

B. Typical example of Low Voltage cable records:



1. Sub Station
2. Low Voltage Underground cable.
3. Link Boxes: This is a box with a manhole cover marked as belonging to SSEN Distribution containing links. Either two or four cables will lead away from a link box.
4. Straight Joint: This is where two separate cables are joined together.
5. Breech Joint: This is where another cable is attached to the main.
6. Pot End: This is the end of the cable. In certain circumstances service cables to properties can be taken from the pot end. These services may not be shown on the plans.
7. Road crossing duct where a cable is routed under a path or road.
8. Cable terminations/Pole Box: Where underground cables are connected to overhead lines
9. Overhead line.
10. Street Lamps.

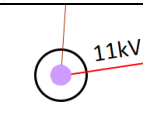
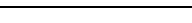
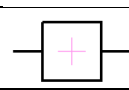
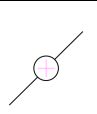
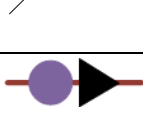
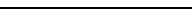
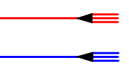
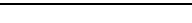
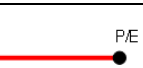
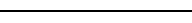
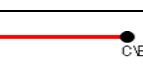
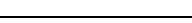
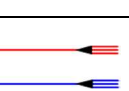
11. Services to properties: The service cable to an individual property are not always shown on the mains records that SSEN Distribution supply.
In some cases, a service can be looped from an adjacent property.

C) Typical example of High Voltage cable record.



1. Sub Station
2. High Voltage Underground cable – Colour denotes voltage.
3. Straight Joint: This is where two separate cables are joined together.
4. Breech Joint: This is where another cable is attached to the main.
5. Cable terminations/Pole Box: Where underground cables are connected to overhead lines
6. Overhead Switch.

SSEN DISTRIBUTION ELECTRIC SYMBOLS

Service cable		Single Poles	
LV Mains		H Poles	
LV Mains and Services (Split Phase)		3 Poles	
2-3.3kV		Tower	
6.6kV		Pole Mounted Transformer	
11kV		Circuit Breaker	
22kV		Switch Disconnector/ OH Air Break	
33kV		Pole Box	
66kV		Straight Joint	
132kV		Mains Breech Joint (Tee)	
Fibre Optic		Service Breech Joint	
Pilot Cable		Trifurcating Joint	
Assumed Route		Pot End	
Out of Service		Capped End	
Ducting		Sealing End	

Service Connector Joint		Surge Diverters	
Overhead Connector		Pillar	
Wall Box Joint		Substation	
Flying Stay		Non Electrical Item	
Stay		Street Furniture	
PME Earth		LV Link Box	
Neutral Earth		LV Supply Point	
Pit		ASLs	
Other Network		Embedded Network	



Our Ref: 24617541 Your Ref: Saltmarsh Lane

Thursday, 03 February 2022

Hannah Stalley
Premier House Daux Road
Billingshurst
West Sussex
RH14 9SJ

Dear Hannah Stalley

Portsmouth Water - Asset Network Plans

Thank you for your plant location/mapping enquiry.

Please find attached the plan(s) showing the approximate position of water mains at the requested location.

Service connections are not shown but it should be assumed that all premises are supplied from the water distribution network. Other connections not related to properties, such as field supplies, may also exist so we would suggest a visual/CAT scan/Ground Radar survey is undertaken prior to any hand or mechanical excavation.

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. This documentation is available at <http://www.hse.gov.uk/pubns/priced/hsg47.pdf>

Copies of guidance notes: Working near distribution apparatus and Guidance for working near or over a Trunk Water Main are enclosed. Please read carefully as the conditions will apply to any work you undertake in the vicinity of Portsmouth Water assets.

It is important to ensure that a copy of the above guidance is provided to those undertaking any work which may affect our apparatus.

Please note Portsmouth water has no responsibility for any underground drainage or sewerage infrastructure. Enquiries regarding these assets should be directed to the relevant authority/company.

Yours sincerely,

Portsmouth Water Asset Enquiries.

Contact Us

General Enquiries:

If you have a general enquiry, please call us on the following number

All areas: 02392 449082

Email: asset.enquiries@portsmouthwater.co.uk

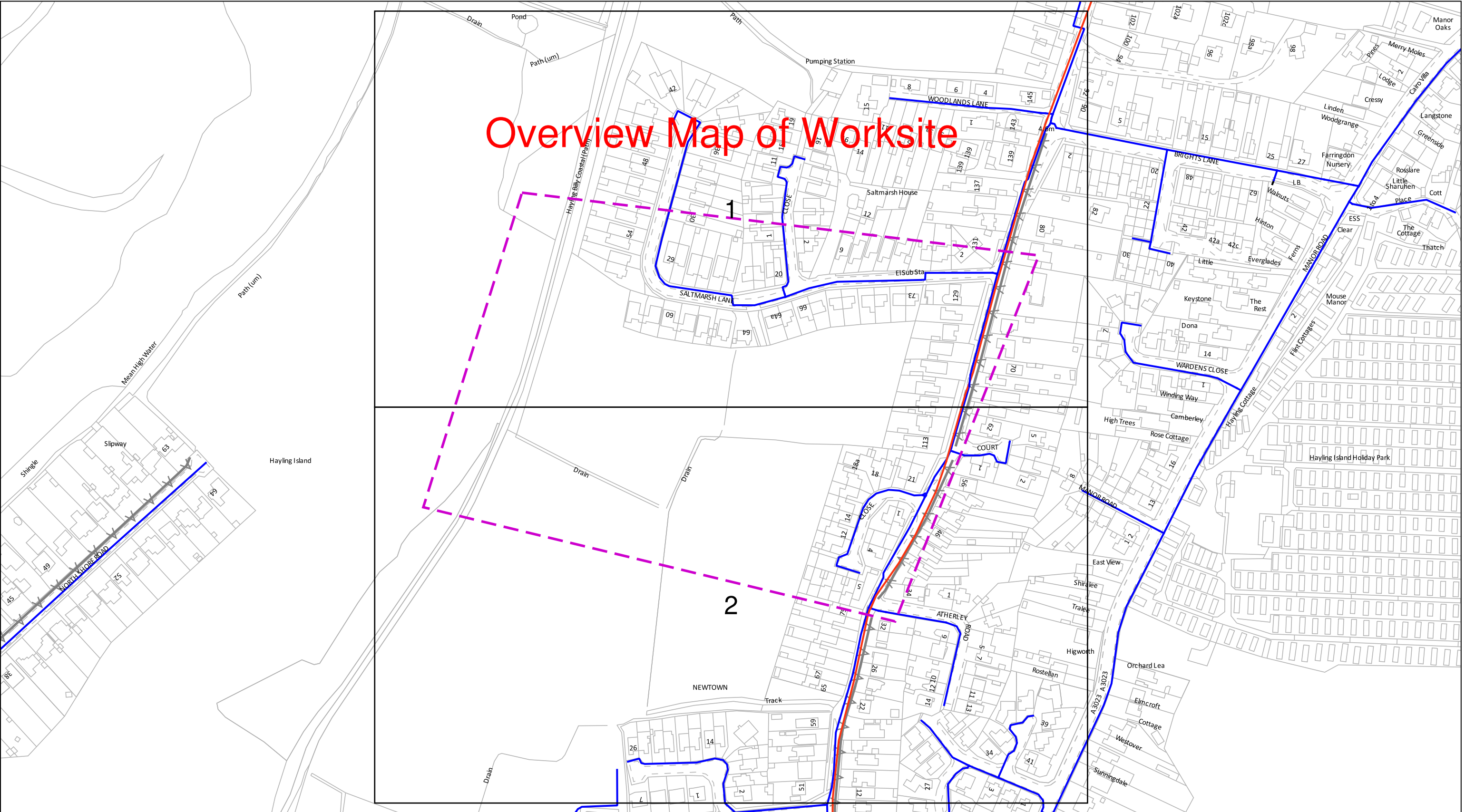
LineasearchbeforeUdig:

If you have an enquiry relating to the use of the LSBUD website, please contact LSBUD using the following information:

Telephone: 0845 437 7365

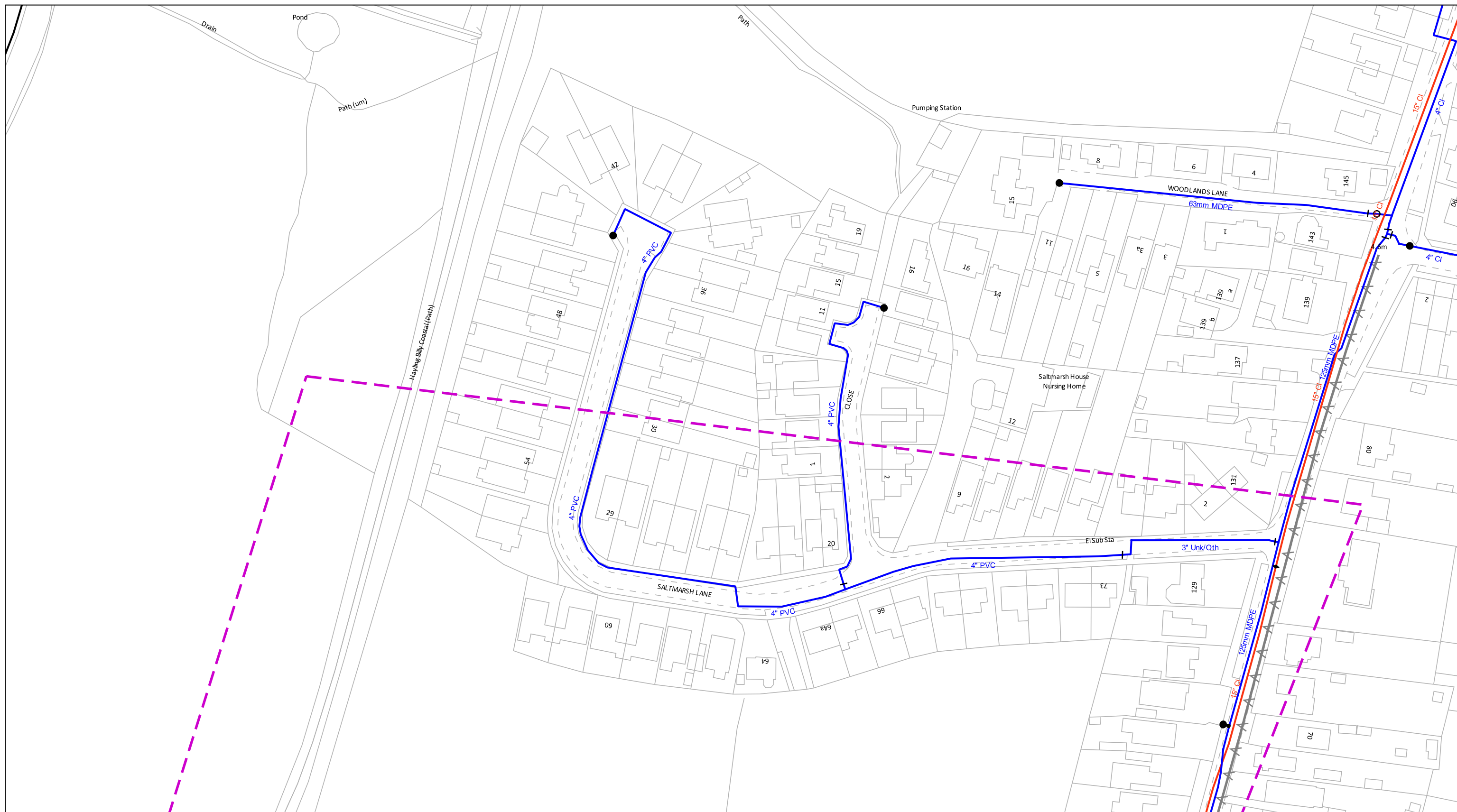
Email: enquiries@lsbud.co.uk

Website www.lsbud.co.uk



Dig Sites Area: Line: Measurements scaled from this plan may not match measurements between the same points on the ground.

Date Requested: 03/02/2022 Job Reference: 24617541 Site Location: 471262 100216 Requested by: Miss Hannah Stalley Your Scheme/Reference: Saltmarsh Lane Scale: 1:2562 (When plotted at A3)	Distribution Mains Communication Pipe Raw Water Main Trunk Main Fire Main Private Mains Abandoned Mains Cable	Registered Office P.O. BOX NO. 8, West Street, Havant, Hampshire. PO9 1LG. Registered in England No. 2536455 Telephone: (023) 9249 9888 Fax: (023) 9245 3632 Website: www.portsmouthwater.co.uk
	The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of service pipes or cables to individual premises. The responsibility for locating and avoiding damage to apparatus on site shall be that of the person proposing to excavate in the street who shall be liable to the apparatus owner and any third party who may be affected in any way for any loss or damage caused by their failure to do so.	



Dig Sites

Area: Line:

Measurements scaled from this plan may not match measurements between the same points on the ground.



Date Requested: 03/02/2022
Job Reference: 24617541
Site Location: 471262 100216

Requested by:
Miss Hannah Stalley

Your Scheme/Reference:
Saltmarsh Lane

Scale: 1:1250 (When plotted at A3)

 Distribution Mains
 Raw Water Main

 Communication Pipe
  Trunk Main

 Fire Main
  Abandoned Mains

 Private Mains
 Cable

-  Company Washout Hydrant (Single)
-  Company Washout Hydrant (Offset)
-  Fire Brigade Hydrant (Single)
-  Fire Brigade Washout Hydrant
-  Fire Brigade Hydrant (Offset)

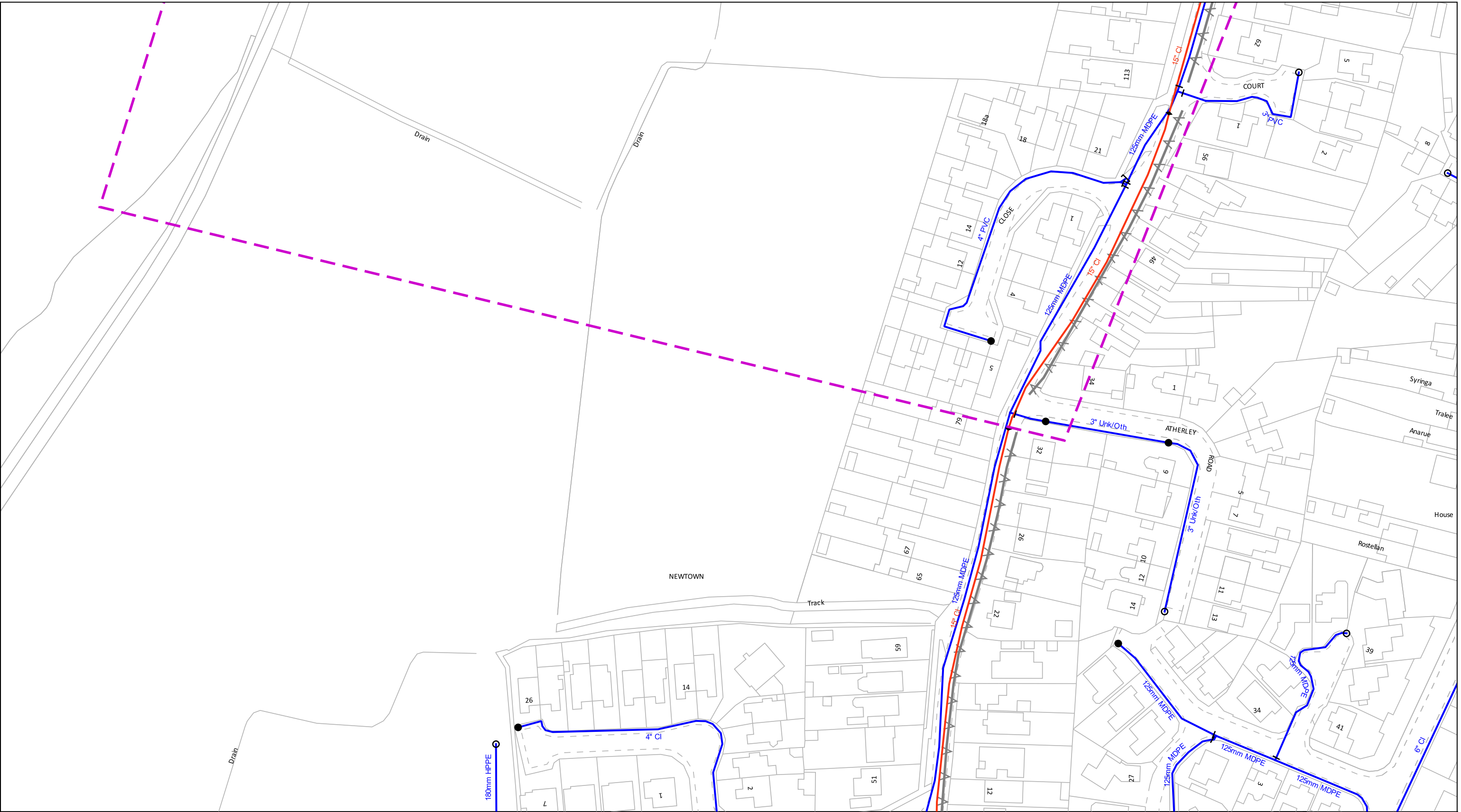
	Reflux Valve		Capped End
	Air Valve		Stop Cock
	Open Valve		Butterfly Valve
	Closed Valve		Pressure Flow Valve

 Meter
 New Appointments & Variations
 Assets within shaded area please contact:
 Leep Utilities
 Email: water@leeputilities.co.uk
 Tel: 0345 122 6780

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

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

Warning: PDF designed for colour print only with no page scaling. This information is given as a guide only and its accuracy cannot be guaranteed.
Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.



0100 m

Scale: 1:1250 (When plotted at A3)

Dig Sites

Area: Line:

Measurements scaled from this plan may not match measurements between the same points on the ground.

Distribution Mains Communication Pipe Fire Main Private Mains Raw Water Main Trunk Main Abandoned Mains Cable

Company Washout Hydrant (Single)

Company Washout Hydrant (Offset)

Fire Brigade Hydrant (Single)

Fire Brigade Washout Hydrant

Fire Brigade Hydrant (Offset)

Reflux Valve

Air Valve

Open Valve

Closed Valve

Capped End

Stop Cock

Butterfly Valve

Pressure Flow Valve

Meter

New Appointments & Variations

Assets within shaded area please contact:
Leep Utilities
Email: water@leeputilities.co.uk
Tel: 0345 122 6780

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

Portsmouth Water

Registered Office

P.O. BOX NO. 8, West Street, Havant,
Hampshire. PO9 1LG.

Registered in England No. 2536455

Telephone: (023) 9249 9888

Fax: (023) 9245 3632

Website: www.portsmouthwater.co.uk

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Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.

(Page 2)

These conditions are guidance for contractors or other third party organisations in order to reduce the risk of damage to any trunk water mains and the following liability for such damage.

They don't replace or change any rights held by the Company by virtue of the Water Industry Act 1991 or any deed of grant of easement for the length concerned.

No work whatsoever shall commence on or adjacent to any trunk water main before full consent has been granted by Portsmouth Water regarding the process in which the work shall be progressed and completed.

At least 10 working days' notice will be given of any intention of such works.

Our normal hours of business Monday to Friday 8:30am – 4:30

In an emergency contact our 24 hour Emergency Operations Centre on 023 9247 7999.

No building of any description shall be erected on or adjacent to the pipeline. No materials including spoil shall be stored on or adjacent to the pipeline and access to and along the route of the pipeline shall be kept clear and unrestricted at all times. No trees shall be planted or allowed to grow on or adjacent to the route of the pipeline.

Any pipes, drains or sewers crossing over the pipeline shall be laid in steel or ductile iron (or other suitable material) and shall cross as near as possible to 90° to the line of the main. A minimum of 300mm (12") of clearance must be given to any crossing above or below the pipeline.

Excavation around or beneath the conduit or pipeline must be completed by hand and great care exercised to ensure that any protective wrapping is not damaged. Excavations shall be fully supported and shall be backfilled to the satisfaction of Portsmouth Water. The Company reserves the right to stop all work on or adjacent to the pipeline which, in the opinion of its Officers, places the main or its employees at risk. As a consequence of such action, the Company will not accept any claims for damage.

Fences crossing the route of the pipeline should be as near as possible to 90° to the line of the main. Proposals for new fence crossings shall be submitted to the Company for approval, any such work shall not commence until approval granted.

Any proposed alterations to existing ground levels on or adjacent to the pipeline must be agreed and approved by Portsmouth Water.

The movement of vehicles and plant of a total weight exceeding 6 tonnes across the unprotected pipeline is forbidden. The repetitive movement of vehicles or plant of any weight over the unprotected main is forbidden. Where access is required at agreed positions the following protection shall be provided:

For axle loads exceeding 3 tonnes but not exceeding 10 tonnes

Vehicle crossing points over the route of the pipeline shall consist of substantial timber baulks 200mm (8") minimum section capable of spanning the pipeline, supported on timber baulks laid parallel with the aqueduct and placed not less than 2.5 metres (8ft) on each side of the centreline. (Other agreed protection may be considered). In the case of multiple pipelines, the timber baulks shall be additionally supported on timbers 300mm (12") minimum section laid in parallel to and between each pipeline. (Other agreed suitable protection may be considered).

For axle loads exceeding 10 tonnes.

Where heavy plant or vehicles with axle loads exceeding 10 tonnes require to cross the pipeline, special consideration must be given to the circumstances of each individual case. Where necessary, a single span bridge of the Bailey type will be required to span the pipeline.

All crossings must be securely fenced on each side so that access is limited to the protected areas.

Any permanent access crossing the pipeline shall be in a position approved by the Company and shall be adequately reinforced to prevent any damage.

Persons or their contractors working on or adjacent to the pipeline will be required to indemnify the Company for the full cost of any damage caused to its installations and for any costs, charges and expenses resulting from these operations.

Contact Us;

Portsmouth Water Limited, PO Box 8, West Street, Havant, Hampshire, PO9 1LG.

e-mail us at: asset.enquiries@portsmouthwater.co.uk

call us on; **(023) 9249 9888 or, (023) 9244 9082**

Our normal hours of business Monday to Friday 8:30am – 4:30

These general notes and precautions are guidance for contractors or other third party organisations and apply when working adjacent to Portsmouth Waters distribution assets.

They don't replace or change any rights held by the Company by virtue of the Water Industry Act 1991 or any deed of grant of easement for the length concerned.

If requested Portsmouth Water will provide approximate locations of water mains according to our records. Our records do not usually show positions of water service pipes from the water main to properties. They may not be accurate or complete and no company or person will be given dispensation from liability for damaging our apparatus for the reason of the actual positions or depths being different from those indicated on plans. Portsmouth Water staff or contractors will visit any site, given reasonable notice to help in the location of our apparatus, and can offer advice on precautions that we may require to avoid any damage.

To satisfy safe working conditions adjacent to any of our apparatus you should comply with the following guidance:

All our water apparatus must be located by hand digging before the use of any mechanical plant to excavate.

- As construction work progresses where heavy plant may have to cross the line of a water main, and that water main is not under an adequate standard of carriageway, crossing points should be sufficiently reinforced with sleepers or some other suitable material as necessary. All crossing points must be clearly indicated and other places where crossings could be made should be prevented. This is more apparent where our water mains cross rural areas.
- If you propose to use piling within 20m of any water pipe, Portsmouth Water must be consulted so that we can survey the area.
- Where any excavations adjacent to any water pipe affects the support, that pipe must be adequately supported to our satisfaction.
- Any backfilled trenches parallel to or crossing a pipe must be compacted sufficiently to prevent any subsidence which could cause damage to the main. In some instances permanent support may be required to support a pipe exposed over an excessive length prior to backfilling. We do not allow concrete backfill to come into contact with any pipe.
- A minimum clearance of 300mm must be provided between any plant being installed to allow repair and maintenance, whether the plant be parallel or crossing the water pipe. No manholes or chambers will be built over or round our apparatus or pipes.
- Where Portsmouth Waters apparatus is damaged, even any special wrapping you must notify us so we are able to make the damage good, no matter how minor that damage is. All damage repairs will be charged to the person or company responsible. Leave the trench open so we are able to repair our apparatus speedily.
- If leakage is found or caused you must inform Portsmouth Water immediately, leave the trench open so we may repair the damaged apparatus.
- Where your proposed work will involve altering existing levels over our water mains you must inform us. We will require specific locations and details of the changes to ground levels. This may require a diversion of our apparatus for which there will be a charge. In some circumstances we may require that our apparatus remains where it is. Any surface boxes must be either lowered or raised accordingly. We may give you permission to compete this work. Under no circumstances are our boxes to be left buried or raised above the finished ground level. If any damage occurs as a result of your work, the repairs will be fully rechargeable back to you.

Tree planting near our Water Mains.

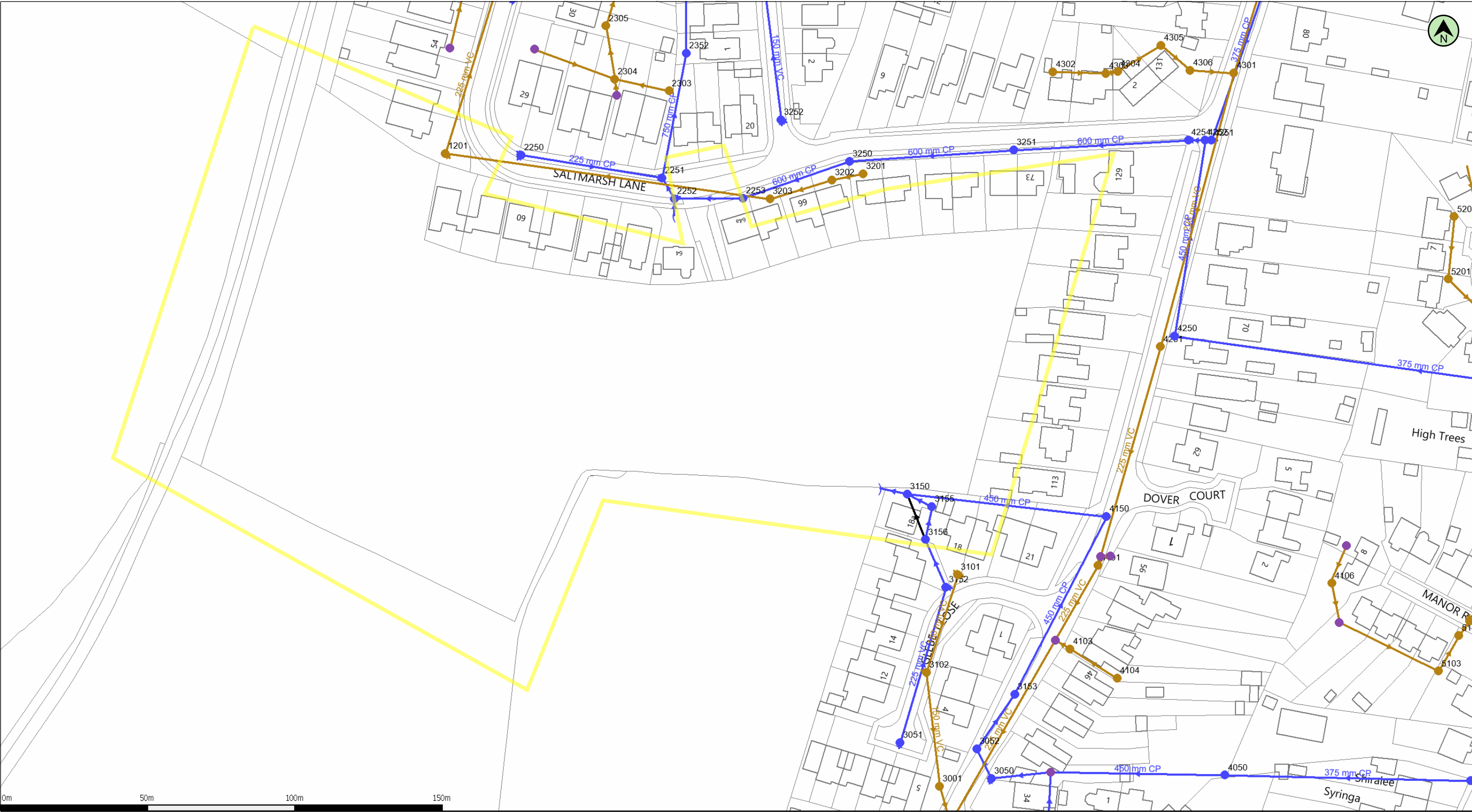
- Cherry, willow and poplar trees have extensive tree root systems and must not be planted within 10m of any water main.
- Other various species of trees such as evergreen, ash, beech, birch, elm, horse chestnut, lime, oak, sycamore may be allowed to be planted slightly nearer, however they must not be planted within 5m of our apparatus. More general advice can be obtained from contacting us.
- We must have a clear path maintained for inspection, repairs and maintenance, therefore we do not recommend the planting of shrubs and bushes within one meter of the pipeline.
- In instances where plants are to be used for screening purposes you should contact our office for advice. Consideration will be given to shallow rooting species such as elder, hazel, privet etc. Soft fruit such as black currant, raspberries and gooseberries will also be considered.

Contact Us;

Portsmouth Water Limited, PO Box 8, West Street, Havant, Hampshire, PO9 1LG.
e-mail us at: asset.enquiries@portsmouthwater.co.uk
call us on; (023) 9249 9888 or, (023) 9244 9082

Our normal hours of business Monday to Friday 8:30am – 4:30

In an emergency contact our 24 hour Emergency Operations Centre on 023 9247 7999.



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Date: 03/02/22

Scale: 1:1250

Map Centre: 471295,100199

Data updated: 17/01/22

Our Ref: 773117 - 2

Wastewater Plan A3

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 determined on site. This plan is produced by Southern Water Services Ltd (c) Crown copyright and database rights 2022 Ordnance Survey 100031673. This map is to be used for the purposes of viewing the location of Southern Water plant only. Any other uses of the map data or further copies is not permitted.

WARNING: BAC pipes are constructed of Bonded Asbestos Cement.

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement.

martin.darlison@premierenergy.co.uk

Saltmarsh



Our Ref: 24617541 Your Ref: Saltmarsh Lane

Thursday, 03 February 2022

Hannah Stalley
Premier House Daux Road
Billingshurst
West Sussex
RH14 9SJ

Dear Hannah Stalley

Thank you for your enquiry dated Thursday, 03 February 2022

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.

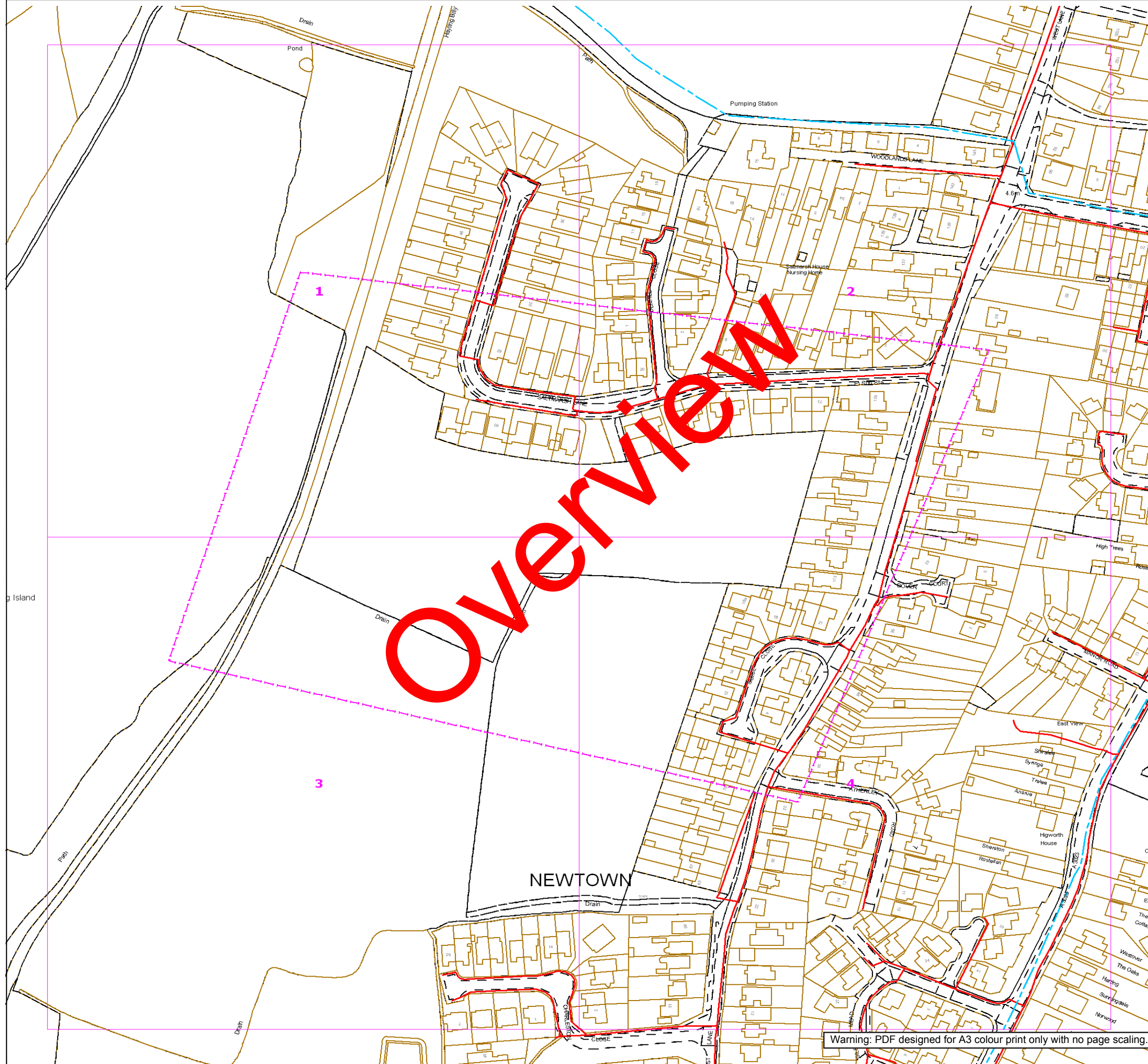
A colour copy of these plans and the gas safety advice booklet enclosed should be passed to the senior person on site in order to prevent damage to our plant and potential direct or consequential costs to your organisation.

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



Contact Us
Mapping Enquiries:
All areas

General Enquiries:
All areas

Date Requested: 03/02/2022
Job Reference: 24617541
Site Location: 471265 100197
Requested by:
Miss Hannah Stalley
Your Scheme/Reference:
Saltmarsh Lane

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

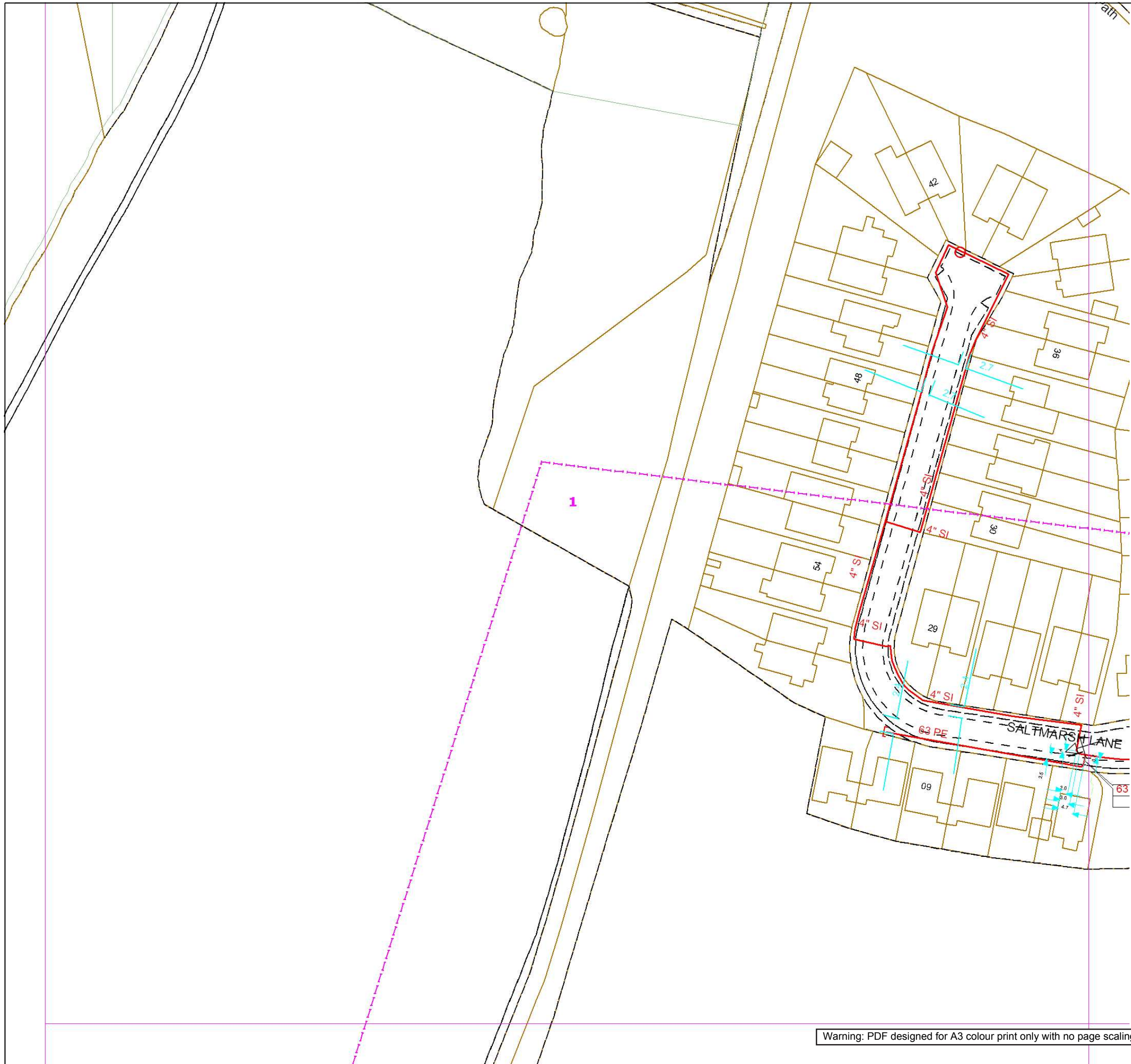
Diameter Change

Material Change

Digsite: Line:

Area:

This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Southern Gas – 100044373 and Scotland Gas – 100044366.



SGN
Your gas. Our network.

Contact Us

Mapping Enquiries:
All areas

General Enquiries:
All areas

Date Requested: 03/02/2022
Job Reference: 24617541
Site Location: 471265 100197
Requested by:
Miss Hannah Stalley
Your Scheme/Reference:
Saltmarsh Lane
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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



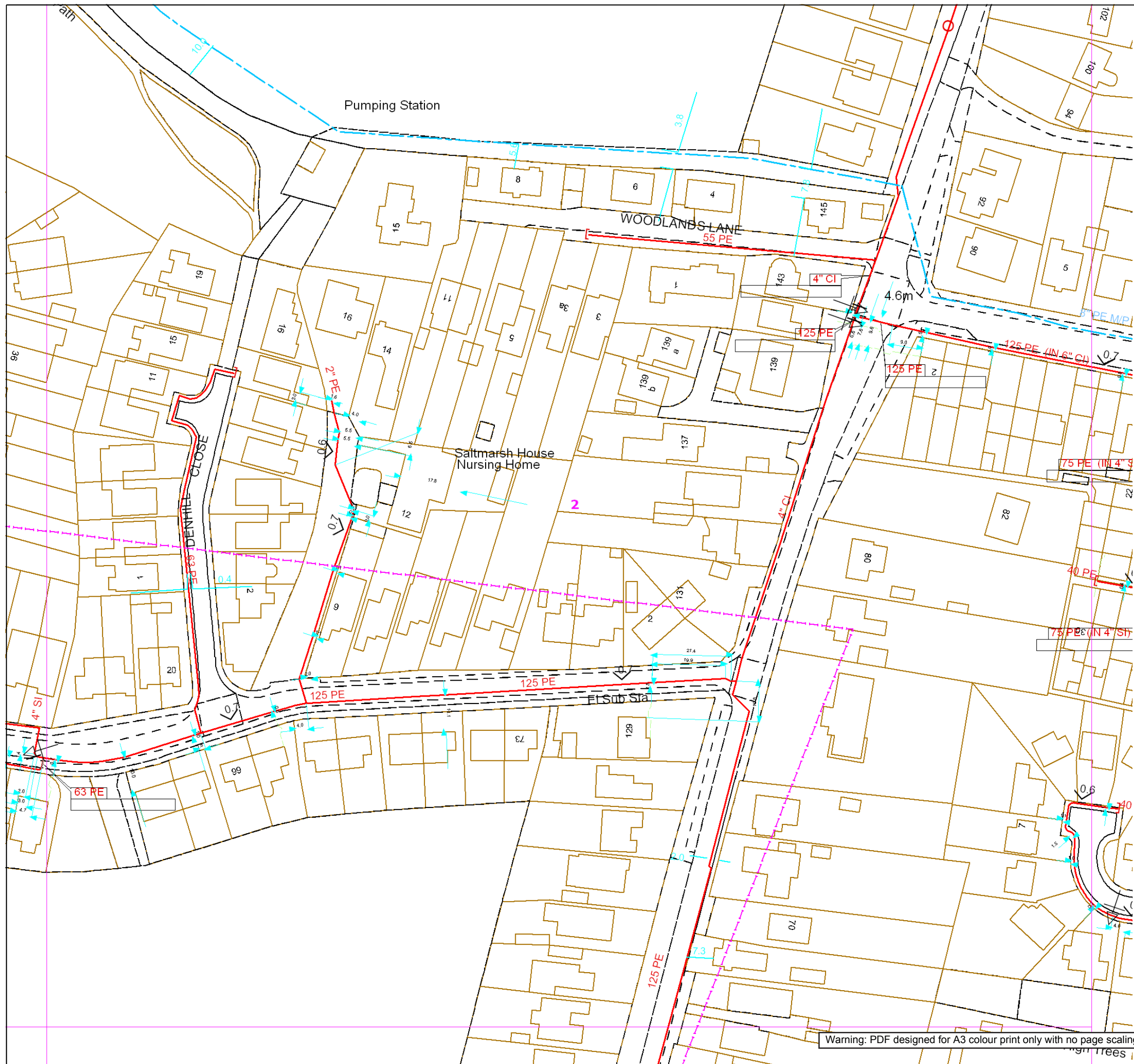
Digsite:

Line:

Area:



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SGN
Your gas. Our network.

Contact Us
Mapping Enquiries:
All areas

General Enquiries:
All areas

Date Requested: 03/02/2022
Job Reference: 24617541
Site Location: 471265 100197
Requested by:
Miss Hannah Stalley
Your Scheme/Reference:
Saltmarsh Lane
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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

Some Examples Of Plant Items

Valve

Syphon

Depth of Cover

Diameter Change

Material Change

Digsite: Line:

Area:



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SGN

Your gas. Our network.

Contact Us
Mapping Enquiries:
All areas

General Enquiries:
All areas

Date Requested: 03/02/2022
Job Reference: 24617541
Site Location: 471265 100197
Requested by:
Miss Hannah Stalley
Your Scheme/Reference:
Saltmarsh Lane
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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Syphon

Depth of Cover

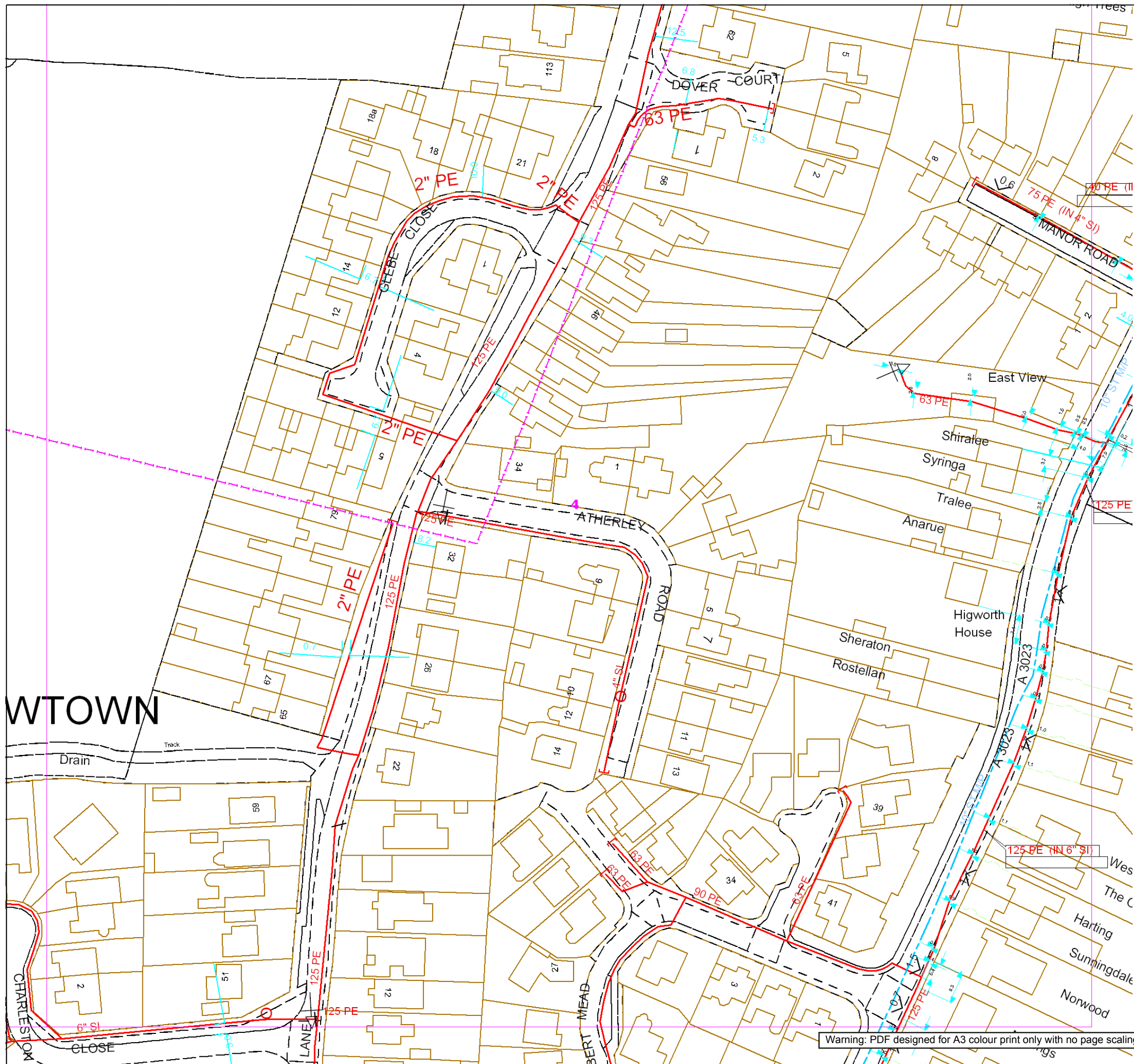
Diameter Change

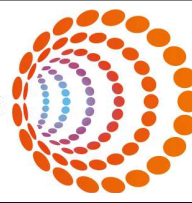
Material Change

Digsite: Line: Area:



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SGN
Your gas. Our network.

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Mapping Enquiries:
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:



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Map Symbols

VALVE OPEN	VALVE CLOSED	GOVERNOR	END CLOSURE	SYPHON	REDUCER	TEE
TEST POINT	CATHODIC PROTECTION	GENERAL REFERENCE	FLOW MEASURE	DIP POINT	MONO ETHYLENE GLYCOL	OILING POINT
FLOW STOP	PRESSURE MEASUREMENT	STAND PIPE	OFFICIAL MINISTRY RECORD	PURGE POINT	GAS CONDITIONER	DRAIN POINT
					LP MAINS	
SKETCH BUBBLE	DEPTH OF COVER	METER	MATERIAL CHANGE		MP MAINS	
					IP MAINS	
					LHP MAINS	
					HISTORY DATA	
					SSSI	
PIG TRAP	CROSSOVER CONNECTION	CHANGE OF DIAMETER	PIPE JOINT		CONTACT ZONE	
						LTS

Safety Advice - Valves



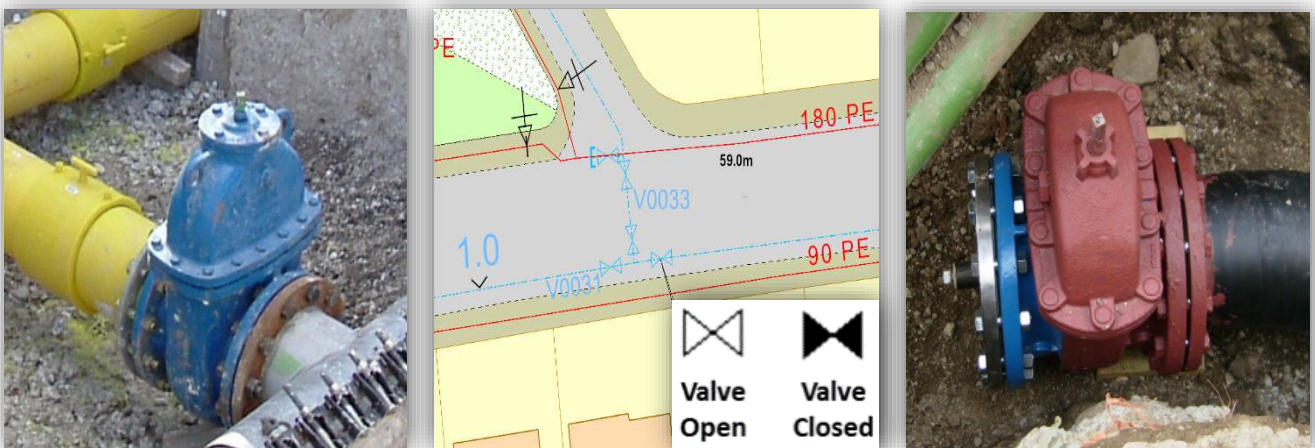
Guidance when undertaking work near gas valves in our network areas

SGN manages the network that distributes gas to 5.8 million homes and businesses across Scotland and the south of England.

Due to a manufacturing issue, we are currently replacing or upgrading certain valve types that are at risk of bolt failure. In extreme cases, this can lead to gas escapes. This is a safety hazard and we have produced this guide to ensure you undertake adequate safety precautions when working near gas valves.

Identifying gas valves

The images below are an illustration of typical gas valves. Please note, valves come in various colours, shapes and sizes, and you may come across a valve that looks different to those found in the images.



What should you do?

When planning to work in our network areas, please observe the following points:

1. You must contact us before starting any work activity within **3.0m** of a gas valve identified on our maps.
2. If an unexpected gas valve is exposed you must immediately stop excavation works and report this to us.
3. To protect yourself against the risks associated with exposing a valve, we advise that you contact us when in doubt.

Contact details

If you require further information or need assistance please contact us:

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

Valve enquiries will be forwarded to a local engineer who will provide further safety information.



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

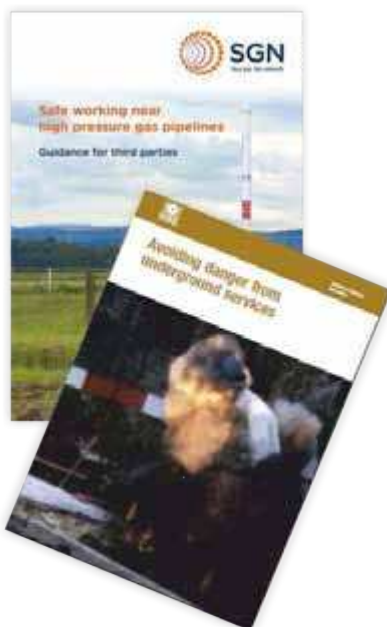
If you cause a gas leak or suspect a main or service pipe or equipment is leaking, you **MUST** take the following emergency actions immediately:

- **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.

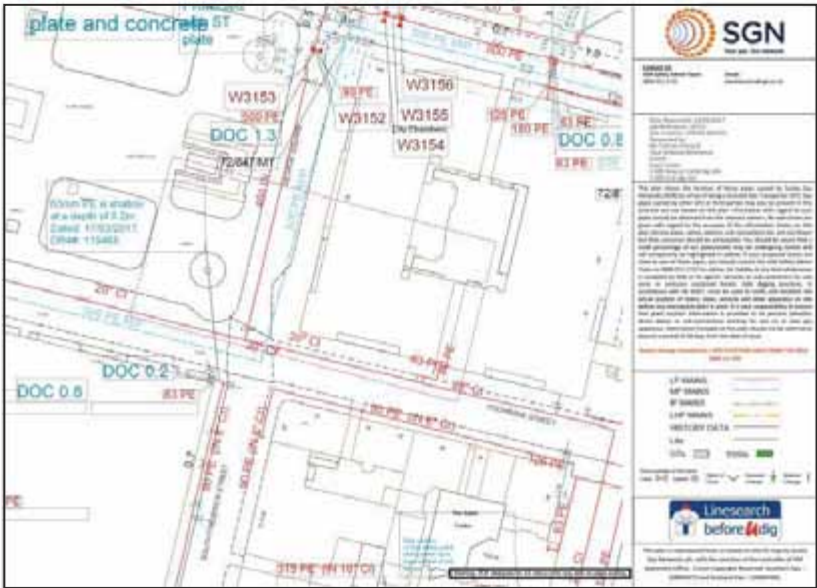
Our simple and easy to use online mapping system is available 24/7, 365 days a year.

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.



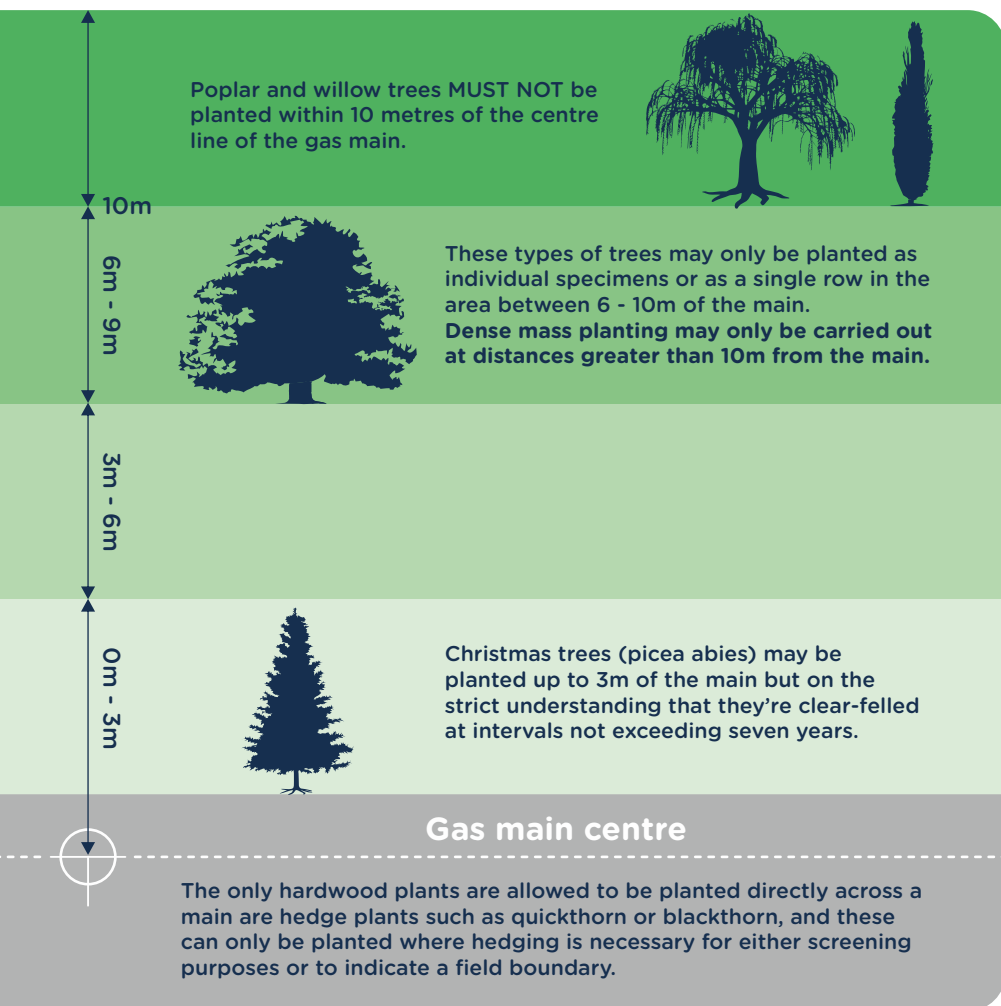
In cases where screening is required, the following are shallow rooting and may be planted close to the gas mains and services: blackthorn, broom, cotoneaster, elder, hazel, laurel, quickthorn, privet, snowberry and most ornamental shrubs.

Gas main centre

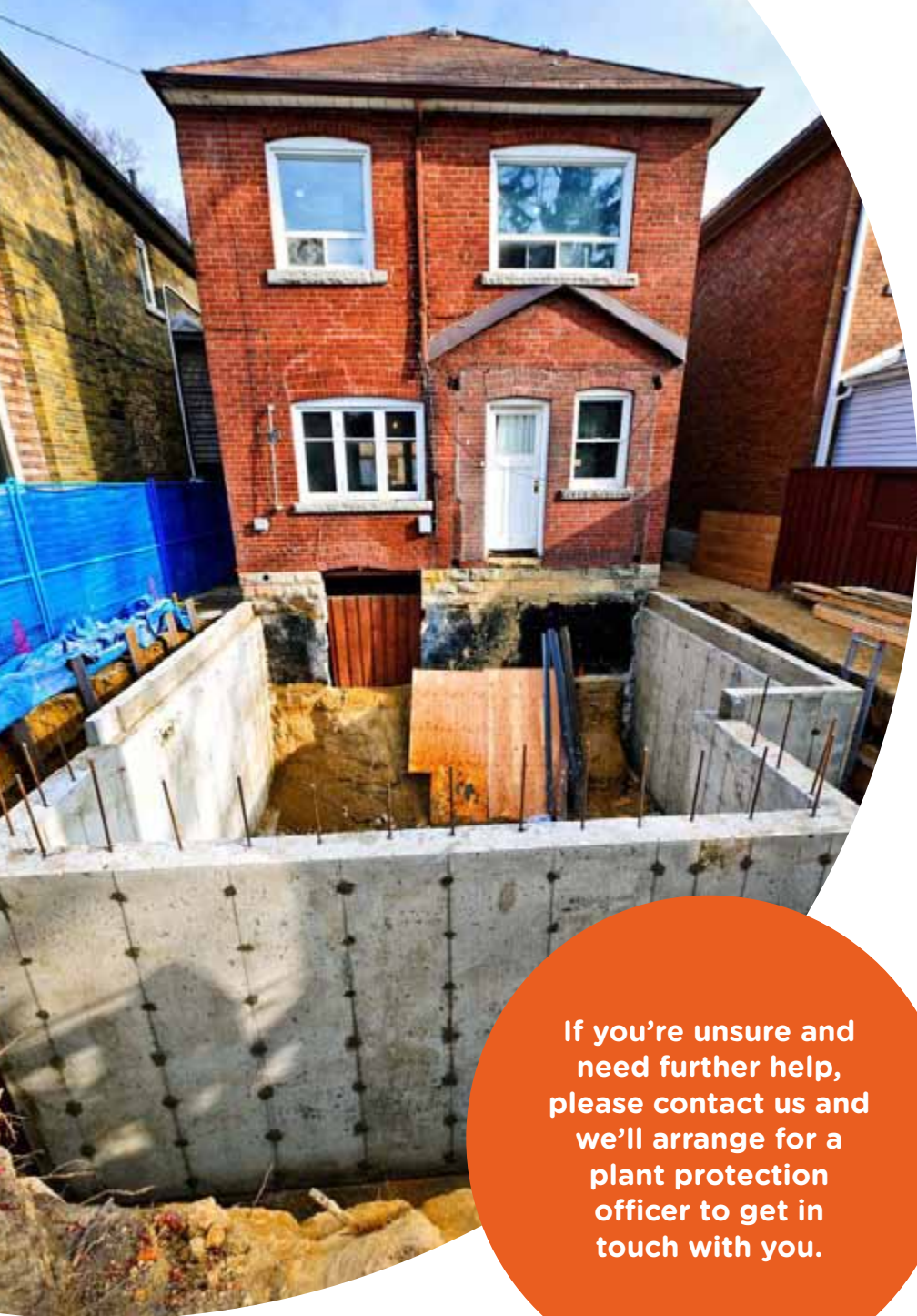
Raspberries, gooseberries and blackcurrants may be planted on the gas main, but a four metre strip, centred on the main, **MUST** be left clear at all times.

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

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

Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : WJF04401C

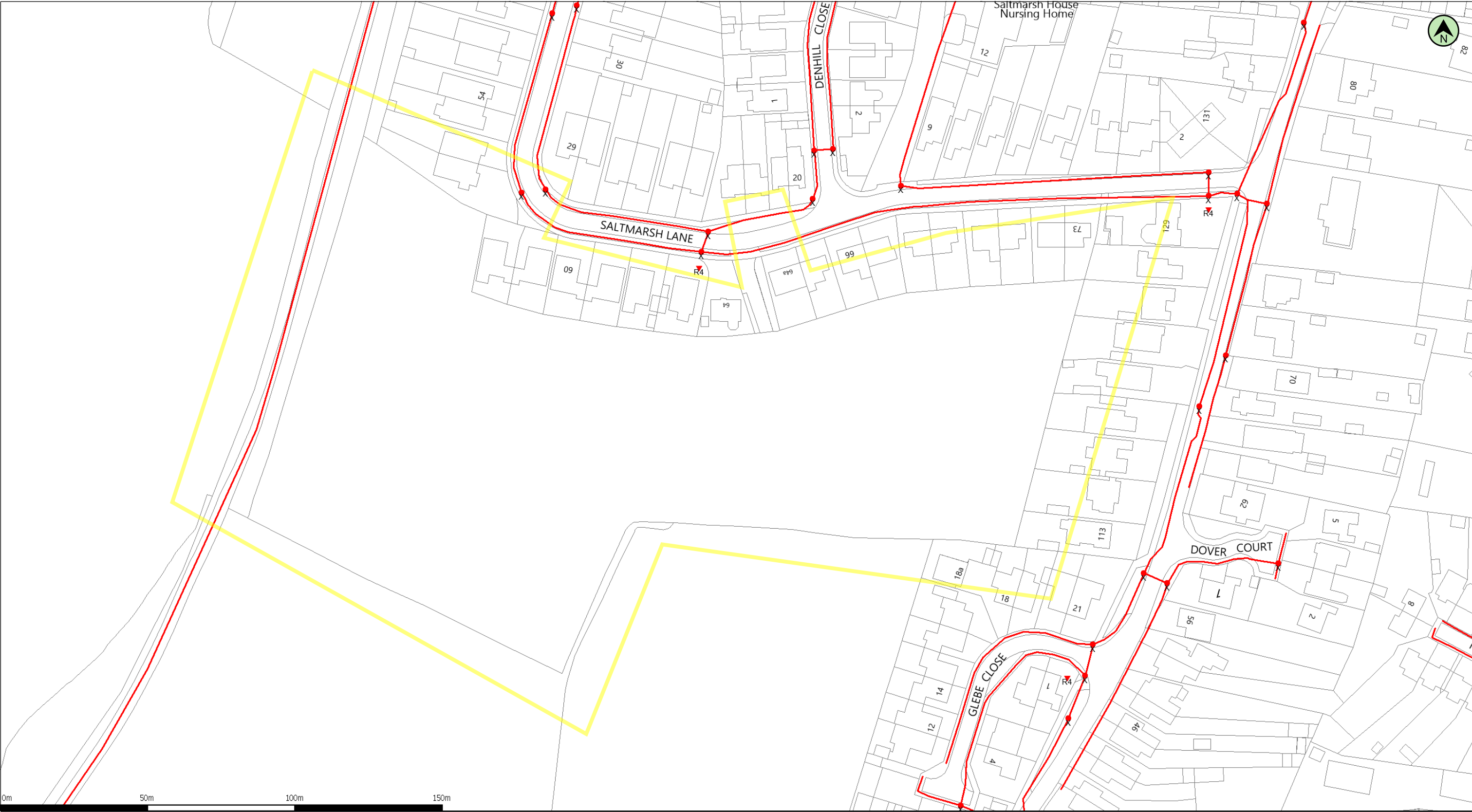
Map Reference : (centre) SU7124500213

Easting/Northing : (centre) 471245,100213

Issued : 03/02/2022 16:40:49

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Controller of Her Majesty's Stationary Office
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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



(c) Crown copyright and database rights 2022 Ordnance Survey 100019209 Date: 03/02/22 Scale: 1:1250 Map Centre: 471279,100216 Data updated: 25/01/22 Our Ref: 773109 - 2 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 2022 Ordnance Survey 100019209.

Duct, Trench	Chamber / Pole	Cabinet

hannah.stalley@premierenergy.co.uk
Saltmarsh

