shows apparatus owned by members of the Vodafone Group of companies (including legacy telecommunication companies currently within the group)

Information with regard to such apparatus should always be obtained from Vodafone or its appointed agents.



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'optimising development potential'

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