Woodlands Meed, West Sussex.

August: 2018

Geomatic Surveyors

siteline

Utility Search Report

Site Location

Grid Reference

TQ 32121 18324

SU554059

X (Easting):	Y (Northing):
532121	**118324**
Latitude:	Longitude:
50949220	**-0.12052693**

Address Near:

Birchwood Grove Road, Burgess Hill.

Postcode (nearest):

RH15 0DP

Enclosures

Utility Type	Company	In-house Search	In Vicinity of Development	Not In Vicinity of Development	No Response Received to date
Water Mains	South East Water		14/08/2018		
Drainage	Southern Water		14/08/2018		
Gas	SGN / GTC		14/08/2018		
Openreach (BT)	BT	x	14/08/2018		
CATV	Virgin	x	14/08/2018		
Electric	UKPN		14/08/2018		
Communication	Colt			14/08/2018	
	BSkyB/Easynet			14/08/2018	
	Interoute (inc 51 Degrees)			14/08/2018	
	SOTA			14/08/2018	
	Zayo Europe			14/08/2018	
	SSE Neos Networks			14/08/2018	
	Plancast			14/08/2018	
	EU networks			14/08/2018	
	Verizon			14/08/2018	
	Energi			14/08/2018	
	Telent			14/08/2018	
	Gtt			14/08/2018	
	Comm Masts (Above)			14/08/2018	
Environment Agency				14/08/2018	
Council					14/08/2018
Tunnels & Pipelines	BT Deep Level Tunnels			14/08/2018	
	Thames Water Ring Main			14/08/2018	
	Post Office Tunnels			14/08/2018	
	Cemex (Cement Tunnel)			14/08/2018	
	MOD			14/08/2018	
	Post Office			14/08/2018	
	CHL (Fisher German) Total			14/08/2018	
Transport	Canal & River Trust			14/08/2018	
	Network Rail			14/08/2018	
	Crossrail			14/08/2018	
	London Underground			14/08/2018	
	Docklands Light Railway			14/08/2018	
	Private Rail Lines			14/08/2018	
	Trams			14/08/2018	
	Traffic Master			14/08/2018	
Also None Affected in This Search					
	AWE Pipeline Esso Petroleum Company Limited Perenco UK Limited (Purbeck Southampton Pipe-line) BOC Limited Fulcrum Pipelines Limited Petroineos BP Midstream Pipelines Phillips 66 Gateshead Energy Company Premier Transmission Ltd (SNIP) Carrington Gas Pipeline Gigaclear PLC Prysmian Cables & Systems Ltd (c/o Western Link)		CATS Pipeline c/o Wood Group PSN Humbly Grove Energy Redundant Pipelines - LPDA Cemex IGas Energy RWEnpower (Little Barford and South Haven) Centrica Energy Ineos Enterprises Limited SABIC UK Petrochemicals Centrica Storage Ltd DIO (MOD Abandoned Pipelines)		

Enclosure Table Key

Desk Research – A tick in this column indicates that the response has been determined In-house.

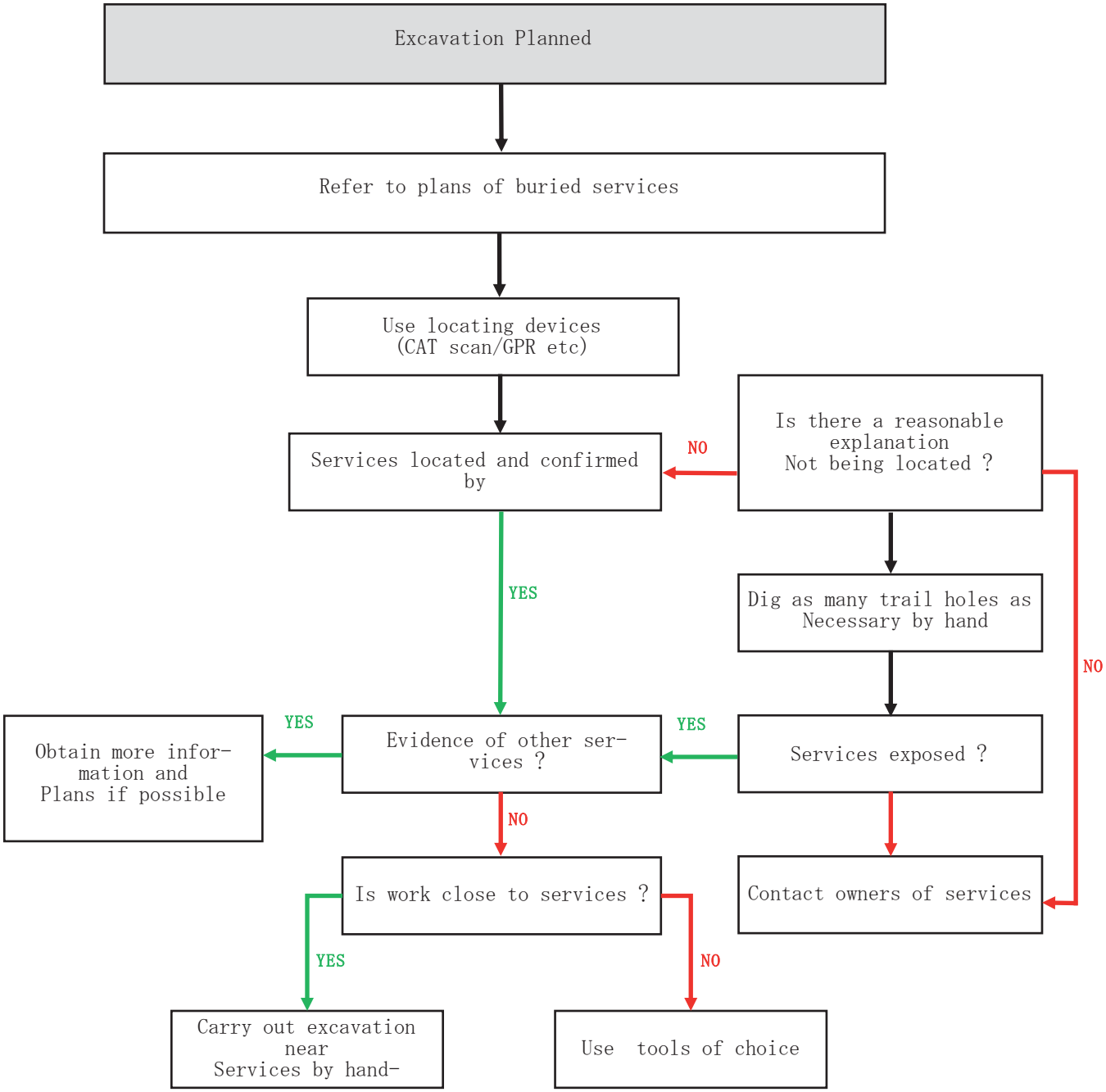
In Vicinity *– Utility plant is expected to be within, adjacent to or very close to the search area. It is recommended to liaise with the utility in advance of any works taking place.*

Not In Vicinity *– Utility plant is not expected to be within, adjacent to or very close to the search area. It may be located some distance from the search area.*

No Response Received *– No response has been received from the utility to date.*

This flow diagram is intended to help give an understanding of the process from referring to plans on-site through to the start of excavation, for example when excavating in a road or footway. However it:

Describes only part of the process; it does not, for example, describe planning the work, including reference to plans at the design stage; Is a simplified picture and not a substitute for reading the text; Is not a substitute for a suitable and sufficient risk assessment; Does not take account of a number of other situations, e.g. cable embedded in concrete or those situations where resiting services is proposed.



Abbreviations

Apparatus	
Electric:	
DNO	Distribution Network Operator
iDNO	Independent Distribution Network Operator
ICP	Independent Connections Provider
LV	Low Voltage
HV	High Voltage
EHV	Extra High Voltage
kVA	Kilovolt Amperes
MVA	Megavolt Amperes
AC	Alternating Current
S/S	Substation
PMT	Pole Mounted Transformer
Gas:	
GT	Gas Transporter
iGT	Independent Gas Transporter
UIP	Utility Infrastructure Provider
PRS	Pressure Reducing Station (Governor)
LP	Low Pressure
MP	Medium Pressure
IP	Intermediate Pressure
HP	High Pressure
Water	
SLO	Self Lay Organisation
Incumbent	Local Water only or Water & Sewerage Company
WRAS	Water Regulation Advisory Scheme
Other	
PE	Polyethylene
DI	Ductile Iron
ST	Steel
CI	Cast Iron
SI	Spun Iron
HPPE	High Performance Polyethylene
MDPE	Medium Density Polyethylene
CATV	Cable Television
GRP	Glass Reinforced Plastic
FTTP	Fibre to the premise
FTTC	Fibre to the cabinet
l/min	Litres per minute
H&S	Health and Safety
HBF	House Builders Federation
TPO	Tree Preservation Order

Guidelines on the Positioning and Colour Coding of Underground Utilities' Apparatus
Recommended Colour Coding of Underground Utilities Apparatus All depths are from the surface level to the crown of the apparatus.

Utility	Duct	Pipe	Cable	Marker Systems	Recommended Minimum Depths	
					Footway Verge	Carriageway
Electricity HV (High Voltage)	Black or red duct or tile	N/A	Red or black	Yellow with black and red legend or concrete tiles	450mm - 1200mm	750m - 1200mm
Electricity LV (Low Voltage)	Black or red duct or tile	N/A	Black or red	Yellow with black legend		750mm
Gas	Yellow	* See row below	N/A	Black legend on PE pipes every linear metre.	600mm footway 750mm verge	750mm
	*** PE - up to 2 bar - yellow or yellow with brown stripes (removable skin revealing white or black core pipe). - between 2 to 7 bar -orange. Steel pipes may have yellow wrap or black tar coating or no coating. Ductile Iron may have plastic wrapping Asbestos & Pit / Spun Cast Iron – No distinguishable colour					
Water non Potable & Grey Water	N/A	Black with green stripes	N/A	N/A	600mm - 750mm	600mm - 750mm
Water - Firefighting	N/A	Black with red stripes or bands	N/A	N/A	600mm - 750mm	600mm - 750mm
Oil / fuel pipelines	N/A	Black	N/A	Various Surface markers Marker tape or tiles above red concrete	900mm All work within 3 metres of oil fuel pipelines must receive prior approval	900mm All work within 3 metres of oil fuel pipelines must receive prior approval
Sewerage	Black	No distinguishing colour / material (eg: Ductile Iron may be red; PVC may be brown)	N/A	N/A	Variable	Variable
Communications	Grey, white, green, Black, purple	N/A	Black or Light Grey	Various	250mm - 350mm	750mm minimum
Water 	Blue or Grey	Blue polymer or blue or uncoated Iron / GRP. Blue polymer with brown stripe (removable skin revealing white or black pipe)	N/A	Blue or blue/ black	750mm	750mm minimum
Water pipes for special purposes (e.g. contaminated ground) 	N/A	Blue polymer with brown stripes (non removable skin)	N/A	Blue or blue/ black	750mm	750mm minimum

*These guidelines describe utility industry practice. However, it should not be Assumed that all apparatus will conform the recommendations for positioning And colour coding contained in this report.

Recommended Colour Coding of Other Underground Apparatus
All depths are from the surface level to the crown of the apparatus.

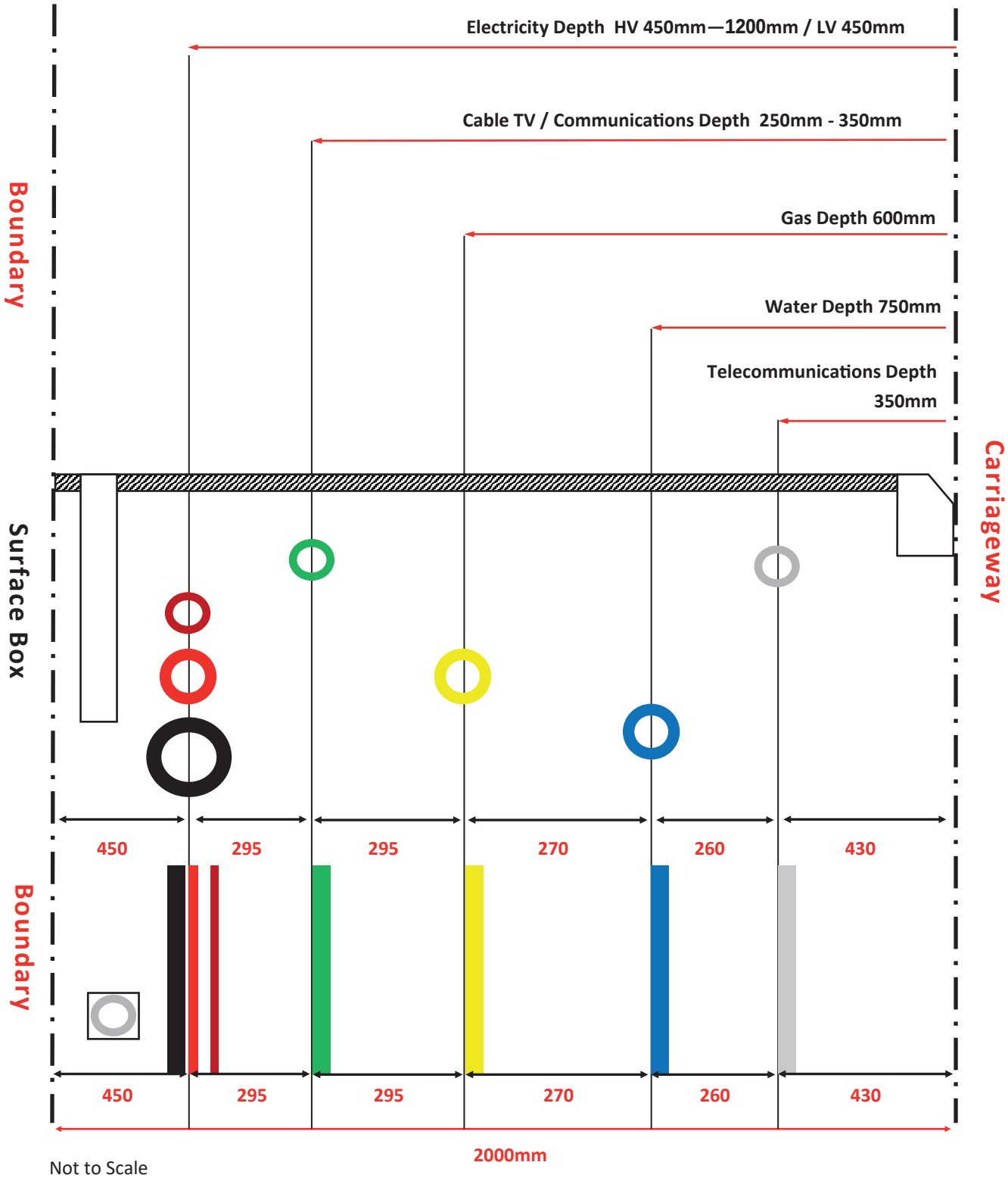
Utility	Duct	Pipe	Cable	Marker Systems	Recommended Minimum Depths	
					Footway Verge	Carriageway
At the time of publication the following were current examples of known highway authority apparatus colour coding but local variations may occur.						
Street Lighting						
England and Wales	Orange	N/A	Black	Yellow with black legend	450mm	600mm
Scotland	Purple	N/A	Purple	Yellow with black legend	450mm	450mm
Northern Ireland	Orange	N/A	Black or orange		450mm	450mm
Other						
Traffic Control	Orange	N/A	Orange	Yellow with black legend		
Street Furniture		N/A	Black	Yellow with black legend	450mm	600mm
Communications		N/A	Light grey or black	Yellow with black legend		
CCTV	Purple	N/A		Yellow with black legend		
Motorways and Trunk Roads England and Wales						
Communications	Purple	N/A	Grey	Yellow with black legend	450mm	
Communications Power	Purple	N/A	Black	Yellow with black legend		
Road Lighting	Orange	N/A	Black	Yellow with black legend		
Scotland						
Communications ○ ●	Black or grey	N/A	Black	Yellow with black legend		
Road Lighting	Purple	N/A	Purple	Yellow with black legend		

*These guidelines describe utility industry practise. However, it should not Be assumed that all apparatus will confirm to the recommendations for Positioning and colour coding contained in this publication.

NJUG Guidelines on the Positioning and Colour Coding of Underground Utilities

Recommended Positioning of Utility Apparatus in a 2 metre Footway (s)

Note - the same positioning should apply in the carriageway service strip (if safe and practical to do so) where a development has footways). available for services and or the boundary of the property in on the carriageway (please refer to minimum depths in carriageways) For further advise please contact the asset owner.



Not to Scale

Disclaimer

Relevant Documents

The following documents must be referred to before work commences in the vicinity of existing services:

Health and Safety Booklet HS (GS) 6 Avoidance of Danger from Overhead Electric Lines.

General Safety Measures to Avoid Injury and Damage to Gas Apparatus.

HSE Guidance Note HS (G) 47 Avoiding Danger from Underground Services.

National Joint Utilities Group (NJUG) Publications Vol. 1.

CDM Regulations 2007 (Regulation 34 – Energy Distribution Installations).

Electricity at Work Regulations 1989.

Basic Risk Assumption for all Services

When dealing with existing services the following assumptions must always be accepted:

All existing buildings have gas, water electric and telecoms supplies to them until proven otherwise.

Any supply to an existing building, no matter how old the building is or how deteriorated the supply may appear, is taken to be 'live' until proven otherwise.

All open land, vacant lots and derelict sites are deemed to have services beneath them until proven otherwise.

The only acceptable proof that a service is 'dead' and can be removed is written confirmation from the owner of the service.

The quality and accuracy of information provided by utilities about their existing plant is indicative and no warranty is made as to its accuracy. Therefore, any utility record plans and/or marked up drawings provided by each utility must only be used as a guide and the actual location of plant should be verified by CAT Scan or trial holes before construction works commence.

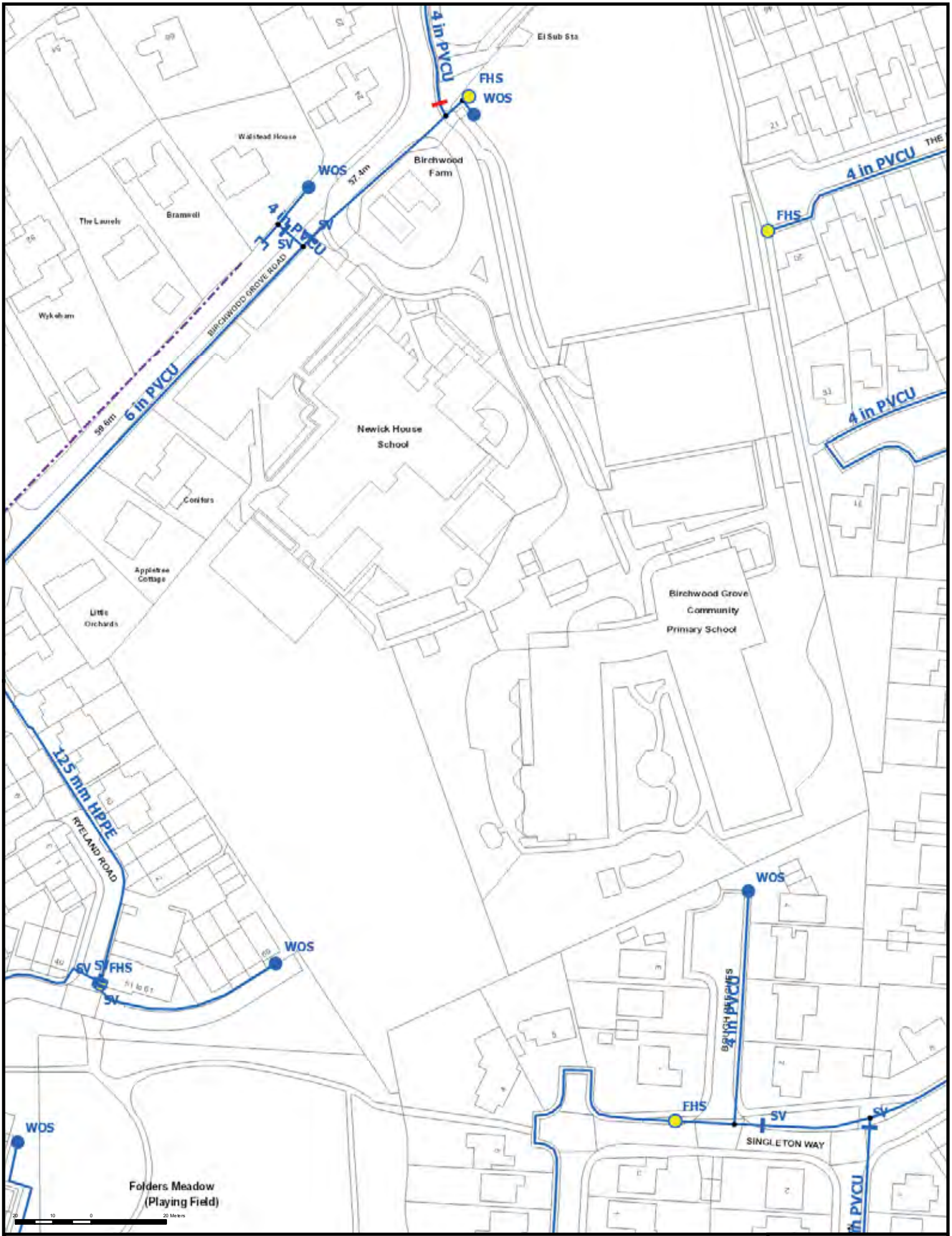
Please note not all service connections are shown on the utility record plans.

Plant Found Within Site Boundaries

Where utility plant is found within the site boundary, it is recommended for the client to check for legal easements or wayleaves.

Diversions of plant within site boundaries can be expensive and time consuming to relocate.
Further investigation of costs and timescales are recommended. Please ask PES for further details.

Water



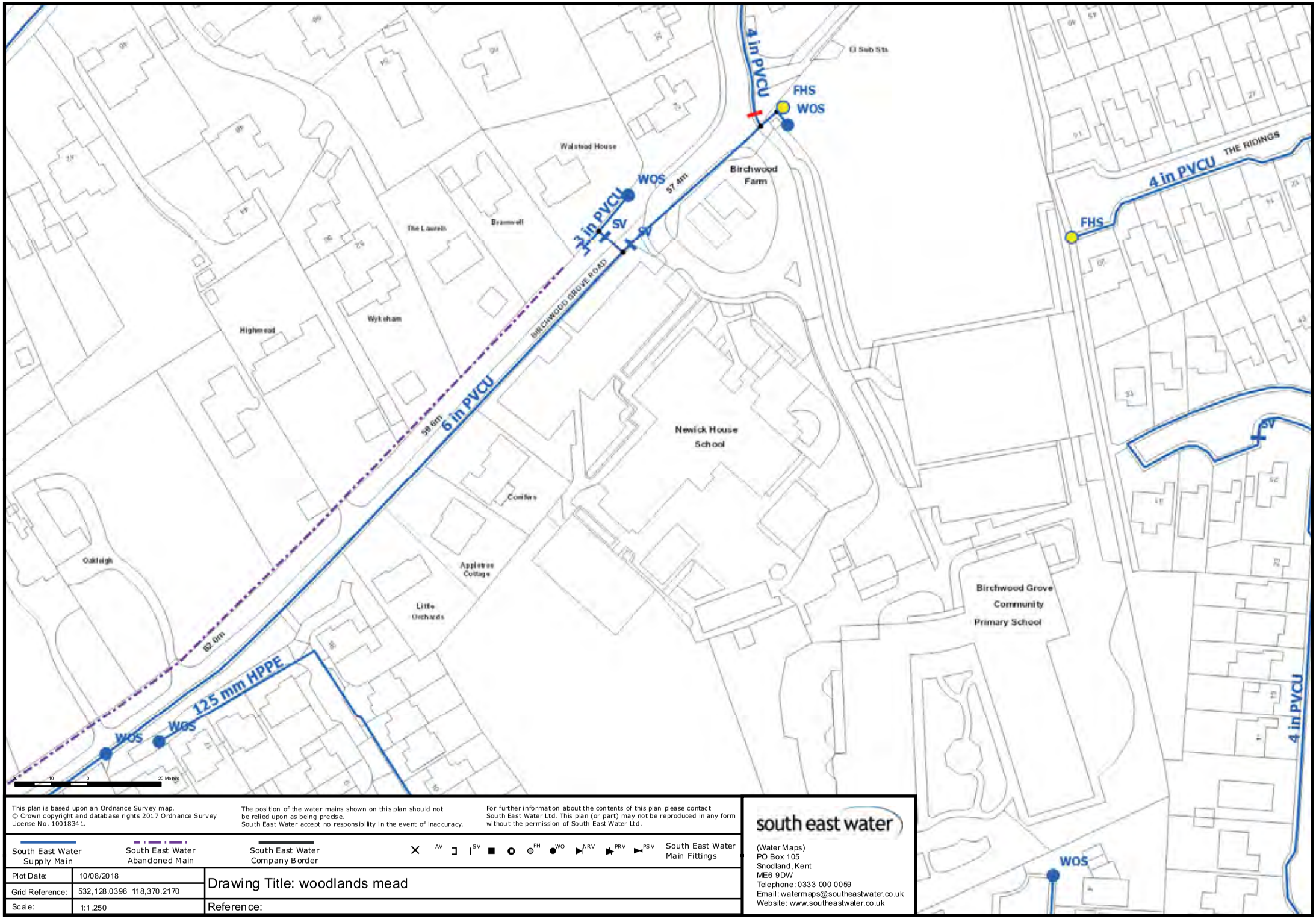
South East Water Supply Main | South East Water Abandoned Main | South East Water Company Border | South East Water Main Fittings

Plot Date:	10/08/2018
Grid Reference:	532,164.0942 118,311.8184
Scale:	1:1,250

Drawing Title: woodlands mead 2

Reference:

south east water
(Water Maps)
PO Box 105
Snodland, Kent
ME6 9DW
Telephone: 0333 000 0059
Email: watermaps@southeastwater.co.uk
Website: www.southeastwater.co.uk



This plan is based upon an Ordnance Survey map.
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The position of the water mains shown on this plan should not be relied upon as being precise.
South East Water accept no responsibility in the event of inaccuracy.

For further information about the contents of this plan please contact South East Water Ltd. This plan (or part) may not be reproduced in any form without the permission of South East Water Ltd.

South East Water Supply Main

South East Water Abandoned Main

South East Water Company Border

South East Water Main Fittings

Plot Date:	10/08/2018
Grid Reference:	532,128.0396 118,370.2170
Scale:	1:1,250

Drawing Title: woodlands mead

Reference:

south east water
(Water Maps)
PO Box 105
Snodland, Kent
ME6 9DW
Telephone: 0333 000 0059
Email: watermaps@southeastwater.co.uk
Website: www.southeastwater.co.uk

Drainage

SEWER RECORDS PAGE 1 OF 2

118613

118035

531649

532593

O.S. REF. TQ3218SW	Drawn by: rogersc	The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determnined on site. WARNING: BAC pipes are constructed of Bonded Asbestos Cement WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement
	Scale: 1:2500	
Title: 304366 - Neswick House School	Date: 09/08/2018	Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.

N

Southern Water

SEWER RECORDS PAGE 1 OF 2

O.S. REF. TQ3218SW	Drawn by: yadavsa	The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determnined on site. WARNING: BAC pipes are constructed of Bonded Asbestos Cement WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement	N
	Scale: 1:1250		
Title: 304797_Newick House School, Bi	Date: 14/08/2018	Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.	Southern Water

SEWER RECORDS PAGE 2 OF 2

Node	Cover	Invert	Size	Material	Shape
1101X	54.52	52.32	150	VC	CIRC
1105X	54.374	52.864	300	PP	CIRC
1154X	56.33	54.27	225	PP	CIRC
1155X	54.51	53.1	225	PP	CIRC
1250X	56.5	55	225	PP	CIRC
2101X	53.94	51.44	150	VC	CIRC
2102X	54.913	54.213	300	PP	CIRC
210DX			150	VC	CIRC
2201X	51.549	49.629	300	VC	CIRC
2252X	49.76	49.76	225	VC	CIRC
2253X	50.31	49.52	225	VC	CIRC
2254X	50.37	49.2	300	VC	CIRC
2255X	50.19	49.08	300	VC	CIRC
2256X	50	48.78	300	VC	CIRC
2351X	48.54	47.04	150	VC	CIRC
3153X	51.79	49.49	225	VC	CIRC
3201X	48.36	47.02	150	VC	CIRC
3202X	50.55	49.13	150	VC	CIRC
3203X	49.85	48.43	150	VC	CIRC
3204X	51.49	50	150	VC	CIRC
3251X	48.4	47.41	450	VC	CIRC
3253X	49.83	48.28	375	VC	CIRC
3254X	51.44	49.09	300	VC	CIRC
3255X	50.56	48.63	300	VC	CIRC
3304X	47.57	45.62	150	VC	CIRC
3351X	48.26	46.72	225	CP	CIRC
3352X	47.91	46.13	225	VC	CIRC
3353X	48.97	47.55	225	VC	CIRC
3402X	46.87	43.43	225	VC	CIRC
3403X	46.42	43.37	225	VC	CIRC
3453X	46.96	45.68	300	VC	CIRC
3454X	46.81	45.29	375	VC	CIRC
9401X	59.29	55.84	225	VC	CIRC

Node	Cover	Invert	Size	Material	Shape
Node	Cover	Invert	Size	Material	Shape
Node	Cover	Invert	Size	Material	Shape
Node	Cover	Invert	Size	Material	Shape

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

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. Ne-e (SW)
Flushing ch. Ne-e (F&C)
Demarcation Chamber

LEGEND - SEWERS

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

NODE REFERENCING SYSTEM

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

Drawn by:	yadavsa
Title:	304797_Newick House School, Bi
Date:	14/08/2018

Southern Water

SEWER RECORDS PAGE 2 OF 2

Node	Cover	Invert	Size	Material	Shape
0001X	60.18	58.63	150	VC	CIRC
0002X	60.67		150	VC	CIRC
0101X			150	VC	CIRC
0103X			150	VC	CIRC
011DX			150	VC	CIRC
012DX			150	VC	CIRC
0501X	52.61	50.56	225	VC	CIRC
050BX			UNK	UNK	UNK
050DX			225	VC	CIRC
051BX			225	VC	CIRC
051DX			225	VC	CIRC
052BX			UNK	UNK	UNK
052DX			UNK	UNK	UNK
053DX			UNK	UNK	UNK
054DX			UNK	UNK	UNK
1101X	54.52	52.32	150	VC	CIRC
1102X			150	VC	CIRC
1105X	54.374	52.864	300	PP	CIRC
1106X			UNK	VC	CIRC
110DX			UNK	VC	CIRC
111DX			150	VC	CIRC
1151X	55.57	54.27	150	VC	CIRC
1154X	56.33	54.27	225	PP	CIRC
1155X	54.51	53.1	225	PP	CIRC
1250X	56.5	55	225	PP	CIRC
1501X	53.09	51.38	150	VC	CIRC
2101X	53.94	51.44	150	VC	CIRC
2102X	54.913	54.213	300	PP	CIRC
2103X			100	VC	CIRC
2104X			100	VC	CIRC
2105X			100	VC	CIRC
2106X			100	VC	CIRC
210DX			150	VC	CIRC
2151X	53.89	51.99	225	VC	CIRC
2152X	54.41	53.1	150	VC	CIRC
2201X	51.549	49.629	300	VC	CIRC
2252X	49.76	49.76	225	VC	CIRC
2253X	50.31	49.52	225	VC	CIRC
2254X	50.37	49.2	300	VC	CIRC
2255X	50.19	49.08	300	VC	CIRC
2256X	50	48.78	300	VC	CIRC
2351X	48.54	47.04	150	VC	CIRC
2501X	50.74	49.72	150	VC	CIRC
2502X	51.52	49.35	150	VC	CIRC
3101X			150	VC	CIRC
3152X	52.2	50.24	150	VC	CIRC
3153X	51.79	49.49	225	VC	CIRC
3201X	48.36	47.02	150	VC	CIRC
3202X	50.55	49.13	150	VC	CIRC
3203X	49.85	48.43	150	VC	CIRC
3204X	51.49	50	150	VC	CIRC
3251X	48.4	47.41	450	VC	CIRC
3253X	49.83	48.28	375	VC	CIRC
3254X	51.44	49.09	300	VC	CIRC
3255X	50.56	48.63	300	VC	CIRC
3304X	47.57	45.62	150	VC	CIRC
3306X	47.36	44.56	225	VC	CIRC
3351X	48.26	46.72	225	CP	CIRC
3352X	47.91	46.13	225	VC	CIRC
3353X	48.97	47.55	225	VC	CIRC
3401X	46.32	43.09	225	VC	CIRC
3402X	46.87	43.43	225	VC	CIRC
3403X	46.42	43.37	225	VC	CIRC
3453X	46.96	45.68	300	VC	CIRC
3454X	46.81	45.29	375	VC	CIRC
3501X	45.95	42.81	225	VC	CIRC
3502X	45.98	42.72	225	VC	CIRC
3503X	45.85	42.34	450	VC	CIRC
3504X	45.704		150	VC	CIRC
3553X	45.89	44.57	375	VC	CIRC
3602X	45.67	42.76	225	VC	CIRC
4002X	49.221	47.261	150	VC	CIRC
4052X	49.594	48.069	225	VC	CIRC
4101X	49.22	47.2	150	VC	CIRC
4104X			150	VC	CIRC
4105X	49.332		150	VC	CIRC
4151X	49.32	47.67	225	VC	CIRC
4201X	48.69	46.6	150	VC	CIRC
4251X	47.29	46.06	375	VC	CIRC
4252X	48.67	47.31	300	VC	CIRC
4253X	48.68	46.93	450	VC	CIRC
4301X	47.6	43.91	225	VC	CIRC
4351X	48.89	46.9	225	VC	CIRC
4355X	46.94	46.06	225	CP	CIRC
4356X	48.01		150	OTHER	CIRC
4401X	48.44	45.53	225	VC	CIRC
4402X	49.27	45.84	225	VC	CIRC
4403X	48.18	45.95	225	VC	CIRC
4404X	46.99	46.09	225	VC	CIRC
4405X	47.44	45.71	225	VC	CIRC
4451X	49.62	46.58	525	VC	CIRC
4452Y	48.6	45.88	300	VC	CIRC
4454X	45.07		OTHER	OTHER	CIRC
4455X	46.84	45.09	375	VC	CIRC
4457X	50.73	49.03	225	VC	CIRC
4458X	47.91		525	VC	CIRC
4459X	47.04	45.32	300	VC	CIRC
4460X	46.84		525	VC	CIRC
4461X	46.57		375	VC	CIRC
4501X	49.67	46.251	225	VC	CIRC
4502X	48.94	46.37	225	VC	CIRC
4503X	49.518	45.318	225	VC	CIRC
4504X	48.463	44.473	225	VC	CIRC
4505X	46.513	43.583	225	VC	CIRC
4551X	46.31		225	VC	CIRC
4552X			525	VC	CIRC
4553X	48.96	47.47	150	VC	CIRC
4554X	49.58	47.02	300	VC	CIRC
4555X	48.89	47.25	300	VC	CIRC
4607X			UNK	VC	CIRC
4651X	48.26	47.51	225	VC	CIRC
5001X	48.76		225	VC	CIRC
5002X			225	VC	CIRC
5003X	45.48		225	VC	CIRC
5101X	48.42	45.39	225	VC	CIRC
5102X	48.43	45.32	225	VC	CIRC
5103X	47.8	45.07	225	VC	CIRC
5104X	48.49	46.68	150	VC	CIRC
5151X	48.49	47.22	225	VC	CIRC
5153X	47.77		225	VC	CIRC
5201X	47.61	44.87	225	VC	CIRC
5202X	47.89	44.5	225	VC	CIRC
5203X	47.68	44.91	150	VC	CIRC
5205X	47.8	44.74	225	VC	CIRC
5206X	48.26	45.35	150	VC	CIRC
5207X	48.06	45.78	150	VC	CIRC
5208X	47.76	45.11	150	VC	CIRC
5251X	47.66	46.29	375	VC	CIRC
5252X	47.72	46.52	525	CP	CIRC
5253X	48.08		300	VC	CIRC
5254X	48.05	46.77	375	VC	CIRC
5255X	48.18		375	VC	CIRC
5301X	47.46	44.43	225	VC	CIRC
5351X	47.92	46.42	525	CP	CIRC
5352X	49.16	47.36	375	CP	CIRC
5353X	49.29	47.87	375	CP	CIRC
5354X	49.58	47.97	375	CP	CIRC
5355X	50.71	47.75	225	VC	CIRC
5356X	51.18	49.88	225	VC	CIRC
5403X	49.36	47.74	225	VC	CIRC
5404X	49.76	47.81	225	VC	CIRC
5405X	50.6	48.86	225	VC	CIRC
5452X	51.65	50.06	150	VC	CIRC
5454X	50.05	48.4	150	VC	CIRC
5455X	49.37	48.03	225	VC	CIRC
5456X	50.04	48.95	225	VC	CIRC
5502X	51.12	47.59	225	VC	CIRC
5503X	50.8	47.72	225	VC	CIRC
5504X	50.86	47.31	225	VC	CIRC
5505X	50.622	46.02	225	VC	CIRC *
5505Y	50.622	46.182	225	VC	CIRC *
5506X	50.69	47.9	225	VC	CIRC
5507X			100	VC	CIRC
5508X			100	VC	CIRC
5509X			100	VC	CIRC
5510X			100	VC	CIRC
5552X	51.08	48.64	375	VC	CIRC
5553X	50.66	48.42	375	VC	CIRC
5555X	51.07	47.77	375	VC	CIRC
5556X	50.77	48.26	375	VC	CIRC
5557X	50.45	46.72	525	VC	CIRC
6001X	58.41	55.65	150	PF	CIRC
6002X	59.63	56.94	150	VC	CIRC
6003X	58.62	56.01	150	VC	CIRC
6004X	58.16	55.75	150	VC	CIRC
6005Y	58.27		150	VC	CIRC *
6005X	58.27		150	VC	CIRC *
6051X	59.52	56.72	150	VC	CIRC
6052X	58.58	55.8	150	VC	CIRC
6053X	58.24	55.4	150	VC	CIRC
6103X	58.39		150	VC	CIRC *
6103Y	58.39		150	VC	CIRC *
6104Y	58.13		150	VC	CIRC *
6104X	58.13		150	VC	CIRC *
6161X			150	VC	CIRC
6162X			150	VC	CIRC
7101X	63.55		225	VC	CIRC
7102X			150	VC	CIRC
7103X			UNK	UNK	CIRC
7104X			UNK	UNK	CIRC
710DX			225	VC	CIRC
7201X	63.4	59.94	225	VC	CIRC
7202X	62.99	59.68	225	VC	CIRC
7301X	63.03	57.1	225	VC	CIRC
7302X			UNK	UNK	CIRC
7501X	60.43	58.73	150	VC	CIRC
7504X			150	VC	CIRC
7505X			UNK	UNK	CIRC
7506X			UNK	UNK	CIRC
7507X	60.96	56.45	225	VC	CIRC
7508X			UNK	UNK	CIRC
7551X	60.13	57.56	150	VC	CIRC
7552X	60.99		150	VC	CIRC
7553X	61.1	60.02	150	VC	CIRC
8101X	64.02	62.17	150	VC	CIRC
8103X			100	VC	CIRC
812DX			100	VC	CIRC
813DX			100	VC	CIRC
814DX			100	VC	CIRC
8201X	63.85	60.47	225	VC	CIRC
8202X			UNK	UNK	CIRC
8203X			UNK	UNK	CIRC
8401X	59.35	56.42	225	VC	CIRC
8402X	59.69	56.85	225	VC	CIRC
9001X			150	UNK	CIRC
9002X			150	UNK	CIRC
9101X	64.02	60.73	150	VC	CIRC
9102X	63.48	60.69	150	VC	CIRC
9103X			UNK	UNK	CIRC
9104X			UNK	UNK	CIRC
9105X			UNK	UNK	CIRC
9106X			UNK	UNK	CIRC
911DX	59.99		150	VC	CIRC
914DX			150	UNK	CIRC
9401X	59.29	55.84	225	VC	CIRC
9501X	54.15	51.69	225	VC	CIRC
9502X	57.08	54.54	225	VC	CIRC
950DX			UNK	UNK	UNK
951DX			UNK	UNK	UNK
9551X	54.1	52.16	300	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 Akatherm
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

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, Mi=e (SW)
Flushing ch, Mi=e (F&C)
Flushing ch, Ne=e (SW)
Flushing ch, Ne=e (F&C)
Demarcation Chamber

LEGEND - SEWERS

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
B Barrel
C Circular
E Egg
H Horseshoe
R Reclangular
S Square
T Trapezoidal
U U Shape
X Other

NODE REFERENCING SYSTEM

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

Drawn by:	rogersc
Title:	304366 - Neswick House School
Date:	09/08/2018

Southern Water

Gas

Our Ref: 13473986 Your Ref: Woodlands Meed

Thursday, 09 August 2018

Thank you for your enquiry dated Thursday, 09 August 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

SGN
Your gas. Our network.

Contact Us

Mapping Enquiries:
All areas

General Enquiries:
All areas

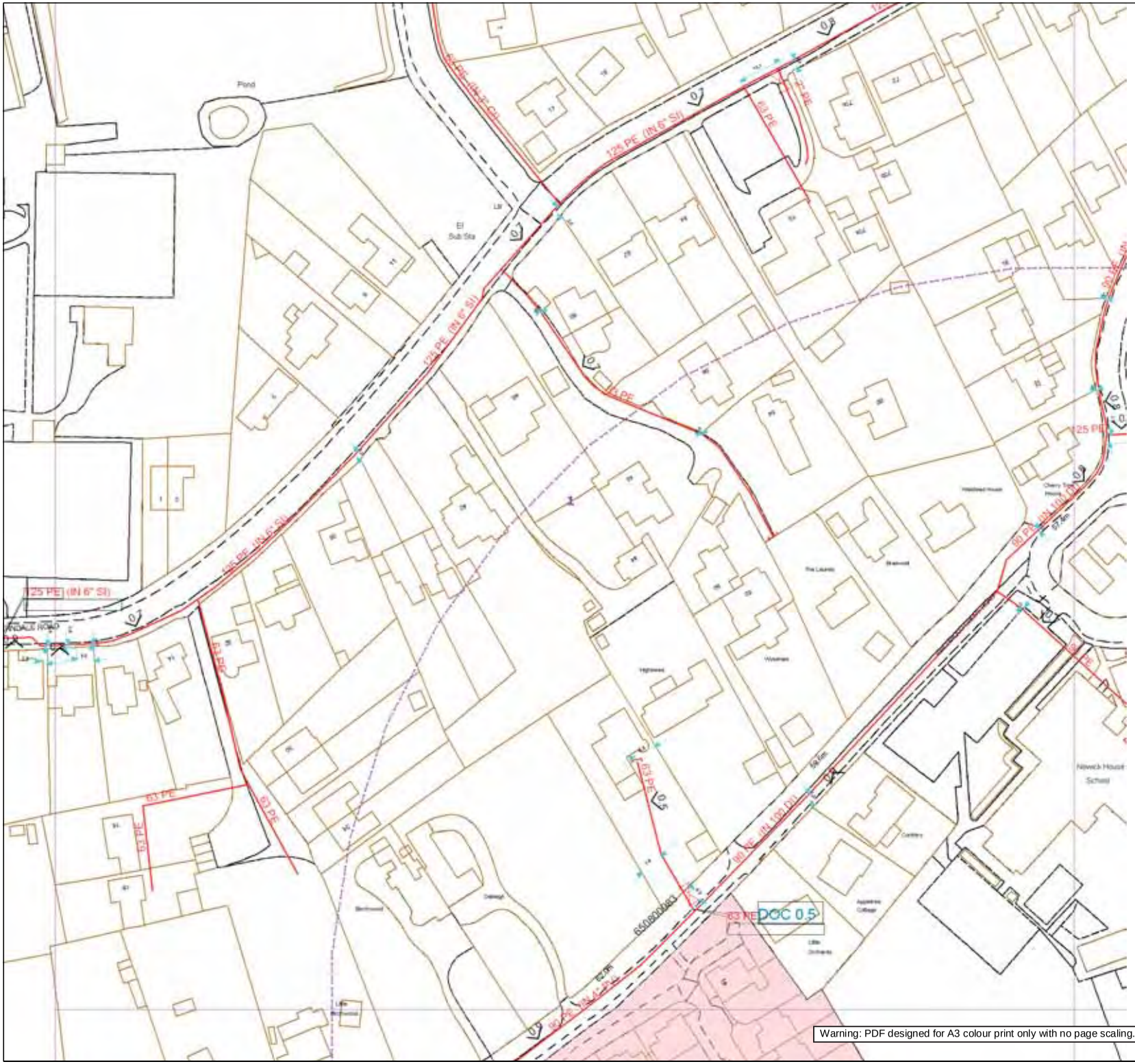
This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from 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

Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
LAs
GTs
SSSIs

Some Examples Of Plant Items
Valve
Syphon
Depth of Cover
Diameter Change
Material Change

Digsite:
Line:
Area:



N W E S

SGN
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Contact Us

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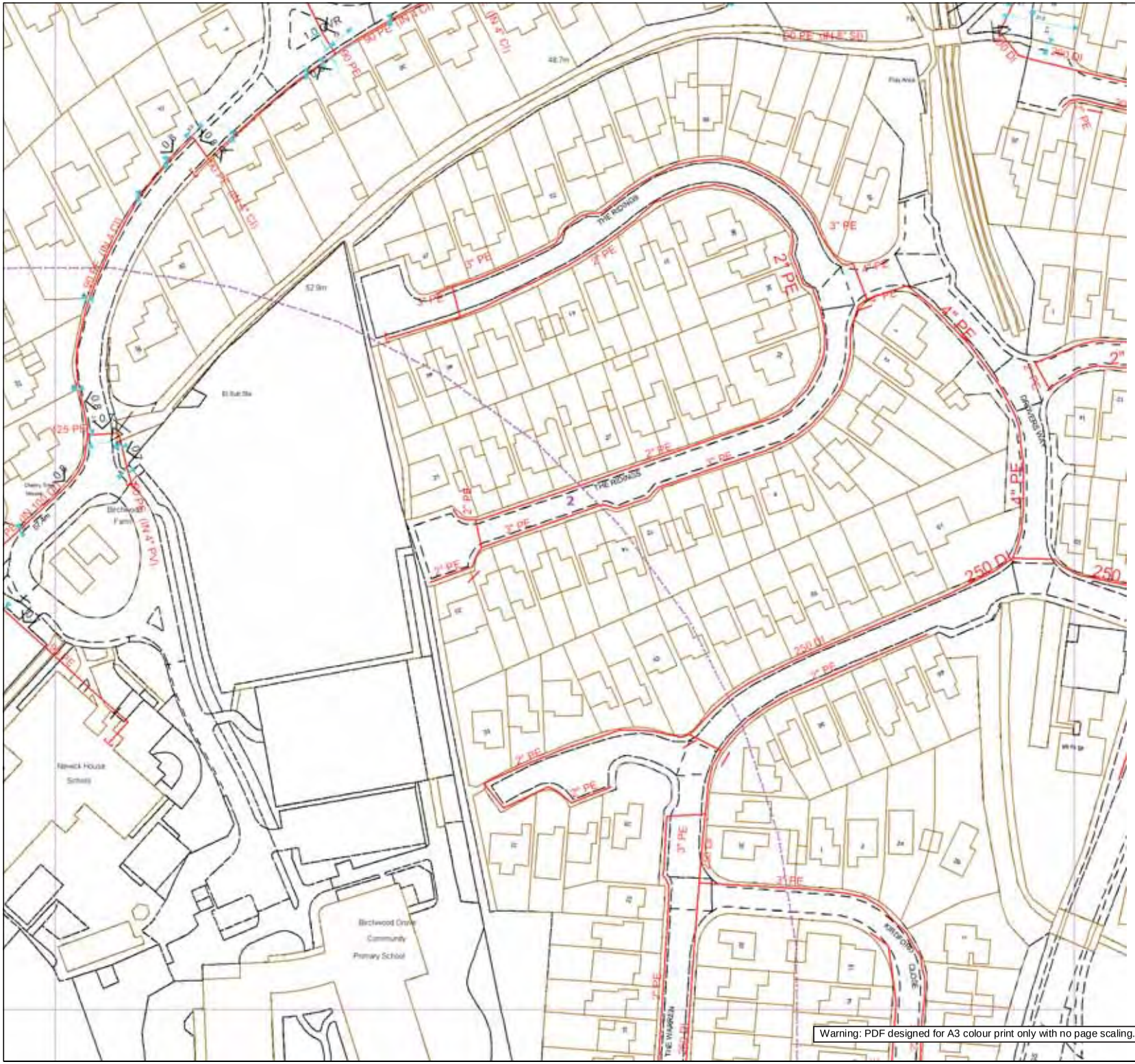
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
LAs
GTs
SSSIs

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

Digsite: Line: Area:



N
W E
S

SGN
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Contact Us

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All areas

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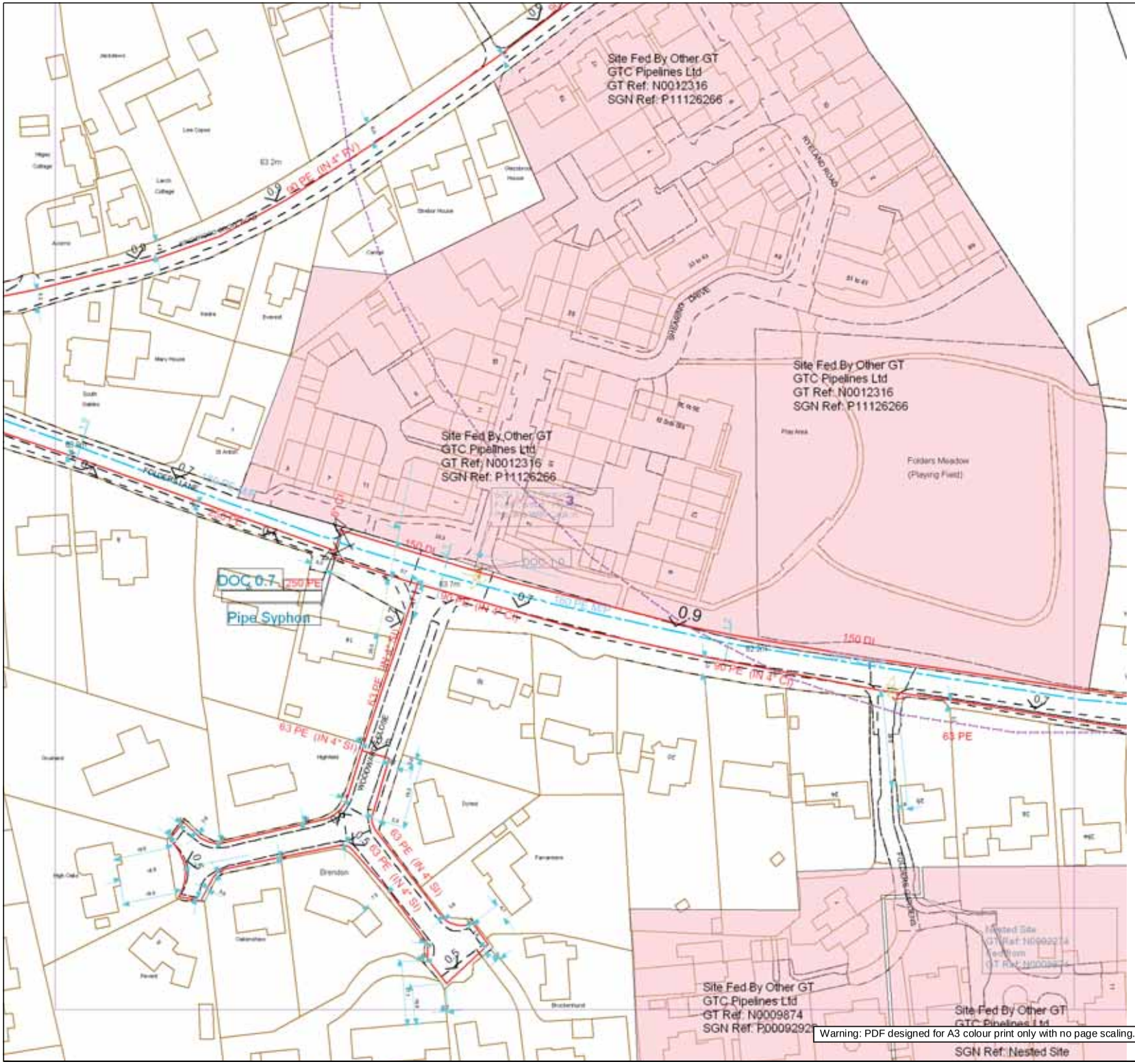
Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
LAs
GTs
SSSIs

Some Examples Of Plant Items

Valve | Syphon | Depth of Cover | Diameter Change | Material Change

Digsite: Line: Area:



N
W E
S

SGN
Your gas. Our network.

Contact Us

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All areas

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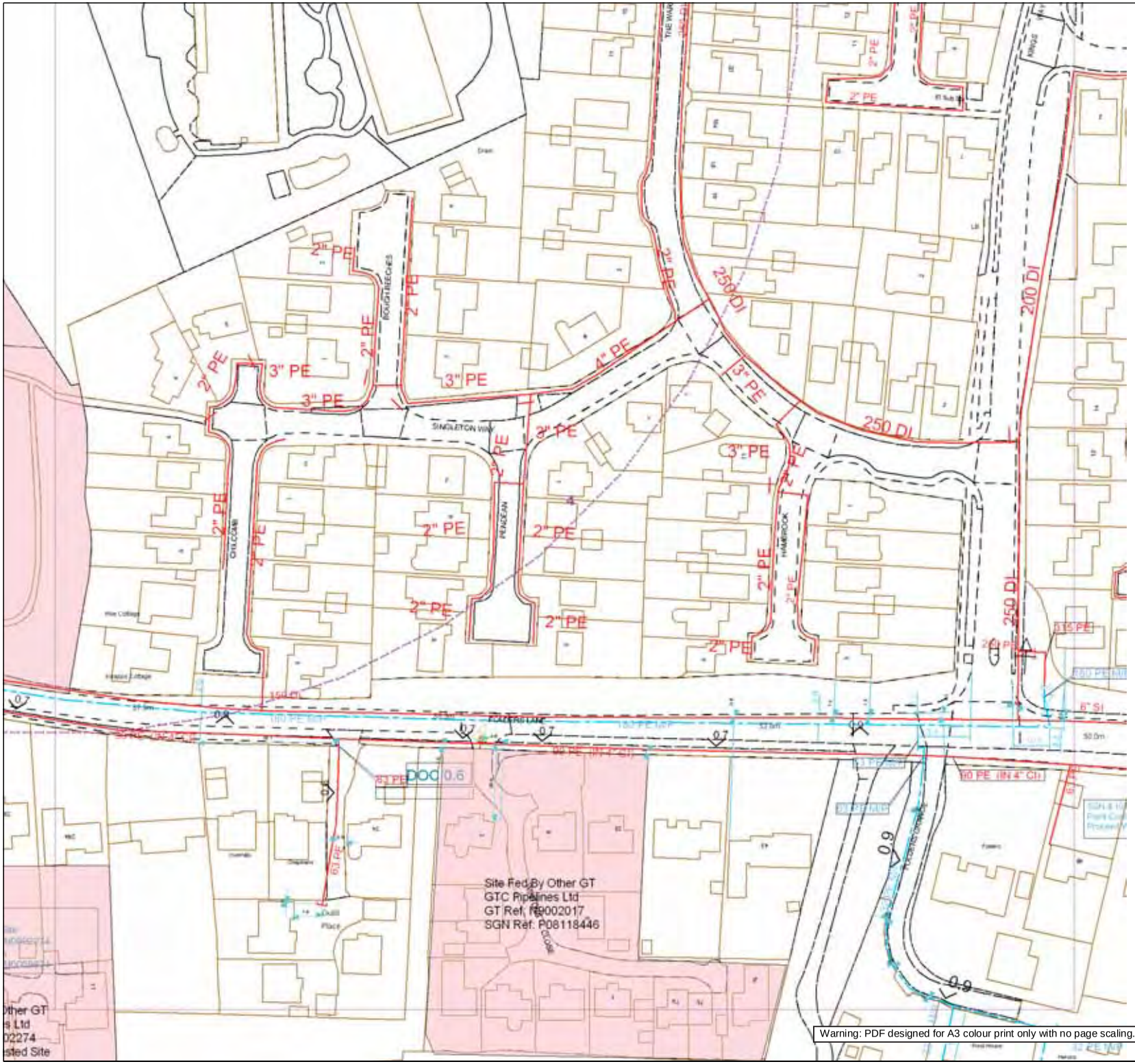
Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
LAs
GTs
SSSIs

Some Examples Of Plant Items
Valve Syphon Depth of Cover Diameter Change Material Change

Digsite: Line: Area:



Contact Us

Mapping Enquiries:
All areas

General Enquiries:
All areas

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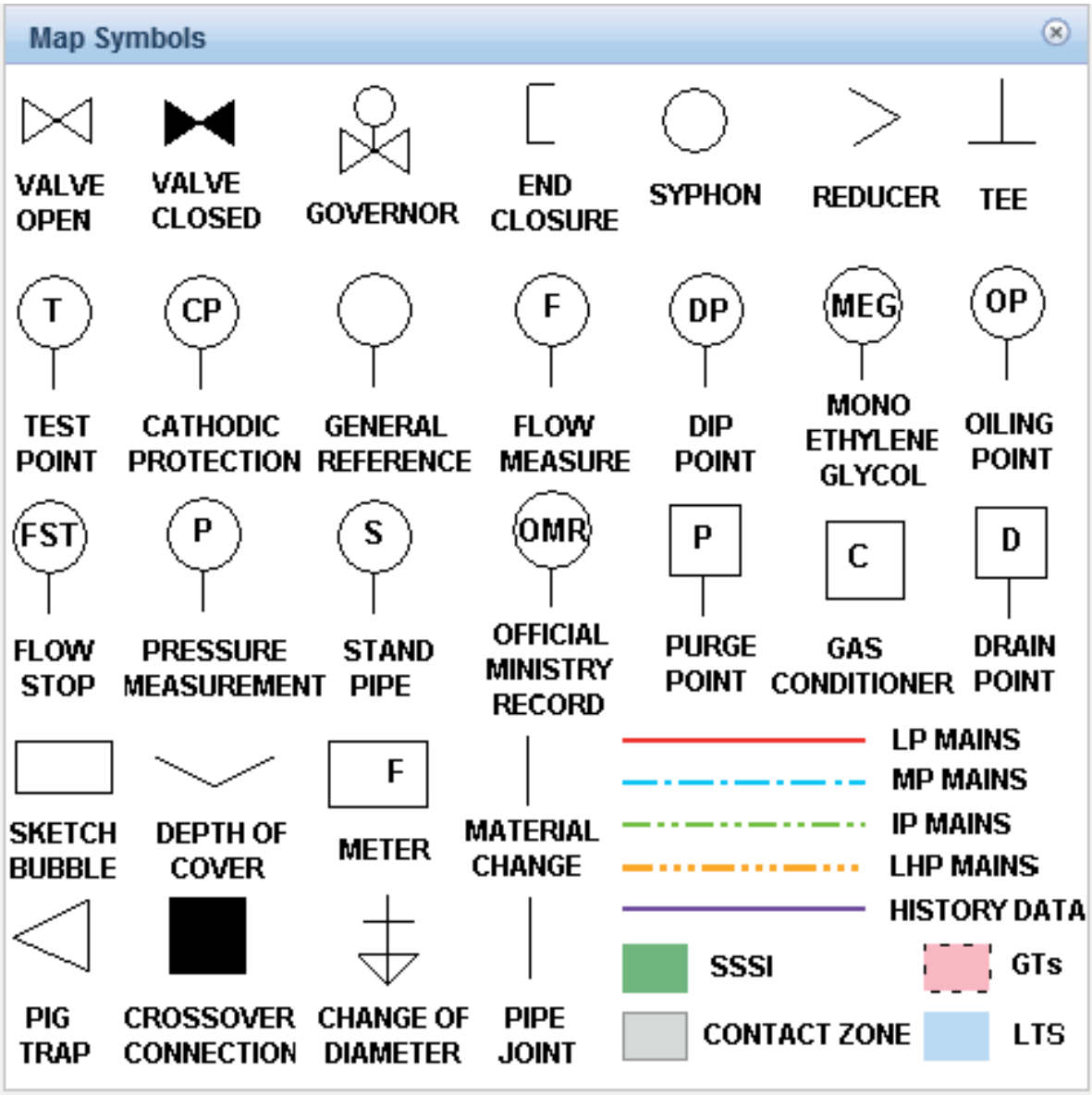
Some Examples Of Plant Items
Valve | Syphon | Depth of Cover | Diameter Change | Material Change

Digsite: Line: Area:

Warning: PDF designed for A3 colour print only with no page scaling.


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

SGN

Your gas. Our network.

Dig safely

Measures to avoid injury and damage to gas pipes

The following protective and precautionary measures MUST be taken when working in the vicinity of gas mains and services.

It is the responsibility of the property owner or company carrying out the work to make sure they've complied with the relevant legislation and Health and Safety Executive (HSE) guidance, eg HS(G)47. In practice, this means that whoever is carrying out the work MUST obtain gas mains location information and/or maps showing the indicative position of the gas network before any work takes place.

To avoid injury to yourself, your employees, colleagues and the general public you MUST suitably mark the position of the pipes on site.

HS(G)47 outlines best practice that should be followed to ensure you work safely:

1. Plan the work, obtain maps.
2. Detecting, identifying and marking underground services.
3. Safe excavation and safe digging practices.

In addition to the requirements under the Health and Safety At Work etc. Act 1974 to prevent injuries to employees and others (not employed), it is an offence under regulation 15 of the Pipelines Safety Regulations 1996 to cause damage to a pipeline (which includes gas mains and services as well as higher pressure pipelines) so as to give rise to a danger to persons.

You MUST make sure that current full colour copies of our maps are issued to all relevant personnel on site and they're aware of the presence and location of our gas mains and services prior to any excavation.

In a gas emergency

If you cause a gas leak or suspect a main or service pipe or equipment is leaking, you MUST take the following emergency actions immediately:

- **Ask people to move away from the area of the gas escape.**
- **Call 0800 111 999 immediately.**

1. **Don't** attempt to repair the escape or stop the leakage.
2. As gas may enter buildings, ask people in the surrounding premises to **leave** until it's safe for them to return.
3. **Stop** anyone going near the immediate vicinity of the gas escape.
4. **Prohibit** smoking and extinguish all naked flames.
5. **Don't** use mobile phones or other ignition sources.
6. **Assist** our representatives and other emergency services such as the police, ambulance, and fire service as requested.

Additional reference material

- SGN guidance for Safe Working in the Vicinity of Pipelines & Associated Installations operating >7barg. Applicable for HP only.
- HS(G)47 **Avoiding Danger from Underground Services** available from **hse.gov.uk**
- NJUG **Utilities Guidance on Positioning and Colour Coding of Apparatus** available from **njug.org.uk**

Making an enquiry for gas mains or services maps

Please visit our **Dig safely** pages on **sgn.co.uk** for plant protection information and links to our online mapping system and other associated information and guidance.

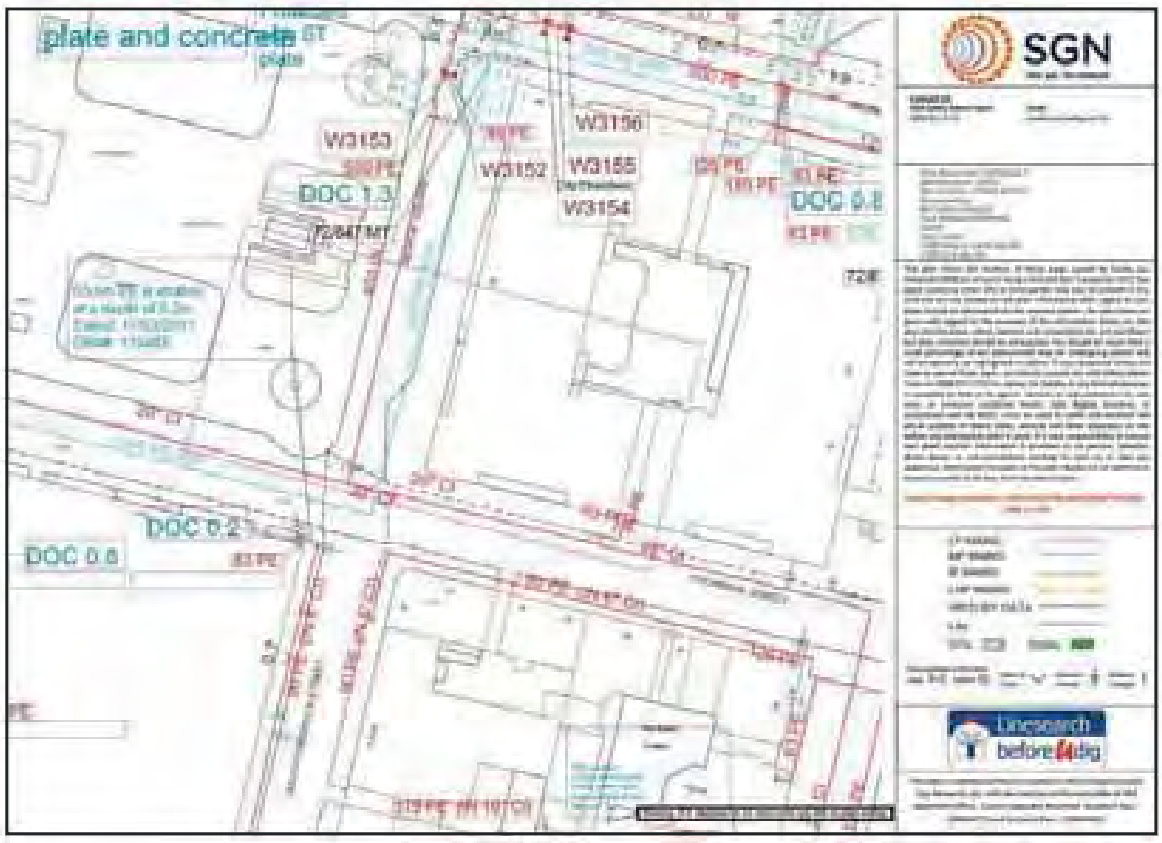
Our simple and easy to use online mapping system is available 24/7, 365 days a year.

You'll need to register/log in and provide a few details about your site location and the work you'll be carrying out. We'll respond immediately by email.

What you're likely to be sent

You'll be sent an email with a map. This will be an extract from our gas mains record, showing your site and any of our gas pipes as well as relevant safety information.

We always send out safety information, however we may forward your enquiry on to a local plant protection officer or a pipelines engineer to make direct contact with you depending on the work location.



Example of a gas map

Note: Service pipes are not shown on our maps

When working near our gas mains and services

Safe system of work

To satisfy ourselves that work in the vicinity of our gas mains is being carried out safely, we may ask for a copy of your risk assessment and/or method statement paperwork.

Where work falls under the Construction (Design and Management) Regulations 2015 reference to our gas mains and services MUST be made within your site Health and Safety file.

Financial

Every reasonable precaution MUST be taken to avoid personal injury or damage to our gas network at all times.

If we incur any costs to repair direct or consequential damage or divert any gas main or service, you'll be recharged in full.

HSE

Any damage to our gas mains or services will be subject to legislative reporting responsibilities to the Health and Safety Executive under Reporting of Injuries, Diseases & Dangerous Occurrences Regulations 2013, Gas Safety Management Regulations 1996, and the Pipelines Safety Regulations 1996.

Minimum safe working distances

Depending on the activity being undertaken and the gas mains or services you are working within the vicinity of, there are different safe distances that MUST be adhered to. SGN plant protection officers or pipeline engineers will inform you of these if required.

Surface boxes and manholes

Do not bury or move our surface boxes. Free access MUST be maintained during and after your work. No manhole cover or other structure can be built over, around or under a gas main, and no work is to be carried out that results in a reduction or increase in cover or protection without prior written agreement.

Deep excavations

Adequate protection, approved by us, MUST be applied for any deep excavations in the vicinity of our gas mains and services that may affect its security and integrity. Ground movement around gas mains MUST be prevented. We MUST be contacted if a sewer trench or any other water authority is to be constructed at greater than 1.5 metres depth near a buried gas main or service pipe. You MUST give us detailed drawings showing the line and width of the proposed sewer or other trench, together with the soil group classification of the area concerned.

Crossing our mains or services

The placing of heavy construction plant, equipment, materials or the passage of heavy vehicles over our gas mains is prohibited unless specifically agreed protective measures (ie the construction of reinforced crossing points) have been carried out. This is particularly important where reductions in side support or ground cover are planned. You MUST NOT carry out any work in servitudes/easements without our prior written consent.

Exposed plant

Where excavations in the vicinity of our gas mains affect its support, the plant MUST be adequately supported and protected in consultation with us and to our satisfaction. It MUST be protected from impact, restraints and thrust blocks, and supports MUST NOT be removed without our agreement.

Hot work

One of our representatives should be present when welding or other hot work involving naked flames is being carried out near our gas mains, as there's potential for heat damage to plastic pipeline/coatings.

Backfilling

Concrete backfill should not be placed closer than 300mm to our mains. No concrete or hard material should be placed under or adjacent to any of our gas mains. Shuttering MUST be constructed to maintain the stated clearances and prevent fresh concrete encasing our mains or services. Material used for backfill around our gas mains MUST conform to the following:

- If sand, it MUST be well-graded in accordance with BS EN 12620:2002.
- It MUST NOT contain any sharp particles (stones, bricks, lumps or corrosive materials).
- Foamed concrete MUST NOT be used.
- It MUST be laid to a minimum depth of 250mm above the crown of the gas main.

Note: Power ramming MUST NOT take place until a 300mm hand rammed layer has been completed over the crown of the main.

Access

Free access to our sites, mains and services, including temporary structures and spoil heaps MUST be available at all times.

Mechanical excavation

Mechanical excavators (including breaker attachments) MUST NOT be used within the following distances from the confirmed location of our gas mains and services shown on our gas maps without prior agreement:

Type of mains and services	Gas map identification	Hand excavation required inside	Pipe pressure indication shown on map
Low Pressure (LP)	0 – 75mbar	0.5 metres	
Medium Pressure (MP)	75mbar to 2 bar	0.5 metres	
Intermediate Pressure (IP)	2 – 7 bar	3.0 metres	
High Pressure (HP)	Above 7 bar	You must seek approval from us prior to any work	

Major accident hazard pipelines

High pressure pipeline

No work is to take place near an HP pipeline until it is agreed with us. After agreement and before any work does take place, the location of our pipeline MUST be marked up and its position confirmed by digging trial holes with our personnel in attendance.

Pipeline markers

High pressure

We will be involved in any work taking place near high pressure pipelines. We will provide you with additional information that you MUST familiarise yourself with before carrying out any work.

The default method of excavating near high pressure gas pipelines MUST always be by hand.

Wind turbines

The UK Onshore Pipelines Operations Association (UKOPA) has identified the appropriate exclusion zone (distance from the base of the wind turbine mast to the edge of the pipeline) as 1.5 times the turbine height. Contact MUST be made with us during the planning stages of a wind turbine or wind farm.

Tree planting

If trees or shrubs are to be planted in the vicinity of our gas mains and services, the selection of tree or shrub type and how it's planted MUST be considered carefully. This is to avoid root damage to buried mains or services, and to ensure our subsequent excavations for main repair and maintenance won't damage the trees or shrubs.

Written approval from us MUST be obtained before any tree planting is carried out on a servitude/easement. Any approval we grant to plant trees

The following trees and those of similar size (deciduous or evergreen) MUST NOT be planted within 6m of the centre line of the main: ash, beech, birch, most conifers, elm, maple, lime, horse chestnut, oak, and sycamore. Apple and pear trees are also included in this category.

Dwarf apple stocks may be planted up to 3m of the centre line of the main.

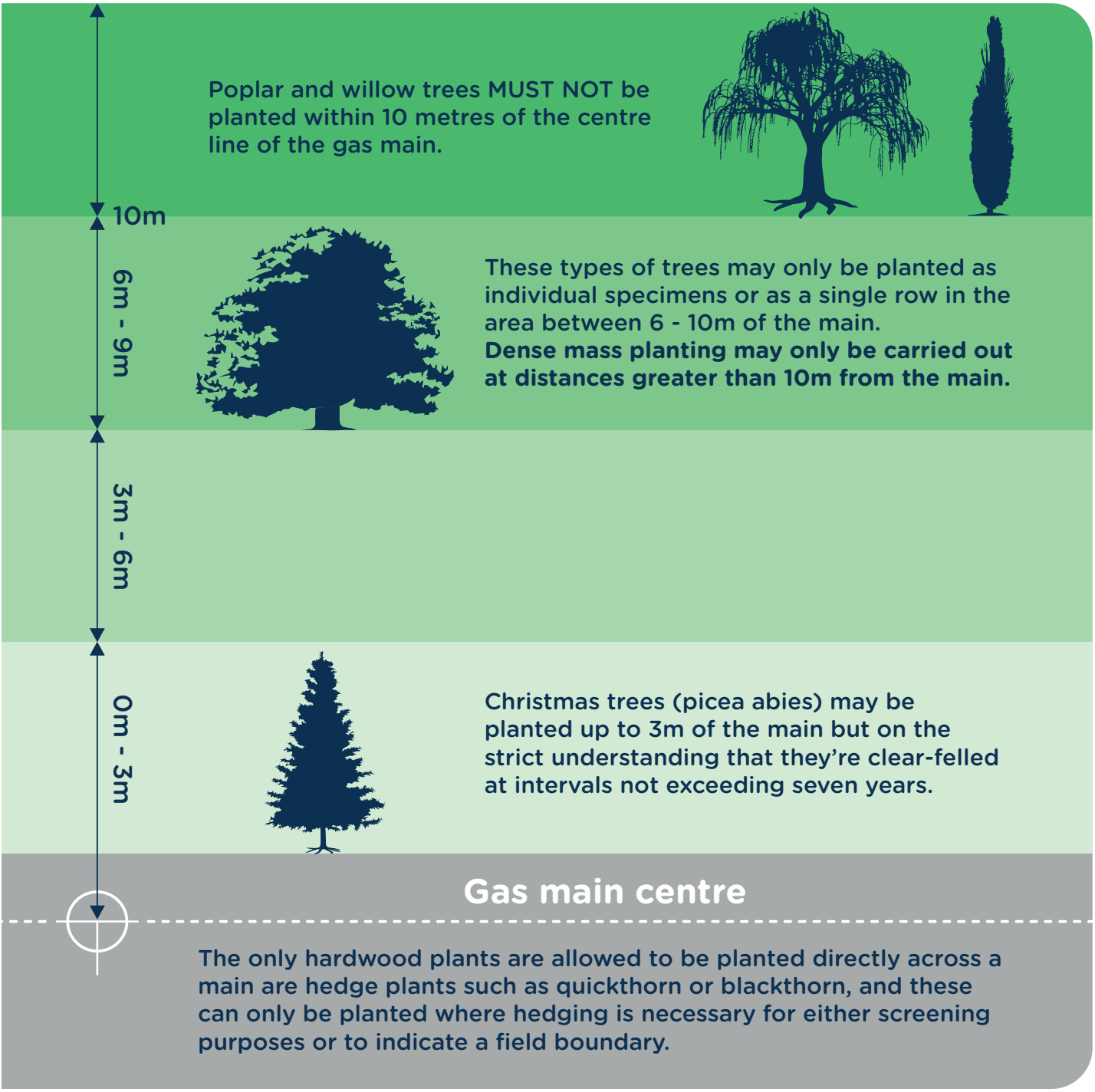
In cases where screening is required, the following are shallow rooting and may be planted close to the gas mains and services: blackthorn, broom, cotoneaster, elder, hazel, laurel, quickthorn, privet, snowberry and most ornamental shrubs.

Gas main centre

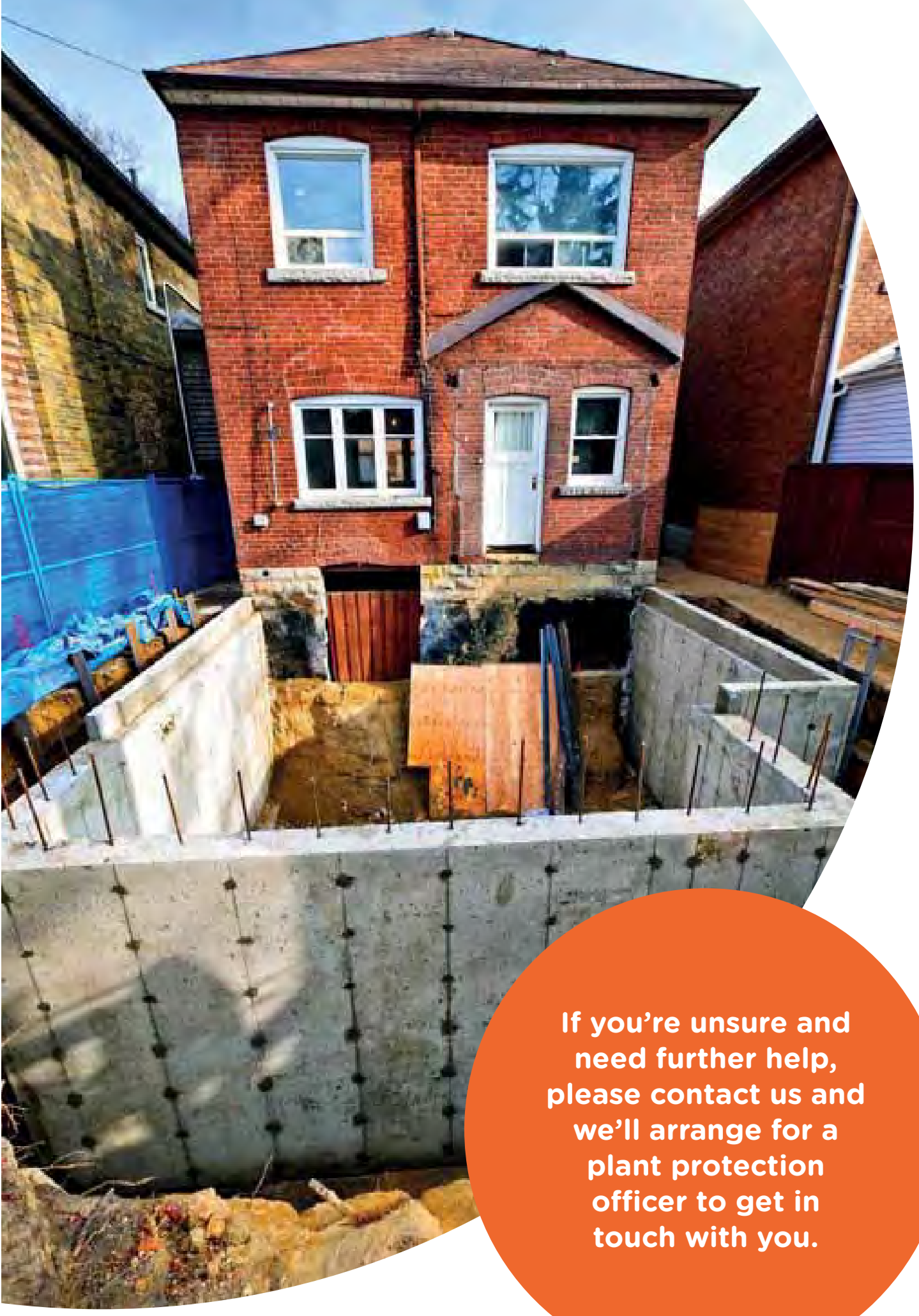
Raspberries, gooseberries and blackcurrants may be planted on the gas main, but a four metre strip, centred on the main, MUST be left clear at all times.

on a servitude/easement will be subject to us retaining the right to remove any tree, which in our opinion may become a danger to our mains in the future.

The written consent to plant trees will state what area may be planted and also the type of tree. The diagram details the specific species and the distances they MUST be planted from gas mains or services. You MUST contact us for further information.



Note: For further guidance, please refer to NJUG 10.



If you're unsure and need further help, please contact us and we'll arrange for a plant protection officer to get in touch with you.

Gas services/work in gardens

If you're going to be carrying out work around your home, or a third party is carrying out work on your behalf, we may send you a site map of our gas mains and services but your own gas service won't be marked.

The simplest way to understand the location of your gas service is to know where it enters your house.

< Your gas service pipe usually takes the shortest route to the gas main, as shown on the sample network map/drawing.

We provide a free plant location enquiry service and we're always happy to help.

Visit our **Dig safely** pages on **sgn.co.uk**

0800 912 1722 *

*All calls are recorded and may be monitored

SGN064N (03/17)

Warning: GTC Apparatus Exists in This Area

Our Plant Enquiry Service Ref: 756629
Your Enquiry Ref: Woodlands Meed

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.

N0012316

Electric

- EN0012316-1_1_of_3.png
- EN0012316-1_2_of_3 (Contestable).png
- EN0012316-1_3_of_3 LRC.png

Gas

- N0012316-1_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

SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE in their document HSG47 "Avoiding Danger from Underground Services", ISBN 0-7176-1744-0. No party should carry out any excavation works or other intrusive works such as piling, blasting or demolition without following the guidance in HSG47.

2. We own gas, electricity, water and fibre apparatus located in the highway, private property and through the countryside. Some plant may be located in land for which a wayleave or easement has been granted & there may be no surface evidence of the presence of apparatus.

3. Ensure that you have obtained detailed plans of existing and proposed gas, electricity water and fibre networks.

4. The position of the networks should be pinpointed as accurately as possible by reference to the plans and by means of a locating device, which has been tested and calibrated within the last twelve months.

   Excavation work should be carried out where applicable, and carefully follow recognised safe digging practices. Once a locating device has been used to determine position and route, excavation may proceed; trial holes should be dug using suitable hand tools to confirm the position of buried networks. During excavation the locating device should be reused to check position and route of buried apparatus.

5. Hand-held power tools can damage buried apparatus and should be used with care until the exact position has been determined. They may only be used to break a paved or concrete surface above the network, unless there are any indications that the network is particularly shallow, in such circumstances, accuracy of plant location is determined and excavation initiated adjacent to the apparatus.

6. No manhole, chamber or other structure should be built over, around or under the network. Such structures, other pipes, ducts and cables should be laid to provide a minimum clearance from the network of 300mm or 1.5 times the diameter of the network, whichever is the greater. No work should be carried out if this minimum clearance cannot be met or which results in a reduction of cover or protection over the network, without first consulting GTC.

7. Where an excavation uncovers a network apparatus the backfill should be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network should be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and should be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction should take place until 200mm cover of selected fine fill has been suitably compacted by hand tools.

8. If the road construction is close to the top of the network, GTC should be asked about necessary precautions. The road construction depth should not be reduced without permission from the local Highway Authority.

9. Costs incurred by GTC through direct or consequential damage will be recharged.

Precautions for Gas Networks

10. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed.

11. The depth of cover for gas mains is normally 750mm in carriageways and grass verges and 600mm in footways. The depth of cover for gas services is normally 450mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

12. Plastic gas pipes should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

13. The danger created by damaging a gas pipe with an excavator is much greater than if the damage is done with a hand-held power tool (the opposite is true for work near electricity cables and this is reflected in the different safe digging practices). Gas pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 500mm of a gas pipe.

14. If a gas leak is suspected, the following action should be taken immediately:

    - Remove all people from the immediate vicinity of the escape. If the service connection to a building or the adjacent main has been damaged, warn the occupants to leave the building, and any adjoining building, until it is safe for them to return. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building. Gas leaking from the damage inside or gas travelling along the line of the service connection pipe from outside the building may cause a build-up of gas within the building.
    - Prohibit smoking, and extinguish all naked flames and other sources of ignition i.e. stop excavator and compressor engines within at least 5.0m of the leak.
    - Inform National Grid by dialling **0800 111 999**
    - Remain on site.
    - Assist National Grid staff, Police or Fire Services as requested.

15. Where gas pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the gas pipe or cause excessive loading over the gas pipe then GTC must be consulted.

16. No concrete or other hard material should be placed or left under or adjacent to any gas pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a gas pipe.

17. Where an excavation uncovers a gas pipe with a damaged wrapping, GTC should be told, so that repairs can be made to prevent future corrosions and leakage.

18. Pipe restraints or thrust blocks close to gas mains should never be removed.

19. Anyone who carries out work near underground gas plant should observe any specific requirements made by the site manager, and ensure that access to the plant by National Grid Gas and GTC staff is available at all times. No unauthorised repairs to gas pipes should be made.

20. Where excavation is within 5 metres proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small impulse pipe work that is more susceptible to damage.

21. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

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

    - using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment
    - piling or boring within 15m of gas plant
    - excavating within 10m of pressure reduction equipment
    - reducing the cover or protection of a gas pipe
    - carrying out nearby deep excavations
    - working near our intermediate pressure (IP) mains.

Precautions for Electricity Networks

23. Plans do not always show the presence of electric service cables (from the electricity main to premises) but their existence should be assumed.

24. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried cable. Even if no cables are shown on plans or detected by a locator, there may still be cables present, which could be live and a close watch should be kept for any signs which could indicate their presence such as marker tape, tape tile, concrete tiles and wooden battens. Any marker which is disturbed by our excavations must be replaced once work is completed.

25. Typically underground cables are laid in trenches between 450mm and 1.0m deep, although some high voltage cables will be deeper, however, depths should never be assumed.

26. A cable is positively located only when it has been safely exposed. Even then, digging should still proceed with care as there may be other cables adjacent or lower down.

27. Occasionally, cables are terminated in the ground by means of a seal, sometimes with external mechanical protection. These “pot ended” or “bottle ended” cables should be treated as live and should not be assumed to be abandoned or disused. They can be difficult to detect with locators even when “live”.

28. Using hand held power tools to break up hard surfaces often leads to accidents. Where practicable, such power tools should only be used 500mm or more away from the indicated line of a cable buried in or below a hard surface. Having done so, the cable should then be positively located by careful hand digging under the hard surface. The hard surface should be gradually removed until the cable is exposed. If the cable is not exposed then it must be assumed to be embedded within the surface. Where possible a cable locator should be used as a depth guide down the side of the excavation.

29. Because of the difficulty in confirming depth, hand held power tools should never be used over the cable unless either:

    - the cable has already been exposed by digging under the surface to be broken out and it is at a safe depth (at least 300mm) below the bottom of the hard surface material; or
    - physical precautions have been taken to prevent the tool striking the cable.

30. Excavating close to electricity cables buried in concrete is dangerous and should not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.

31. Using mechanical means to break up concrete can cause damage to cables and if the cable is live, anyone present is likely to be injured.

32. Where mechanical excavators are used in the possible vicinity of underground cables, the work should be arranged so that damage to cables is avoided so far as is reasonably practicable and so that everyone is kept well clear of the excavator bucket while it is digging. Drivers should have been instructed to stay in the cab if a cable is struck. If they have to leave the cab, they should jump clear. If drivers climb down, they may be electrocuted. When a cable is struck, a watch should be kept on the machine and no one should go down into the excavation or approach the mechanical excavator or the cable until GTC are contacted and arranged for the damaged cable to be made safe.

33. Where cables have been exposed:

    - any damage should be reported to GTC immediately on **0800 032 6990** and work should not be undertaken in the vicinity of a damaged cable until GTC has investigated its condition;
    - for more than 1.0m and they cross a trench, support should be provided. If the exposed cable length is shorter than 1.0m support should still be considered if joints have been exposed or the cable appears otherwise vulnerable to damage. Where advice and help is needed contact GTC;

- Suitable precautions should be taken to prevent damage from on-going work in the excavation. This may involve for example the use of physical means (e.g. timber boards, sandbags etc) to prevent mechanical damage. Materials or equipment which could damage or penetrate the outer sheath of the cable should not be used. Cables lying in the bottom of an excavation are particularly vulnerable and should be protected by nail free wooden planks, troughing or other suitable means;
- cables should not be moved aside unless the operation is supervised by GTC;
- Precautions should be taken to prevent access by members of the public.

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

- using explosives within 30m of plant or substations piling or boring within 15m of electric plant
- excavating within 10m of a substation
- carrying out nearby deep excavations
- working near our HV plant.

Precautions for Water Networks

35. Plans do not always show the presence of water service pipes (from the water main to premises) but their existence should be assumed.

36. The depth of cover for water mains is normally 750mm in carriageways and grass verges and 750mn footways. The depth of cover for water services is normally 450mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

37. Water mains should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

38. The danger created by damaging a water pipe with an excavator is much greater than if the damage is done with a hand-held power tool (the opposite is true for work near electricity cables and this is reflected in the different safe digging practices). Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 500mm of a water pipe.

39. If a water leak is suspected, the following action should be taken immediately:

- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
- Shut down all working plant and machinery in the vicinity of the damage

- Inform IWNL by dialling **02920 028 711**.
- Remain on site.
- Do not attempt to make a repair.
- Assist GTC, approved contractors and Police or Fire Services as requested.

40. Where water pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the water pipe or cause excessive loading over the water pipe then GTC must be consulted.

41. No concrete or other hard material should be placed or left under or adjacent to any water pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a water pipe.

42. Where an excavation uncovers a water pipe with a damaged wrapping, GTC should be told, so that repairs can be made to prevent future corrosions and leakage.

43. Pipe restraints or thrust blocks close to water mains should never be removed.

44. Anyone who carries out work near underground water plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to water pipes should be made.

45. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

46. GTC should be consulted if it is intended to carry out any of the following activities:
    - using explosives within 30m of plant
    - piling or boring within 15m of water plant
    - excavating within 10m of water asset structures
    - reducing the cover or protection of a water main or service
    - carrying out nearby deep excavations

Precautions for Fibre Networks

47. Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.

48. Chambers with IFNL marked lids can be used as an onsite indictor that GTC have fibre plant deployed in a given area however an exclusion of their presence does not necessarily mean there is no plant present.

49. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried fibre duct. Even if no ducts are shown on plans there may still be ducts present which could have live fibre service installed. A close watch should be kept for any signs which could indicate duct presence such as marker tape. Any marker which is disturbed by our excavations must be replaced once work is completed.

50. The depth of cover for fibre duct is normally 350mm in footways and grass verges, 600mm in carriageways and 1000mm in agricultural deployments. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

51. Fibre ducts should be located by hand digging before mechanical excavation begins. When the positions and depth of the ducts have been determined, work can proceed. Even then, digging should still proceed with care as there may be other ducts adjacent or lower down.

52. If fibre duct damage is suspected, the following action should be taken immediately:

- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage at the point of impact. For example, damage to a fibre connection outside the building may result in further, unseen damage to the connection inside the building.
- Shut down all working plant and machinery in the vicinity of the damage
- Inform IFNL NOC immediately on **0845 051 1669**.
- Remain on site.
- Do not attempt to make a repair.

53. Where fibre ducts cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress on the duct. For ducts parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the duct from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the fibre duct or cause excessive loading over the fibre duct then GTC must be consulted.

54. No concrete or other hard material should be placed or left under or adjacent to any fibre duct as this can cause damage to the duct at a later date. Any backfill should comply with the requirements of NRSWA. Concrete backfill should not be used within 300mm of a fibre duct.

55. Anyone who carries out work near underground fibre plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to fibre ducts should be made.

56. Where fibre ducts have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

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

Electric

Registered Office:
Newington House
237 Southwark Bridge Road
London SE1 6NP

Registered in England and Wales No: 3870728

Company:
UK Power Networks (Operations) Limited

Our Ref: 13473986 Your Ref: Woodlands Meed

Thursday, 09 August 2018

Thank you for contacting us regarding UK Power Networks equipment at the above site. I have enclosed a copy of our records which show the electrical lines and/or electrical plant. I hope you find the information useful.

I have also enclosed a fact sheet which contains important information regarding the use of our plans and working around our equipment. Safety around our equipment is our number one priority so please ensure you have completed all workplace risk assessments before you begin any works.

Should your excavation affect our Extra High Voltage equipment (6.6 KV, 22 KV, 33 KV or 132 KV), please contact us to obtain a copy of the primary route drawings and associated cross sections.

If you have any further queries do not hesitate to contact us.

Plan Provision
0800 056 5866

Registered Office:
Newington House
237 Southwark Bridge Road
London SE1 6NP

Registered in England and Wales No: 3870728

Company:
UK Power Networks (Operations) Limited

This information is made available to you on the terms set out below. If you do not accept the terms of use set out in this fact sheet please do not use the plans and return them to UK Power Networks.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.

2. UK Power Networks does not exclude or limit its liability if it causes the death of any person or causes personal injury to a person where such death or personal injury is caused by its negligence.

3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise how for any loss, damage, costs, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.

4. The information about UK Power Networks electrical plant and/or electric lines provided to you belongs to and remains the property of UK Power Networks. You must not alter it in any respect.

5. The information provided to you about the electrical plant and/or electric lines depicted on the plans may NOT be a complete record of such apparatus belonging to UK Power Networks. The information provided relates to electric lines and/or electrical plant belonging to UK Power Networks that it believes to be present but the plans are not definitive: other electric lines and/or electrical plant may be present and that may or may not belong to UK Power Networks.

6. Other apparatus not belonging to UK Power Networks is not shown on the plan. It is your responsibility to make your own enquiries elsewhere to discover whether apparatus belonging to others is present. It would be prudent to assume that other apparatus is present.

7. You are responsible for ensuring that the information made available to you is passed to those acting on your behalf and that all such persons are made aware of the contents of this letter.

8. Because the information provided to you may not be accurate, you are recommended to ascertain the presence of UK Power Networks electric lines and/or electrical plant by the digging of trial holes. Trial holes should be dug by hand only.

   Excavations must be carried out in line with the Health and Safety Executive guidance document HSG 47. We will not undertake this work. A copy of HSG 47 can be obtained from the Health and Safety Executives website.

   All electric lines discovered must be considered LIVE and DANGEROUS at all times and must not be cut, resited, suspended, bent or interfered with unless specially authorised by UK Power Networks.

   The electric line and electrical plant belonging to UK Power Networks remains so even when made dead and abandoned and any such electric line and/or electrical plant exposed shall be reported to UK Power Networks.

   Where your works are likely to affect our electric lines and/or electrical plant an estimate of the price of any protective /diversionary works can be prepared by UK Power Networks Branch at Metropolitan House, Darkes Lane, Potters Bar, Herts. , EN6 1AG, telephone no. 0845 2340040

Registered Office:
Newington House
237 Southwark Bridge Road
London SE1 6NP

Registered in England and Wales No: 3870728

Company:
UK Power Networks (Operations) Limited

9 Any work near to any overhead electricity lines must be carried out by you in accordance with the Health and Safety Executive guidance document GS6 and the Electricity at Work Regulations.

The GS6 Recommendations may be purchased from HSE Books or downloaded from the Energy Networks Association's website.

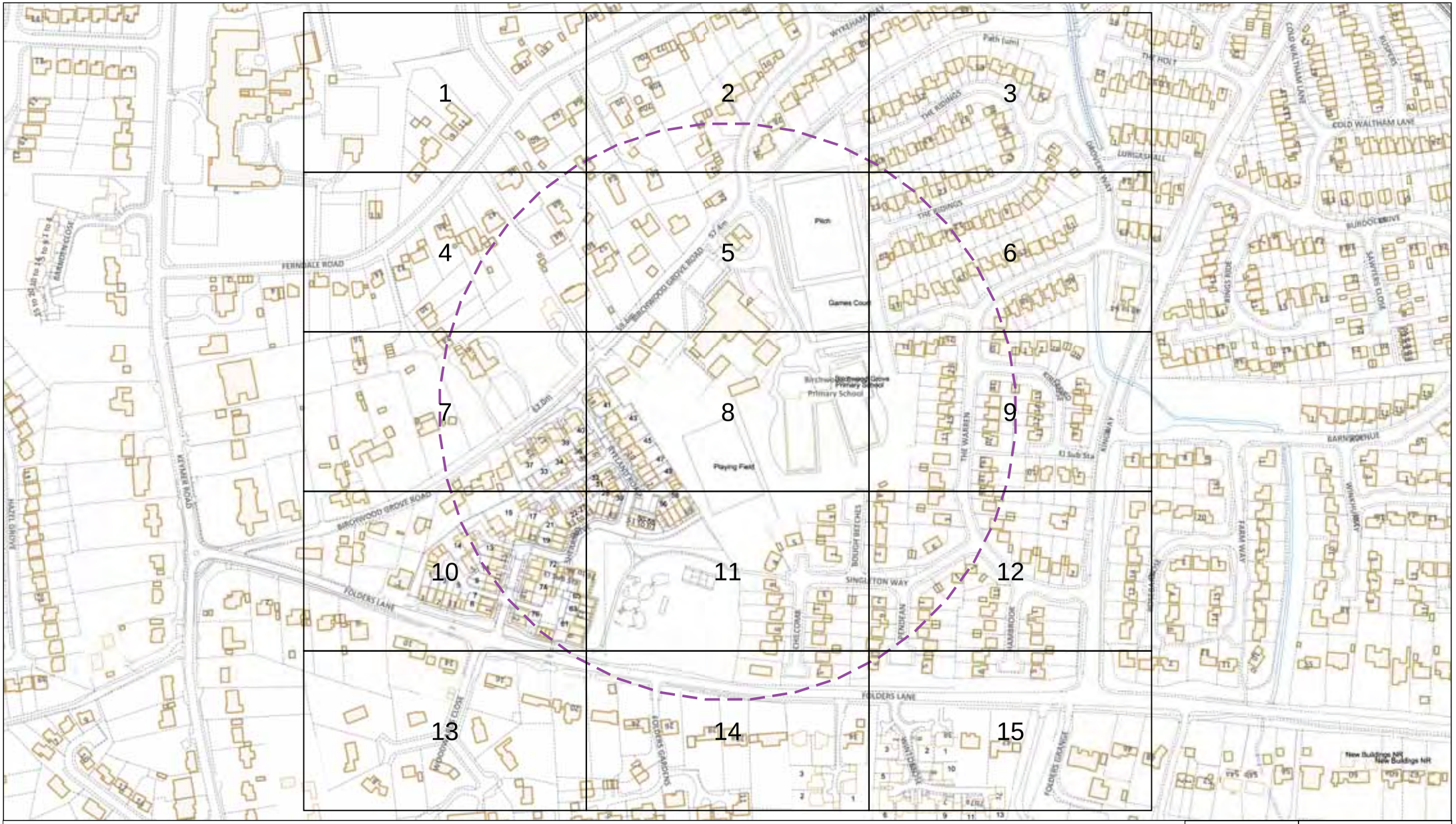
If given a reasonable period of prior notice UK Power Networks will attend on site without charge to advise how and where "goal posts" should be erected. If you wish to use this service, in the first instance please telephone: 0845 6014516 between 08:30 and 17:00 Monday to Friday.

10. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

11. If in carrying out work on land in, on, under or over which is installed an electric line and/or electrical plant that belongs to UK Power Networks you and/or anyone working on your behalf damages (however slightly) that apparatus you must inform immediately UK Power Networks by our emergency 24 hour three digit telephone number **105** providing;

- your name, address and telephone number;
- the date, time and place at which such damage was caused;
- a description of the electric line and/or electrical plant to which damage was caused;
- the name of the person whom it appears to you is responsible for that damage;
- the nature of the damage.

12. The expression "UK Power Networks" includes UK Power Networks (EPN) plc, UK Power Networks (LPN) plc, UK Power Networks (SEPN) plc, UK Power Networks and any of their successors and predecessors in title.



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EMERGENCY - If you damage a cable or line
Phone 0800 783 8838
(24hrs) URGENTLY

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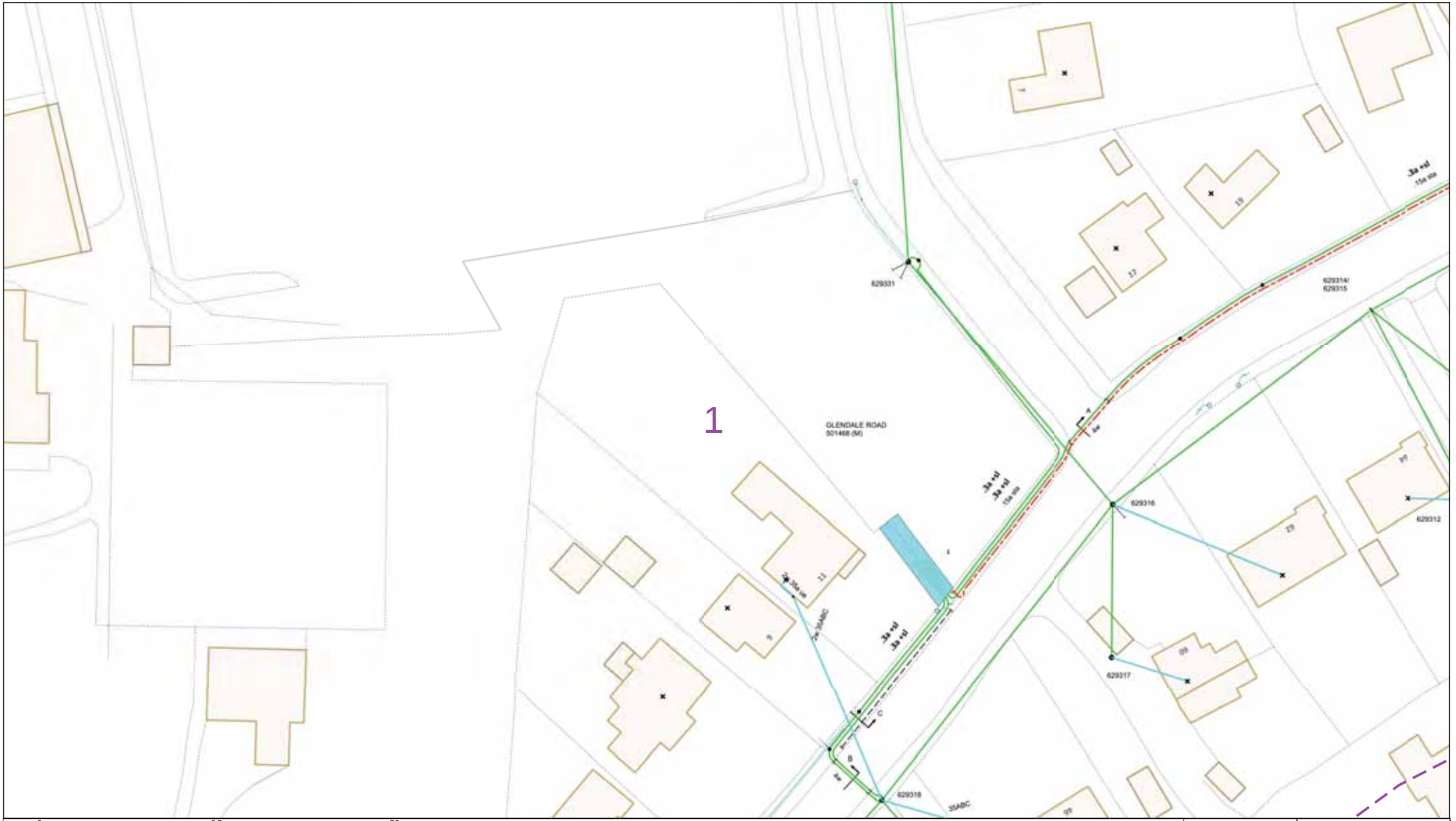

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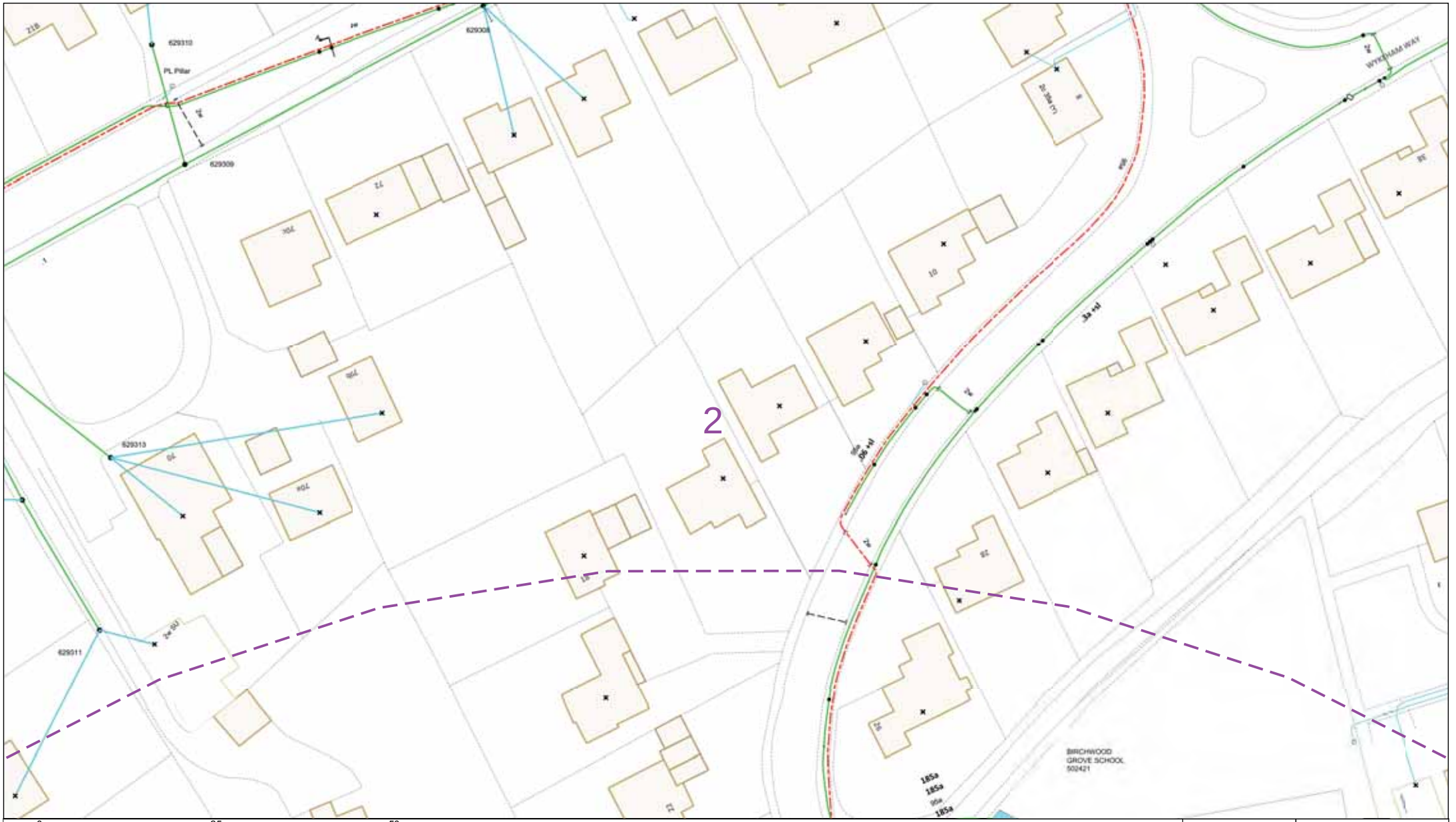

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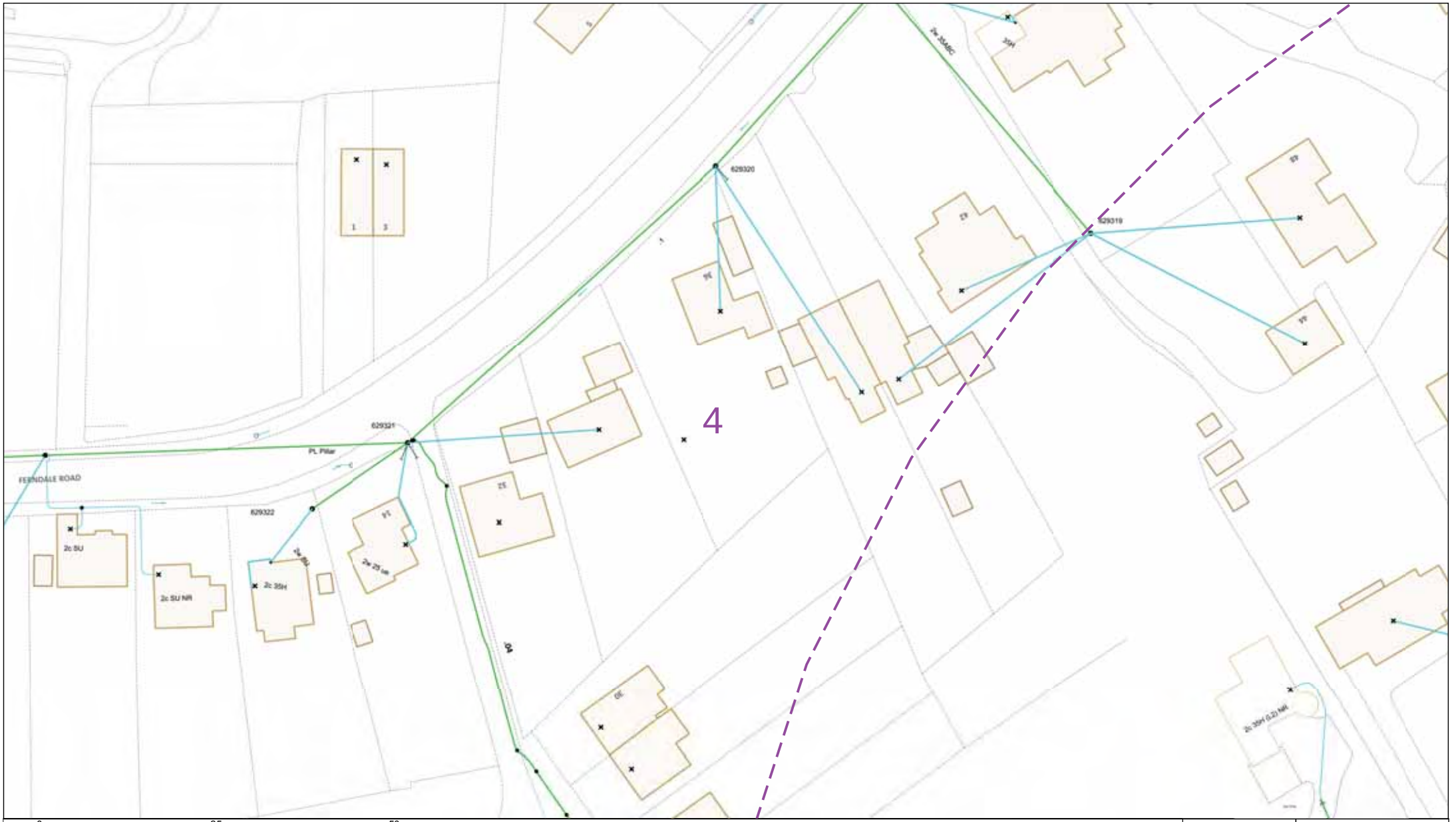

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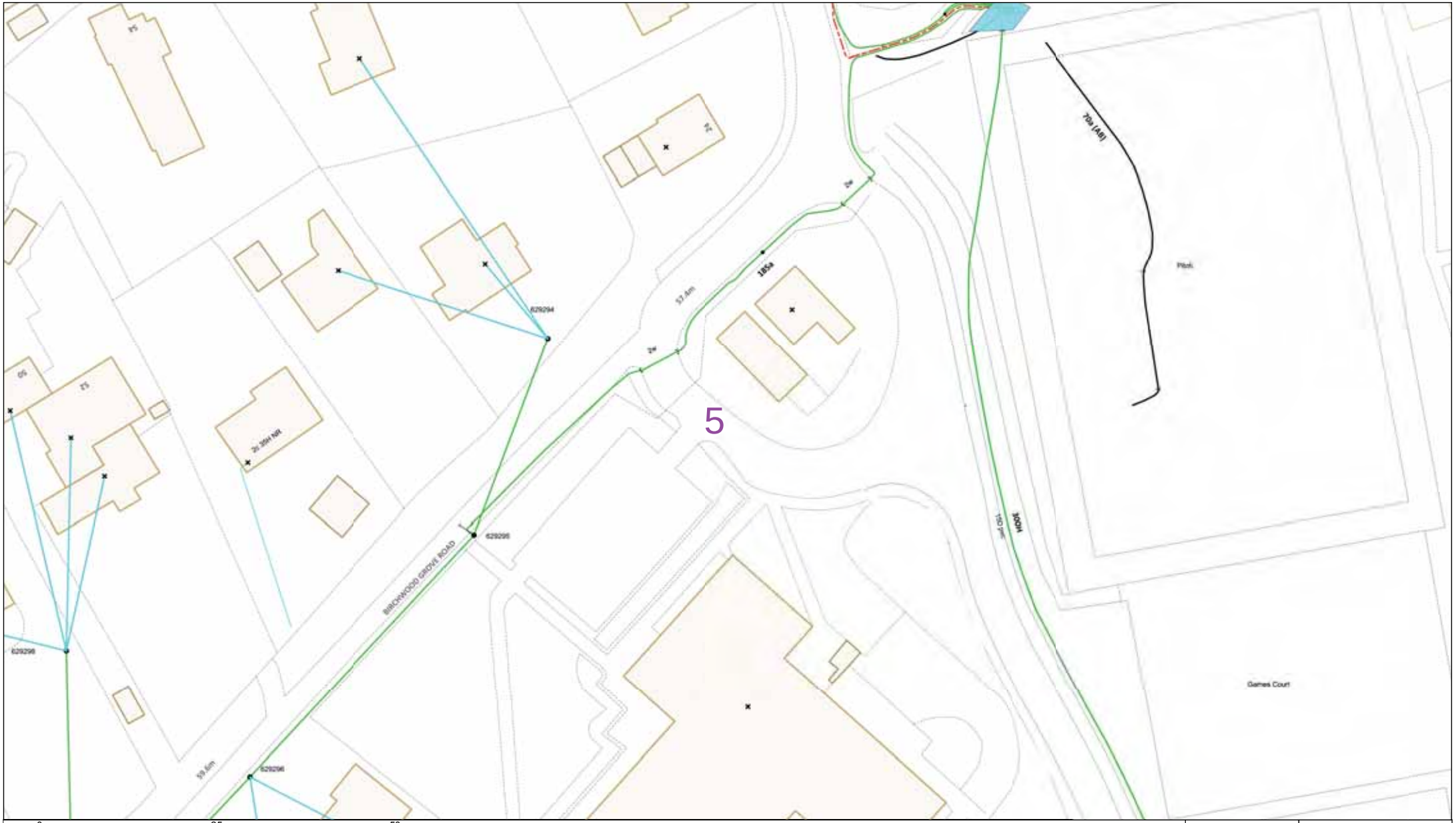

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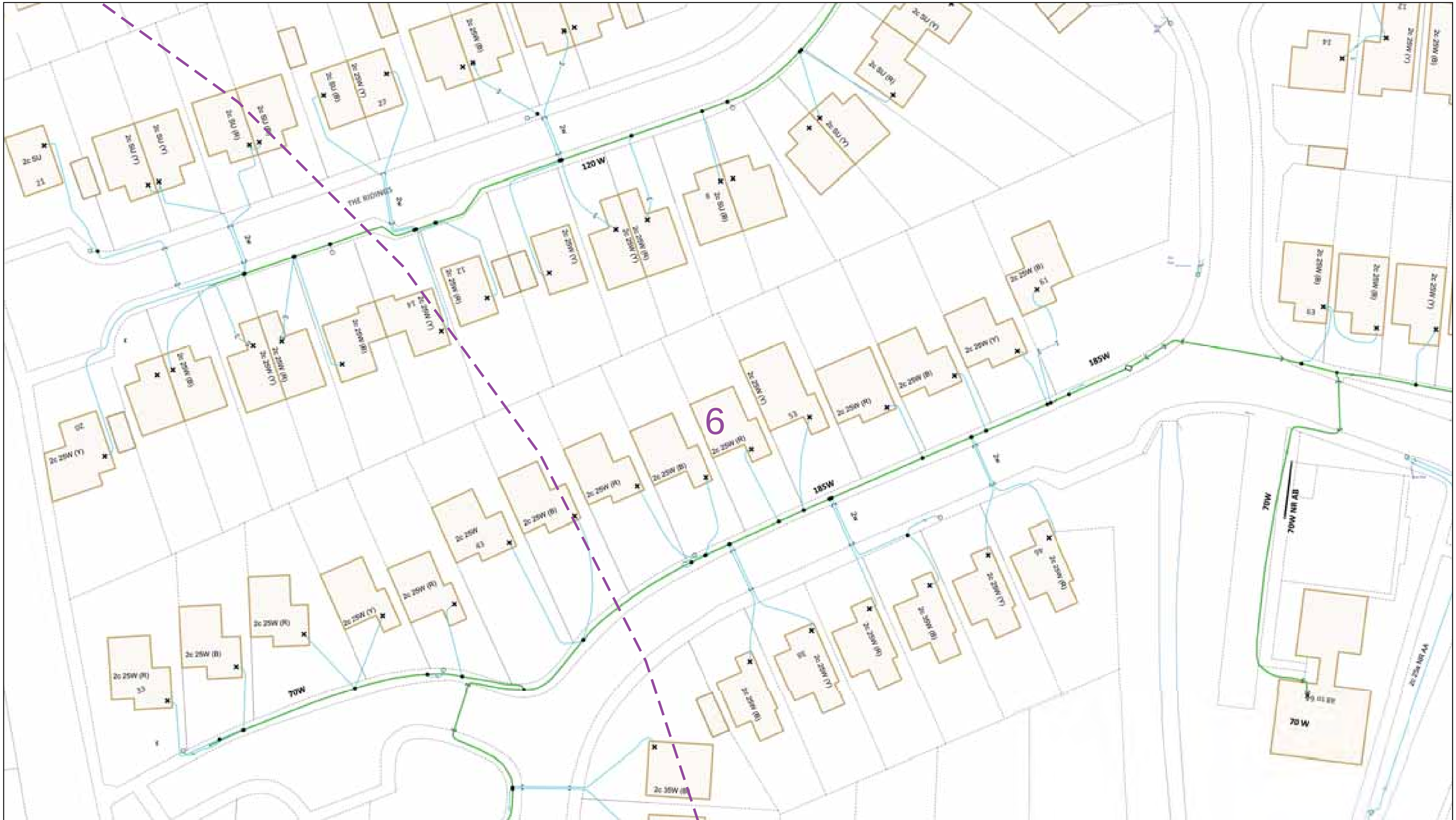

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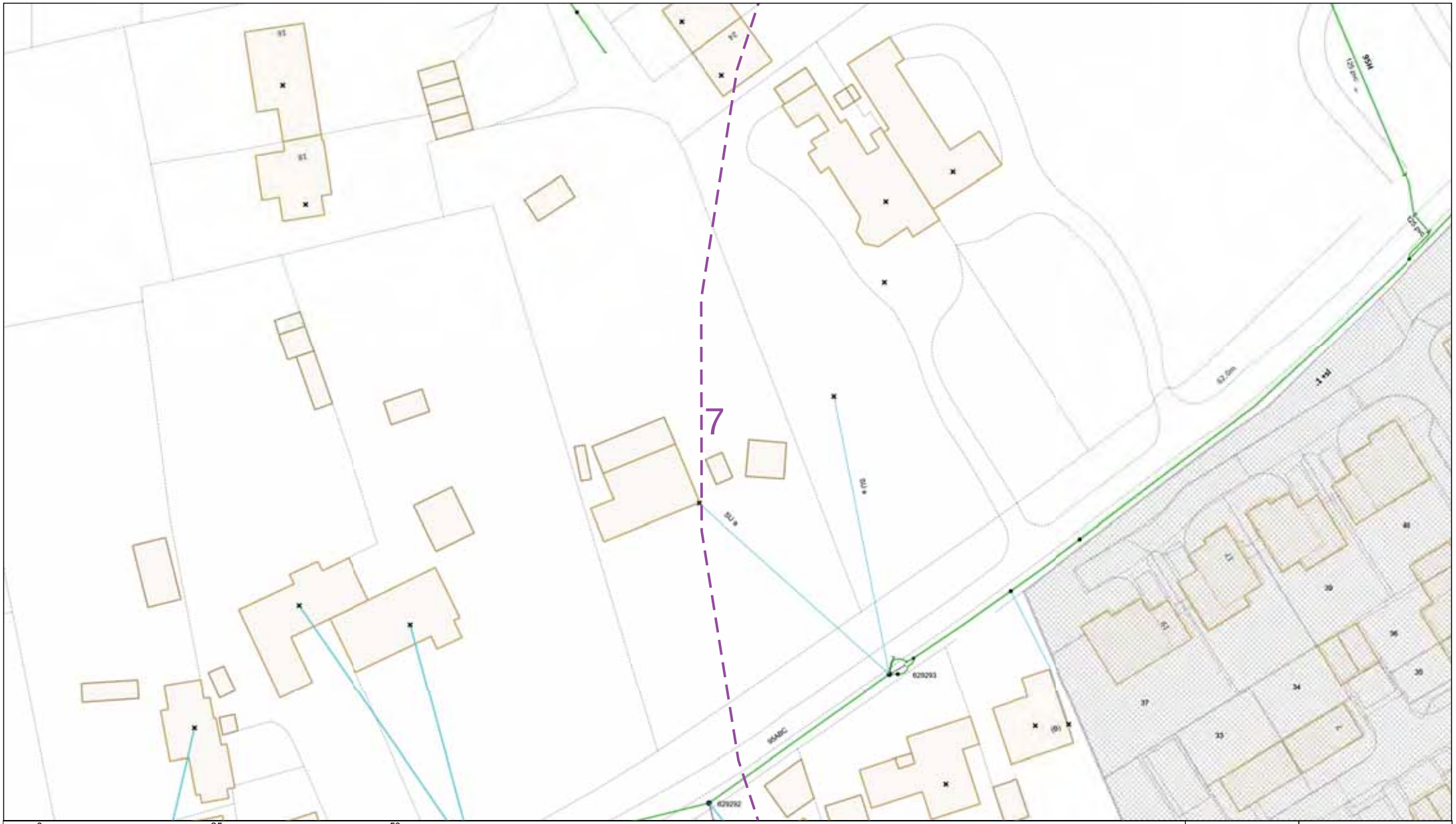

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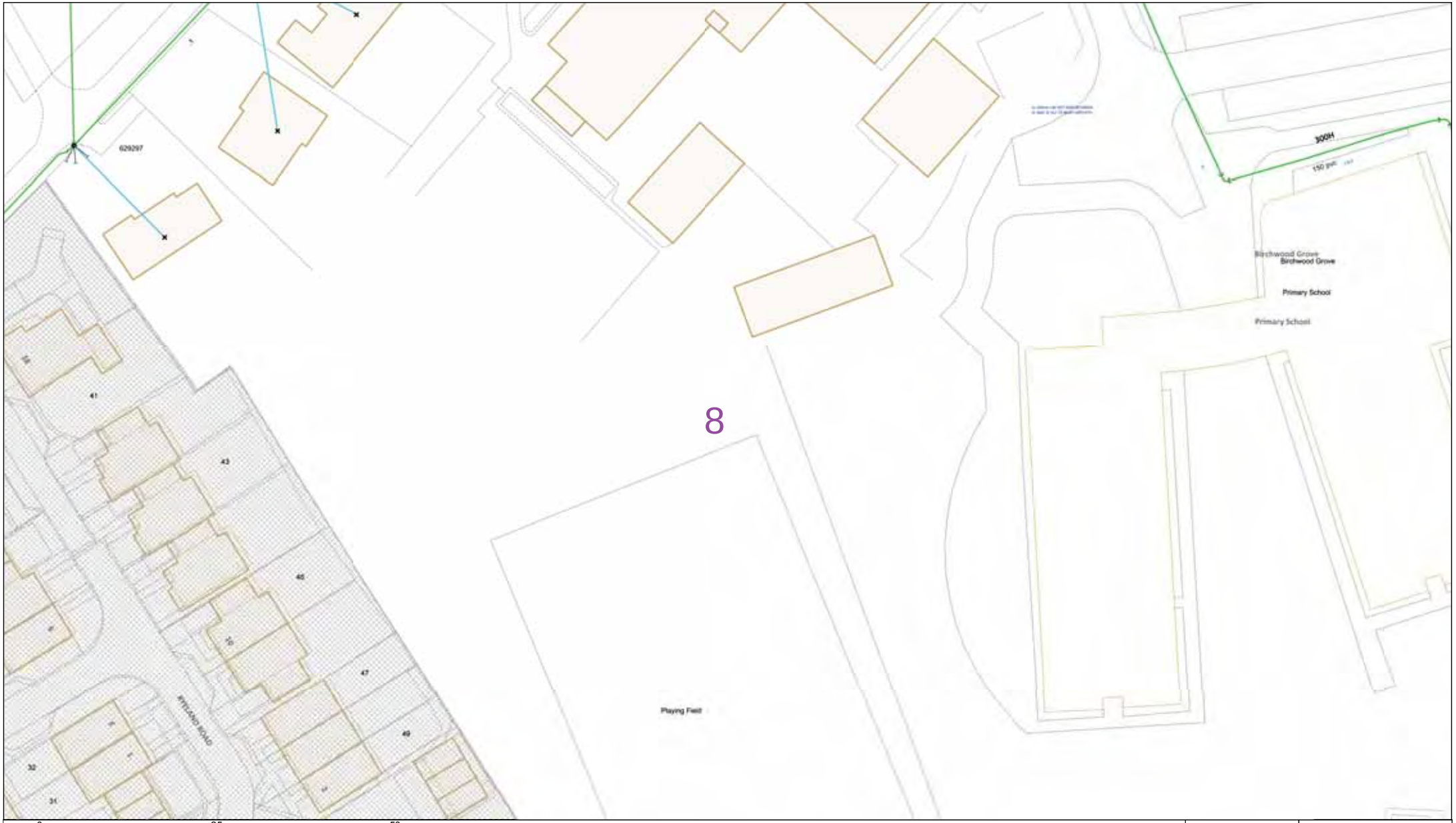

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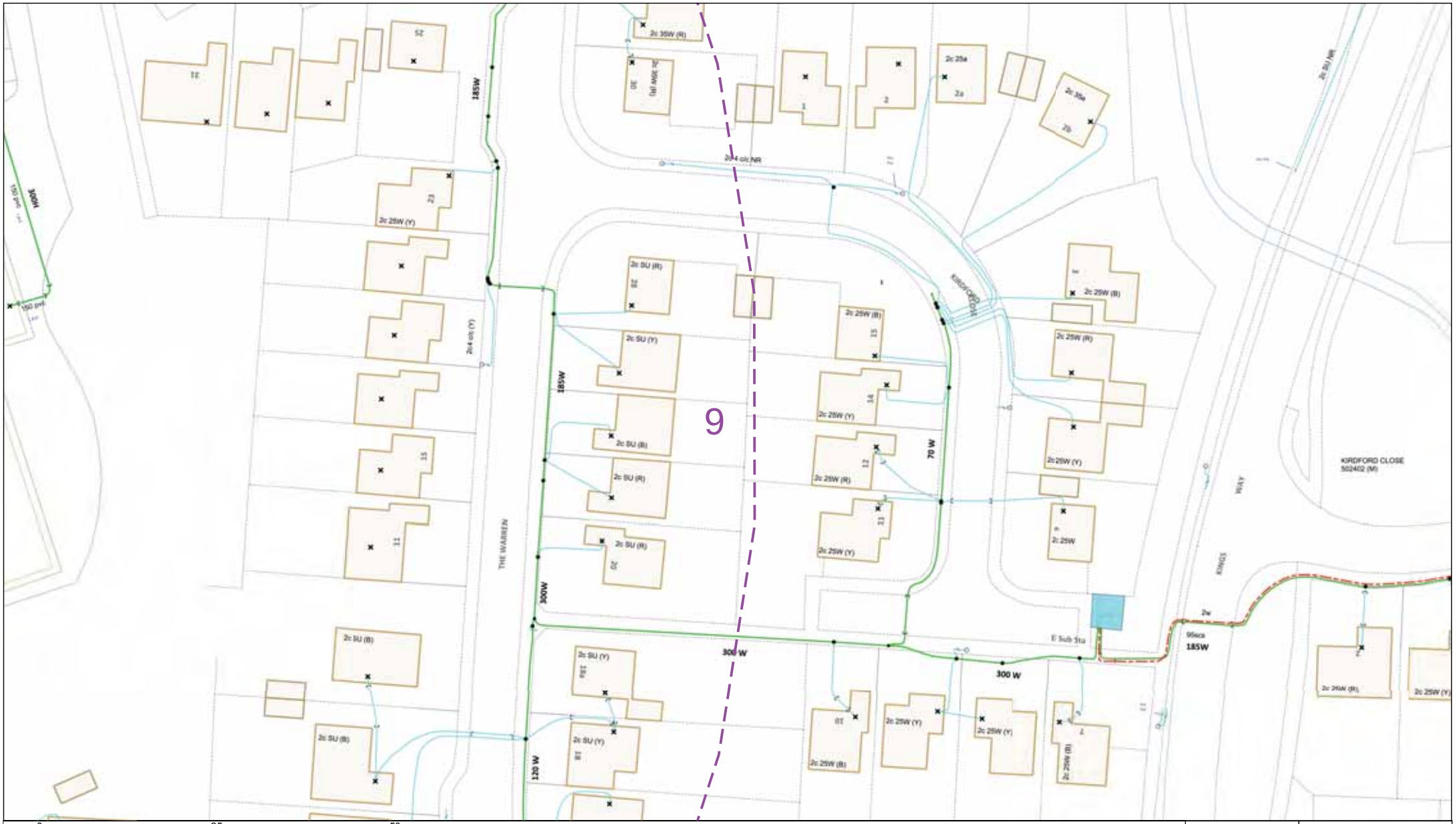

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UK Power Networks

IF IN DOUBT - ASK!
PHONE 0800 056 5866
EMERGENCY - If you damage a cable or line
Phone 0800 783 8838
(24hrs) URGENTLY

ALWAYS LOOK UP BEFORE YOU START WORK
Refer to HSE Guidance note GS6

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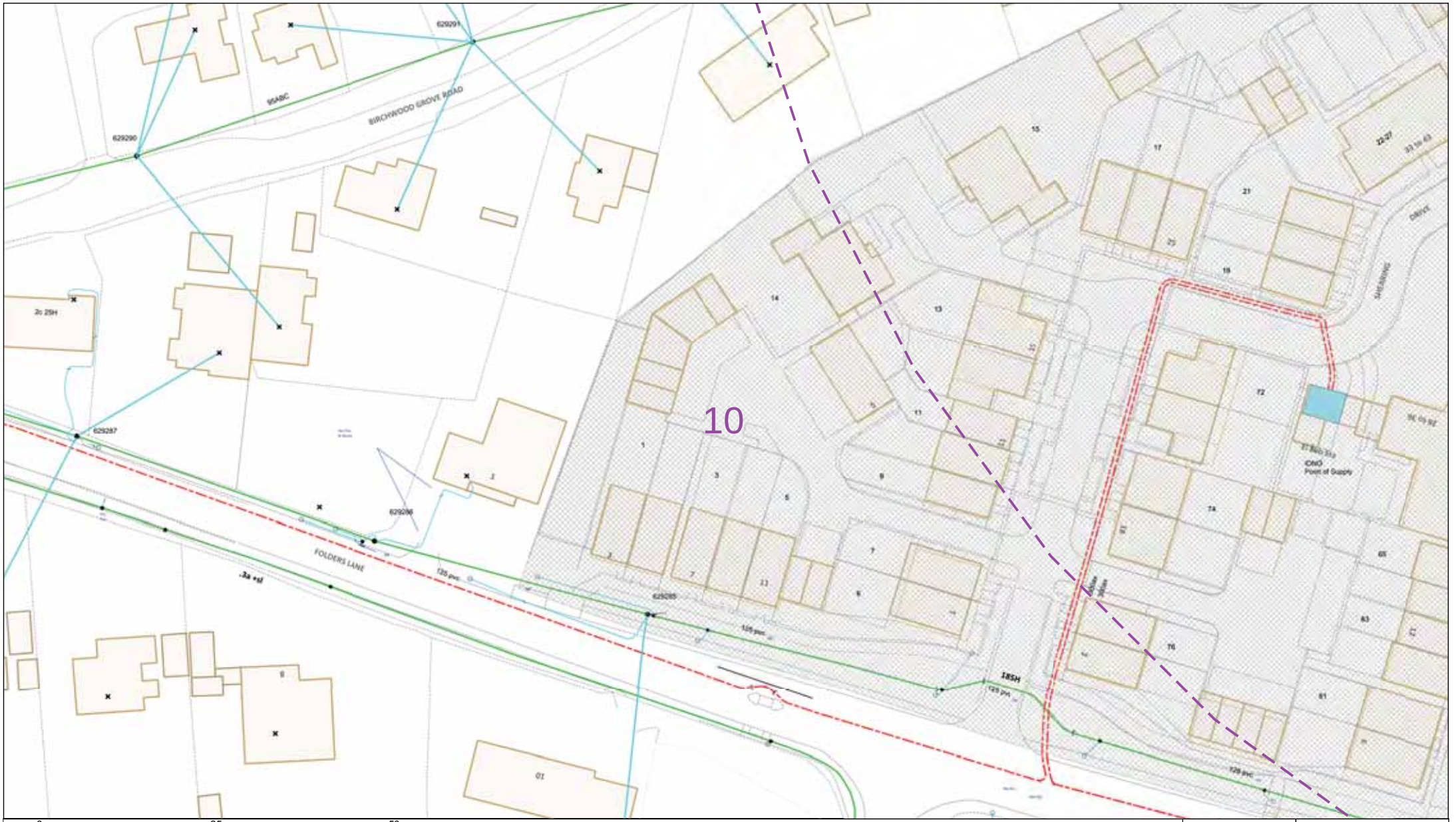

0 25 50
metres

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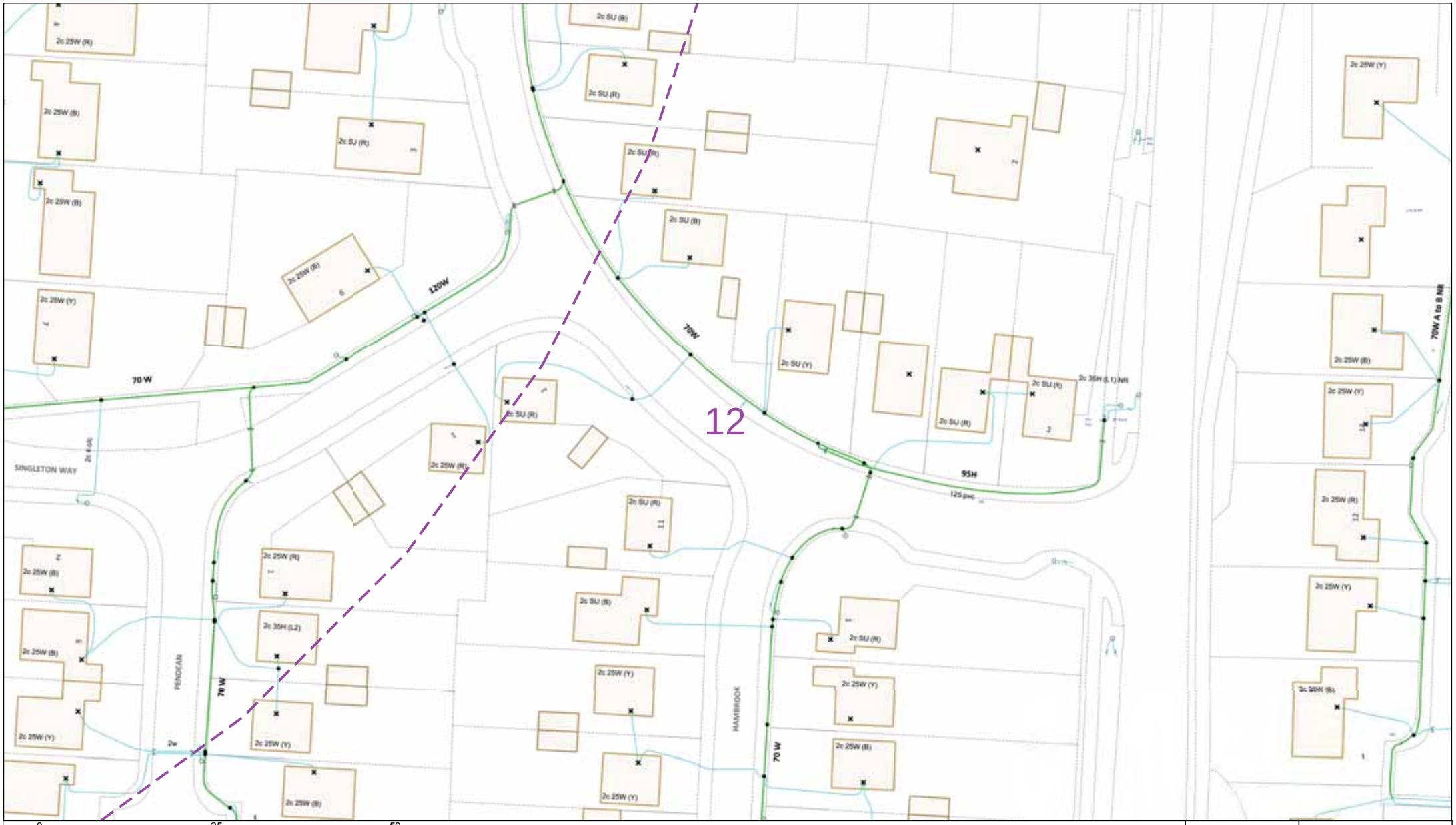

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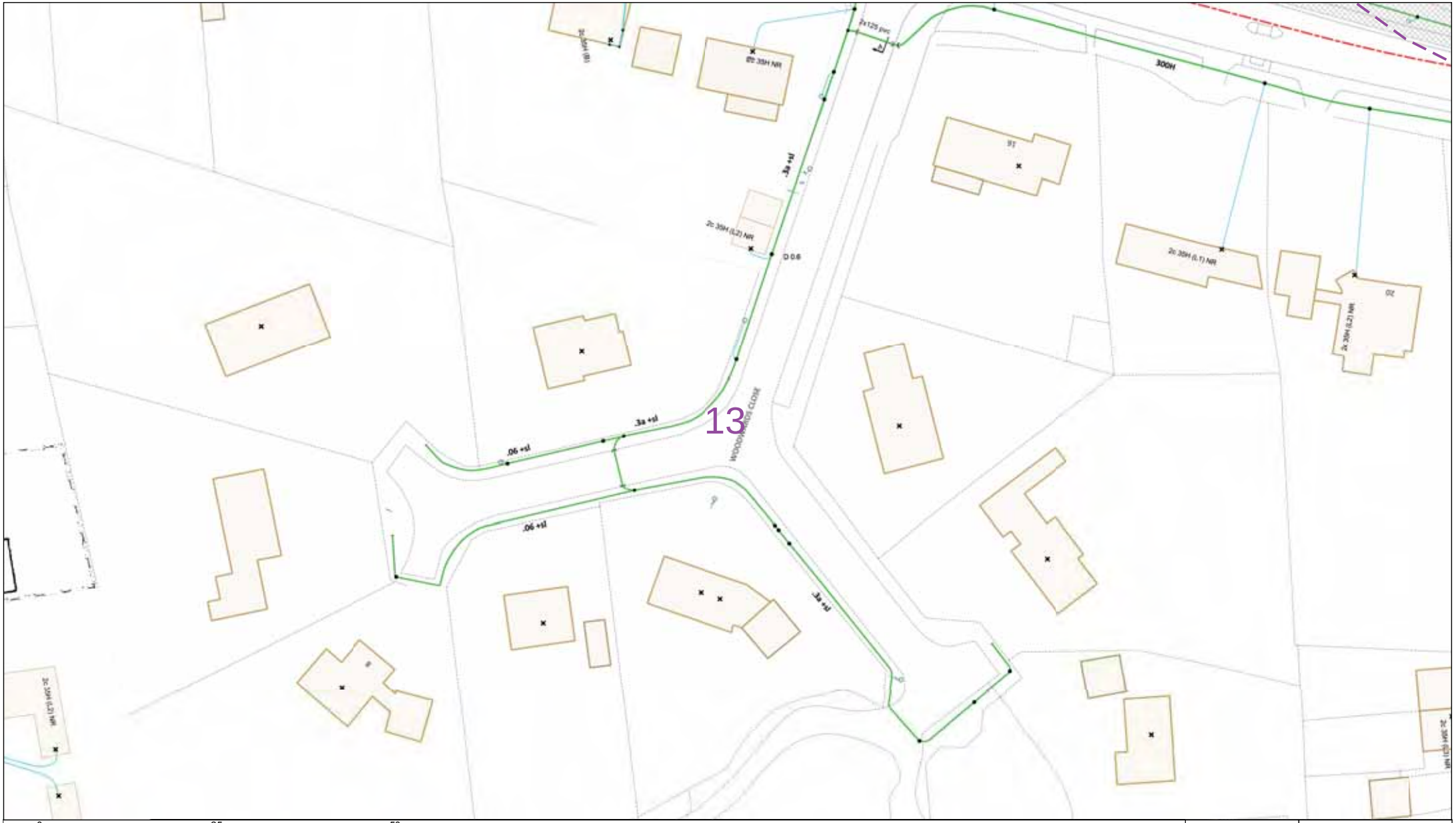

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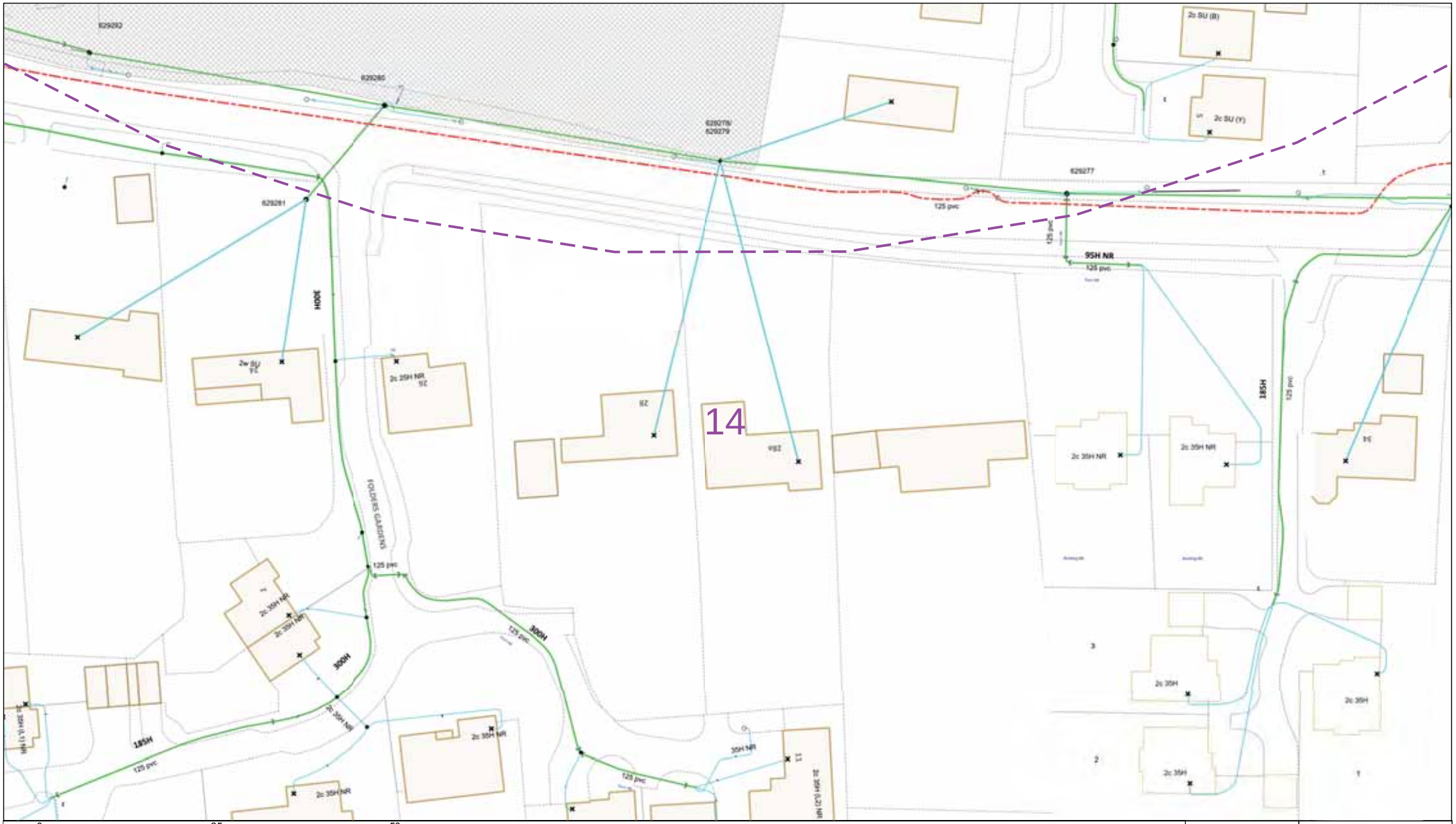

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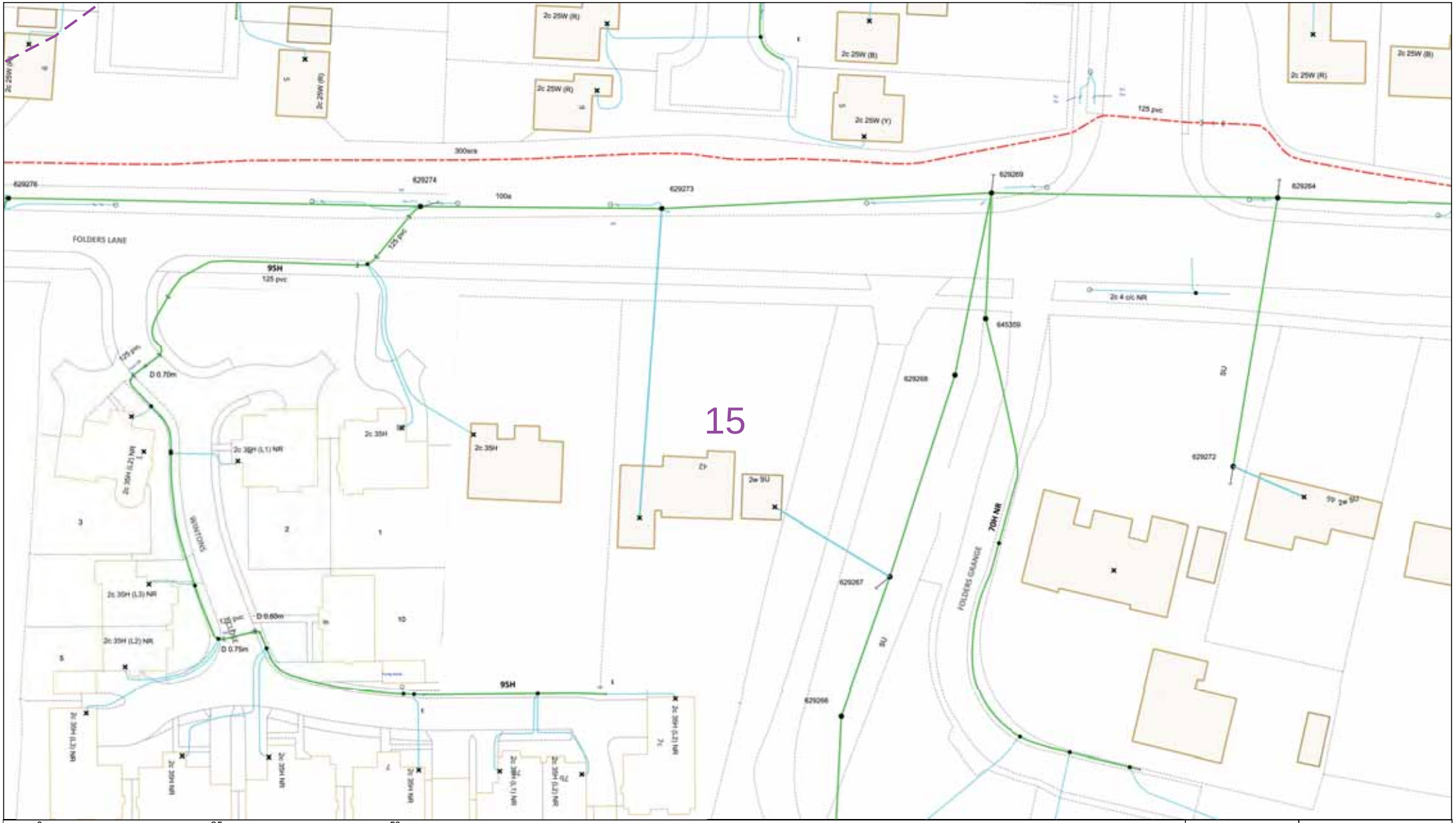

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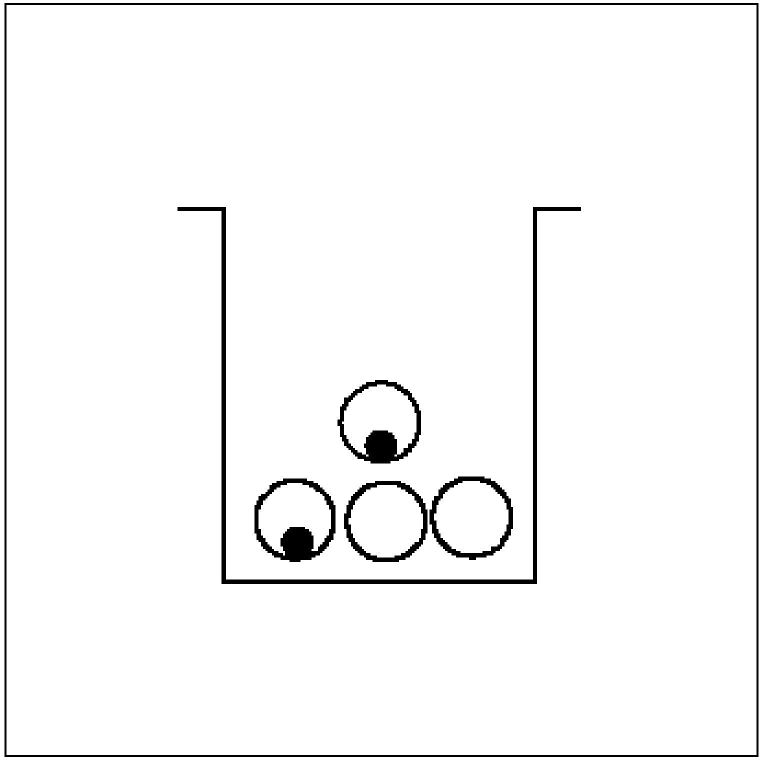
Cross Section : B



Cross Section
B

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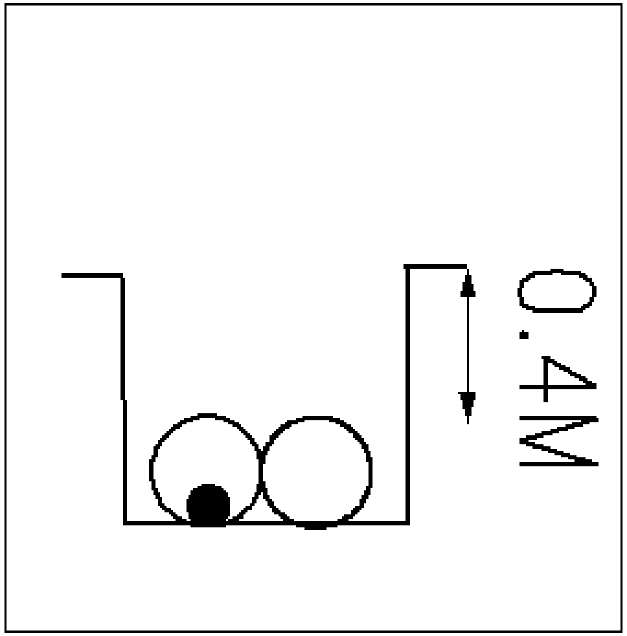

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Network Records NetMAP Symbols Booklet - South East England

Version 1.2

Released October 2010

Always check with your local Network Records office or the UK Power Networks server to ensure that you are using the most up to date copy of this booklet - Tel: 08000 565866

Index:-

Page no:		Contents:
1	.....	Guidance notes.
2	.....	The area covered by this guide.
3	1:500 (& 1:1250) view	
	.....	Scenery.
4	.....	Scenery (UK Power Networks use only).
7	.....	Primary distribution line route (EHV).
8	.....	Secondary distribution cables (HV/LV).
9	.....	Secondary distribution cable terminology.
12	.....	Cable ducts.
13	.....	Poles.
14	.....	EHV, HV and LV sites.
15	.....	Joints.
16	.....	Street furniture
17	.....	Miscellaneous.
18	.....	Connectivity.
19	.....	Abbreviations.
20	.....	Cable phasing.
21	.....	Operational status colours.
22	1:2500 view (UK Power Networks use only).	
	.....	Notes.
23	.....	Primary distribution line route.
24	.....	Secondary distribution cables.
25	.....	Primary and secondary sites.
27	.....	Switch types.
28	1:10000 view (UK Power Networks use only).	
	.....	Notes.
29	.....	Secondary distribution cables.
30	.....	Primary and secondary sites.

Guidance notes.

Important notice:
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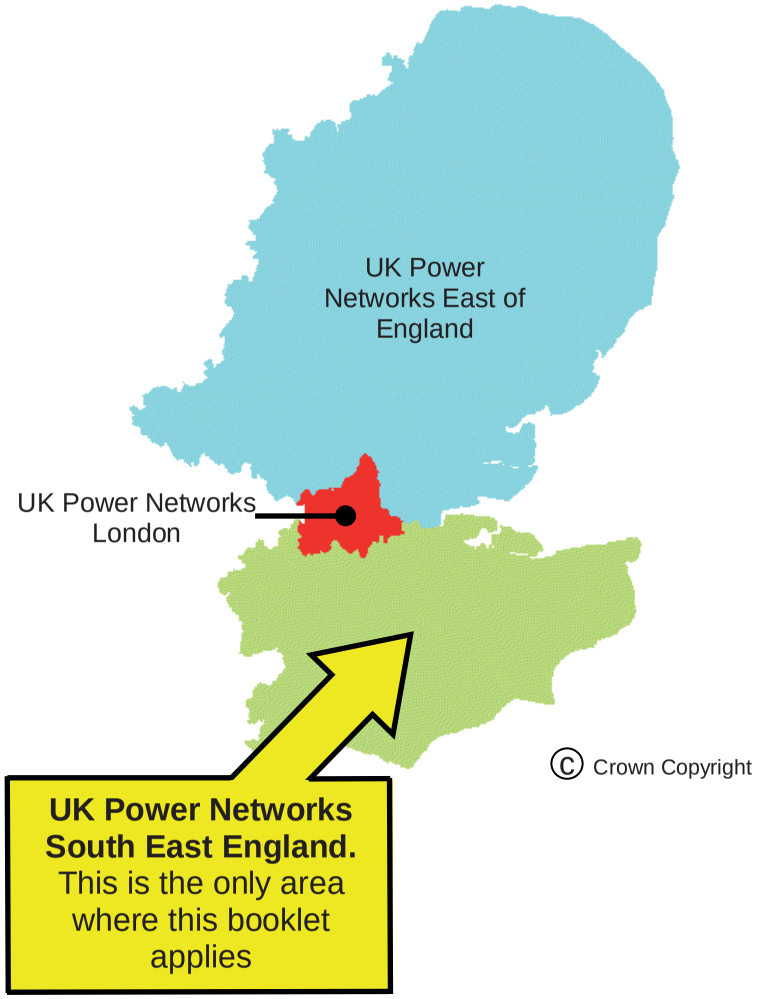
- The position of apparatus shown on NetMAP is believed to be correct, but the original landmarks may have altered since the apparatus was installed.
- It must be assumed that there is at least one service to each property, lamp column, street sign etc.
- Third party cables are not usually shown.
- When viewed in black and white, the line-style indicates the voltage.
- All LV cables are 4 core and all HV cables are 3 core – unless otherwise stated.
- All cables are copper – unless otherwise stated.

Plan Provision Team
and CableWatch
Fore Hamlet
Ipswich
Suffolk IP3 8AA
Tel: 08000 565866

The area covered by this guide:



1:500 (& 1:1250) view

Scenery

NetMAP system	Description
	Secondary buildings and fence lines
	Building line
	Kerb line
	UK Power Networks / SPN licence boundary (not visible unless selected)

Scenery for UK Power Networks use only - boxed in red

NetMAP system	Description
 Inset Network – Contact xxxx IDNO for further information	Area of inset network - not the asset of UK Power Networks (only visible to UK Power Networks and their immediate contractors)
	Proposed Cross Rail route (only visible to UK Power Networks and their immediate contractors)
	High pressure pipelines in the general vicinity (only visible to UK Power Networks and their immediate contractors)

Note: Pipelines are only viewable on NetMAP by UK Power Networks staff and their immediate contractors. Do not carry out any excavation without consent from the relevant agency - legally protected high pressure petroleum products pipeline route in the general vicinity - consult www.linewatch.co.uk for contacts and guidance. Pipeline contact numbers can also be found on the intranet – out of hours, contact our Control Centre.

	Water - surface water (only visible to UK Power Networks and their immediate contractors)
	Water - Source Protection Zone 1 (only visible to UK Power Networks and their immediate contractors)
	Water - Source Protection Zone 2 (only visible to UK Power Networks and their immediate contractors)
	Water - Source Protection Zone 3 (only visible to UK Power Networks and their immediate contractors)

section continued on next page

Scenery for UK Power Networks use only - boxed in red

NetMAP system	Description
	Historical - Scheduled Monuments (only visible to UK Power Networks and their immediate contractors)
	Historical - Parks and Gardens (only visible to UK Power Networks and their immediate contractors)
	Historical - Areas of Archaeological Potential (AAP) (only visible to UK Power Networks and their Immediate contractors)
	Nature - Ramsar Wetlands of International Importance (only visible to UK Power Networks and their immediate contractors)
	Nature - Special Area of Conservation (SAC) (only visible to UK Power Networks and their immediate contractors)
	Nature - Special Protected Area (SPA) (only visible to UK Power Networks and their immediate contractors)
	Nature - Site of Special and Scientific Interest (SSSI) (only visible to UK Power Networks and their immediate contractors)

section continued on next page

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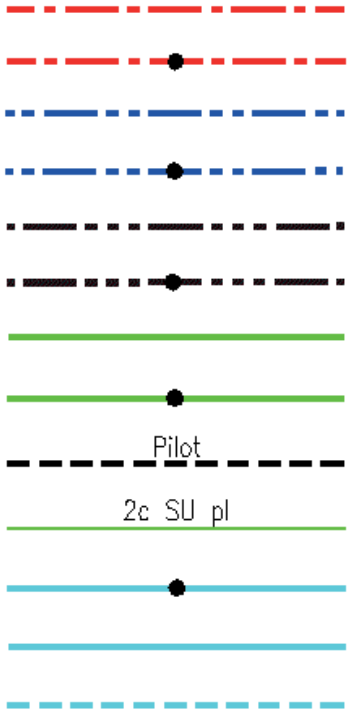
NetMAP system	Description
	Nature - Local Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Nature - National Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Nature - Area of Outstanding Natural Beauty (AONB) (only visible to UK Power Networks and their immediate contractors)
	Nature - National Park (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - very high sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - high sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - medium sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - low sensitivity (only visible to UK Power Networks and their immediate contractors)

Primary distribution line route (1:500 view)

NetMAP system	Description
	275–400kV National Grid route 132kV cable route 33kV cable route

Approximate routes only – see seperate record

Secondary distribution cables (1:500 view)

NetMAP system	Description
	11kV underground cable 11kV overhead line 6.6kV underground cable 6.6kV overhead line <6.6kV underground cable <6.6kV overhead line LV underground cable LV overhead line Pilot cable LV street lighting (pl) Service overhead line Service underground Logical service connection

Secondary distribution cable terminology (1:500 view)

HV underground

sta	PILCSTA (paper insulated lead covered steel tape armour)
(no text)	PILCSWA (paper insulated lead covered steel wire armour)
XLPE	XLPE (cross linked polyethylene) insulation
bcs	CAS (corrugated aluminium sheath) belted construction
scs	CAS (corrugated aluminium sheath) with screened cores
ua	PILC (paper insulated lead covered) unarmoured
c/c	Concentric cores
Poly	Poly (polyethylene) insulation
BOTES	BOTES – Board of Trade earth screen
of	Oil filled
33 kV design	Constructed to 33 kV specification
ax	Triplex with aluminium conductor
cx	Triplex with copper conductor

HV overhead

(no text)	Bare open wire
pvc	Open wire PVC covered
cat	ABC (aerial bundled or bunched conductor) with supporting strain wire
+ew	Open wire with extra earth conductor
ccc	Compact covered conductor

Overhead line materials

sca	Steel cored aluminium
cc	Cadmium copper
st	Steel
sil	Simalec
ccs	Copper covered steel
cpl	Compactal

section continued on next page

Secondary distribution cable terminology continued
(1:500 view)

LV underground mains and services

W	Waveform
We	Waveform with seperate earth wire
H	Hybrid – copper neutral with aluminium phase conductor
He	Hybrid with seperate earth wire
ua	PILC (paper insulated lead covered) unarmoured
(no text)	PILC (paper insulated lead covered) with/without armour
XLPE	XLPE (cross linked polyethylene) insulation
DISTRI	PISTA (paper insulated steel tape armour) 4c SAC (solid aluminium core) with lead covered neutral
c/c	Concentric cores
s/c	Split concentric with seperated neutral and earth wires
CONSAC	Paper insulated aluminium sheathed 3 core with solid aluminium cores
vb	Vulcanised bitumen/rubber insulation
Capothene	Capothene core insulation
tby	Tape braid and yarn
swa	PILSWA (paper insulated lead steel wire armour)
sac	PILSTA (paper insulated steel tape armour) solid aluminium core
Solidal	4 sector SAC with solid aluminium cores
LSF	Low smoke and fume (orange cable)
Trough	Cable laid in filled trough

LV overhead mains and services

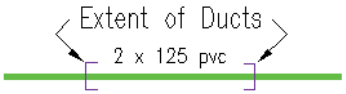
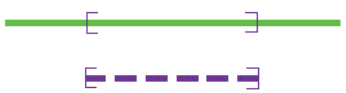
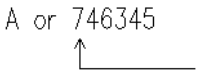
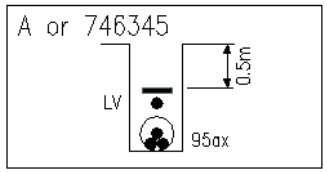
(no text)	Bare open wire
ABC	Aerial bundled (or bunched) conductor
cat	ABC (aerial bundled or bunched conductor) with supporting strain wire
pvc	PVC covered open wire
c/c	Concentric cores
H	Hybrid – copper neutral with aluminium phase conductor
ue	Under eaves – hessian covered lead cable
vir	Vulcanised India rubber insulation

section continued on next page

Secondary distribution cable terminology continued
(1:500 view)

Various annotation	
.1	Cable size (sq. inches)
185	Cable size (sq. millimetres)
a	Aluminium
ITC	Instrument traced cable or ITC - cable traced electronically using Cable Avoidance Tool (CAT) or similar

Cable ducts **(1:500 view)**

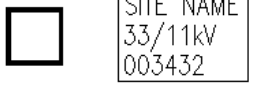
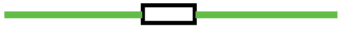
NetMAP system	Description
	Duct 2 way
	Duct 1 way (no text)
	Spare duct
	Cross section arrow
	Cross section showing: duct, tile depth, tile, single LV cable and HV Triplex cable

Duct materials	
(no text)	Earthenware
pvc	PVC
st	Steel
asb	Asbestos
fbr	Fibre
wi	Iron
cp	Concrete pipe
t/e	Trenchless excavation

Poles (1:500 view)

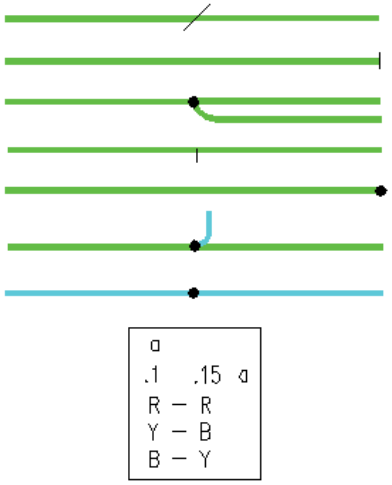
NetMAP system	Description
(S) 999999	Section pole Pole number (unique)
	Single leg
	H pole
	3 member
	4 member
	Strut
	Pole support (stay)
	Flying stay
	Tower 33kV to 400kV

EHV, HV and LV sites (1:500 view)

NetMAP system	Description
Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)	
	Ground mounted primary substation showing name, transformer voltage and SPENS number
	Pole mounted substation showing name and SPENS number
	Ground mounted substation showing name and SPENS number
	2 way link box
	4 way link box
	Link box without busbar
	(options similar to 1:2500 view) LV distribution pillar
	Voltage regulator
	Voltage balancer
	Open point
	Open point – out of phase
	Overhead open point

Note: For LV linking, use the 1:2500 view

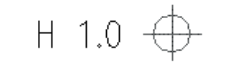
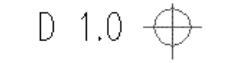
Joints (1:500 view)

NetMAP system	Description
	Straight (same for HV) Pot end (same for HV) Branch (same for HV) Sleeve repair Capped end Service to LV main Under eaves service Jointing phase drawing

Street furniture (1:500 view)

NetMAP system	Description
	Pole mounted street light
	Street light Zebra crossing Road sign Bollard Pelican crossing
	Traffic controller Advertising sign Amplifier station
	Control cubicle
	Text displayed/description
	Pay and display Bus shelter TBS Kiosk Water meter PL pillar TCB
	Unknown

Miscellaneous (1:500 view)

NetMAP system	Description
	Underground chamber or draw pit
	Earth conductor
	Earth pin
	Height marker
	Depth marker
	Supply point
	Missing data in or near this location
	Contaminated land reference

Connectivity (1:500 view)

NetMAP system	Description
	Edge node
	Node
	Connector
	Pole termination (nothing visible unless selected)

Edge nodes, nodes, connectors and pole termination joints may not appear on screen unless turned on and selected.

Abbreviations (1:500 view)

NetMAP system	Description
NR	No record
SU	Size unknown
AB	Abandoned
(M)	PME available
VO5	Year LV linking verified
MS	Milestone
MP	Marker post
pmt	Pole mounted transformer
pl	Public lighting
TBS	Temporary builder's supply
TCB	Telephone call box
CET	Cable electronically traced
IT	Instrument traced (same as CET)
CAT	Cable avoidance tool (same as CET)
+sl	Street lighting
+sw	Switch wire
2c	2 core
PESL	Public Electricity Supply License
Added	Supplied by SPN
Excluded	Not supplied by SPN
IIP	Assumed open point
VSxxxx	Vacant site
CB	Callender box

Cable phasing (1:500 view)

Old core colours	Shown on map		New core colours
Neutral	Neutral	Neutral	Blue
Red	R	L1	Brown
Yellow	Y	L2	Black
Blue	B	L3	Grey

Note:– Scott is a different phasing system

Operational status colours (1:500 view)

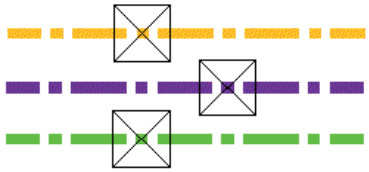
PROPOSAL	Symbols and cables appear in ORANGE
OUT OF SERVICE	Cable and joints appear in BLACK
ABANDONED	Cables and joints appear in GREY

1:2500 view - for UK Power Networks use only - boxed red

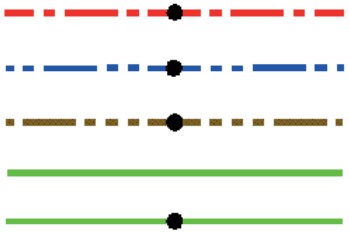
Notes

1. No underground HV cables are shown on the 1:2500 view
2. Poles and joint details are similar to the 1:500 view
3. For cable/line information refer to the 1:500 view

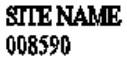
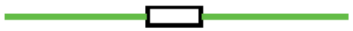
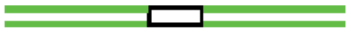
Primary distribution line route (1:2500 view)

NetMAP system	Description
	275–400kV National Grid route 132kV cable route 33kV cable route

Secondary distribution cables (1:2500 view)

NetMAP system	Description
	11kV overhead line 6.6kV overhead line <6.6kV overhead line LV underground cable LV overhead line

Primary and secondary sites (1:2500 view)

NetMAP system	Description
Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)	
	Ground mounted substation showing capacity, phase, name and SPENS number
	Pole mounted substation showing capacity, phase, name and SPENS number
	Primary substation showing name and SPENS number (no site shown)
	2 way link box
	4 way link box
	Link box identifier
	4 way link box without busbar
	6 way link box without busbar
	8 way link box without busbar

section continued on next page

Primary and secondary sites continued (1:2500 view)

NetMAP system	Description
	LV distribution pillar
	Voltage regulator
	Voltage balancer
	Open point
	Open point – out of phase
	Earth pin

Switch types (1:2500 view)

NetMAP system	Description
ABSD	Air brake switch disconnector
A/R	Auto recloser
A/S	Sectionaliser
FUSE	Fuse
S/D	Surge diverter
PF	Pathfinder
ASL	Automatic sectionalising links
PMR	Pole mounted recloser
PMS	Pole mounted sectionaliser
GVR	Gas vacuum recloser

1:10000 view - for UK Power Networks use only - boxed red

Notes

1. No EHV cables/overhead lines shown on 1:10000 view.
2. For congested areas print at 1:5000.
3. HV site used instead of branch joint on 1:10000 for connectivity purposes. The site is not displayed until it is selected.

Secondary distribution cables (1:10000 view)

NetMAP system	Description
	11kV underground cable 6.6kV underground cable <6.6kV underground cable 11kV overhead line 6.6kV overhead line <6.6kV overhead line

Primary and secondary sites (1:10000 view)

NetMAP system	Description
Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)	
SITE NAME 008590	Primary substation showing name and SPENS number
SITE NAME 521234	11kV ground mounted substation showing name and SPENS number
SITE NAME 524514	6.6kV ground mounted substation showing name and SPENS number
SITE NAME 523634	<6.6kV ground mounted substation showing name and SPENS number
SITE NAME pmt 527522	11kV pole mounted substation showing name and SPENS number
SITE NAME pmt 525743	6.6kV pole mounted substation showing name and SPENS number
SITE NAME pmt 526543	<6.6kV pole mounted substation showing name and SPENS number
SITE NAME 527238	Pole mounted switching substation showing name and SPENS number

Think before you...

DIG UNDER GROUND

UK Power Networks

THINK . . .

Every year people are killed or seriously injured in incidents involving underground electricity cables.

THE DANGER

Underground cables carry a powerful electrical charge which can be conducted through machinery and equipment with fatal consequences. Anyone working close to live underground cables should take time to read this simple safety leaflet and identify the precautions they should be taking.

WHO IS AT RISK?

People in construction, demolition, agriculture, infrastructure or anywhere else where excavation is taking place. That is why it is vital everyone working on or visiting a working site is fully aware of the hazards and the steps that must be taken to avoid them.

HOW INCIDENTS HAPPEN

Sadly, accidents where excavators, breakers or other tools make contact with power cables are not uncommon. Where equipment or machinery is used near underground cables the risk must be considered and controlled in the interests of everyone.

THINK AHEAD

Get the basics right. Familiarise yourself with the site. Mark the route of underground cables running across the site on all plans circulated to staff. Find out if the work could be carried out away from the cables, or avoided all together.

UK Power Networks is committed to safety and actively encourages anyone undertaking work to contact us in advance for advice and free cable locating maps.

These will help you avoid our underground cables during your work, which is vital for your safety as well as ensuring we can provide a reliable supply of electricity.

For free maps and advice call **0800 056 5866** or write to:
Plan Provision
UK Power Networks
Fore Hamlet
Ipswich
IP3 8AA
plans@ukpowernetworks.co.uk

We can advise you on what steps to take if essential work is necessary close to underground cables and help ensure safe working practises are implemented.

Good management reduces the risk of accidents. With proper planning and control, workers should not come into contact with underground cables.

If excavation work forms a part of your day-to-day activities obtain a copy of the Health & Safety Executive's Guidance Note "Avoiding Danger from Underground Services" HSG47, which is free to download from the HSE's website - **www.hse.gov.uk/pubns/priced/hsg47.pdf**

WHAT TO DO

- **Have cable drawings and records on site**, know how to read them and check them before starting work. Be aware that not all cables may be shown on the records.
- **Look around for anything in the vicinity** that would have an electricity service, such as street lights, CCTV cameras, phone boxes, etc. as well as the more obvious things like houses and industrial units.
- **Always** use a cable avoidance tool (CAT) to survey the entire site before digging commences. Once found, mark cable positions with spray paint or similar. Do not forget to use encroachment lines as well.
- **Dig trial holes**, by hand, alongside the indicated route of the cables(s).
- Use spades and shovels with **insulated handles** in preference to forks and picks.
- **Make sure everyone** on site, including visitors, **understand the risks**.
- If there is a **cable encased in concrete** contact **UK Power Networks to agree a safe method of work**. This may mean making the cable dead.
- Before demolishing a building **make sure that supplies are disconnected,** preferably well clear of the work area. For guidance on how to arrange a disconnection visit www.ukpowernetworks.co.uk – Our Services
- Have the **emergency contact telephone number** easily available on site.

WHAT NOT TO DO

- Never allow anyone near a damaged or suspected damaged cable or joint.
- Do not handle or attempt to alter the position of a cable or joint.
- Never assume that cables run in straight lines, they may be deflected around underground obstacles.
- Do not use mechanical excavator or powered digging tool within the vicinity of known cables.
- Never knock a road pin, or forcibly throw a spiked digging tool into the ground, without checking what is below the surface.

IF A CABLE IS DAMAGED

Notify UK Power Networks immediately:

London 0800 028 0247
East of England 0800 783 8838
South East 0800 783 8866

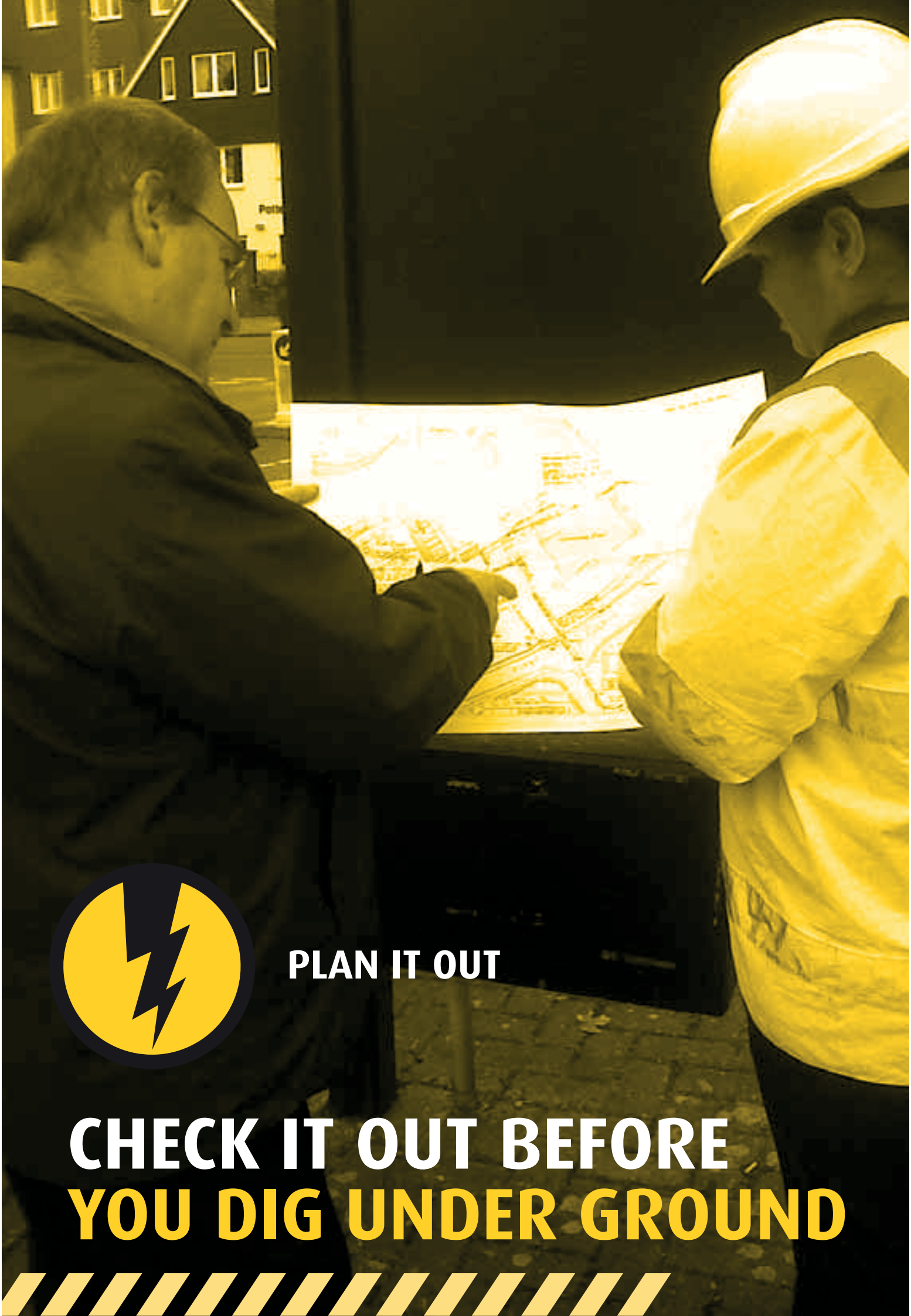
Call the emergency services if anyone is injured. Anyone who has received an electrical shock should go to hospital as damage may have occurred to the heart.

Always **treat the cable(s) as live** even if they are not sparking. Cables can be re-energised at any time without warning.

Never remove anything that is stuck **in a cable.**

Keep everyone well away from the area of the damage.

Do NOT attempt to remove anything that is in contact with the cable.



PLAN IT OUT

CHECK IT OUT BEFORE YOU DIG UNDER GROUND

DANGER OF DEATH

THINK BEFORE YOU DIG

Call the network operator

0800 587 3243

www.ukpowernetworks.co.uk

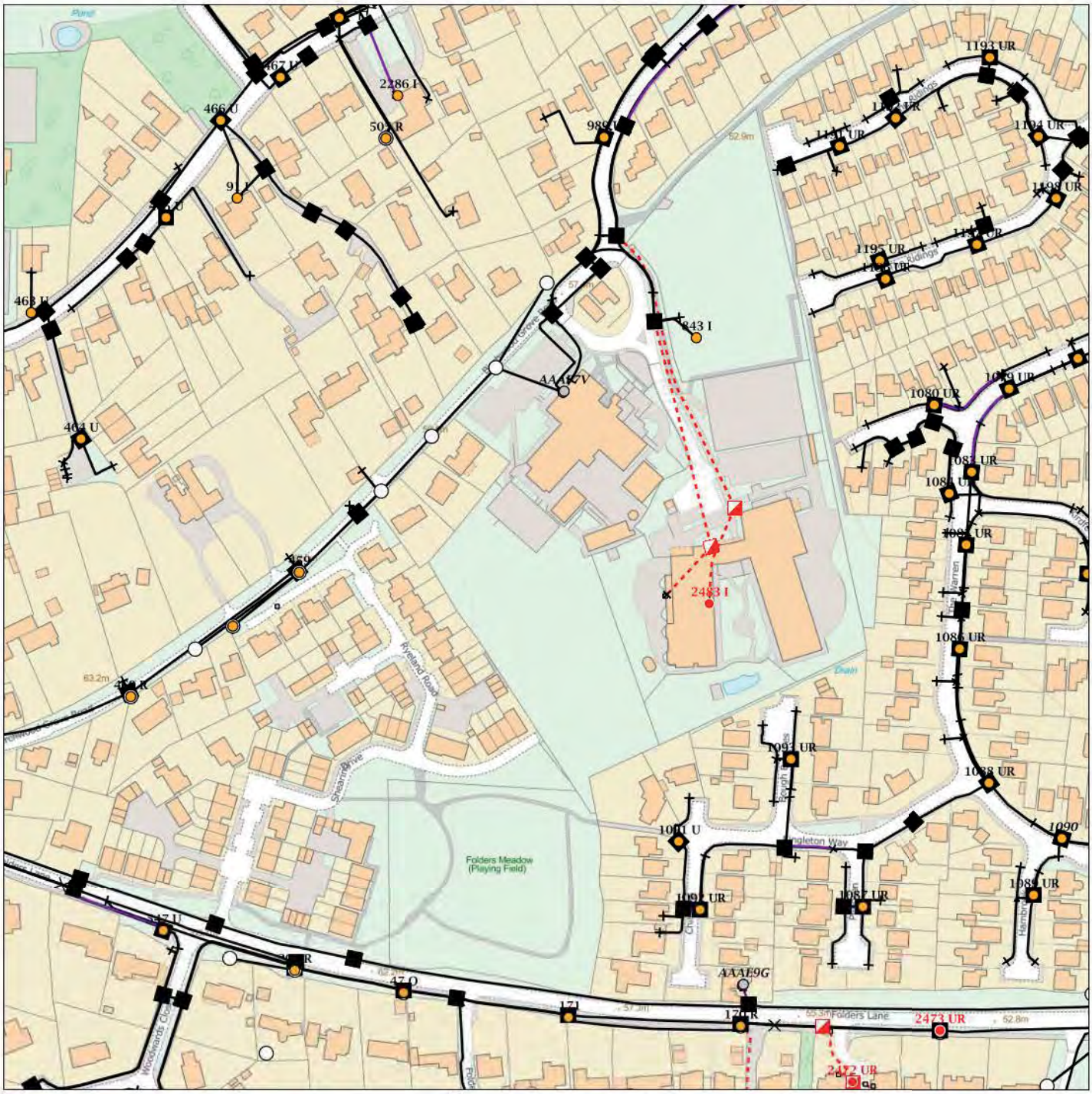
If you are unsure of your network operator then please visit www.energynetworks.org

UK Power Networks,
Registered office: Newington House, 237 Southwark Bridge Road, London SE1 6NP
Registered in England and Wales No: 3870728

UK Power Networks

BT (Openreach)

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

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
Duct	Manhole
Building	Planned Manhole
Kiosk	Cabinet
Hatchings	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 : DNX03148N
Map Reference : (centre) TQ3212118324
Easting/Northing : (centre) 532121,118324
Issued : 09/08/2018 15:14:28

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

openreach

Identifying our equipment

If you're planning or building a new development, working on a regeneration project or undertaking roadworks it's likely that you'll come across some of our network infrastructure.

This guide includes images and descriptions of the most common types of equipment (past and present) to help you identify what's on your site so we can best advise you if you need anything moved or removed.

If you're not sure, please contact us – ideally sending a photo of the plant on your site – before you start work.

Poles and attachments

There are currently three materials used for poles: wood, steel and fibreglass.
Wooden poles vary in length from 7 to 15m depending on the span the lines need to cover.

There are two types of pole in use:

- **Radial Distribution Poles:** typically to serve a number of properties in a street
- **Carrier Poles:** typically found in more rural locations, these are often used to provide an overhead route from A to B.

Pole markings

Owner of the pole – In this case BT. Older poles may also be marked as GPO or PO

Pole length and class (light, medium or stout) – 10L = 10m light

Year of preservation – 97

Supplier marker and type of wood – 2I = supplier 2 and Imported (I)

The punch hole sign is a testing cycle sign. This label is for internal Openreach use.

The pole reference number:

Distribution Pole – The letters DP, plus a number, in this case 19.

Carrier Pole – No letters, just a number will be shown.

You may also see square metal labels with a letter on a pole, i.e. C, D, H, SD and Z. These indicate the status of the pole to a visiting engineer.

Street covers and cabinets

Street covers and cabinets (PCP) have changed over the years, from cast iron to fibreglass to pressed steel. Sizes vary and all are made in single door versions. The most common examples are:

Cast iron cabinet

Fibreglass cabinet

Single door cabinet (with replacement steel door)

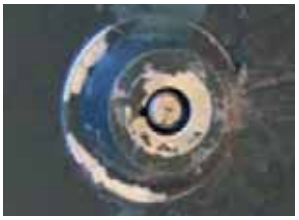
Steel cabinet

All-in-one cabinet

How to spot one of our cabinets: keys and markings

Openreach and Virgin Media both have street cabinets and they look quite similar. Often the only difference is the type of key needed to open them. Openreach cabinets have a triangular or star shaped insert, while Virgin Media use conventional keys (see below).

Openreach keys



Virgin Media key

All Openreach cabinets, frames and covers, are marked to show who owns them. Examples of these markings and the materials cabinets are made of are shown below.

Cast iron GPO marking

Fibreglass Telecom marking

Steel BT marking

Carriageway covers

These boxes generally contain small customer connections. The old type of covers were made of concrete with a concrete lid while current covers are made of fibreglass and have a steel lid.

There are generally two types of carriageway covers. Those with a T-shaped key, the Silent Night, and those with a D-shaped key, the Elkington. Both types were supplied in all sizes and while the design varied slightly all have ownership markings on them.

All sizes are approximate.

Carriageway covers with two triangular lids

CW No.1
Silent Night
680mm x 680mm

CW No.1
old type (Elkington)
inserts vary

Very old round
CW no.1

Carriageway covers with four triangular lids

CW No.2 Silent Night
1220mm x 680mm

CW No.2 old type
(Elkington)

Carriageway covers with six triangular lids

CW No.3 current type

CW No.3 Silent Night type

CW No.3 Elkington type

Footway covers

Footway covers come in six basic sizes: small, medium, large, square, twin and triple, although there are size variants within some types. All sizes are approximate.

Small covers

These lids cover boxes which generally contain small customer connections. Previously the boxes and lids were made of concrete, but the current footway boxes are made of fibreglass and have steel lids.

JB21 31x41cm

JB22 41x61cm

JB23 28x50cm

Medium covers

There is only one size of cover in this category. This lid can be found on a fibreglass preformed box, JB26, as well as a concrete/brick chamber, JF2. As with the JB 23 small footway box above the JB26 will have a thin white edge around the cover while the JF2 has a fillet.

Old style cast iron and concrete 38x80cm

JF2/JB26 34x80cm

Large covers

Along with the twin, this is probably the most common footway type in the network. Originally the covers were made of cast iron and concrete but now they're just made of concrete.

JF4 current type 55x100cm

JF4 old type 55x100cm

Square covers

These covers are placed over manholes and are found in the footways and verges.

JF5 70x70cm

JF5 old type 70x70cm

Twin covers

This cover shown in the section is probably the most common footway type in our network. Originally the cover was made of cast iron and concrete but now they're just made of concrete. You can see variations to the inserts and markings below.

JF6
70x140cm

JF6 old cast and concrete type 70x140cm

Triple covers

The two sizes of triple lid covers are shown here.

JF10 80x240cm

JF11 80x140cm

Inserts and markings

In this section you can see examples of the markings that you would expect to find on our equipment.

Footway

Examples of the current JF4 and JF5 inserts are shown below. The number ‘4’ or ‘5’ shown on the right hand side of the insert identifies the type. The letters ‘DW’ shown on the top right hand corner of the JF5 box indicate that this is a drive way lid built to stand further loading.

JF4

JF5

The following examples show the changes undertaken from GPO to BT.

Carriageway

The current marking is shown below, with some of the older versions beneath.

Current marking

Older markings

Non-standard plant

Some locations have used bespoke cover infills which improve the aesthetics of the area, enhance paving designs or accommodate high tactile surfacing. The scope of these type of covers is endless.

Maintenance for these covers may not reside with Openreach as often the responsibility remains with the Authority.

A small selection of non-standard footway and carriageway covers are shown below.

FW No.4

CW No.3 insert type

FW No.6

Detail of legend built into frame

National Telephone Company Limited

Disclaimer
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Rail

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Dear Sir/Madam,

With regards to your enquiry, Network Rail does not believe there is any Network Rail owned apparatus or underground services within the area you have defined. As there is always the possibility that new works could be planned and undertaken in this area by Network Rail this information is valid as at today's date and is supplied for general guidance only.

Please be aware that this response is based on Network Rail's records and knowledge and no guarantee can be given regarding accuracy or completeness. CAT scans, safe digging practices (as contained in HSE publications) and other appropriate investigative techniques should always be carried out.

There may be other apparatus or underground services owned or operated by Utility Companies and accordingly you should contact individual utilities for information.

If, in connection with your investigations and/or work, you become aware of Network Rail apparatus or underground services within your area of work, please ensure these are notified to our Asset Protection team via the following link as a matter of urgency so that appropriate measures for avoidance of risk and damage can be put in place.

http://www.networkrail.co.uk/aspx/1758.aspx?cd=1

If you require any further clarification on any of the information please contact opburiedservicesenquiries@networkrail.co.uk.

Regards,

Gareth Milne

Distribution Administrator (NRSWA) Asset Information Services

Asset Information Services: to inspire & enable through the power of data

National Records Centre, 5 Audax Road, York YO30 4GS

T *+44(0)1904 386393*
E *gareth.milne@networkrail.co.uk*

Environment

Plant Enquiry: Woodlands Meed, West Sussex. August - 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

Liam Morris

Environment Agency

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

Environment Agency

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Contact: enquiries@environment-agency.gov.uk 03708 506506


west sussex county council
How to use the iMap | Accessibility | Languages
I'm looking for...
Search
Travel information | Path problem report form | Unavailable routes
Cherry Tree
Birchwood
The Laurels
Bramwell
Highwood
Wykeham
BIRCHWOOD GROVE ROAD
School
Cloisters
Appletree
Orchards
Birchwood Grove Community Primary School
THE RIDINGS
THE WARREN
KIRDFORD
KINGSWAY
RYELAND ROAD
DRIVE
BEECHES

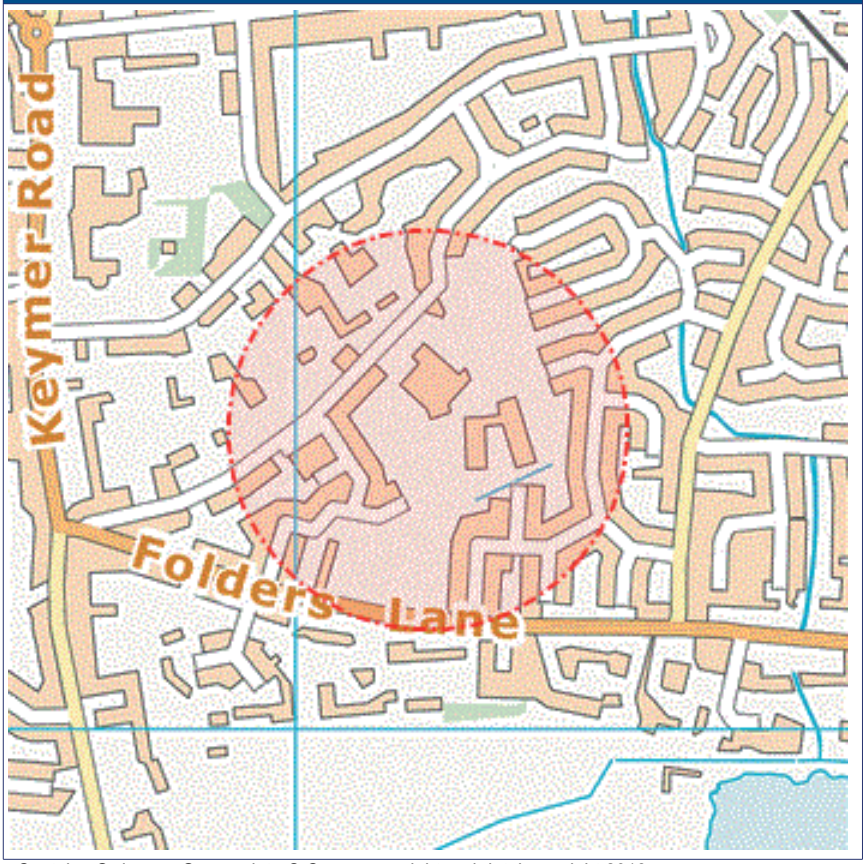
Communications (None Affected)

Enquiry Details

Scheme/Reference	Woodlands Meed		
Enquiry type	Planned Works	Work category	Utility Works
Start date	15/08/2018	Work type	Multiple excavations site
End date	30/08/2018	Site size	415 metres diameter
Searched location	XY= 532121, 118324	Work type buffer*	25 metres
Confirmed location	532137 118312		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

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

Site Map



V3.3.6

Asset Owners

Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.linesearchbeforeudig.co.uk ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

Notes. Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.

Validity and search criteria. The results of this enquiry are based on the confirmed information you entered and are valid only as at the date of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LinesearchbeforeUdig accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

Asset Owners & Responses. Please note the enquiry results include the following:

1. "LSBUD Members" who are asset owners who have registered their assets on the LSBUD service.
2. "Non LSBUD Members" are asset owners who have not registered their assets on the LSBUD service but LSBUD is aware of their existence. Please note that there could be other asset owners within your search area.

Below are three lists of asset owners:

1. LSBUD Members who have assets registered within your search area. ("Affected")
    a. These LSBUD Members will either:
        i. Ask for further information ("Email Additional Info" noted in status). The additional information includes: Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.

        ii. Respond directly to you ("Await Response"). In this response they may either send plans directly to you or ask for further information before being able to do so, particularly if any payments or authorisations are required.

2. LSBUD Members who do not have assets registered within your search area. ("Not Affected")

3. Non LSBUD Members who may have assets within your search area. Please note that this list is not exhaustive and all details are provided as a guide only. It is your responsibility to identify and consult with all asset owners before proceeding.

National Grid. Please note that the LSBUD service only contains information on National Grid's Gas above 7 bar asset, all National Grid Electricity Transmission assets and National Grid's Gas Distribution Limited above 2 bar asset.

For National Grid Gas Distribution Ltd below 2 bar asset information please go to www.beforeyoudig.nationalgrid.com

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
UK Power Networks	08000565866	08000565866	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	BOC Limited (A Member of the Linde Group)	BP Exploration Operating Company Limited
BPA	Carrington Gas Pipeline	CATS Pipeline c/o Wood Group PSN
Cemex	Centrica Storage Ltd	CLH Pipeline System Ltd
Concept Solutions People Ltd	ConocoPhillips (UK) Ltd	DIO (MOD Abandoned Pipelines)
E.ON UK CHP Limited	EirGrid	Electricity North West Limited
ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited	EP Langage Limited
ESP Utilities Group	ESSAR	Esso Petroleum Company Limited
Fulcrum Pipelines Limited	Gamma	Gateshead Energy Company
Gigaclear PLC	Gtt	Hafren Dyfrdwy
Humbly Grove Energy	IGas Energy	INEOS FPS Pipelines
INEOS Manufacturing (Scotland and TSEP)	INOVYN Enterprises Limited	Intergen (Coryton Energy or Spalding Energy)
Mainline Pipelines Limited	Manchester Jetline Limited	Manx Cable Company
Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited	National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission
Northumbrian Water Group	NPower CHP Pipelines	Oikos Storage Limited
Ørsted	Perenco UK Limited (Purbeck Southampton Pipeline)	Petroineos
Phillips 66	Premier Transmission Ltd (SNIP)	Prysmian Cables & Systems Ltd (c/o Western Link)
Redundant Pipelines - LPDA	RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals
Scottish Power Generation	Seabank Power Ltd	Severn Trent (Chester area only)
Shell (St Fergus to Mossmorran)	Shell Pipelines	SSE (Peterhead Power Station)
Tata Communications (c/o JSM Construction Ltd)	Total (Colnbrook & Colwick Pipelines)	Total Finaline Pipelines
Transmission Capital	Uniper UK Ltd	Vattenfall
Veolia ES SELCHP Limited	Western Power Distribution	Westminster City Council
Wingas Storage UK Ltd	Zayo Group UK Ltd c/o JSM Group Ltd	

Enquiry Confirmation

LSBUD Ref: 13473986

Date of enquiry: 09/08/2018
Time of enquiry: 14:06

The following Non-LSBUD Members may have assets in your search area. It is YOUR RESPONSIBILITY to contact them before proceeding. Please be aware this list is not exhaustive and it is your responsibility to identify and contact all asset owners within your search area.

Non-LSBUD members (Asset owners not registered on LSBUD)			
Asset Owner	**Preferred contact method**	**Phone**	**Status**
BT	https://www.swns.bt.com/pls/mbe/welcome.home	08009173993	Not Notified
CenturyLink Communications UK Limited	plantenquiries@instalcom.co.uk	02087314613	Not Notified
CityFibre	asset.team@cityfibre.com	033 3150 7282	Not Notified
Colt	plantenquiries@catelecomuk.com	01227768427	Not Notified
Energetics Electricity	plantenquiries@energetics-uk.com	01698404646	Not Notified
ENGIE	nrswa@cofely-gdfsuez.com	01293 549944	Not Notified
GTC	https://pe.gtc-uk.co.uk/PlantEnqMembership	01359240363	Not Notified
Interoute	interoute.enquiries@plancast.co.uk	02070259000	Not Notified
KPN (c/-Instalcom)	kpn.plantenquiries@instalcom.co.uk	n/a	Not Notified
Mobile Broadband Network Limited	mbnl.plant.enquiries@turntown.com	01212 621 100	Not Notified
Sky UK Limited	nrswa@sky.uk	02070323234	Not Notified
Sota	SOTA.plantenquiries@instalcom.co.uk		Not Notified
South East Water	water.maps@southeastwater.co.uk	0333 000 0059	Not Notified
Southern Water	searches@southernwater.co.uk	08452700212	Not Notified
Utility assets Ltd	assetrecords@utilityassets.co.uk		Not Notified
Verizon Business	osp-team@uk.verizonbusiness.com	01293611736	Not Notified
Virgin Media	http://www.digdat.co.uk	08708883116	Not Notified

Plant Enquiry: Woodlands Meed, West Sussex. August - 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

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Dear Sir or Madam,

With reference to your plant enquiry below, we can confirm that KPN do not have any apparatus within the immediate proximity of your proposed works

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

Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.

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: kpn.plantenquiries@instalcom.co.uk

Web: http://www.instalcom.co.uk

Plant Enquiry: Woodlands Meed, West Sussex. August - 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

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Dear Sir or Madam,

Thank you for your plant enquiry below.

We can confirm that Level 3, Global Crossing (Uk) Ltd, Global Crossing PEC, Fibernet UK Ltd and Fibrespan Ltd do not have any apparatus within the indicated works area.

Instalcom responds to plant enquiries for all of the above and therefore you only need send one plant enquiry to cover all of these companies.

Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.

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

(c) Crown copyright and database rights 2018 Ordnance Survey 100019209 | Date: 09/08/18 | Scale: 1:1398 | Map Centre: 532121,118324 | Data updated: 02/07/18 | Telecoms Plan A3

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

hodbate@yahoo.com

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Thank you for your enquiry.

Please be advised that Sky Telecommunications Services Ltd will not be affected by your proposal.

Best endeavours have been made to ensure accuracy, however if you require further information, please contact us by email at nrswa@sky.uk.

Regards

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

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Hi, thanks for the advance notice however I can confirm on this occasion we have NO apparatus in the vicinity of the proposed works.(Gtt formerly Hibernia Networks). We are now a member of LSBUD, for all future requests please contact LSBUD directly.

Regards

Owen Maguire

Networks Operations Manager NI
office: +44 (0) 28 70380028 | mobile: +44 754-553-2224

www.gtt.net

CityFibre

LEGEND

EXISTING PLANT

EXISTING PLANT

Select a bitmap

Head Office
CityFibre Holdings Ltd
15 Bedford Street,
London,
WC2E 9HE

Tel: 0845 293 0774
Web: www.cityfibre.com

Asset Office
CityFibre Holdings Ltd,
Rutherford House,
Birchwood,
Warrington,
WA3 6ZH

Email: asset.team@cityfibre.com

Disclaimer:

Information shown on this plan is for general guidance only. No warranty is made as to its accuracy.
This plan must not be solely relied upon in the event of excavation or other works being carried out in the vicinity of Cityfibre plant.
No liability of any kind is accepted by Cityfibre, its agents or servants for any error, omission, discrepancy or deviation. This information is valid for the date printed.

Project

Plant Enquiry

Drawing

Existing Plant

Drawn by:

smallworld

Date: 11/08/2018

Drawing No.

CFH_EP_000001

Revision

001

Scale: 1:1250

A4

0m 10m 20m 30m 40m 50m 60m

N

Plant Enquiry: Woodlands Meed, West Sussex. August - 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


Birchwood Grove Rd
Birchwood Grove Rd
wood Grove Rd
The Warren
The Warren
The Warren
Bough Beeches
Singleton Way
Chilcomb
Pendean
Orange
Vodafone
T-Mobile
Three
O2
BT TE
Airwaves
CTIL
Arqiva
EE
UHF Relay
UHF Major
Offered

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Dear Sir/Madam,

Please note that KCOM only own apparatus within the Public Highway in East Yorkshire and Lincolnshire.

Apparatus in the Public Highway, which was previously owned by KCOM outside of East Yorkshire and Lincolnshire, is now owned by City Fibre.

All future Plant enquiries or NRSWA C2, C3 or C4 Inquiries, regarding this apparatus outside of East Yorkshire and Lincolnshire, should be directed to City Fibre not KCOM.

Please forward your enquiry to asset.team@cityfibre.com

PLEASE NOTE THIS EMAIL HAS NOT BEEN FORWARDED

Regards

Jarod Gillespie

Apprentice Planning and Design Consultant– Field Engineering

Tel: +44 (0)3316 646302

Mob: +44 (0)7484 032622

Email: jarod.gillespie@kcom.com

Web: www.kcom.com

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

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.

Yours faithfully

PLAN*CAST* Plant Enquiry Department

The Old Haybarn
Rosebery Mews, Mentmore
Bedfordshire LU7 0UE

T: 01296 662647
www.plancast.co.uk

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Thank you for your recent enquiry regarding your proposed work at the above location.

euNetworks Fiber UK Limited do not have plant in the vacinity of your proposed works and no strategic additions to our existing network are envisaged in the immediate future.

This information is only valid for a period of 3 months so, if your start date is 3 months or more from the date of this email, please re-apply for updated information at our generic email addre ss: plantenquiries@psgservices.co.uk.

Kind regards

ALL PLANT ENQUIRIES AND DIVERSIONARY REQUESTS SHOULD BE ADDRESSED BY EMAIL TO THE OPERATIONS

TEAM AT plantenquiries@psgservices.co.uk **, WITH A PLAN AND FULL POSTAL ADDRESS OF YOUR ENQUIRY,**

THANK YOU

For and on behalf of euNetwork Fiber UK Limited

Regards

Stuart Green

M 07796 696810 | **T** 01257 433166 | **E** plantenquiries@psgservices.co.uk

Telecommunications Survey, Planning, Engineering & GIS Services ----------

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Good Morning,

I can confirm there are no assets in the area.

Kind Regards

Claire Phillips

Distribution Administration Assistant

0844 800 1813

Harlaxton Energy Networks Limited

Toll Bar Road, Marston, Grantham, Lincolnshire, NG32 2HT Registered Company Number : 7330883

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Dear Sir or Madam,

With reference to your plant enquiry below, we can confirm that SOTA do not have any apparatus within the immediate proximity of your proposed works.

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

Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.

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: sota.plantenquiries@instalcom.co.uk
Web: http://www.instalcom.co.uk

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

www.**telent**.com

Our Ref LPENQ0000099318

Dear Sir/Madam

Teliasonera Line Plant Enquiry.

Thank you for your correspondence enclosing details of your proposals as per your reference below.

Deepcut Bridge Road, Deepcut, Camberley

Our client's apparatus, Teliasonera, is not located within the vicinity of the above reference and we therefore have no further interest in this current location.

Please note that all enquiries relating to the Teliasonera line plant should be forwarded to:

By post – to, telent,

Teliasonera line plant enquiries

Mayne House,

Fenton Way,

Basildon,

Essex

SS15 6TD

By email - to, telenttelia.plantenquiries@telent.com

By phone – to, 01268 412670

Yours faithfully

Telent CCO

Basildon

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

Dear Sir/Madam

Turner & Townsend Project Management are appointed on behalf of MBNL to conduct Plant (apparatus) Searches *in accordance with the relevant NRSWA Act 1991- Diversionary Works legislation*. These searches considered plant belonging to EE (T-Mobile and Orange sites) and the HG3 mobile telecommunication networks.

Further to your plant enquiry please see the response below to the NRSWA request submitted

MBNL **do not have any plant that would be affected by the proposed work**. Should you have any further queries please use the contact details below.

Kind Regards

MBNL SHQE Team

Turner & Townsend
t: +44 (0) 121 262 3663

http://www.turnerandtownsend.com

Plant Enquiry: Woodlands Meed, West Sussex. August - 2018

To whom it may concern

With regard to your request for details of existing services in the specified area;

19 Steels Lane
London
E1 0DP
Grid 535465 - 181182

We can confirm that, based on the details provided to us, we have no buried plant or equipment in the identified area.

ENGIE Document Control
Urban Energy
UK & Ireland
NRSWA.UK@engie.com

Cofely GDF SUEZ is now ENGIE

engie.co.uk

Kings Yard,
1 Waterden Road,
Queen Elizabeth Olympic Park
London E15 2GP - UK

Disclaimer

This record pack has been compiled from information provided by Statutory Utility Providers.
Whilst every effort has been made to ensure the accuracy
And completeness of information included within this report,

Siteline Surveys Ltd

Take no responsibility for erroneous or missing historic record data which has been supplied
To us from a utility provider. Due to the nature of record
Information being indicative rather than accurate it is advisable
For a full site utility survey to be undertaken
Prior to any groundwork's or construction.