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



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**Contact Us**

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

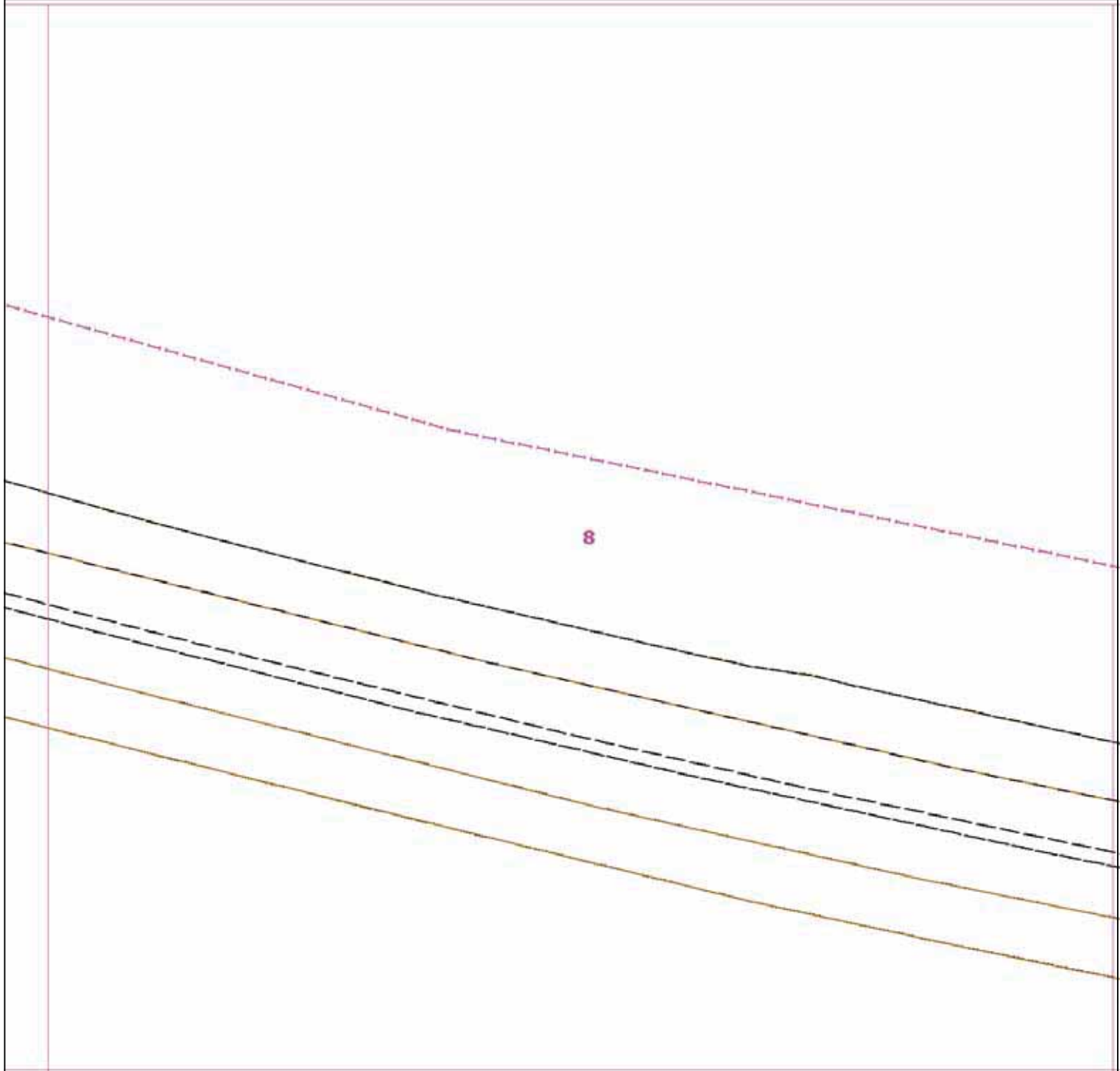
Date Requested: 22/01/2019  
Job Reference: 14654640  
Site Location: 480431 105975  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 1

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Exact Scales:  
1:1000 Area or Circle dig site  
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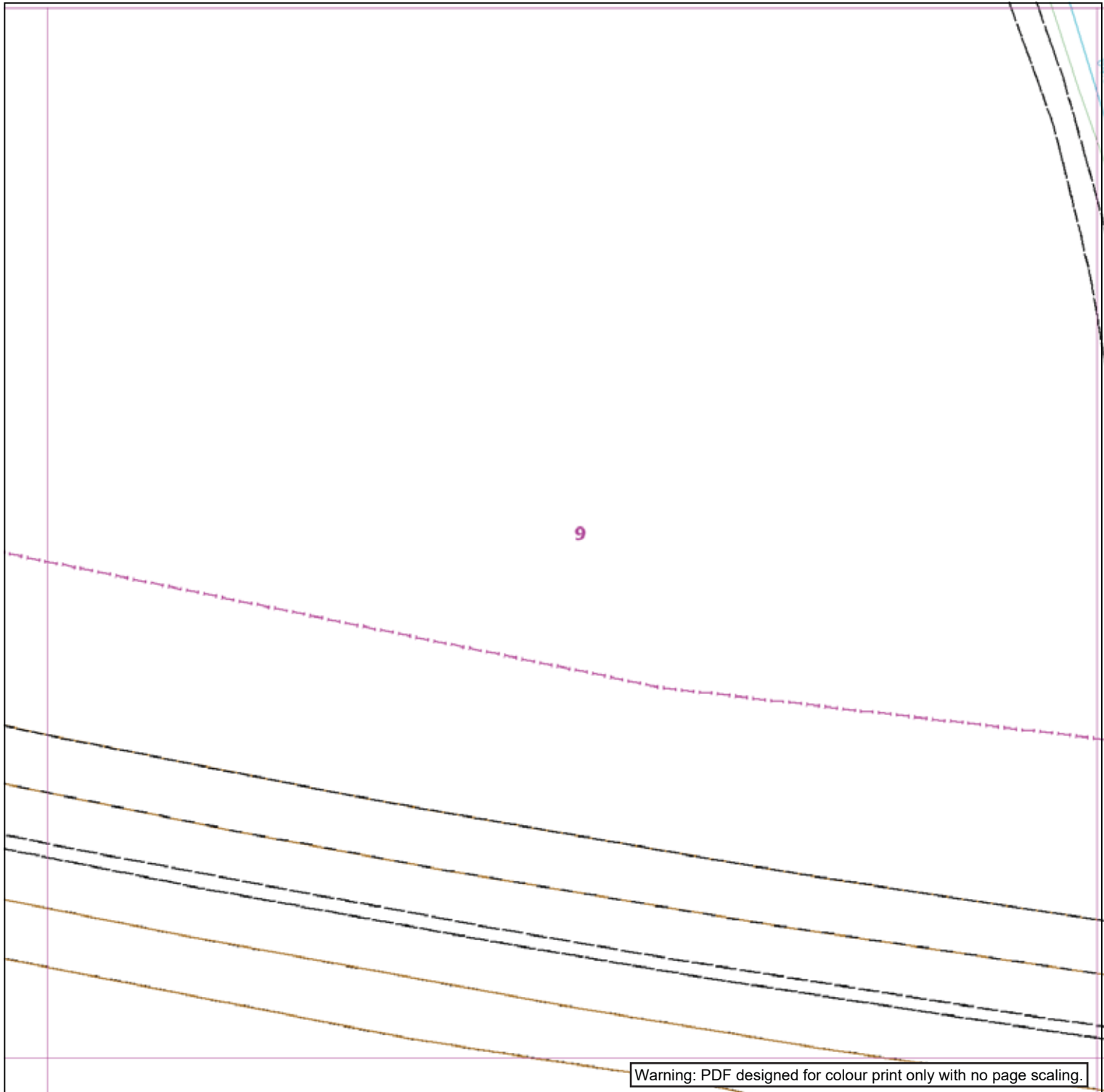
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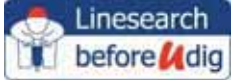
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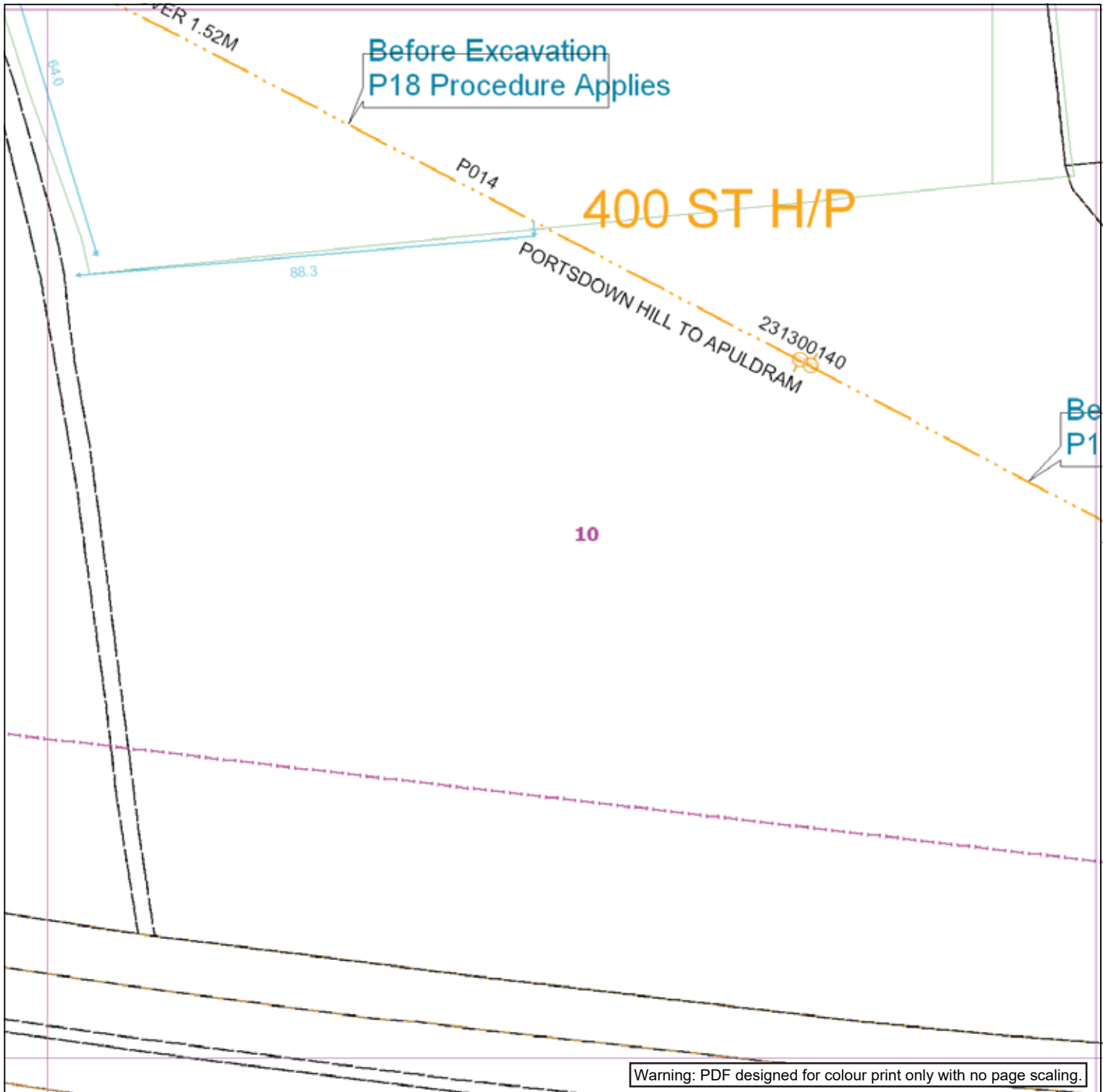
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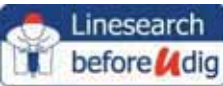


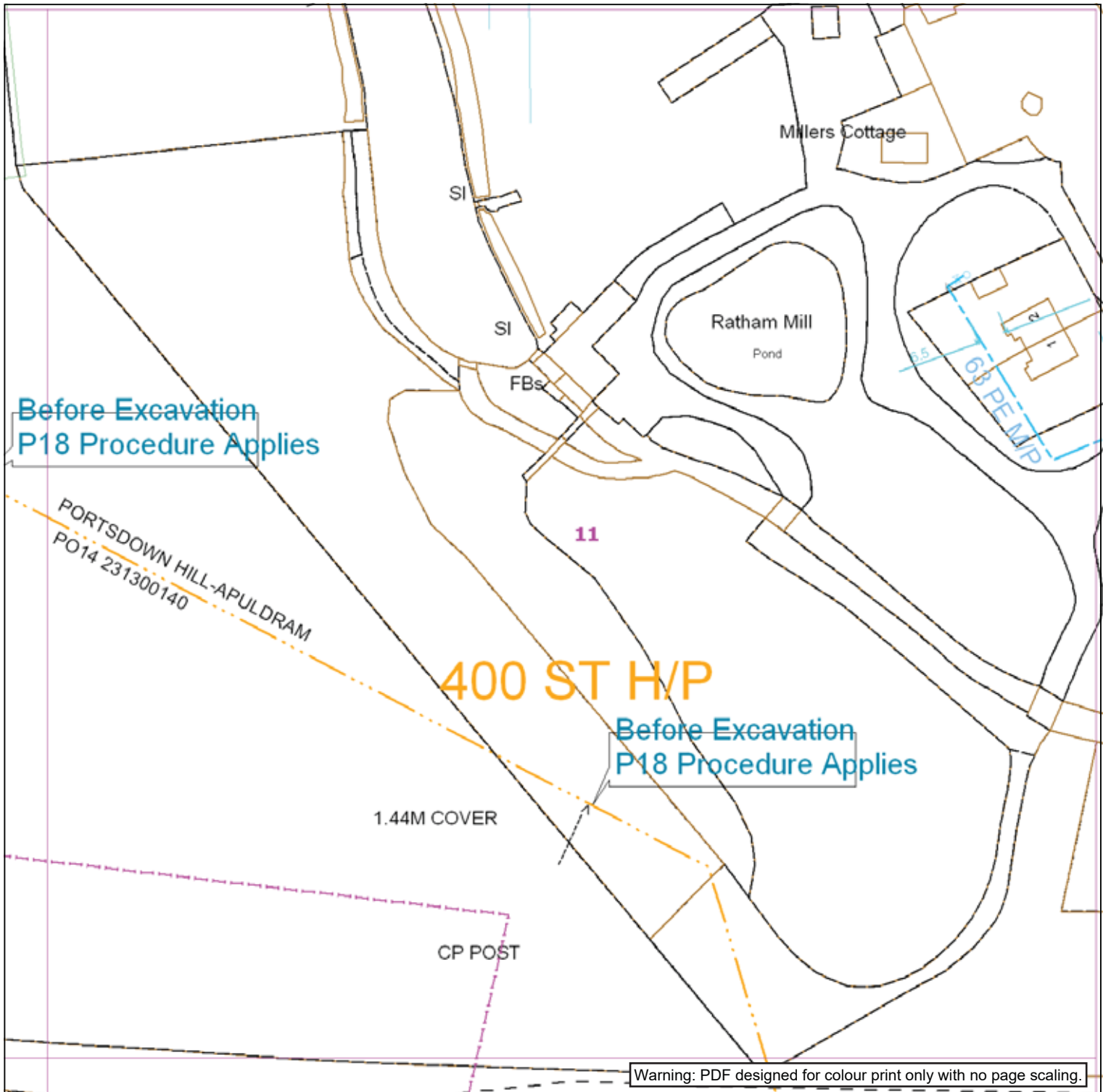
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	<p>Low Pressure Mains </p> <p>Medium Pressure Mains </p> <p>Intermediate Pressure Mains </p> <p>High Pressure Mains </p> <p>Some Examples Of Plant Items</p> <p>Valve  Syphon  Depth of Cover  Diameter Change  Material Change </p>	<p>Digsite: </p> <p>Line: </p> <p>Area: </p> <p>LAs </p> <p>GTs </p> <p>SSSIs </p>  <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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<p>Date Requested: 22/01/2019 Job Reference: 14654640 Site Location: 480431 105975 Requested by: Ms Christina Elliott Your Scheme/Reference: LM 72543/SuC - 1</p> <p>Exact Scales: 1:1000 Area or Circle dig site 1:1000 Line dig site</p>	<p style="text-align: center;"><b>Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA</b> <b>0800 111 999</b></p>	<p>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.</p>



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 <p><b>SGN</b> Your gas. Our network.</p>	<p>Low Pressure Mains <span style="color: red;">—</span> Digsite: <span style="color: red;">—</span></p> <p>Medium Pressure Mains <span style="color: blue;">- - -</span> Line: <span style="color: blue;">- - -</span> Area: <span style="border: 1px dashed blue; padding: 2px;"> </span></p> <p>Intermediate Pressure Mains <span style="color: green;">- · - · -</span> LAs <span style="border: 1px solid black; padding: 2px;"> </span></p> <p>High Pressure Mains <span style="color: orange;">- · - · -</span> GTs <span style="background-color: pink; border: 1px solid black; padding: 2px;"> </span> SSSIs <span style="background-color: green; border: 1px solid black; padding: 2px;"> </span></p> <p>Some Examples Of Plant Items</p> <p>Valve <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Syphon <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Depth of Cover <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Diameter Change <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Material Change <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span></p>	 <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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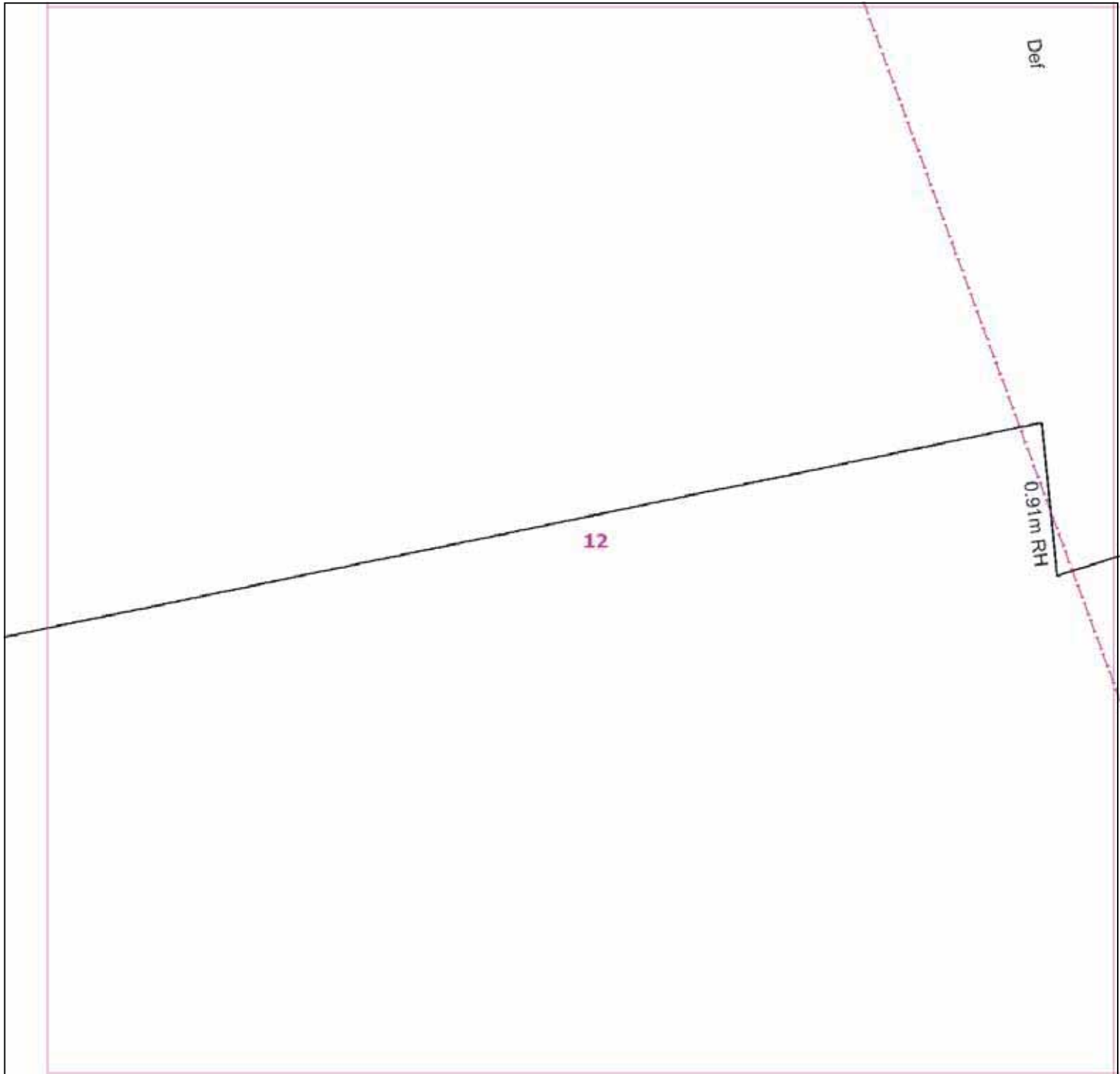
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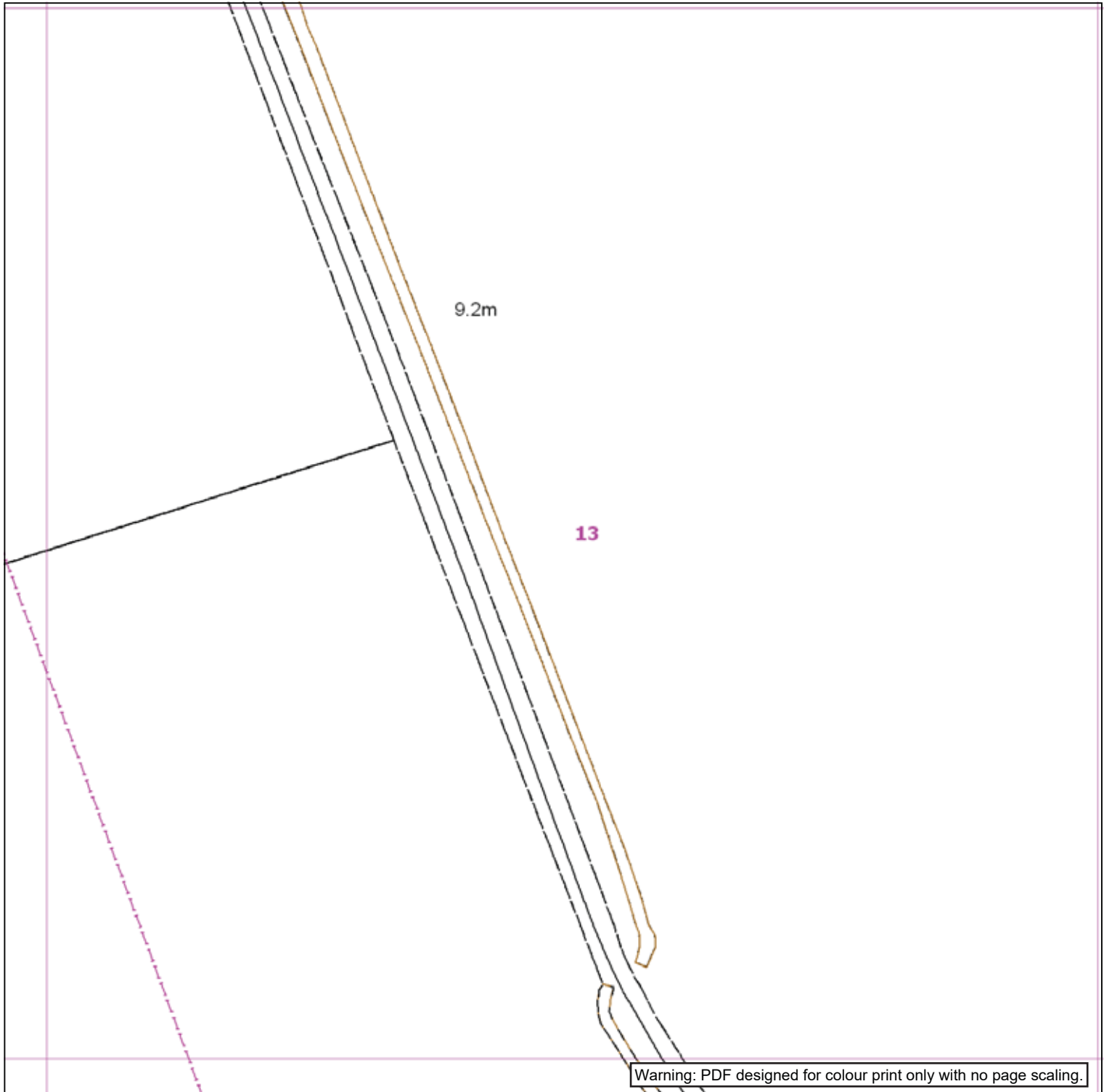
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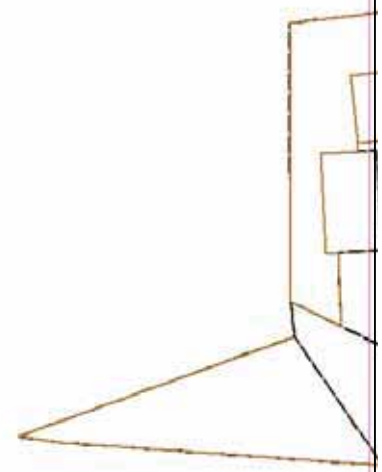
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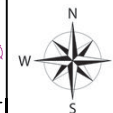
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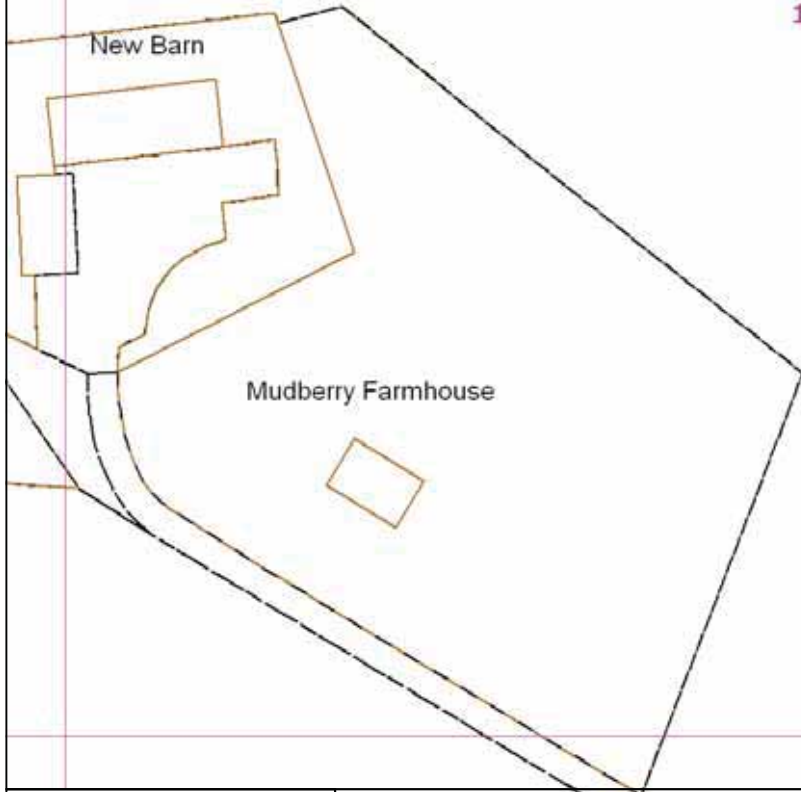
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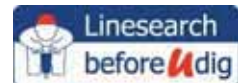
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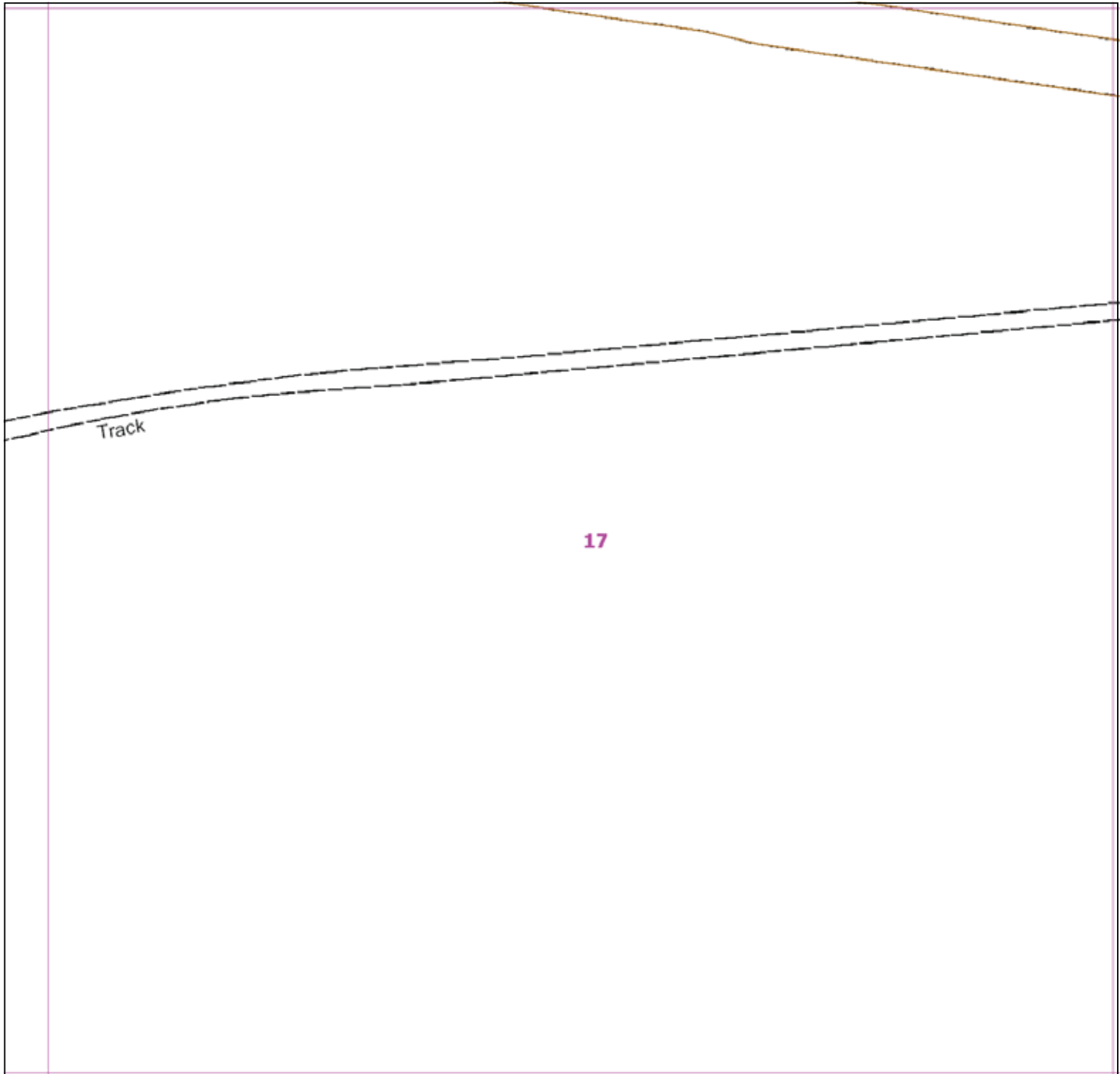
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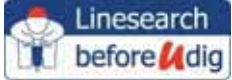
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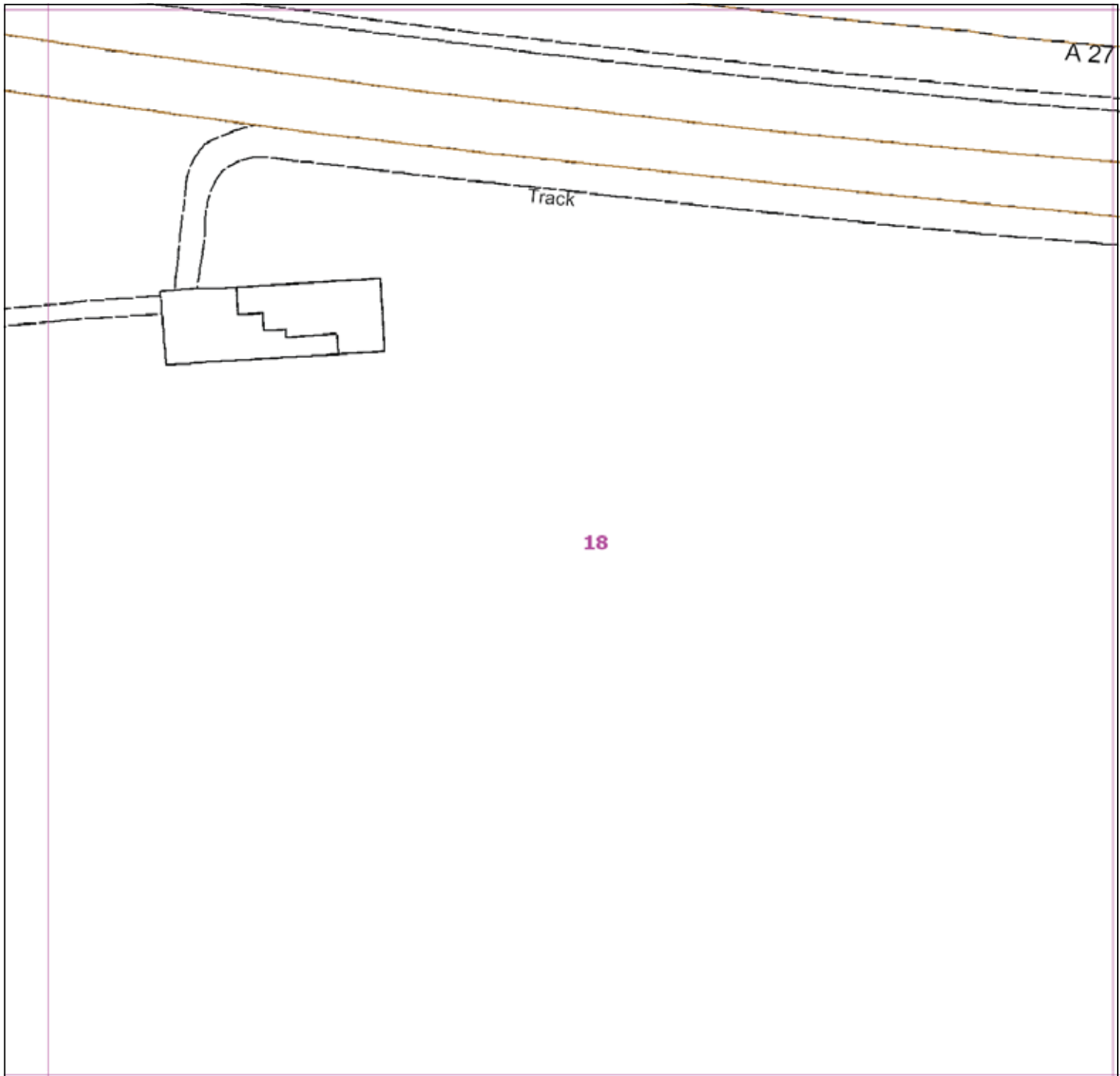
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17

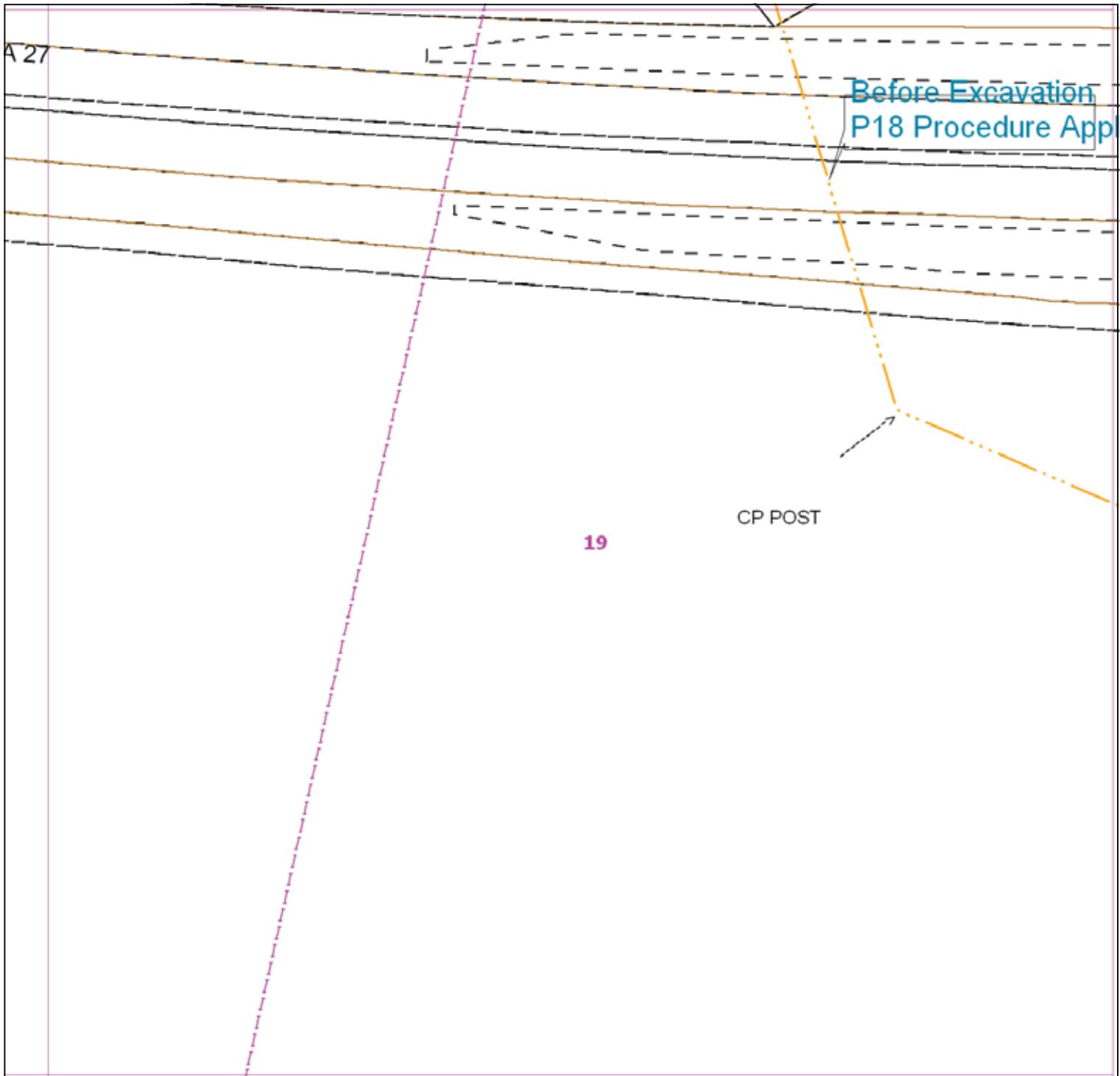
Warning: PDF designed for colour print only with no page scaling.

	<p>Low Pressure Mains </p> <p>Medium Pressure Mains </p> <p>Intermediate Pressure Mains </p> <p>High Pressure Mains </p> <p>Some Examples Of Plant Items</p> <p>Valve  Syphon  Depth of Cover  Diameter Change  Material Change </p>	<p>Digsite: </p> <p>Line: </p> <p>Area: </p> <p>LAs </p> <p>GTs </p> <p>SSSIs </p>  <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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	<p>Low Pressure Mains <span style="color: red;">—</span> Digsite: <span style="color: red;">—</span></p> <p>Medium Pressure Mains <span style="color: blue;">- - -</span> Line: <span style="color: red;">- - -</span> Area: <span style="border: 1px dashed red; padding: 2px;"> </span></p> <p>Intermediate Pressure Mains <span style="color: green;">- · - · -</span> LAs <span style="border: 1px solid black; padding: 2px;"> </span></p> <p>High Pressure Mains <span style="color: orange;">- · - · -</span> GTs <span style="background-color: pink; border: 1px solid black; padding: 2px;"> </span> SSSIs <span style="background-color: green; border: 1px solid black; padding: 2px;"> </span></p> <p>Some Examples Of Plant Items</p> <p>Valve <span style="font-size: 1em;">⋈</span> Syphon <span style="font-size: 1em;">○</span> Depth of Cover <span style="font-size: 1em;">∨</span> Diameter Change <span style="font-size: 1em;">±</span> Material Change <span style="font-size: 1em;"> </span></p>	<p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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Low Pressure Mains		Digsite:		Area:
Medium Pressure Mains		Line:		
Intermediate Pressure Mains		LAs		
High Pressure Mains		GTs		SSSIs
Some Examples Of Plant Items		Valve		Syphon
		Depth of Cover		Diameter Change
				Material Change



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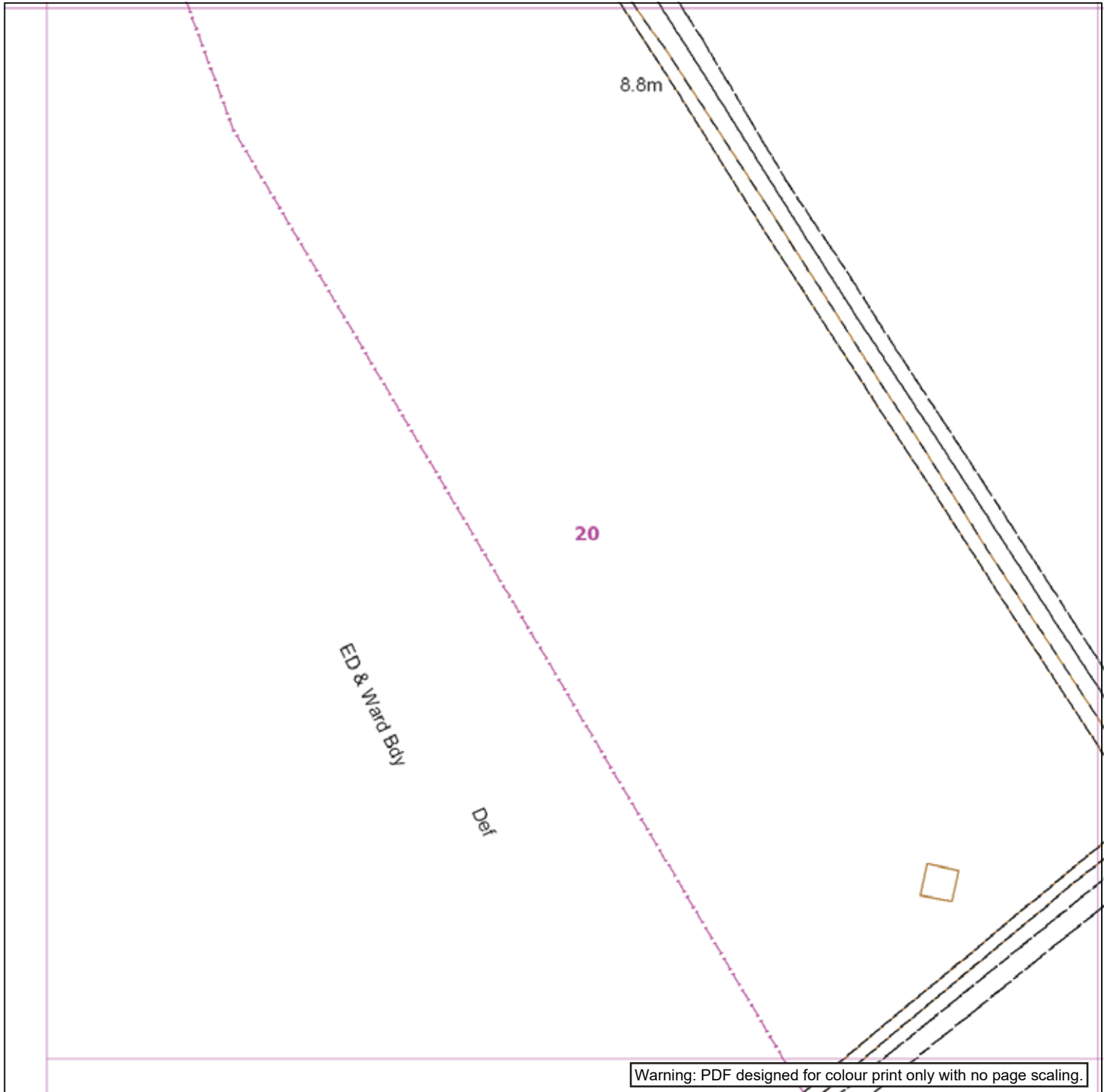
Date Requested: 22/01/2019  
Job Reference: 14654640  
Site Location: 480431 105975  
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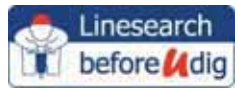
Exact Scales:  
1:1000 Area or Circle dig site  
1:1000 Line dig site

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Low Pressure Mains		Digsite:		Area:	
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Some Examples Of Plant Items					
Valve		Syphon		Depth of Cover	
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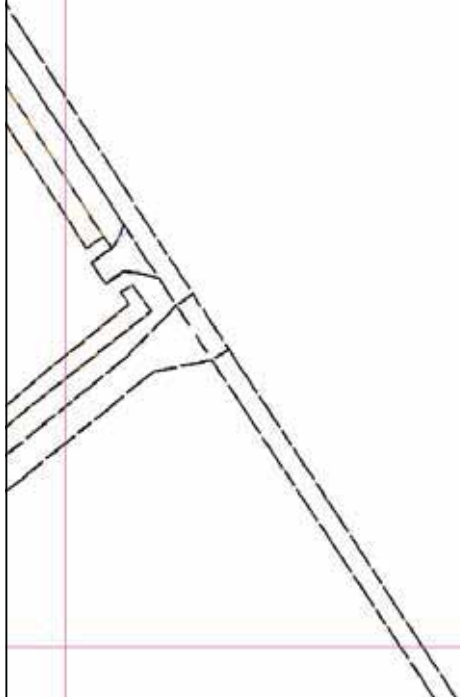
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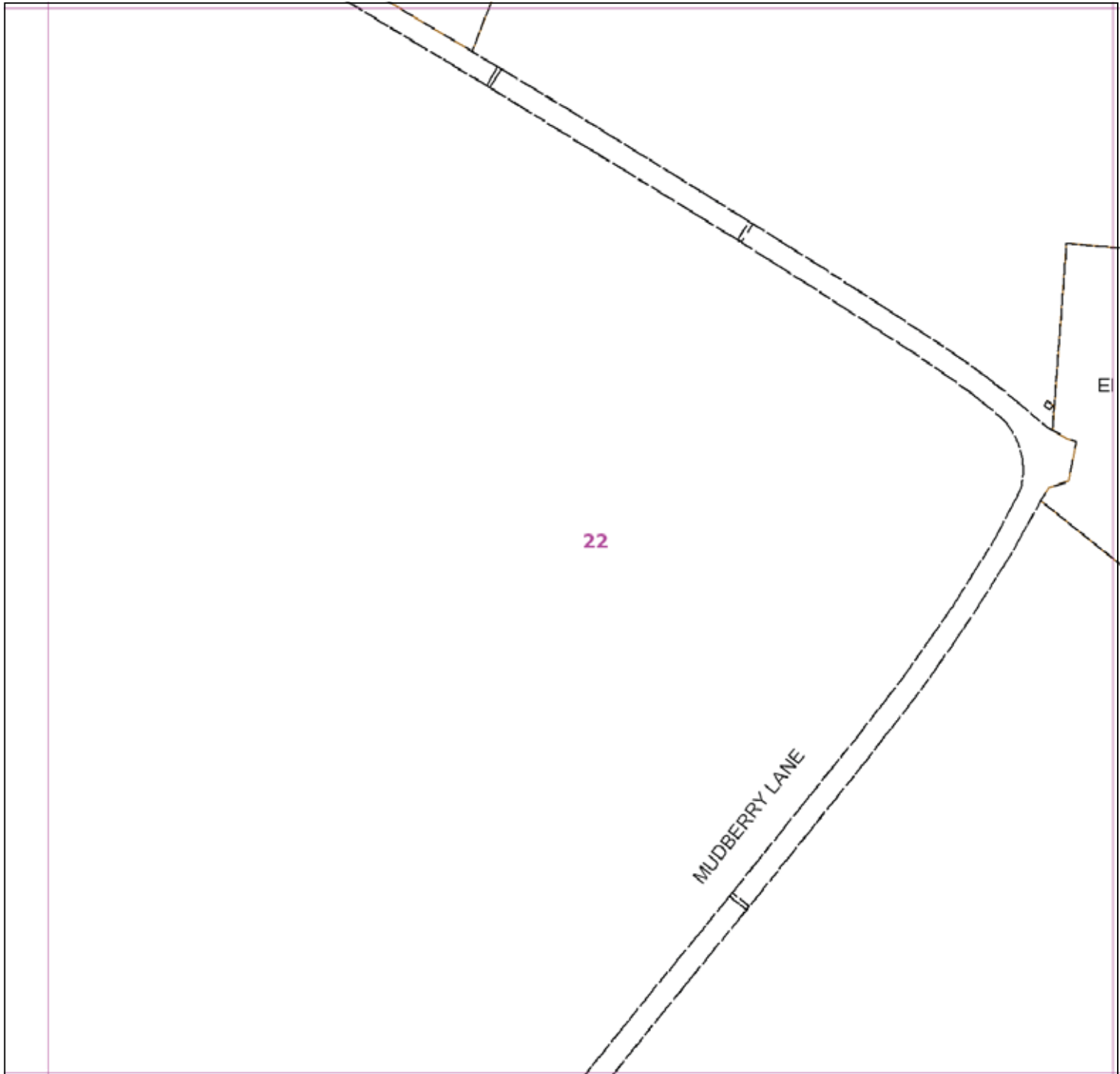
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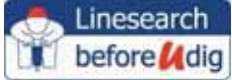


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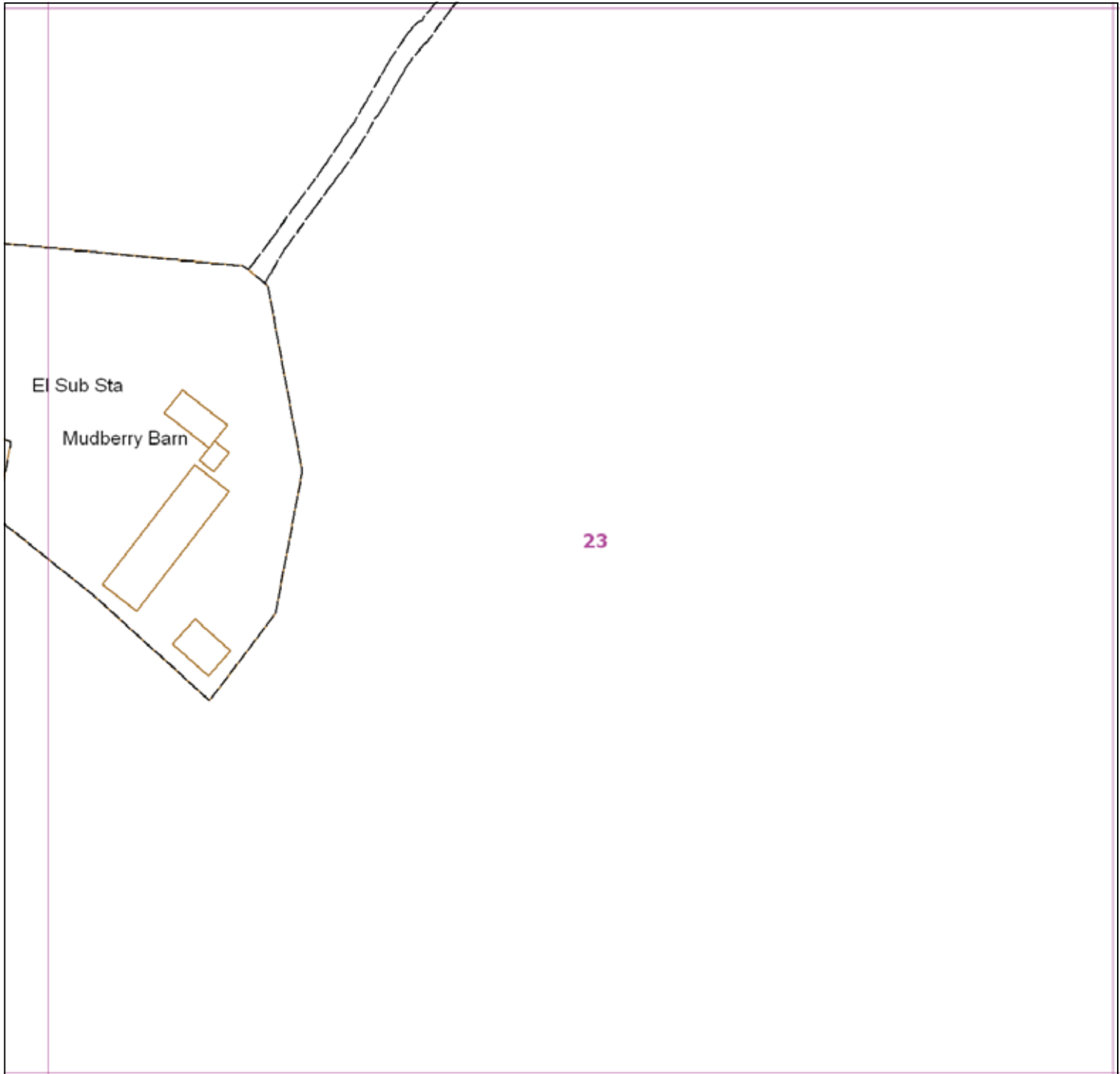
	<p>Low Pressure Mains </p> <p>Medium Pressure Mains </p> <p>Intermediate Pressure Mains </p> <p>High Pressure Mains </p> <p>Some Examples Of Plant Items</p> <p>Valve  Syphon  Depth of Cover  Diameter Change  Material Change </p>	<p>Digsite:  Area: </p> <p>LAs  SSSIs </p>  <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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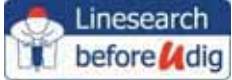
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 <p><b>SGN</b> Your gas. Our network.</p>	<p>Low Pressure Mains </p> <p>Medium Pressure Mains </p> <p>Intermediate Pressure Mains </p> <p>High Pressure Mains </p> <p>Some Examples Of Plant Items</p> <p>Valve  Syphon  Depth of Cover  Diameter Change  Material Change </p>	<p>Digsite:  Area: </p> <p>LAs  SSSIs </p>  <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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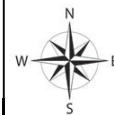
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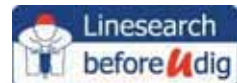
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Low Pressure Mains		Digsite:		Area:
Medium Pressure Mains		Line:		
Intermediate Pressure Mains		LAs		
High Pressure Mains		GTs		
Some Examples Of Plant Items		SSSIs		
Valve		Depth of Cover		Diameter Change
Syphon				Material Change



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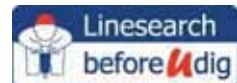
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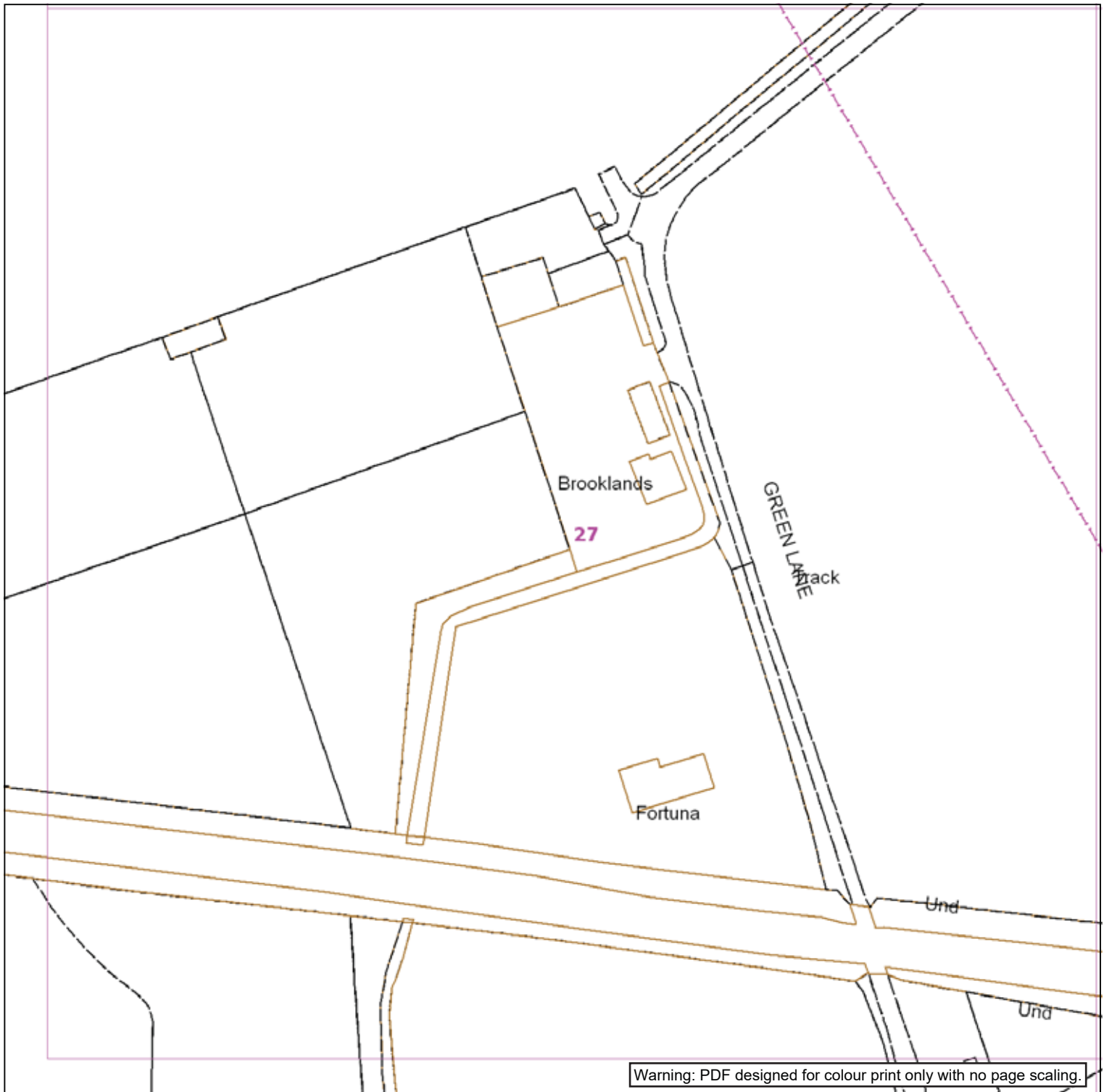
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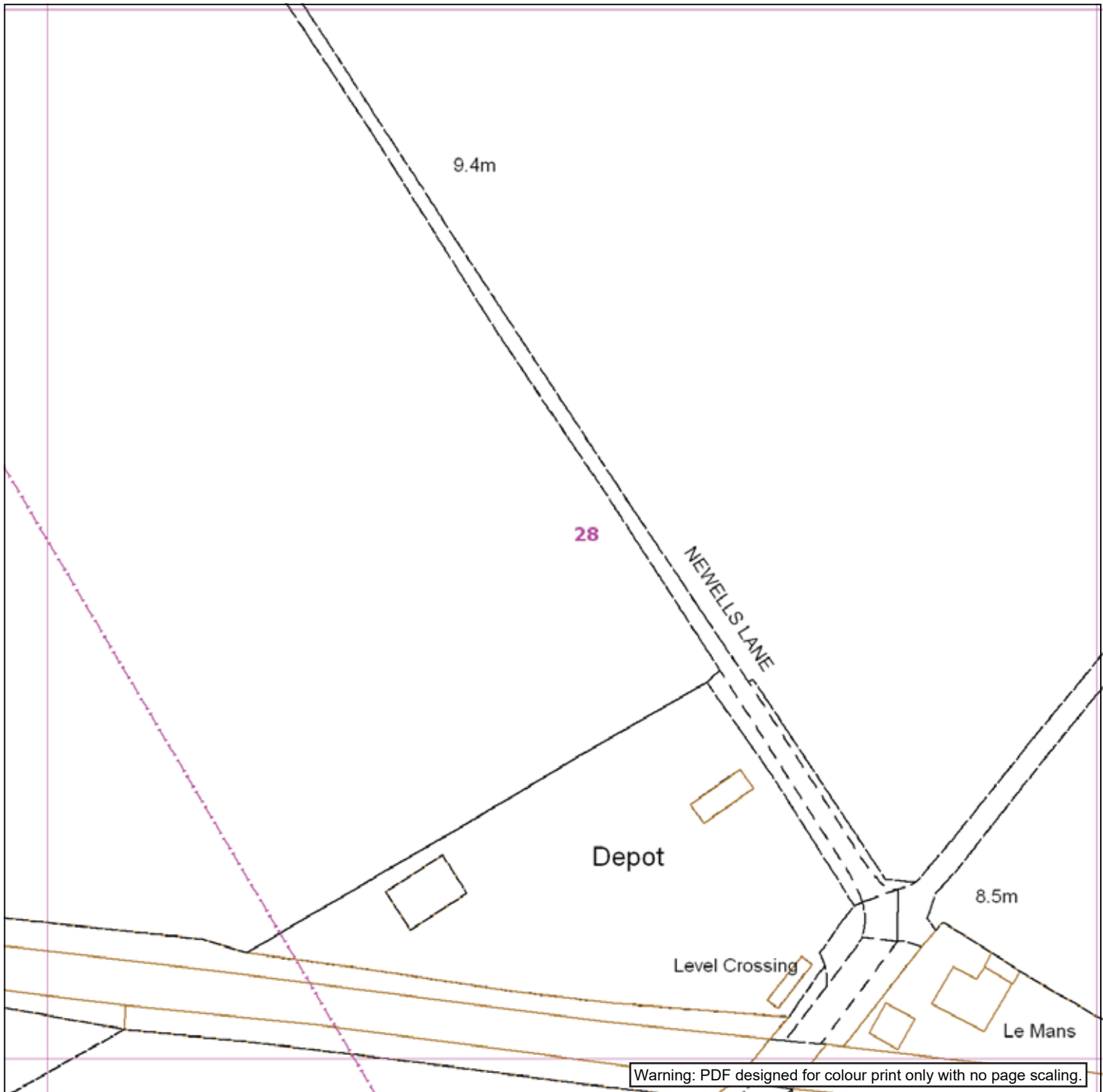
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Exact Scales:  
1:1000 Area or Circle dig site  
1:1000 Line dig site

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**Email:**  
plantlocation@sgn.co.uk


Date Requested: 22/01/2019  
Job Reference: 14654640  
Site Location: 480431 105975  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 1

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

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



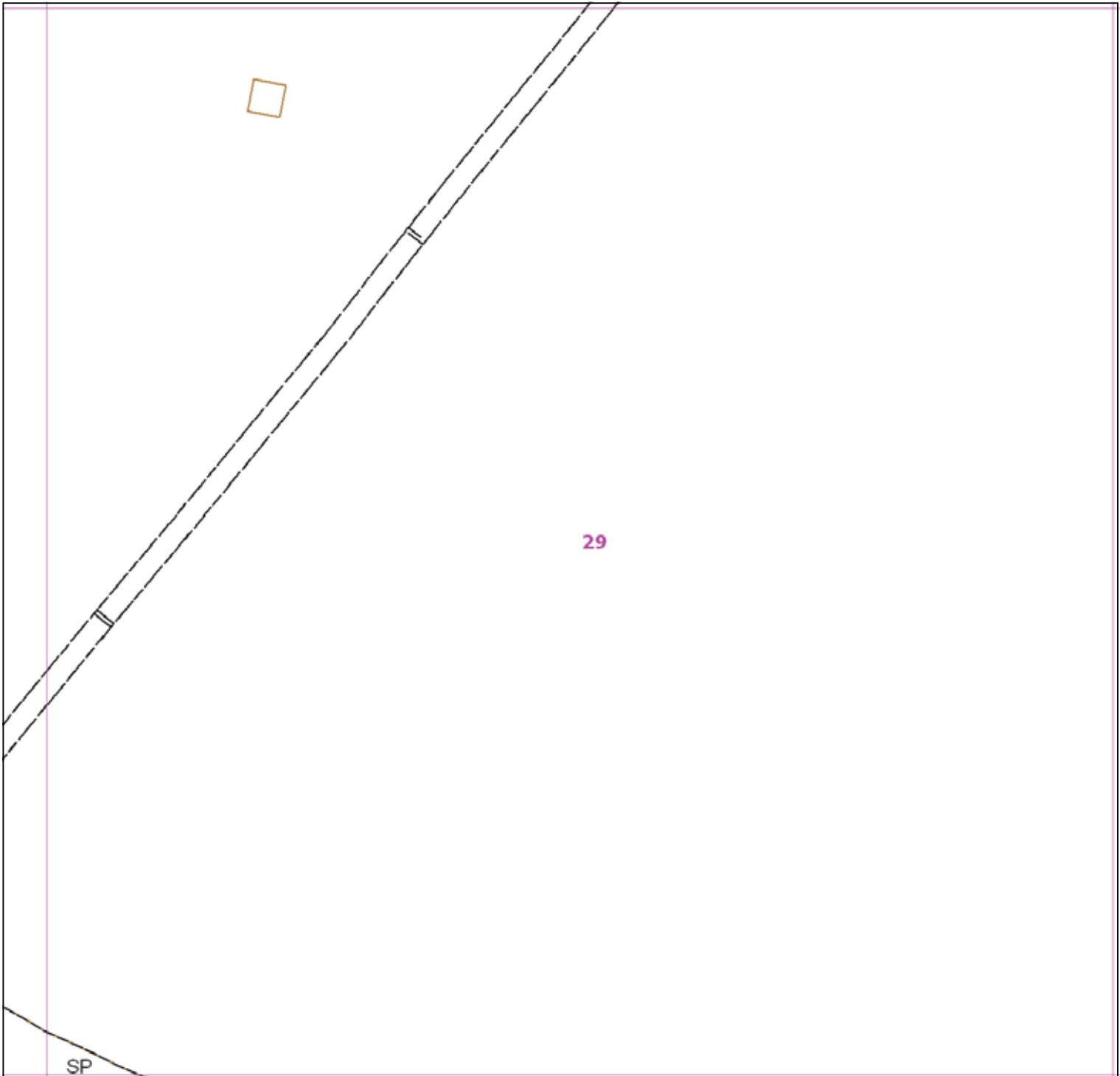
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













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29

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	<p>Low Pressure Mains </p> <p>Medium Pressure Mains </p> <p>Intermediate Pressure Mains </p> <p>High Pressure Mains </p> <p>Some Examples Of Plant Items</p> <p>Valve  Syphon  Depth of Cover  Diameter Change  Material Change </p>	<p>Digsite: </p> <p>Line: </p> <p>Area: </p> <p>LAs </p> <p>GTs </p> <p>SSSIs </p> <p>SSSIs </p>	 <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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<p>Date Requested: 22/01/2019 Job Reference: 14654640 Site Location: 480431 105975 Requested by: Ms Christina Elliott Your Scheme/Reference: LM 72543/SuC - 1</p>	<p>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.</p>		
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ETL



30

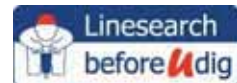
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Low Pressure Mains		Digsite:		Area:
Medium Pressure Mains		Line:		
Intermediate Pressure Mains		LAs		
High Pressure Mains		GTs		
Some Examples Of Plant Items		SSSIs		
Valve		Depth of Cover		Diameter Change
Syphon				Material Change



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Exact Scales:  
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	<p>Low Pressure Mains </p> <p>Medium Pressure Mains </p> <p>Intermediate Pressure Mains </p> <p>High Pressure Mains </p> <p>Some Examples Of Plant Items</p> <p>Valve  Syphon  Depth of Cover  Diameter Change  Material Change </p>	<p>Digsite: </p> <p>Line: </p> <p>Area: </p> <p>LAs </p> <p>GTs </p> <p>SSSIs </p>  <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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32

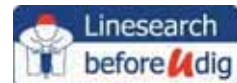
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Low Pressure Mains		Digsite:		Area:
Medium Pressure Mains		Line:		
Intermediate Pressure Mains		LAs		
High Pressure Mains		GTs		SSSIs
Some Examples Of Plant Items				
Valve		Syphon		Depth of Cover
			Diameter Change	Material Change



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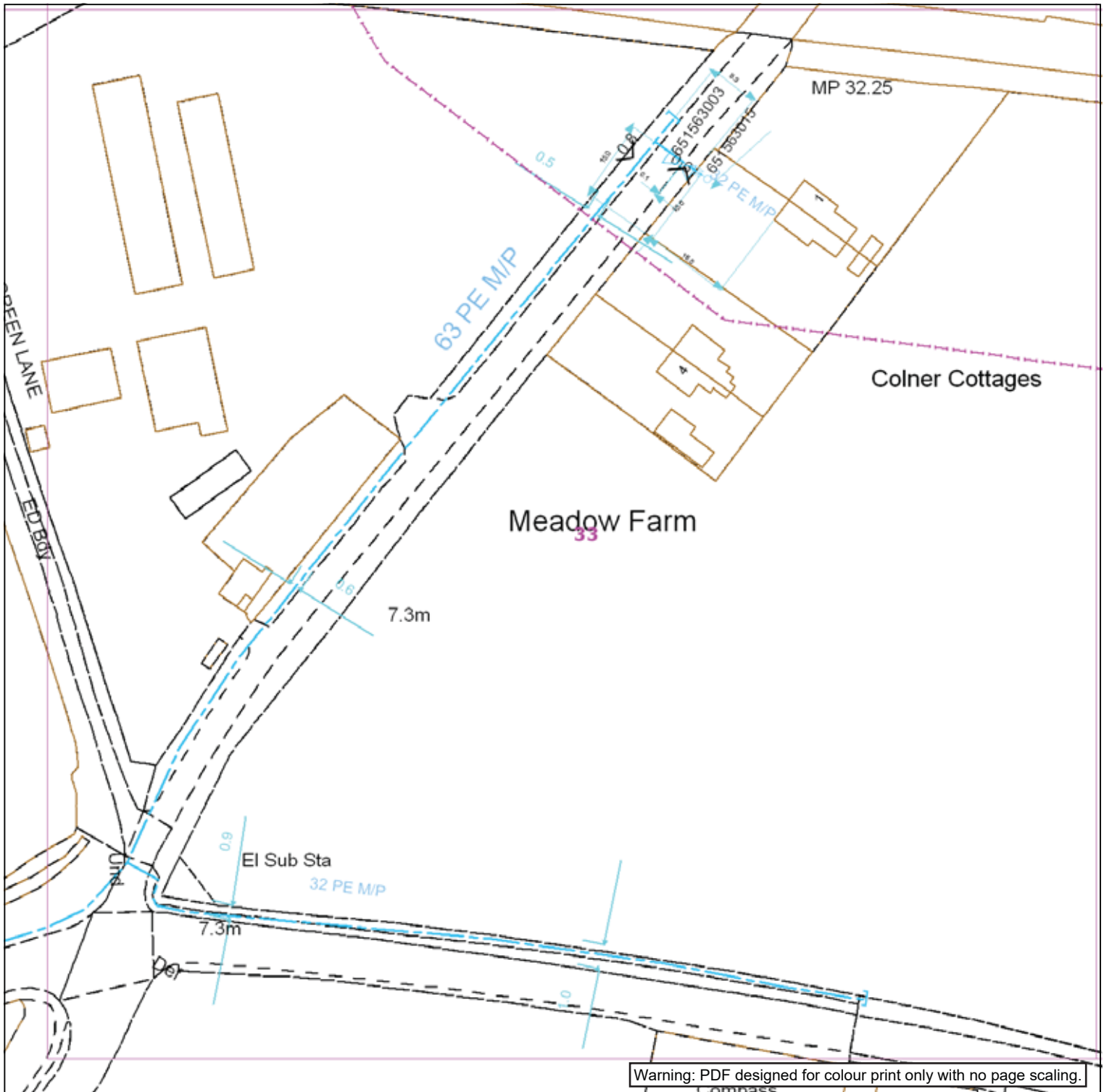
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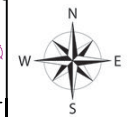
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Some Examples Of Plant Items	Valve	Syphon	Depth of Cover	Diameter Change
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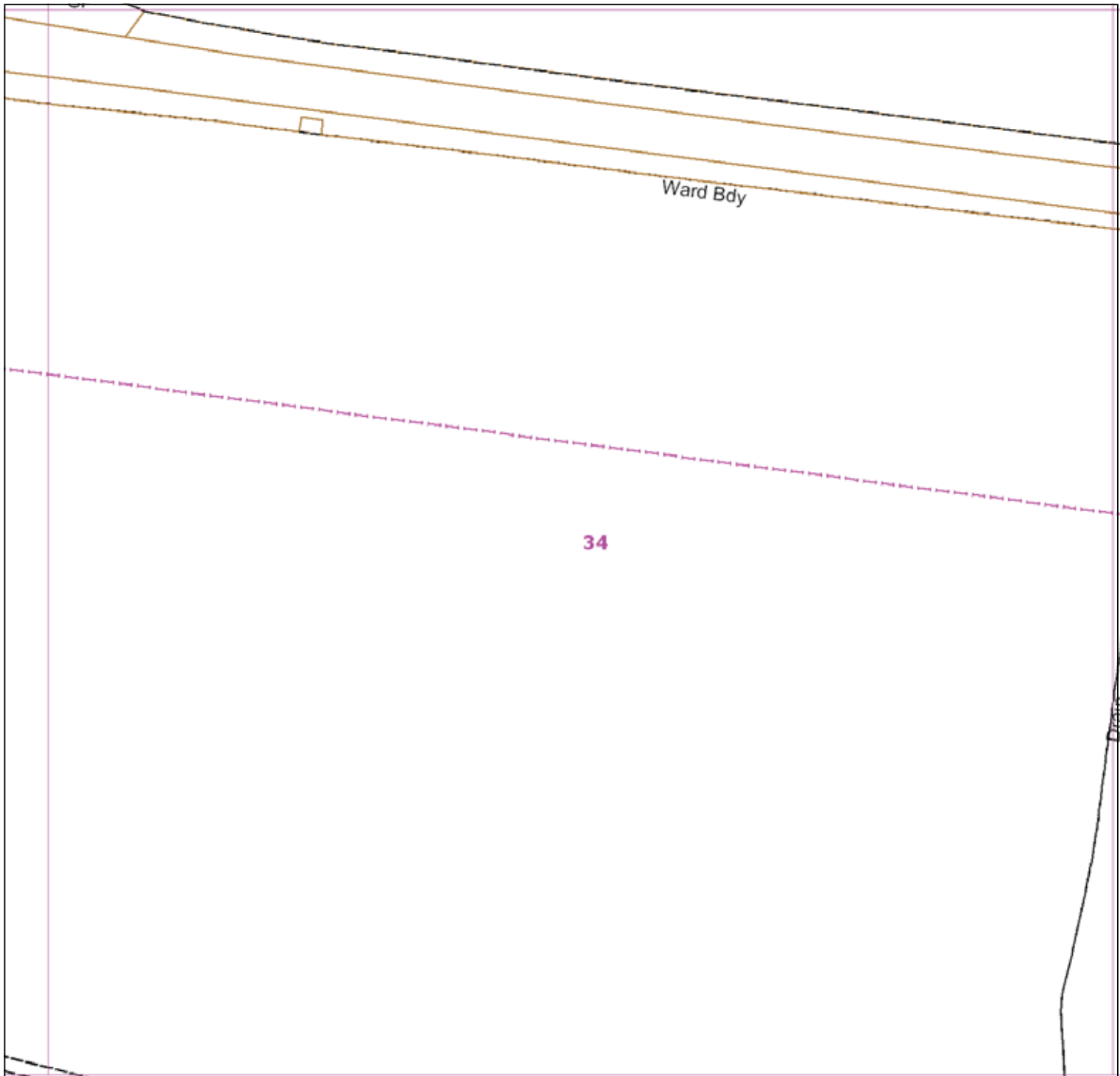
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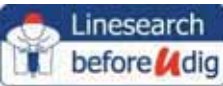
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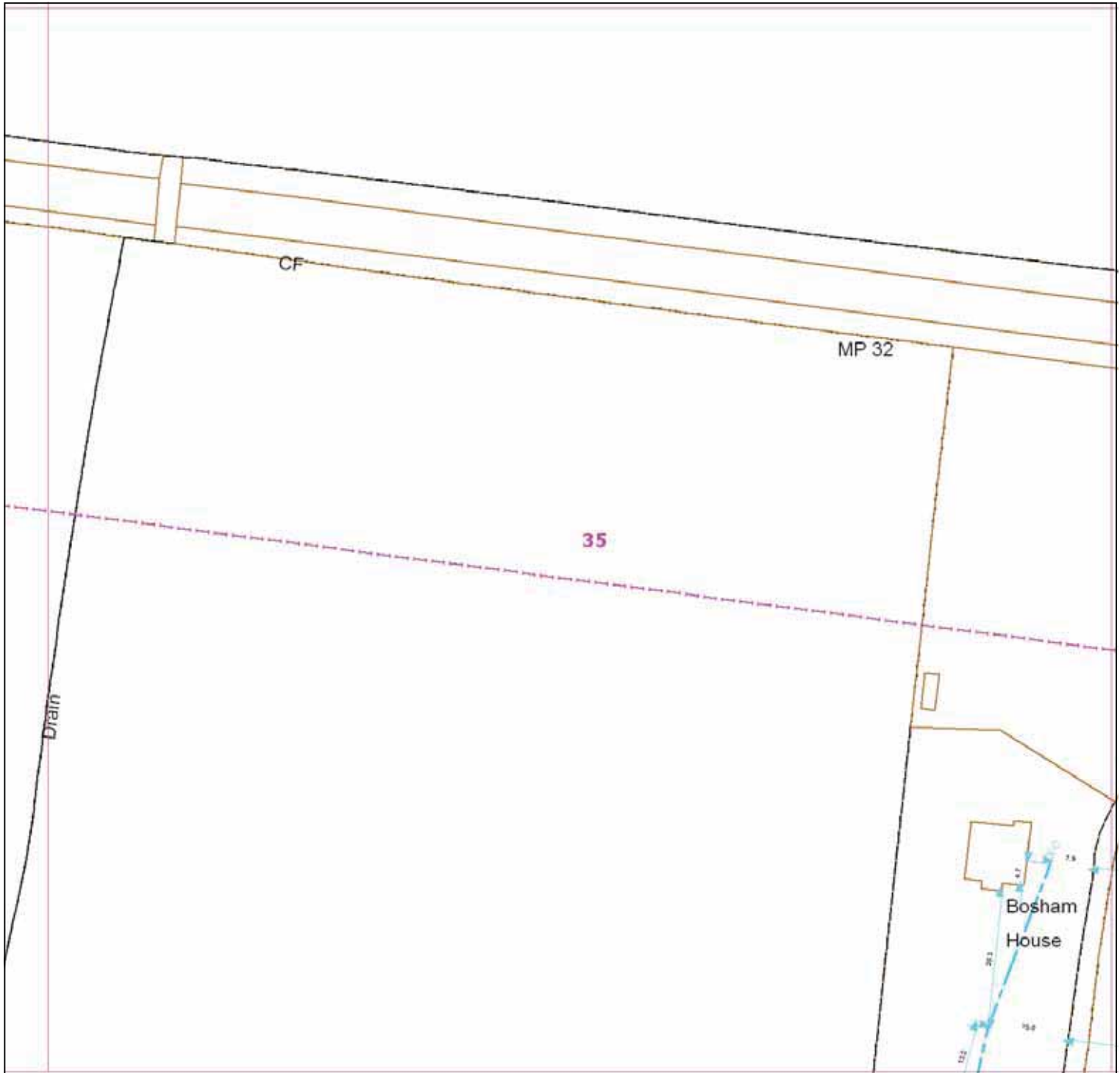
Date Requested: 22/01/2019  
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Exact Scales:  
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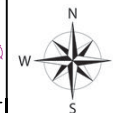
	<p>Low Pressure Mains <span style="color: red;">—</span> Digsite: <span style="color: purple;">- - - -</span></p> <p>Medium Pressure Mains <span style="color: blue;">- - - -</span> Line: <span style="color: purple;">- - - -</span> Area: <span style="color: purple;">- - - -</span></p> <p>Intermediate Pressure Mains <span style="color: green;">- - - -</span> LAs <span style="color: green;">—</span></p> <p>High Pressure Mains <span style="color: orange;">- - - -</span> GTs <span style="background-color: #f08080; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> SSSIs <span style="background-color: #90ee90; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span></p> <p>Some Examples Of Plant Items</p> <p>Valve <span style="font-size: 1em;">⋈</span> Syphon <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Depth of Cover <span style="font-size: 1em;">∨</span> Diameter Change <span style="font-size: 1em;">±</span> Material Change <span style="font-size: 1em;"> </span></p>	 <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p>
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Medium Pressure Mains		Line:		
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Some Examples Of Plant Items		Valve		Syphon
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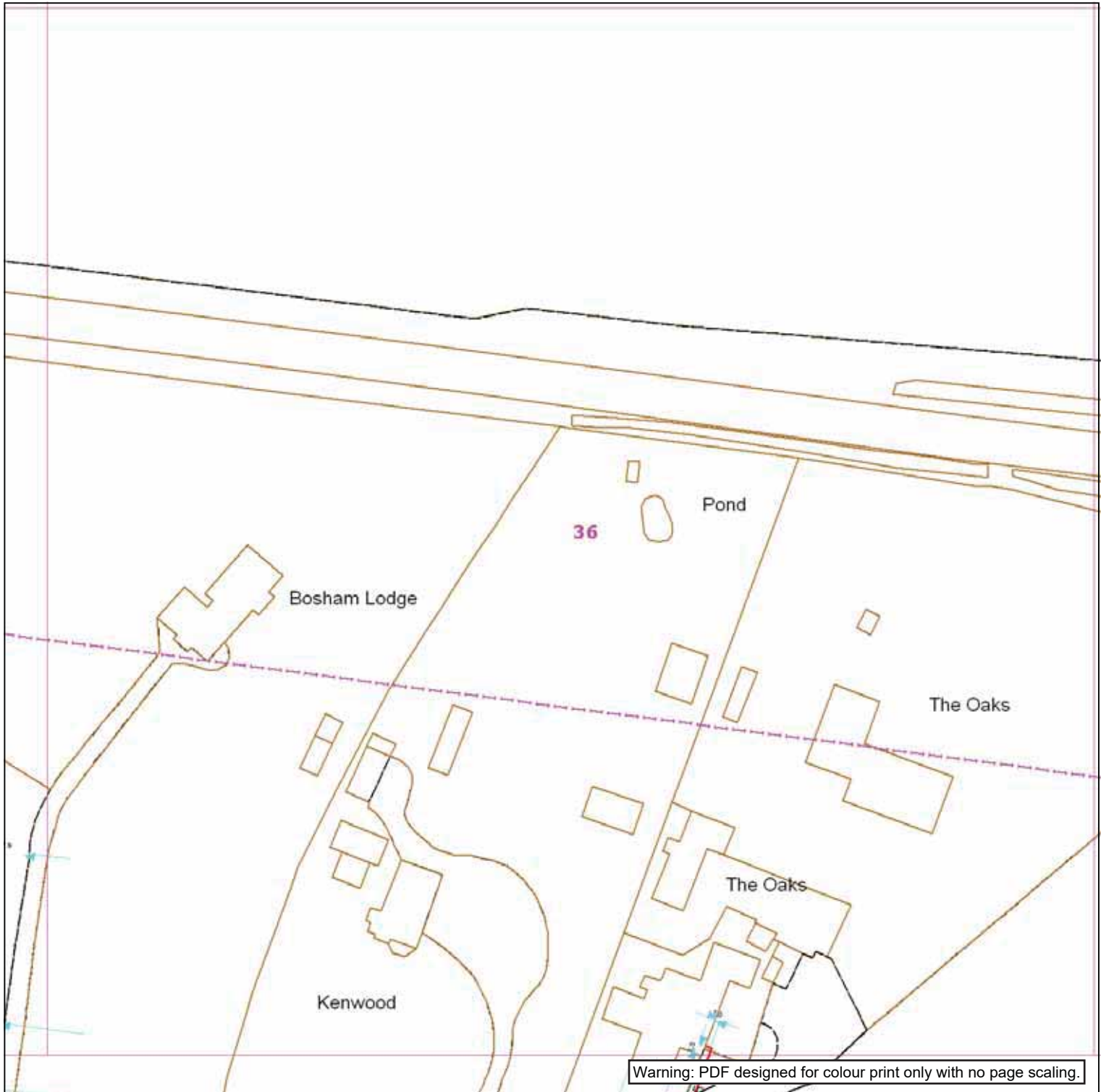
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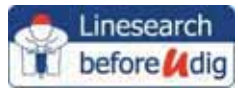
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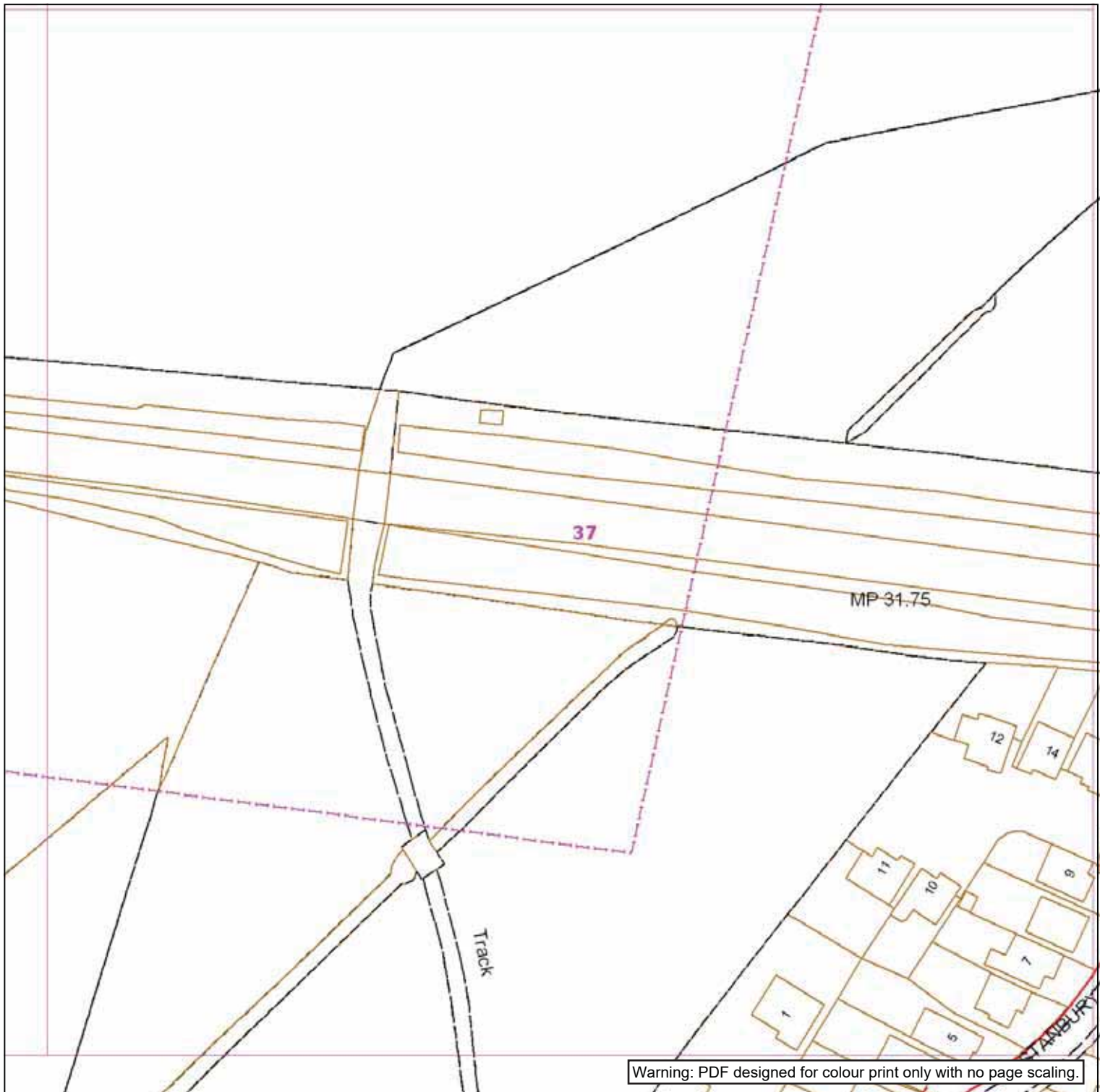
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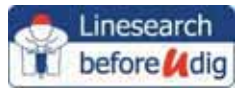
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**0800 111 999**

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Date Requested: 22/01/2019  
Job Reference: 14654640  
Site Location: 480431 105975  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 1

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



Our Ref: 14654643      Your Ref: LM 72543/SuC - 2

Tuesday, 22 January 2019

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

Dear Christina Elliott

Thank you for your enquiry dated Tuesday, 22 January 2019

Please find an extract from our mains records for your proposed work area, any SGN assets are described in the map legend.

**There are high pressure pipelines in the vicinity of your proposed works. We have sent a copy of your correspondence to our local engineer who will be in contact within the next ten working days. For your safety, it is essential that no work or crossing of this high pressure pipeline is carried out until a detailed consultation has taken place.**

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 ones 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.**

Please note there may be additional gas pipes (low pressure, medium pressure, etc.) shown on the mains record. There should be no mechanical excavations taking place above or near the gas main. You should confirm the exact position of the main 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. 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.





**For Planning applications** – There are high pressure pipelines in the vicinity of your proposed work area. SGN formally object to this planning application until such time as a detail consultation has taken place.

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

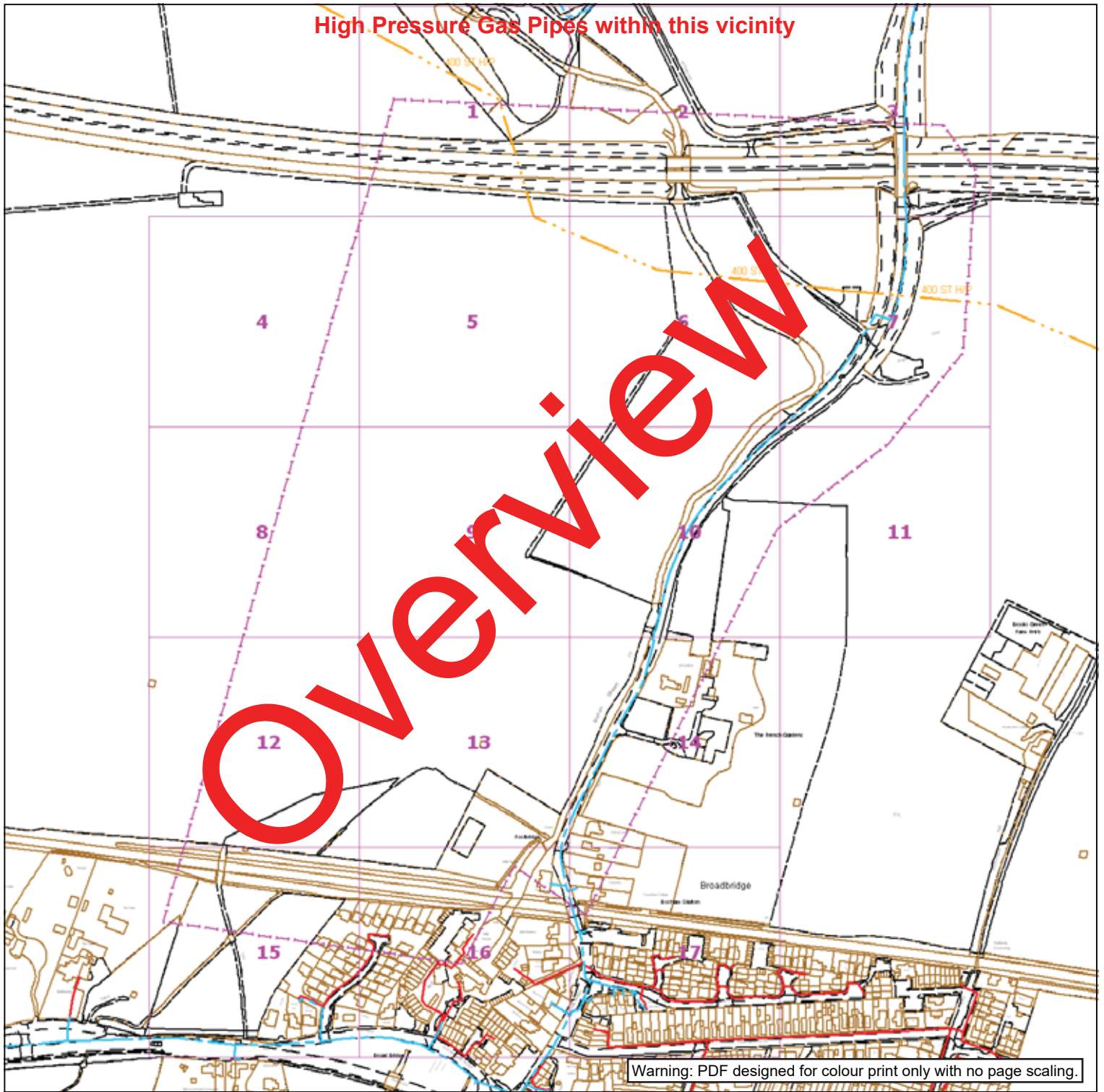
Yours sincerely,

The Safety Admin Team

**For more information, visit our Dig Safely pages on [sgn.co.uk](http://sgn.co.uk)**

Tel: 0800 912 1722

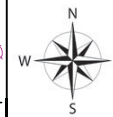
**High Pressure Gas Pipes within this vicinity**



**Contact Us**

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

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



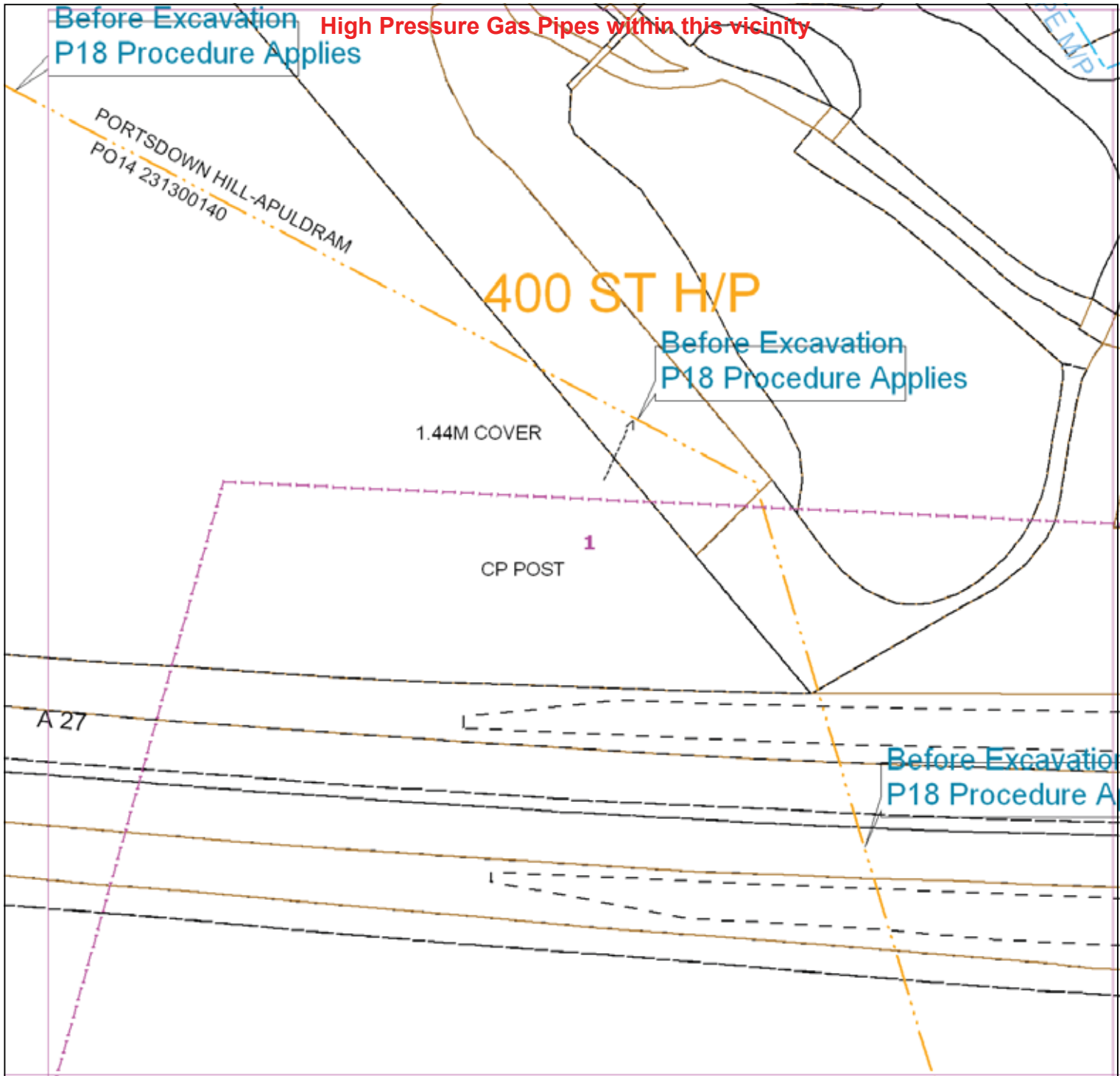
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**Contact Us**

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


Date Requested: 22/01/2019  
Job Reference: 14654643  
Site Location: 481208 105804  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 2

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

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



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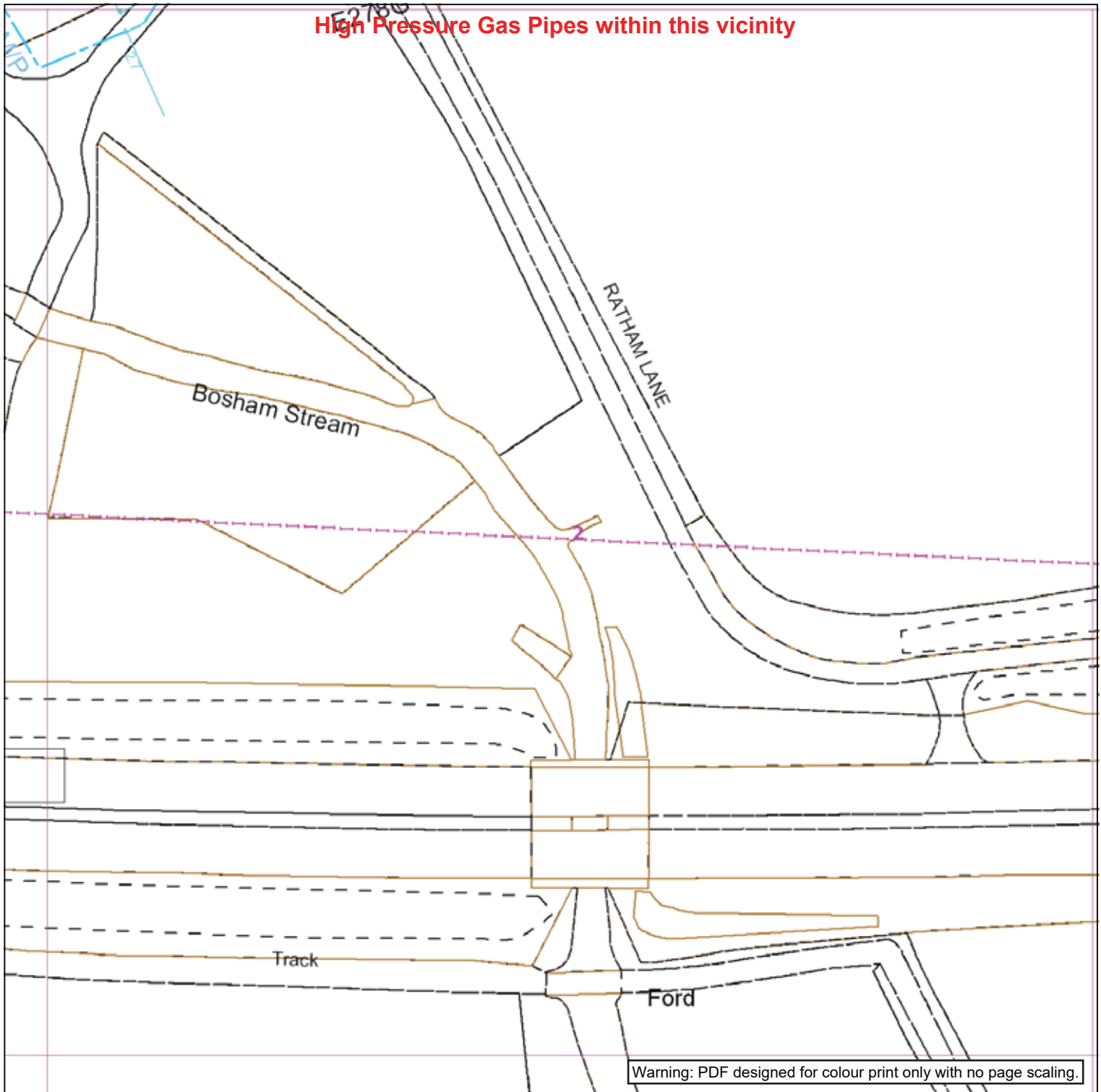


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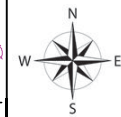
# High Pressure Gas Pipes within this vicinity



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



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



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**Email:**  
plantlocation@sgn.co.uk

Date Requested: 22/01/2019  
Job Reference: 14654643  
Site Location: 481208 105804  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 2

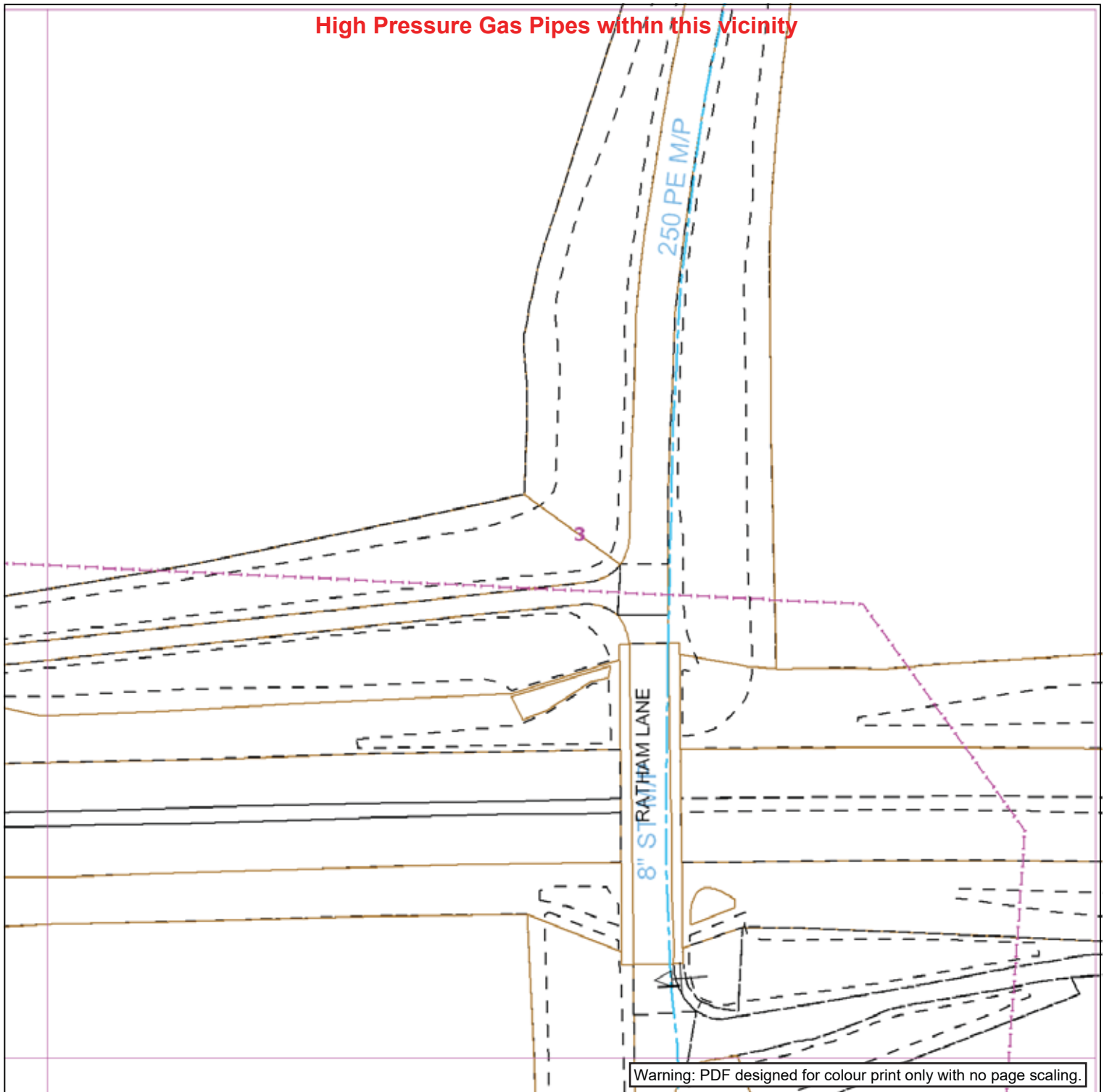
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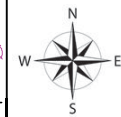
# High Pressure Gas Pipes within this vicinity



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



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Date Requested: 22/01/2019  
Job Reference: 14654643  
Site Location: 481208 105804  
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Ms Christina Elliott  
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LM 72543/SuC - 2

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## High Pressure Gas Pipes within this vicinity

4

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



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plantlocation@sgn.co.uk

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Date Requested: 22/01/2019  
Job Reference: 14654643  
Site Location: 481208 105804  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 2

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

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# High Pressure Gas Pipes within this vicinity

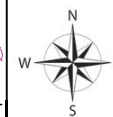
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5

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



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Your Scheme/Reference:  
LM 72543/SuC - 2

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**High Pressure Gas Pipes within this vicinity**

**Before Excavation  
P18 Procedure Applies**

PORTSDOWN HILL-APULDRAM  
PO14 231300140

**400 ST H**

**Before Excavation  
P18 Procedure**

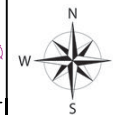
SEE SK

6

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



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



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plantlocation@sgn.co.uk

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Job Reference: 14654643  
Site Location: 481208 105804  
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Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 2

Exact Scales:  
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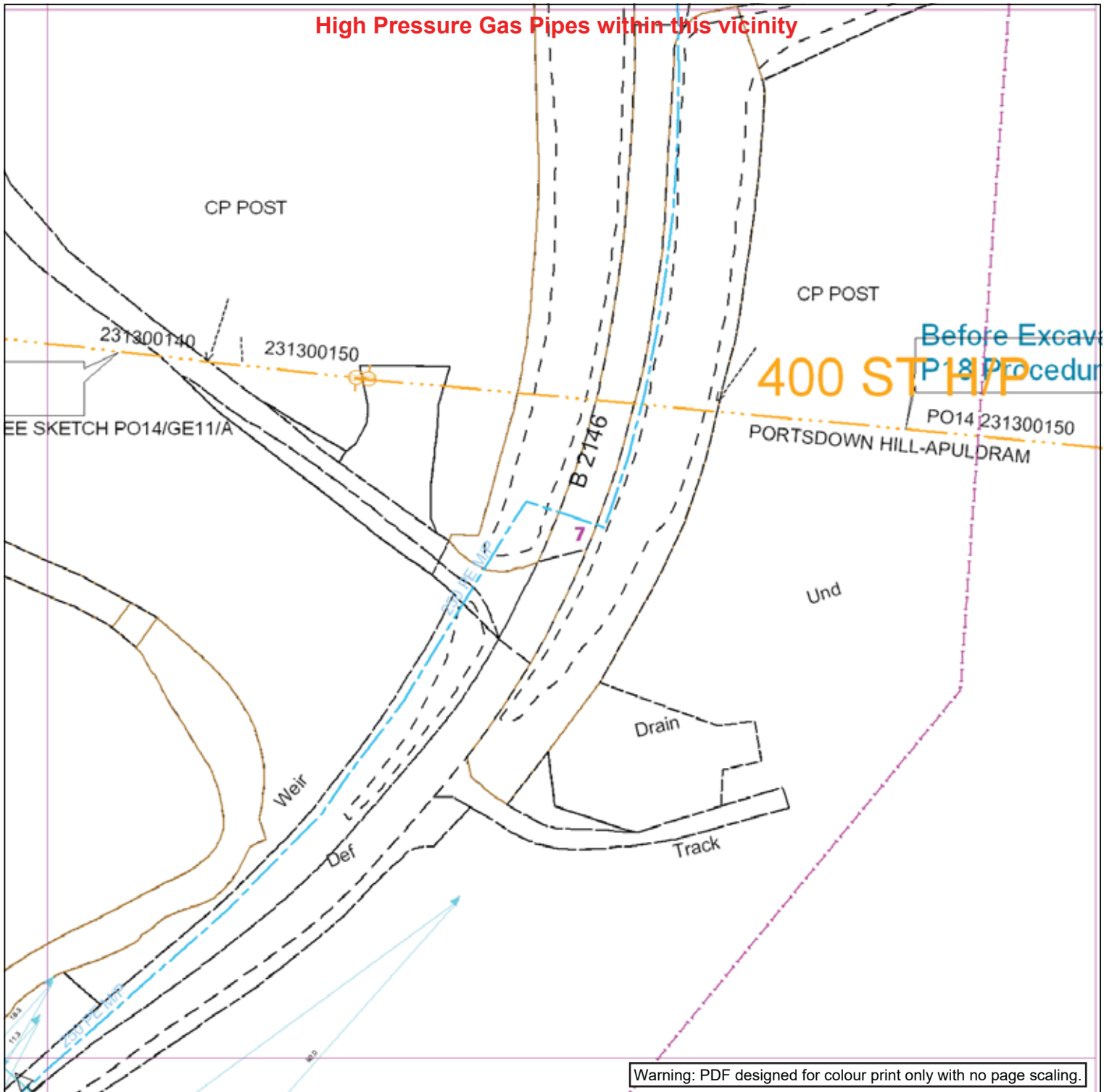
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# High Pressure Gas Pipes within this vicinity






**Contact Us**

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

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

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Date Requested: 22/01/2019  
Job Reference: 14654643  
Site Location: 481208 105804  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 2

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# High Pressure Gas Pipes within this vicinity

8

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



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## High Pressure Gas Pipes within this vicinity

9

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



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Ms Christina Elliott  
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LM 72543/SuC - 2

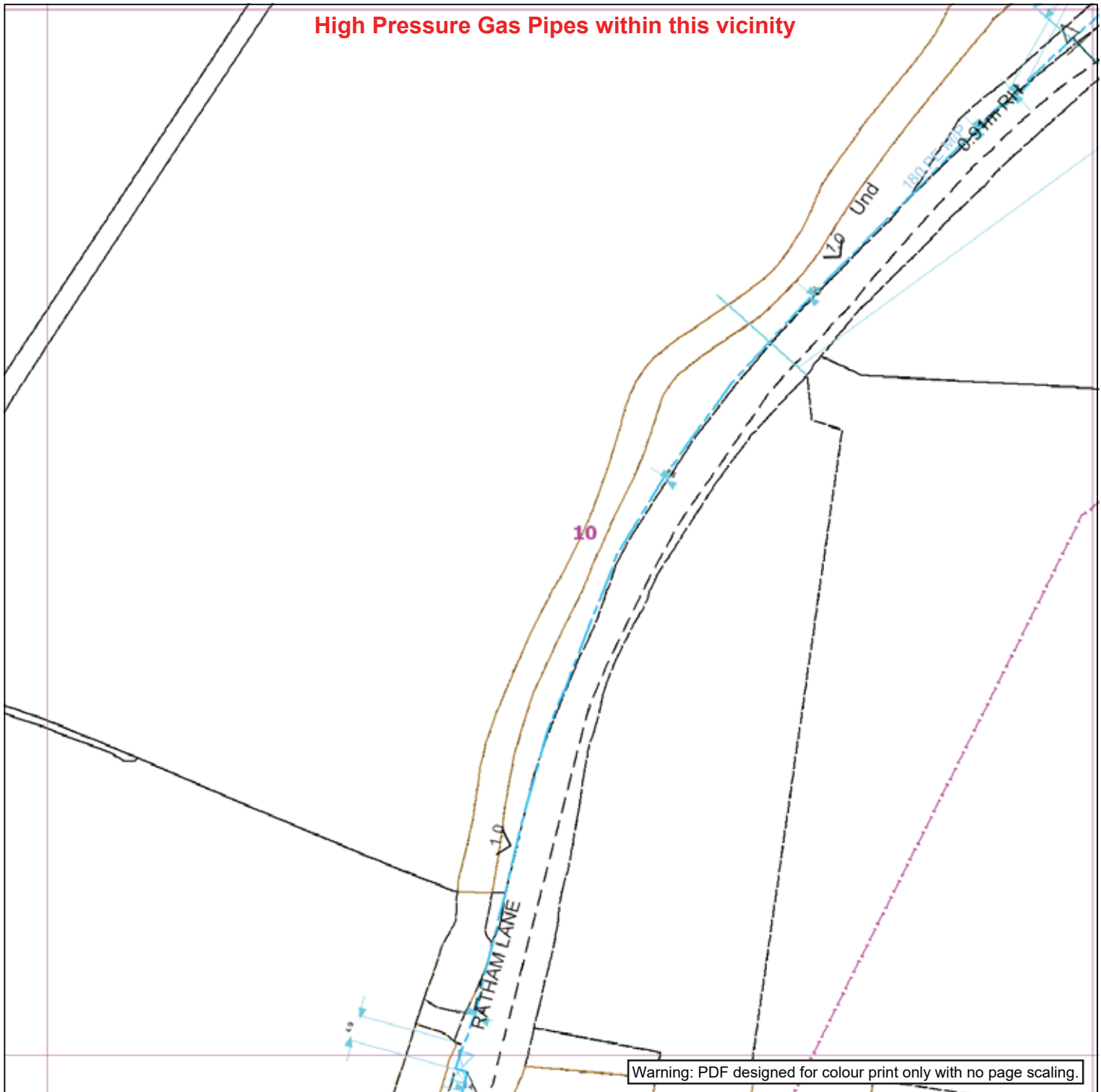
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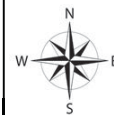
**Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA**  
**0800 111 999**

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# High Pressure Gas Pipes within this vicinity



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



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### Contact Us

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

Date Requested: 22/01/2019  
Job Reference: 14654643  
Site Location: 481208 105804  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 2

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**High Pressure Gas Pipes within this vicinity**

11

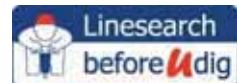
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Low Pressure Mains		Digsite:	
Medium Pressure Mains		Line:	
Intermediate Pressure Mains		Area:	
High Pressure Mains		LAs	
Some Examples Of Plant Items		GTs	
Valve		SSSIs	
Syphon		Depth of Cover	
		Diameter Change	
		Material Change	



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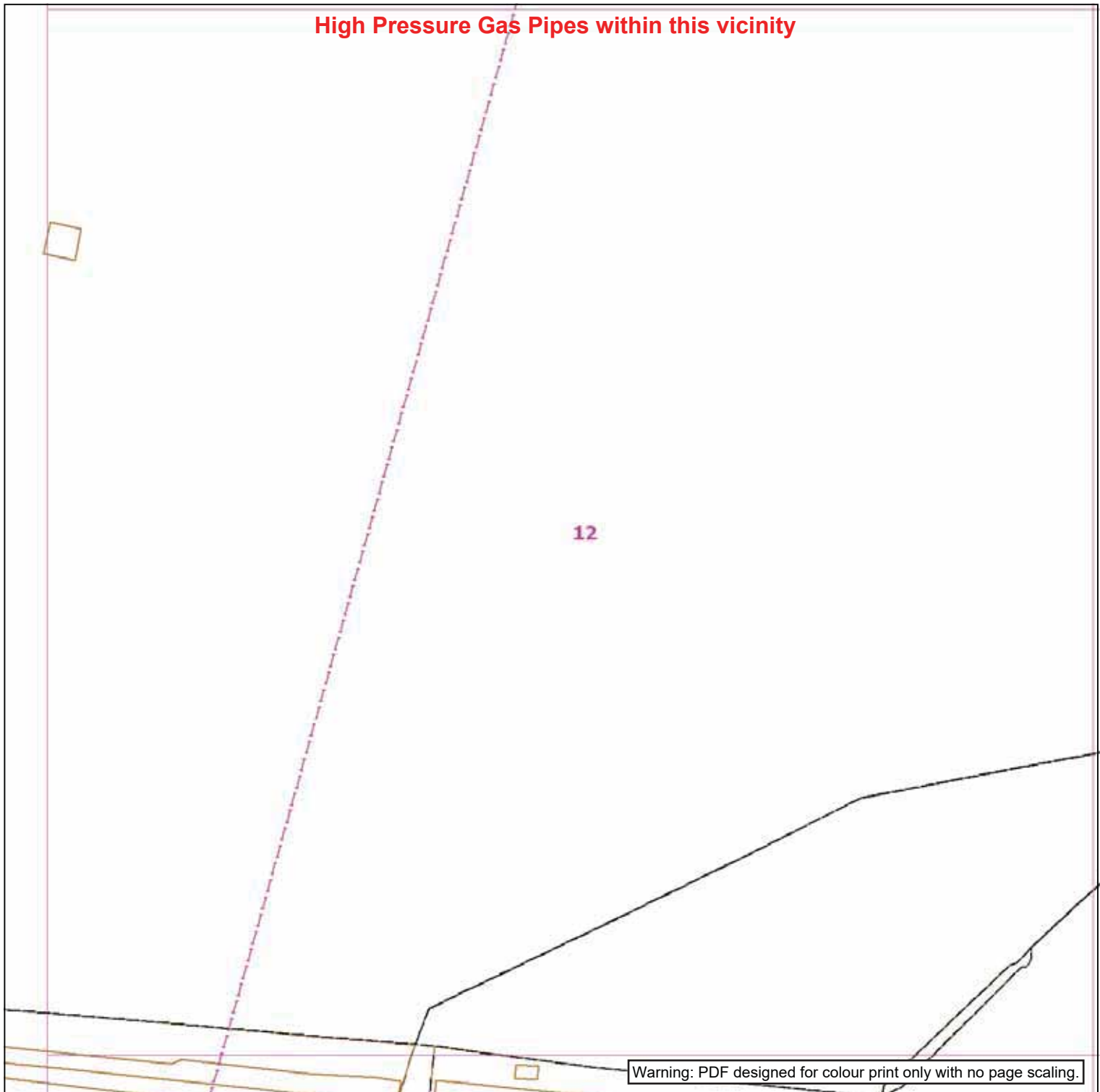
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# High Pressure Gas Pipes within this vicinity



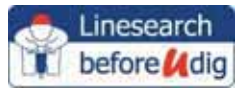
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Low Pressure Mains		Digsite:		Area:
Medium Pressure Mains		Line:		
Intermediate Pressure Mains		LAs		
High Pressure Mains		GTs		SSSIs
Some Examples Of Plant Items				
Valve		Syphon		Depth of Cover
			Diameter Change	Material Change



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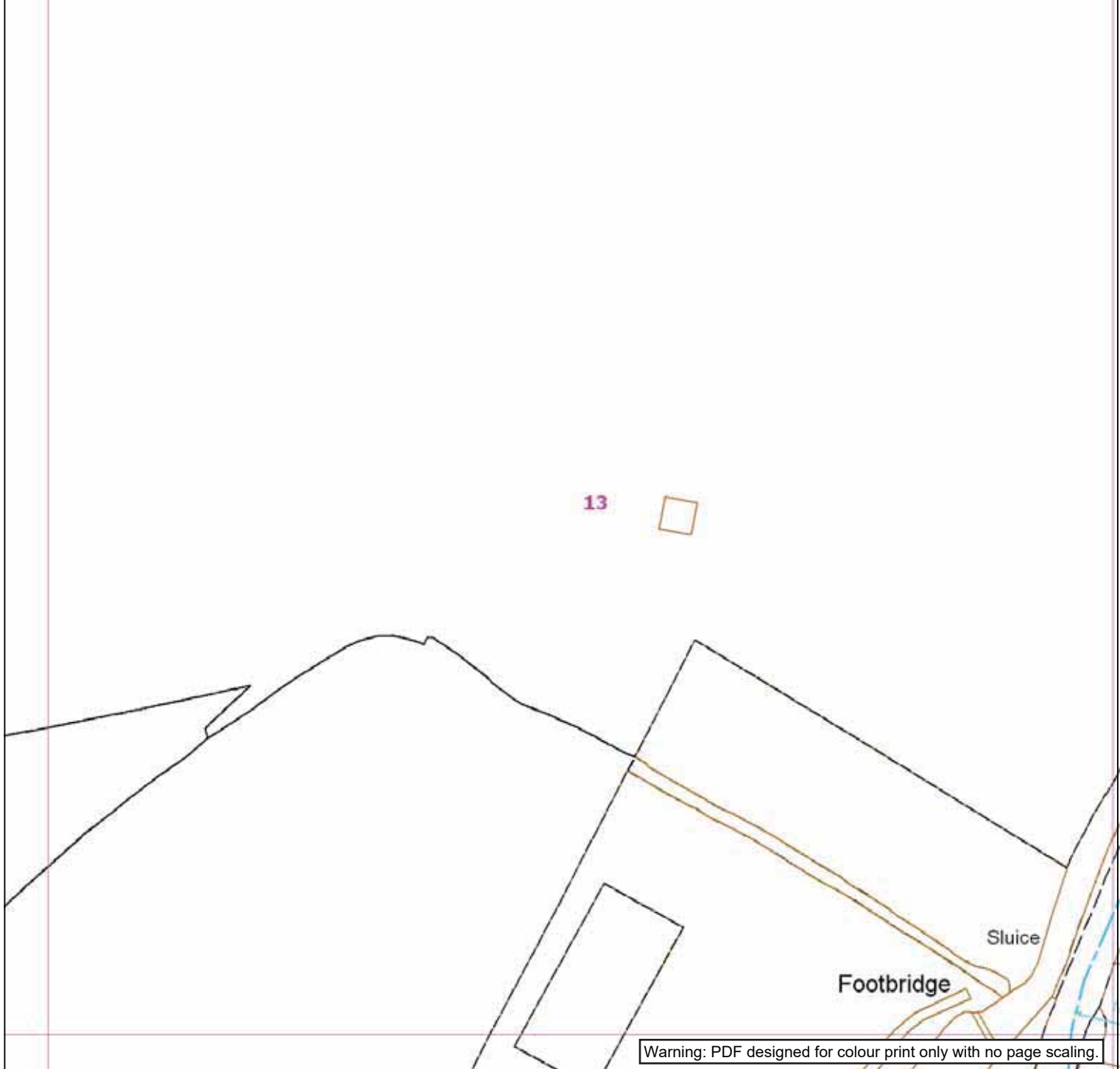
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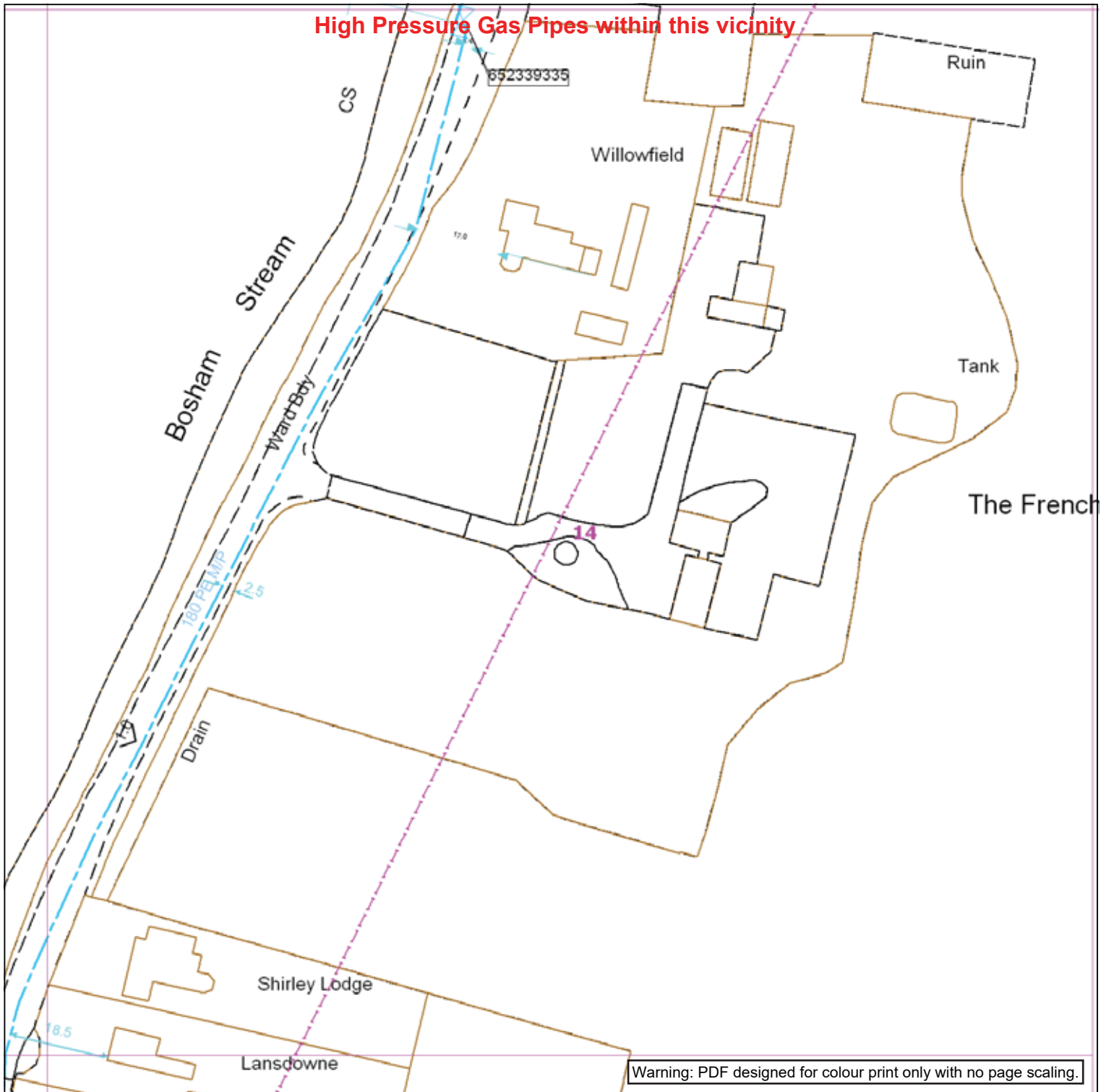
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# High Pressure Gas Pipes within this vicinity



 <p><b>SGN</b> Your gas. Our network.</p>	<p>Low Pressure Mains <span style="color: red;">—</span> Digsite: <span style="border: 1px solid black; padding: 2px;"> </span></p> <p>Medium Pressure Mains <span style="color: blue; text-decoration: dashed;">—</span> Line: <span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> Area: <span style="border: 1px dashed black; padding: 2px;"> </span></p> <p>Intermediate Pressure Mains <span style="color: green; text-decoration: dashed;">—</span> LAs <span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span></p> <p>High Pressure Mains <span style="color: orange; text-decoration: dashed;">—</span> GTs <span style="background-color: #f08080; width: 15px; height: 10px; display: inline-block;"></span> SSSIs <span style="background-color: #90ee90; width: 15px; height: 10px; display: inline-block;"></span></p> <p>Some Examples Of Plant Items</p> <p>Valve <span style="font-size: 1em;">⋈</span> Syphon <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Depth of Cover <span style="font-size: 1em;">∨</span> Diameter Change <span style="font-size: 1em;">±</span> Material Change <span style="font-size: 1em;"> </span></p>	<div style="text-align: center;">  <p>This information is given as a guide only and its accuracy cannot be guaranteed.</p> </div> <div style="text-align: center;">  </div>
<p><b>Contact Us</b></p> <p><b>SGN Safety Admin Team:</b> 0800 912 1722 Email: plantlocation@sgn.co.uk</p>	<p>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.</p>	
<p>Date Requested: 22/01/2019 Job Reference: 14654643 Site Location: 481208 105804 Requested by: Ms Christina Elliott Your Scheme/Reference: LM 72543/SuC - 2</p>	<p style="color: red; font-weight: bold;">Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA</p> <p style="color: red; font-weight: bold;">0800 111 999</p>	
<p>Exact Scales: 1:1000 Area or Circle dig site 1:1000 Line dig site</p>	<p>This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of the HM Stationery Office. Crown Copyright Reserved. Southern Gas – 100044373 and Scotland Gas – 100044366.</p>	

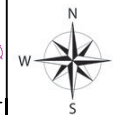
**High Pressure Gas Pipes within this vicinity**



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



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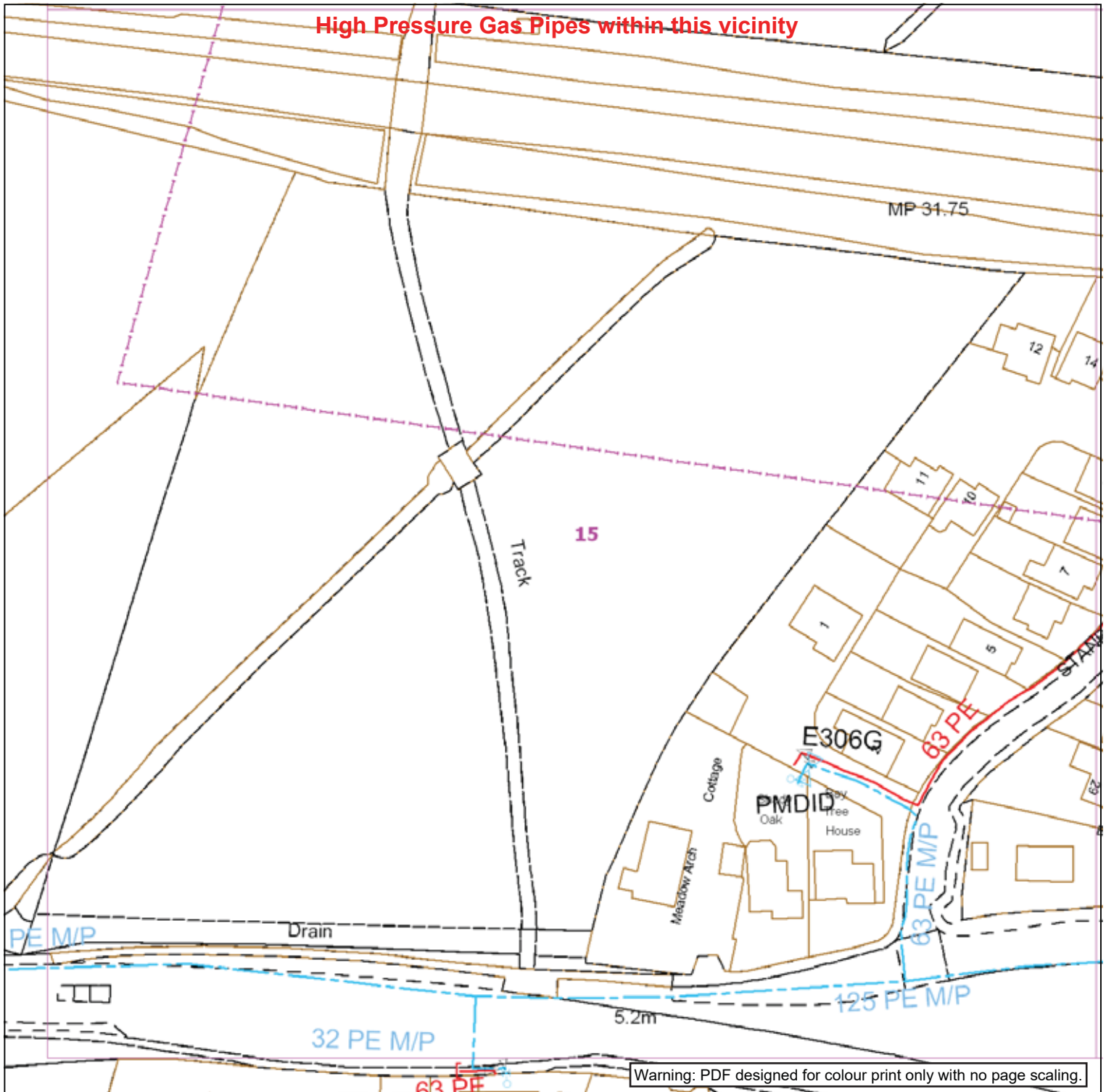
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**High Pressure Gas Pipes within this vicinity**



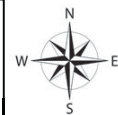
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Medium Pressure Mains		Line:		
Intermediate Pressure Mains		Las:		
High Pressure Mains		GTs:		SSSIs:
Some Examples Of Plant Items	Valve:	Syphon:	Depth of Cover:	Diameter Change:
			Material Change:	



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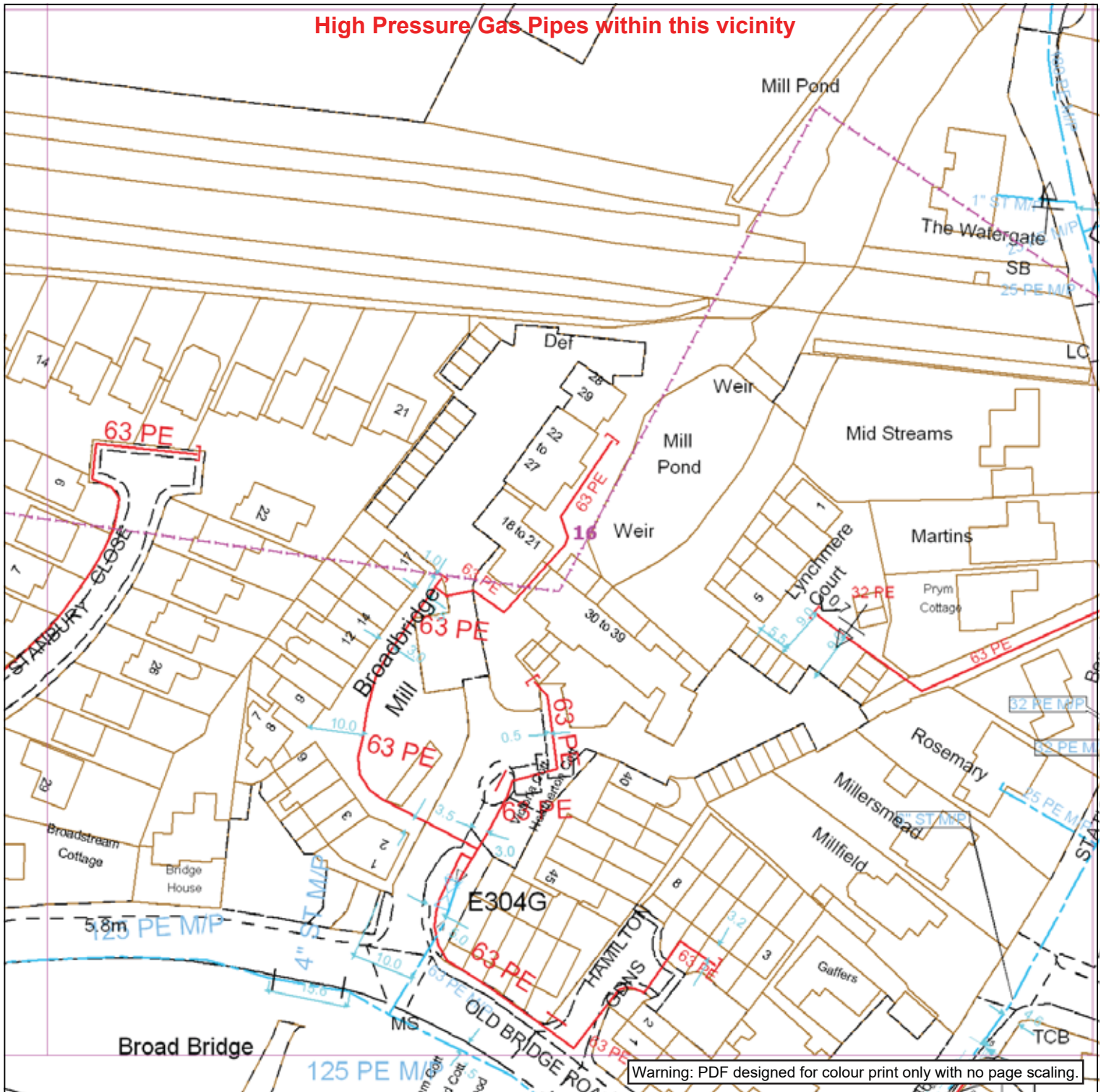
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# High Pressure Gas Pipes within this vicinity



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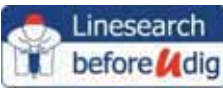
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Low Pressure Mains		Digsite:	
Medium Pressure Mains		Line:	
Intermediate Pressure Mains		Area:	
High Pressure Mains		LAS	
Some Examples Of Plant Items		GTs	
Valve		SSSIs	
Syphon		Diameter Change	
Depth of Cover		Material Change	



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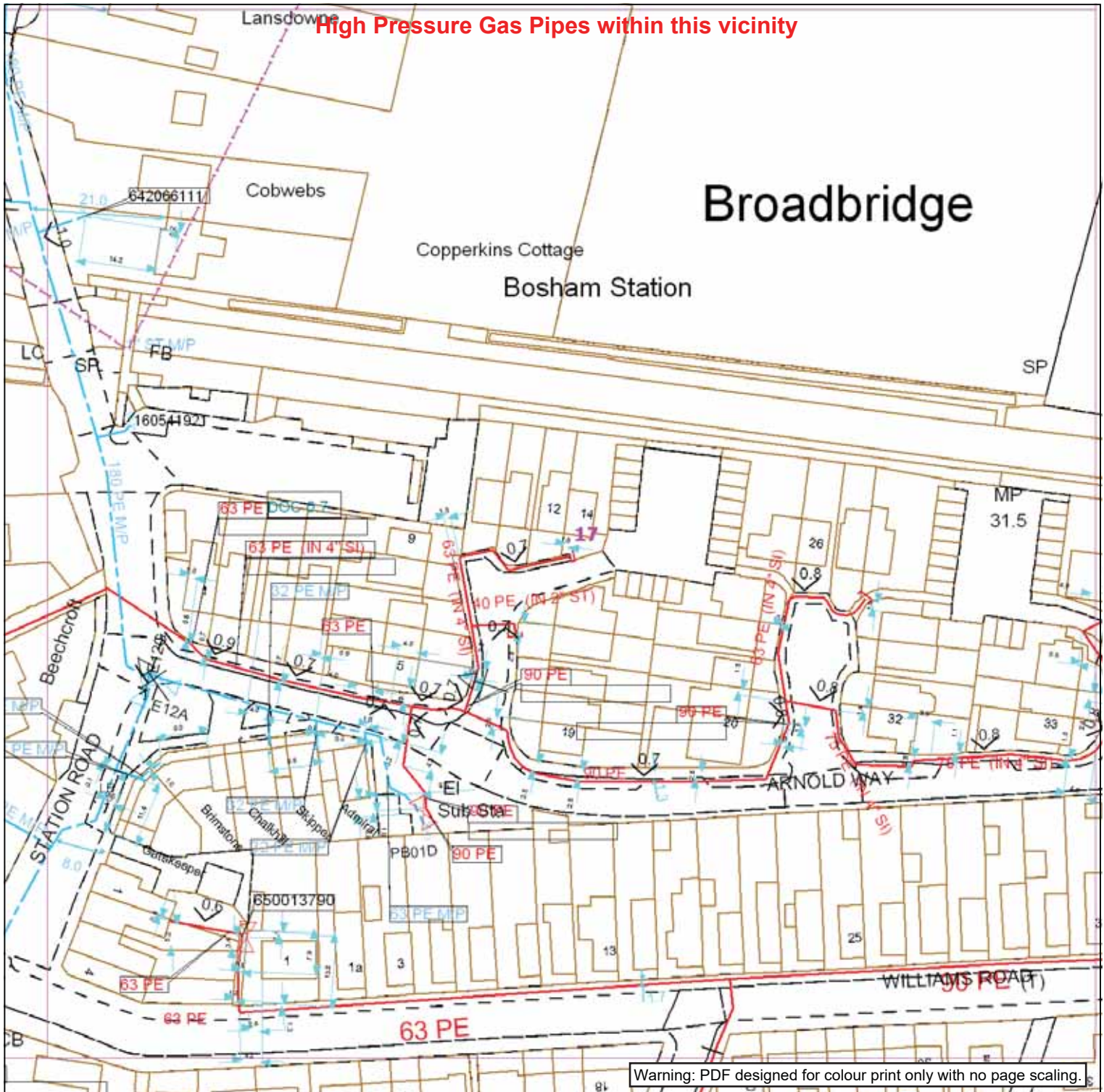
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**High Pressure Gas Pipes within this vicinity**

# Broadbridge



**Contact Us**

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

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

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






















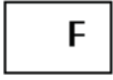






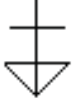







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LM 72543/SuC - 2

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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
						
SKETCH BUBBLE	DEPTH OF COVER	METER	MATERIAL CHANGE	LP MAINS	MP MAINS	IP MAINS
						
PIG TRAP	CROSSOVER CONNECTION	CHANGE OF DIAMETER	PIPE JOINT	LHP MAINS	HISTORY DATA	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](http://hse.gov.uk)
- NJUG **Utilities Guidance on Positioning and Colour Coding of Apparatus** available from [njug.org.uk](http://njug.org.uk)







# Making an enquiry for gas mains or services maps

Please visit our **Dig safely** pages on [sgn.co.uk](http://sgn.co.uk) for plant protection information and links to our online mapping system and other associated information and guidance.

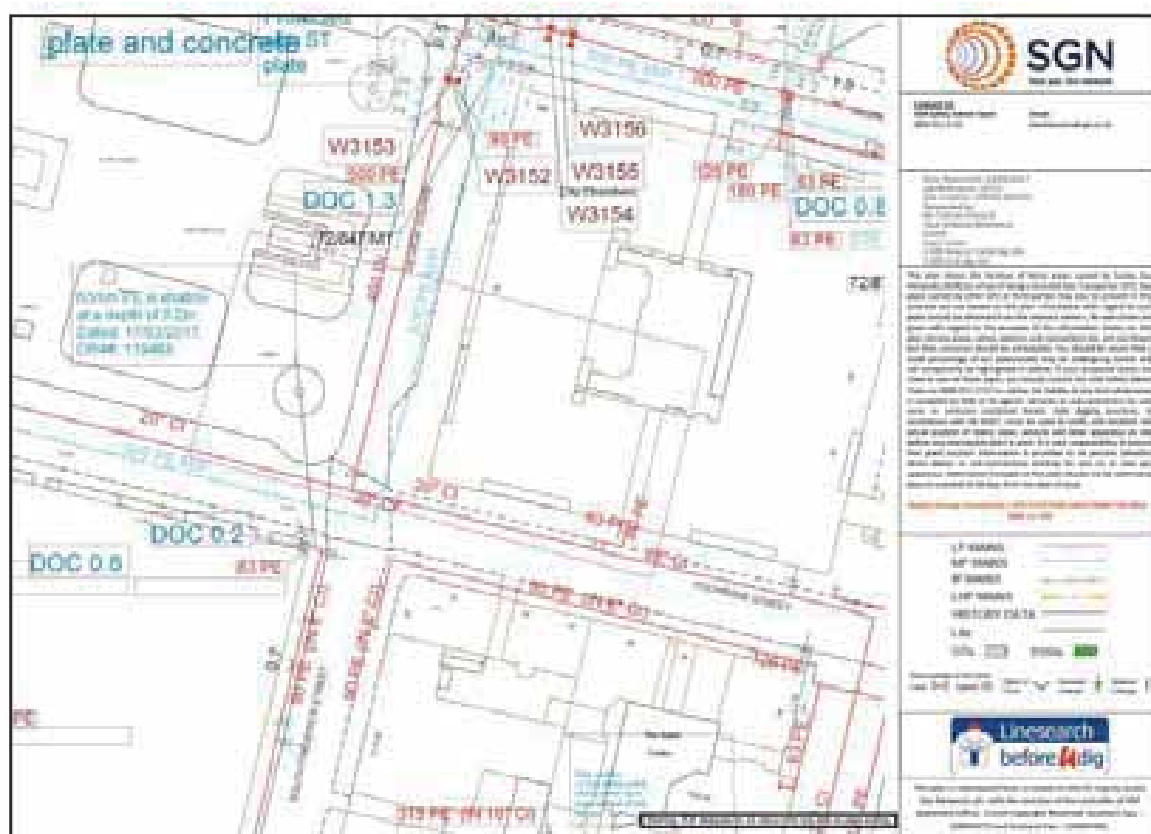
Our simple and easy to use online mapping system is available 24/7, 365 days a year.

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

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## 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.

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## 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

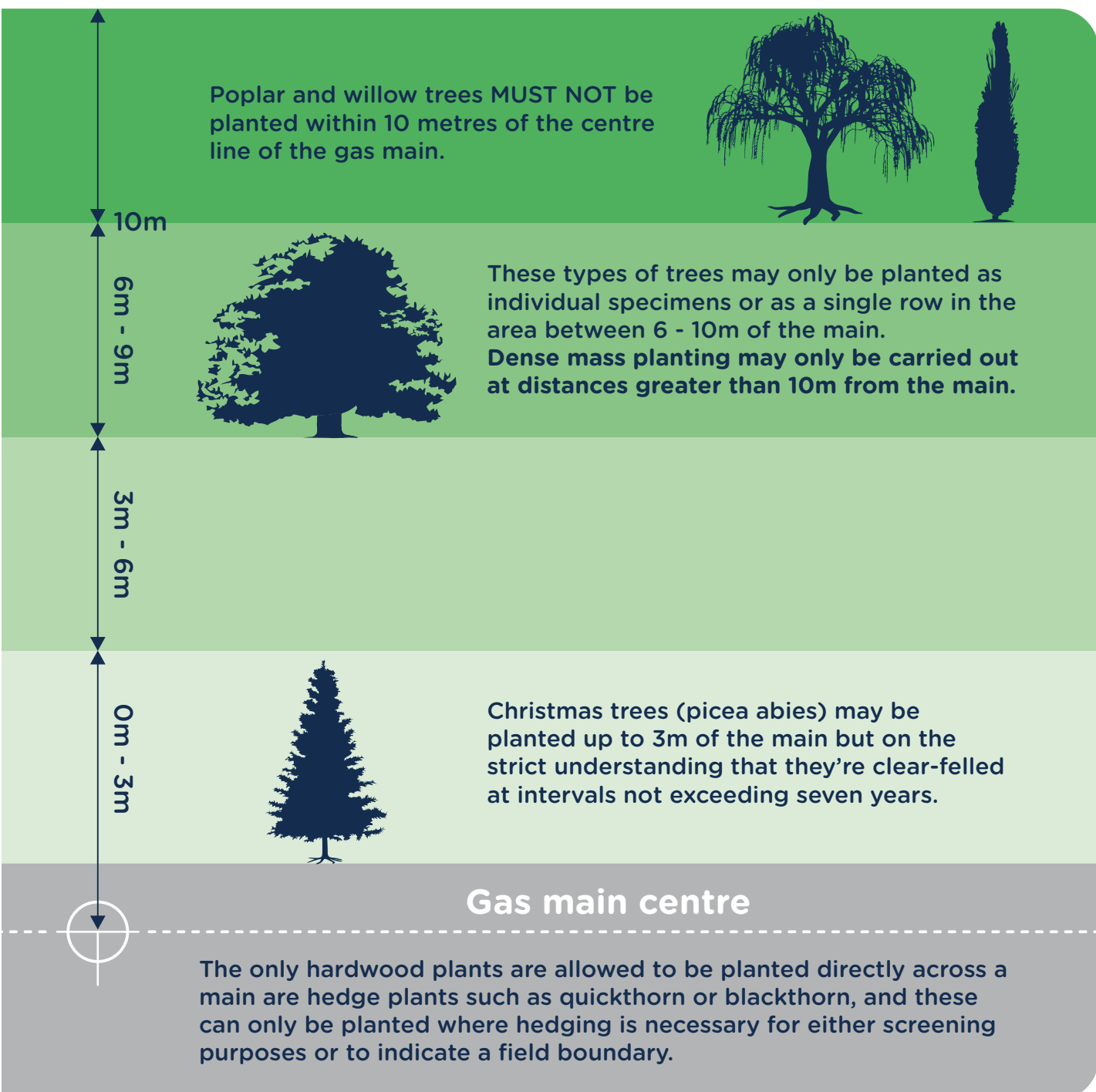
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Raspberries, gooseberries and blackcurrants may be planted on the gas main, but a four metre strip, centred on the main, **MUST** be left clear at all times.

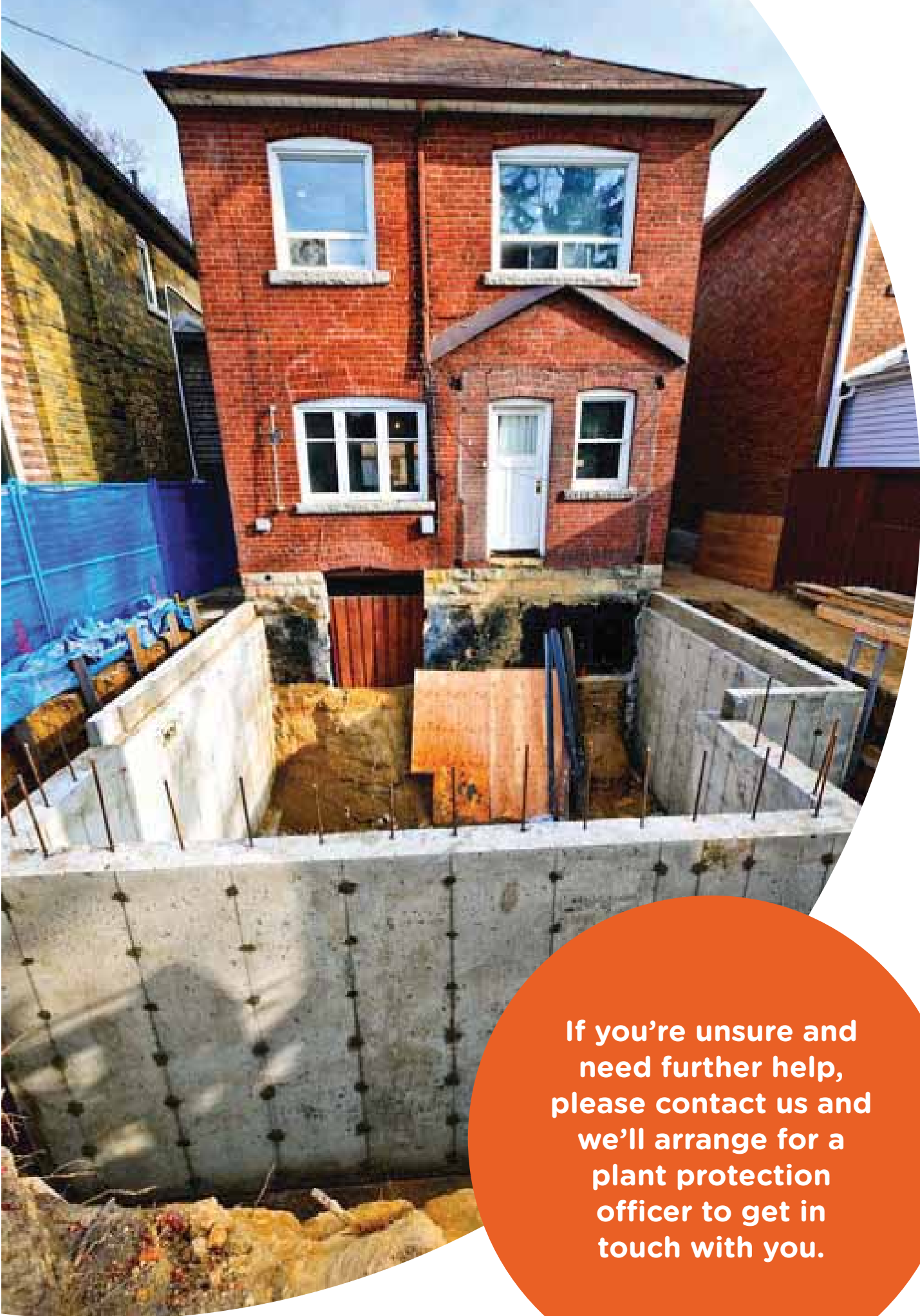


on a servitude/easement will be subject to us retaining the right to remove any tree, which in our opinion may become a danger to our mains in the future.

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.

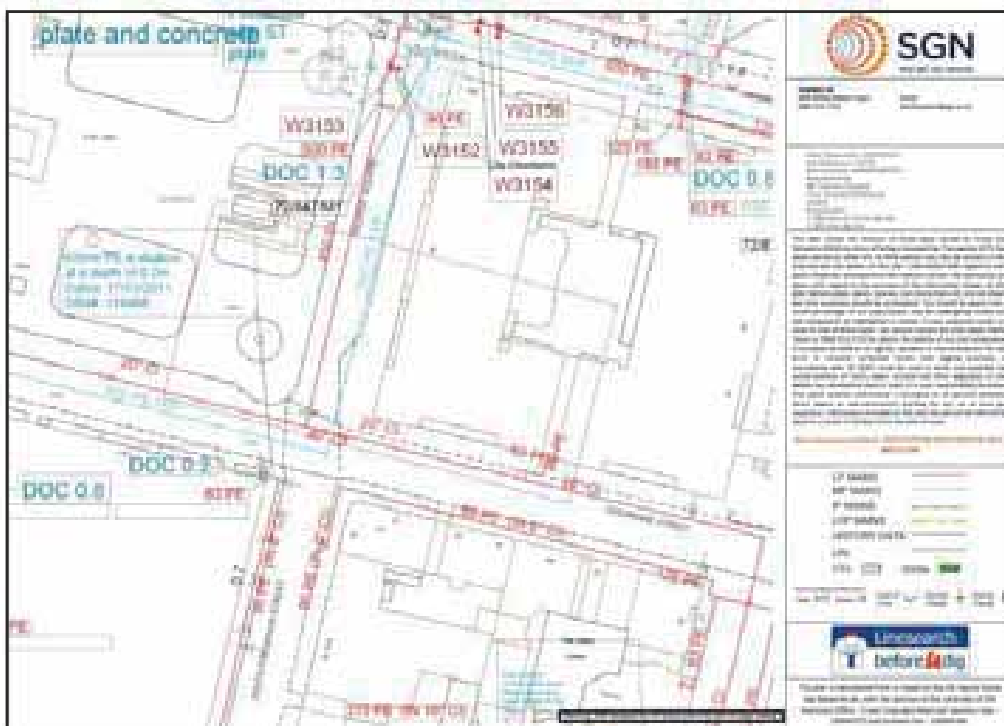


**If you're unsure and need further help, please contact us and we'll arrange for a plant protection officer to get in touch with you.**

# 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](https://sgn.co.uk)



0800 912 1722 \*

\*All calls are recorded and may be monitored



# SGN

Your gas. Our network.



**Know what's below**  
Protecting you and your family

# Protecting you and your family

Are you planning on carrying out any home improvements such as building a conservatory, an extension, a new pond, decking, concreting, landscaping, fencing or planting trees in your garden? You must make sure you have drawings/maps showing any pipes or cables around your home. To obtain copies of our gas drawings/maps please visit our **Dig safely** pages on [sgn.co.uk](http://sgn.co.uk) and follow the link to our online system.

**This service is free of charge.**

Our Dig safely page is also where you'll find advice on any protective measures you may need to take before you start work, whether you're planning on doing it yourself or hiring a professional.

Damaging gas pipes is dangerous and could lead to a fire or an explosion. It could also cause large-scale loss of gas supply to the local community and is potentially very expensive.



## Responsibilities

It's the responsibility of whoever is doing the work to make sure they've complied with the relevant legislation and Health and Safety Executive (HSE) guidance.

In practice, this means anyone carrying out work must obtain a copy of any available colour drawings showing the position of buried utilities for reference before and during the project.

#### Non-recording of service pipes >

Individual service pipes are not normally recorded on network drawings. This is accepted practice and reinforced by guidance given in Design, construction and installation of service pipes - approved code of practice, published by the HSE, and IGE/TD/4 - Gas Services, published by the Institute of Gas Engineers and Managers.

## What you need to do when planning a conservatory or house extension, landscaping, fencing or any other groundworks

It's the responsibility of whoever is undertaking the work to check with utility companies before the work starts.

If you're planning any building or digging work remember that gas pipes, power cables, water pipes and sewers all run underground and could be right beneath your feet.

Construction or excavation work can damage underground services or prevent further maintenance.

Remember that obtaining planning permission or a building warrant from your local authority doesn't normally involve consultation with utility companies so you should get in touch with them when you start planning your project. This will help keep everyone safe.

Please visit our **Dig safely** pages on [sgn.co.uk](http://sgn.co.uk) for more information and our online mapping system.



< Service entry

## 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 and you have requested a map from us, **your own gas service may not be marked**. The simplest way to understand the location of your gas service is to know where it enters your house, as pictured.

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

If you're unsure and need further help, please contact us and we'll arrange for a Plant Protection officer to contact you.



Any damage, however minor, must be reported to the National Gas Emergency Service

## What happens if you damage a pipe?

### If you damage a gas pipe:

- Call the National Gas Emergency Service on **0800 111 999** immediately
- **DON'T** attempt to make repairs yourself
- **DON'T** handle or attempt to alter the position of the exposed pipe

### Damaging a gas pipe can result in:

- Major fire/explosion leading to death or serious injury
- Asphyxiation due to gas exposure leading to death or serious injury
- Loss of gas supply to individuals or communities
- Financial costs to you for repair and remedial work
- Enforcement action by the HSE

We will recover all reasonable costs incurred in repairing damaged gas pipes.

## Planting a tree or landscaping your garden

### Tree roots can damage utilities.

If you're planting trees or shrubs, make sure you consider the type of plant, root type and their location in relation to buried gas pipes to avoid any damage. We may need access to repair and maintain our pipes and equipment in the future, and we reserve the right to remove any tree or bush if we need to.



# Delivering gas safely, reliably and efficiently

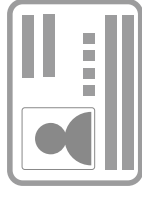
## Your safety is our top priority

We manage the network that distributes natural and green gas to over 5.9 million customers in Scotland and the south of England.

We own and operate 74,000km of gas mains, and associated plant and equipment.

We're committed to delivering gas safely, reliably and efficiently to every one of our customers.

Accidental damage to our pipes could put you or members of the public at risk.



All our engineers and contractors carry a photo ID card with our company logo on it. Don't be afraid to check with our Security team on 0800 015 5170 that the person on your property is supposed to be there.



Service entry



Meter box

# Help

If you're planning any work on or around your property and you need more information, you'll find everything you need on our Dig Safely pages.



[sgn.co.uk](http://sgn.co.uk)



0800 912 1722

Smell gas? **0800 111 999**

## Follow these six steps if you smell gas:



✓ DO open windows and doors to help ventilate the gas



✓ DO turn off the gas supply at the meter and make sure any gas appliances are turned off



✓ DO call the National Gas Emergency number on 0800 111 999. Lines are open 24 hours a day, 365 days a year



✗ DON'T smoke or use any naked flames



✗ DON'T touch any electrical switches. Turning a switch on or off could ignite a gas leak



✗ DON'T enter a cellar if you smell gas, even if your gas meter is located in the cellar

# Safety Advice - Valves



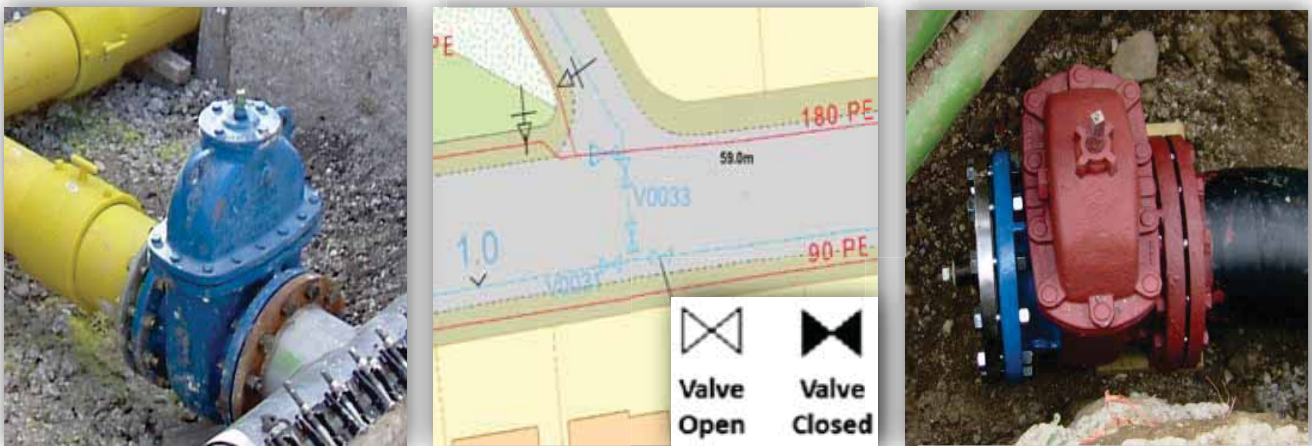
## Guidance when undertaking work near gas valves in our network areas

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](mailto:plantlocation@sgn.co.uk)

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



**Our Reference:** TPES/21431

Ms Christina Elliott  
Atkins  
500 Park Avenue Aztec West  
Almondsbury  
BS32 4RZ

Bourne Valley Road  
Branksome  
Poole  
BH12 1YT

james.heywood@sgn.co.uk

22 January 2019

**Re: Atkins(LM 72543/SuC - 2) - Utility Works/Single excavation site - Closest Address: Ratham Lane, Bosham, Chichester PO18 8NH, United Kingdom**

**LSBUD Reference: 14654643**

Dear Ms Christina Elliott,

Thank you for your enquiry dated 22/01/2019, there is a high pressure pipeline in the vicinity of your enquiry. If you intend to carry out ANY works, you are required to submit your detailed proposals to our plant location team Maintenance.Land.Owner.Enquiries@sgn.co.uk

**Please note that no mechanical excavations are permitted within 3m of the pipeline at any time.**

This pipeline is registered with the Health and Safety Executive as a Major Accident Hazard Pipeline.

**SGN High Pressure Gas Pipelines in the vicinity of your works**

<b>Pipeline Number</b>	<b>Pressure Regime</b>	<b>Building Proximity Distance (Zone 1)</b>
P014	HP	15.0

**This table does not include SGN's low medium and intermediate pressure assets, which may be in the vicinity.**

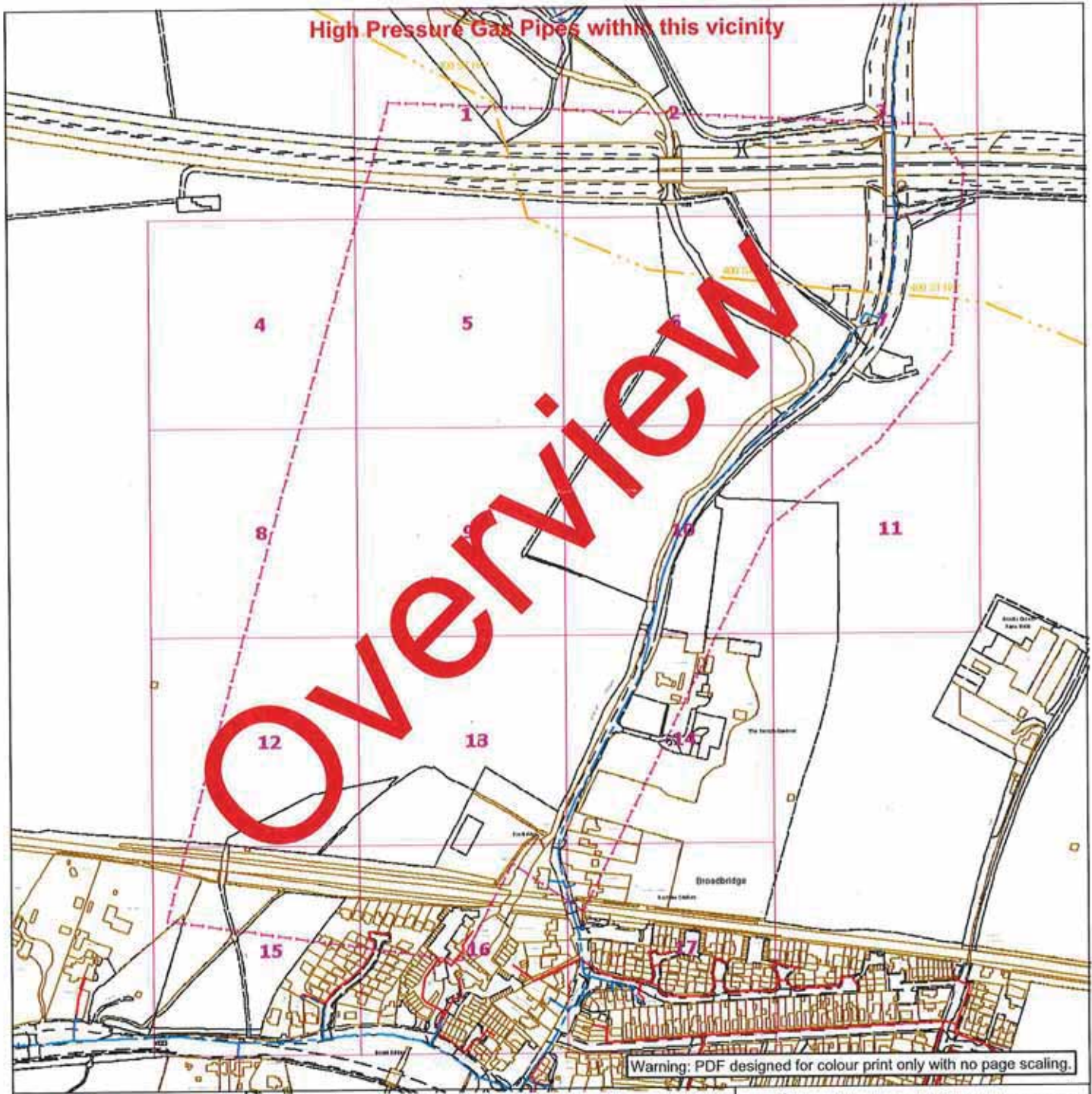
**Building Proximity Distance**

The building proximity distance (Zone 1) for the pipeline is shown in the table above for all our high pressure gas pipelines in the vicinity of your works. This should not however be confused with the HSE consultation zones 2 and 3 which will be considerably greater, further guidance of the requirements can be found in HSE Document: PADHI: HSE's Land Use Planning Methodology. Zone 1 is a safety factor with reference to habitable buildings as recommended by IGE TD/1. It is calculated from the diameter, material, wall thickness and pressure of the particular pipeline. Under Pipeline Safety Regulations 1996 this distance is declared to the HSE. Any intrusion within this safety zone will not be taken lightly and any intention to proceed should be accompanied by a risk assessment or provision of other supporting evidence, especially in the event of any legal proceedings at a later date.

Please let me know if SGN can supply you with technical or other information that may be of assistance to you.

Yours Sincerely,

James Heywood.  
Team Manager



**SGN**  
Your gas. Our network.

**Contact Us**

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

Date Requested: 22/01/2019  
Job Reference: 14654643  
Site Location: 481208 105804  
Requested by:  
Ms Christina Elliott  
Your Scheme/Reference:  
LM 72543/SuC - 2

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

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

**Linesearch before u dig**

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**

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.



**Our Reference:** TPES/21431

Ms Christina Elliott  
Atkins  
500 Park Avenue Aztec West  
Almondsbury  
BS32 4RZ

Bourne Valley Road  
Branksome  
Poole  
BH12 1YT

james.heywood@sgn.co.uk

22 January 2019

**Re: Atkins(LM 72543/SuC - 2) - Utility Works/Single excavation site - Closest Address: Ratham Lane, Bosham, Chichester PO18 8NH, United Kingdom**

**LSBUD Reference: 14654643**

Dear Ms Christina Elliott,

Thank you for your enquiry dated 22/01/2019, there is a high pressure pipeline in the vicinity of your enquiry. If you intend to carry out ANY works, you are required to submit your detailed proposals to our plant location team Maintenance.Land.Owner.Enquiries@sgn.co.uk

**Please note that no mechanical excavations are permitted within 3m of the pipeline at any time.**

This pipeline is registered with the Health and Safety Executive as a Major Accident Hazard Pipeline.

**SGN High Pressure Gas Pipelines in the vicinity of your works**

Pipeline Number	Pressure Regime	Building Proximity Distance (Zone 1)
P014	HP	15.0

**This table does not include SGN's low medium and intermediate pressure assets, which may be in the vicinity.**

**Building Proximity Distance**

The building proximity distance (Zone 1) for the pipeline is shown in the table above for all our high pressure gas pipelines in the vicinity of your works. This should not however be confused with the HSE consultation zones 2 and 3 which will be considerably greater, further guidance of the requirements can be found in HSE Document: PADHI: HSE's Land Use Planning Methodology. Zone 1 is a safety factor with reference to habitable buildings as recommended by IGE TD/1. It is calculated from the diameter, material, wall thickness and pressure of the particular pipeline. Under Pipeline Safety Regulations 1996 this distance is declared to the HSE. Any intrusion within this safety zone will not be taken lightly and any intention to proceed should be accompanied by a risk assessment or provision of other supporting evidence, especially in the event of any legal proceedings at a later date.

Please let me know if SGN can supply you with technical or other information that may be of assistance to you.

Yours Sincerely,

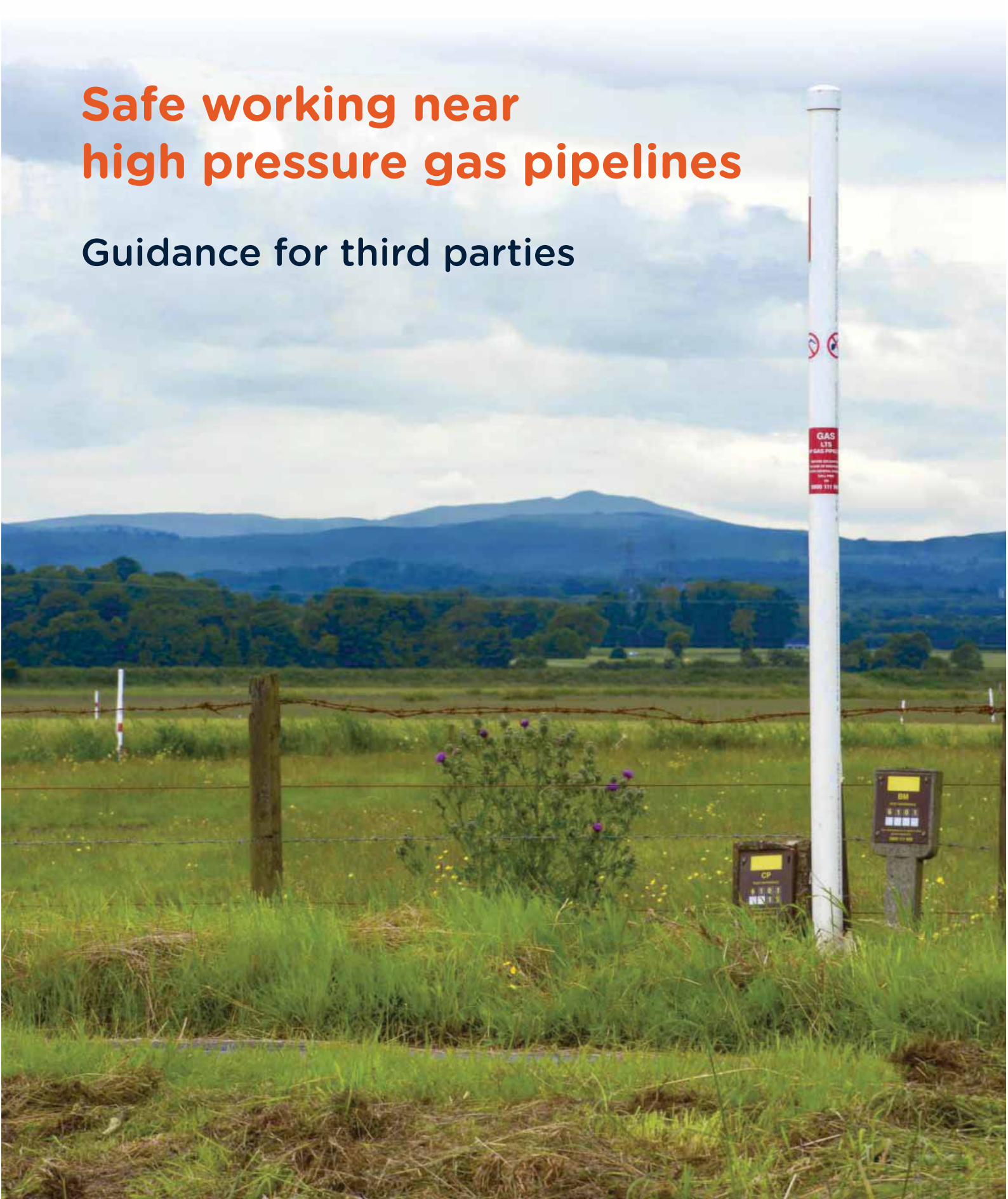
James Heywood.  
Team Manager



**SGN**  
Your gas. Our network.

# Safe working near high pressure gas pipelines

Guidance for third parties



**SGN**

Caution

Underground Gas Pipe  
Hand Dig Only

Gas Escapes  
0800-111-999

No:



## Legal duties

Pipeline Safety Regulations 1996, regulation 15 states:

‘No person shall cause such damage to a pipeline as may give rise to a danger to persons.’

The Health and Safety Executive (HSE) will investigate any incident of damage to a high pressure pipeline. High pressure gas pipelines are defined as Major Accident Hazard Pipelines and it is a criminal offence to damage them.

The HSE guidance document HSG47 ‘Avoiding danger from underground services’ highlights the dangers of working near underground services. The document also places a requirement on all contractors to contact the relevant utility and service providers when work is planned in the vicinity and to adhere to the specific requirement of the pipeline operator when working near pipelines.

Damage to pipelines can result in fatal or severe injury. Adhering to the specific guidance provided by SGN and liaising with SGN’s representatives throughout will ensure safe working near pipelines.

## Application of SGN/WI/SW/2

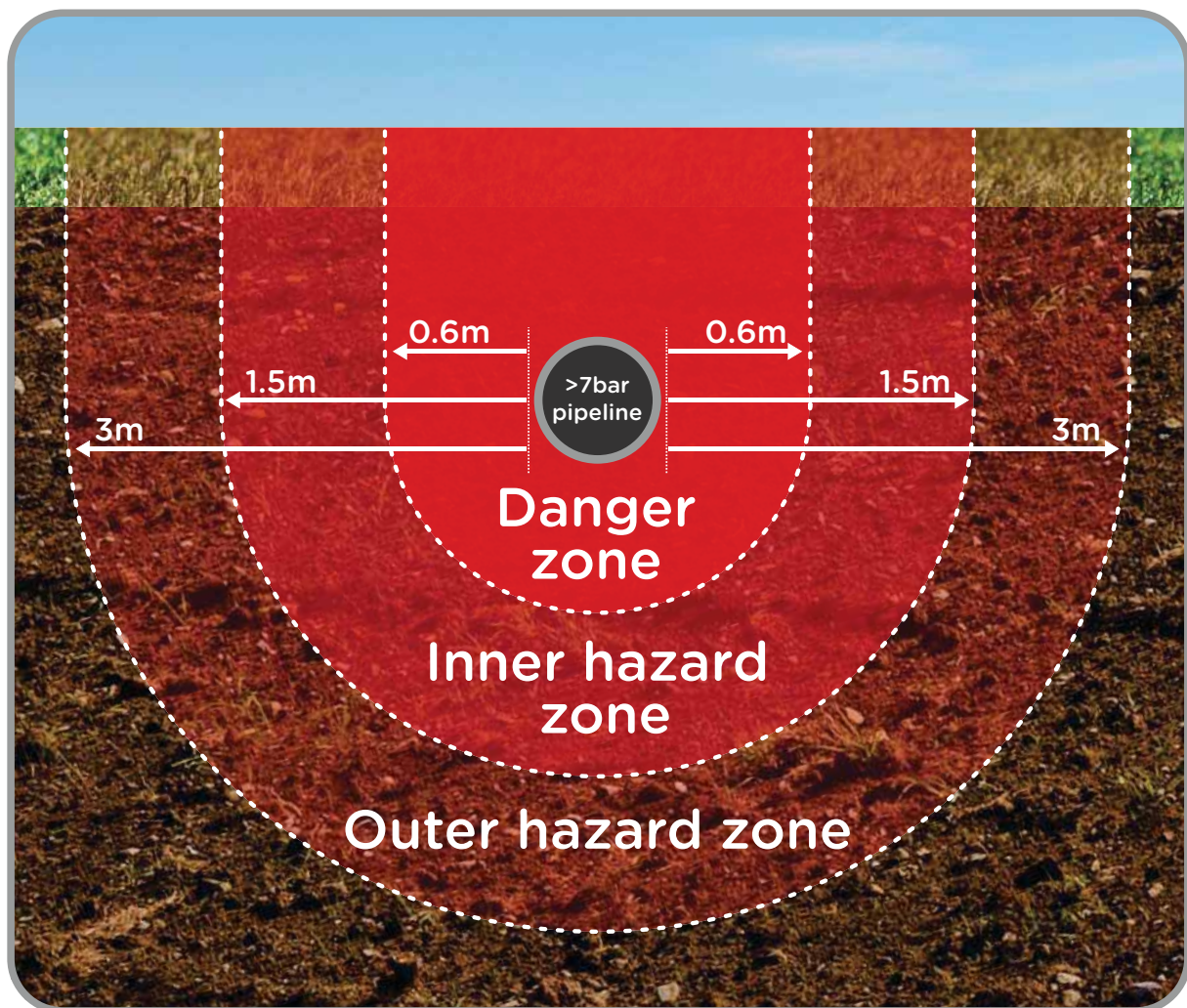
Our procedure for safe working in the vicinity of high pressure pipelines is SGN/WI/SW/2, this procedure applies to all excavation work in the vicinity of our high pressure pipelines. The preferred method for excavating in the vicinity of high pressure pipelines is to hand dig. This is to protect all workers in the area from the consequences of any potential excavator strike and to ensure the continued integrity of the pipeline.

There are scenarios in which mechanical excavators can be permitted but approval to use such plant can only be given by one of our Authorising Engineers and is subject to a detailed site-specific risk assessment and method statement detailing each aspect of the works. For any mechanical excavator use in the vicinity of the pipeline, or for the use of any powered hand tools an SGN Permit to Work must be issued.

For any mechanical excavation in the hazard zones an SGN SW/2 Technician **must** be on site to monitor the works at all times. No mechanical excavation is permitted in the hazard zone (see page 4) without the SGN SW/2 Technician being present. Hand excavated trial holes must be completed to prove depth and location of the pipeline prior to any works commencing.

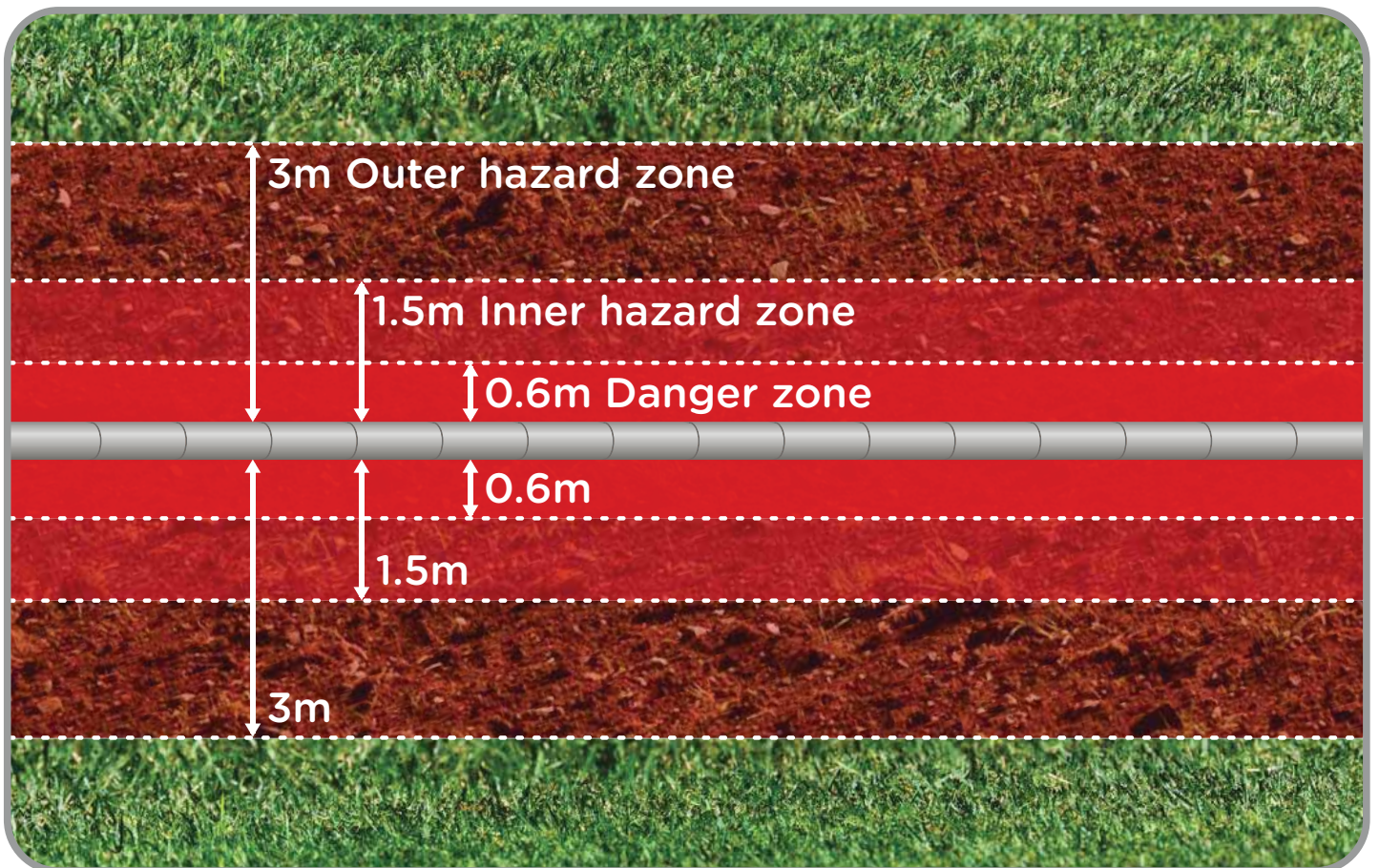
## Hazard and danger zones

The hazard and danger zones are established and marked out on site by the SGN SW/2 Technician. These zones are established to protect the pipeline from any unintended damage. Encroaching on these zones can result in damage to a pipeline which can lead to fatal injury.



**Figure 1.** Cross section example hazard and danger zones

The SGN SW/2 Technician will explain these markings and zones to the controller of works (on site) to ensure they are understood prior to planning the works and confirm them to the Nominated Responsible Person/team leader on site before any work begins.



**Figure 2.** Aerial example of hazard and danger zones

## Roles and responsibilities

Who's who and who's responsible for what:

- SGN SW/2 Technician
- Authorising Engineer
- Controller of the works
- Nominated Responsible Person

### SGN SW/2 Technician

The SGN SW/2 Technician is SGN's representative and primary point of contact on site for anyone planning work near Major Accident Hazard Pipelines, the SGN SW/2 Technician's responsibilities include:

- liaising with those undertaking the works
- ensuring all pipeline records and plans have been obtained
- locating and marking the pipeline
- establishing the 'hazard zones' and 'danger zone'
- monitoring activities in the hazard and danger zones
- stopping the work if the pipeline is at risk

The SGN SW/2 Technician **must** be on site to monitor works during any of the following activities:

- all works requiring a Permit to Work
- excavation of trial holes
- top soil stripping
- use of mechanical excavators in the hazard zones
- use of powered hand tools in the inner hazard zone and danger zone
- use of vacuum excavators in the hazard and danger zones
- use of trenchless technologies in the hazard and danger zones

### Authorising Engineer

- an Authorising Engineer is a highly trained and competent engineer, registered on SGN's Safe Control of Operations system, with authority to issue a Permit to Work for activities in proximity to high pressure assets
- reviews risk assessments and method statements for the planned works

## Authorising Engineer cont.

- confirms the Nominated Responsible Person fully understands the method statement and Permit to Work
- issues Permit to Work to the Nominated Responsible Person on site
- **cannot authorise** mechanical excavation in the danger zone
- briefs the Nominated Responsible Person and SGN SW/2 Technician on the permitted methods of working
- **must** authorise any change to the method statement or Permit to Work

## Controller of works

Representative from the principal contractor or main contractor with overall responsibility for the safe delivery of the planned works, the controller of works responsibilities include:

- providing the method statements to SGN for agreement for the planned works
- ensuring all operatives involved understand the method statements
- ensuring all operatives [including machine operators] are suitably competent and experienced for the roles they are carrying out
- ensuring suitable arrangements are in place for supervision and monitoring of the works (in addition to the role of the SGN SW/2 Technician), including works undertaken by sub-contractors
- nominating a suitable Nominated Responsible Person (if a Permit to Work is required)

## Nominated Responsible Person

The Nominated Responsible Person is put forward as the representative of the third party, and approved by SGN, to receive the Permit to Work for the planned activities and with the following responsibilities:

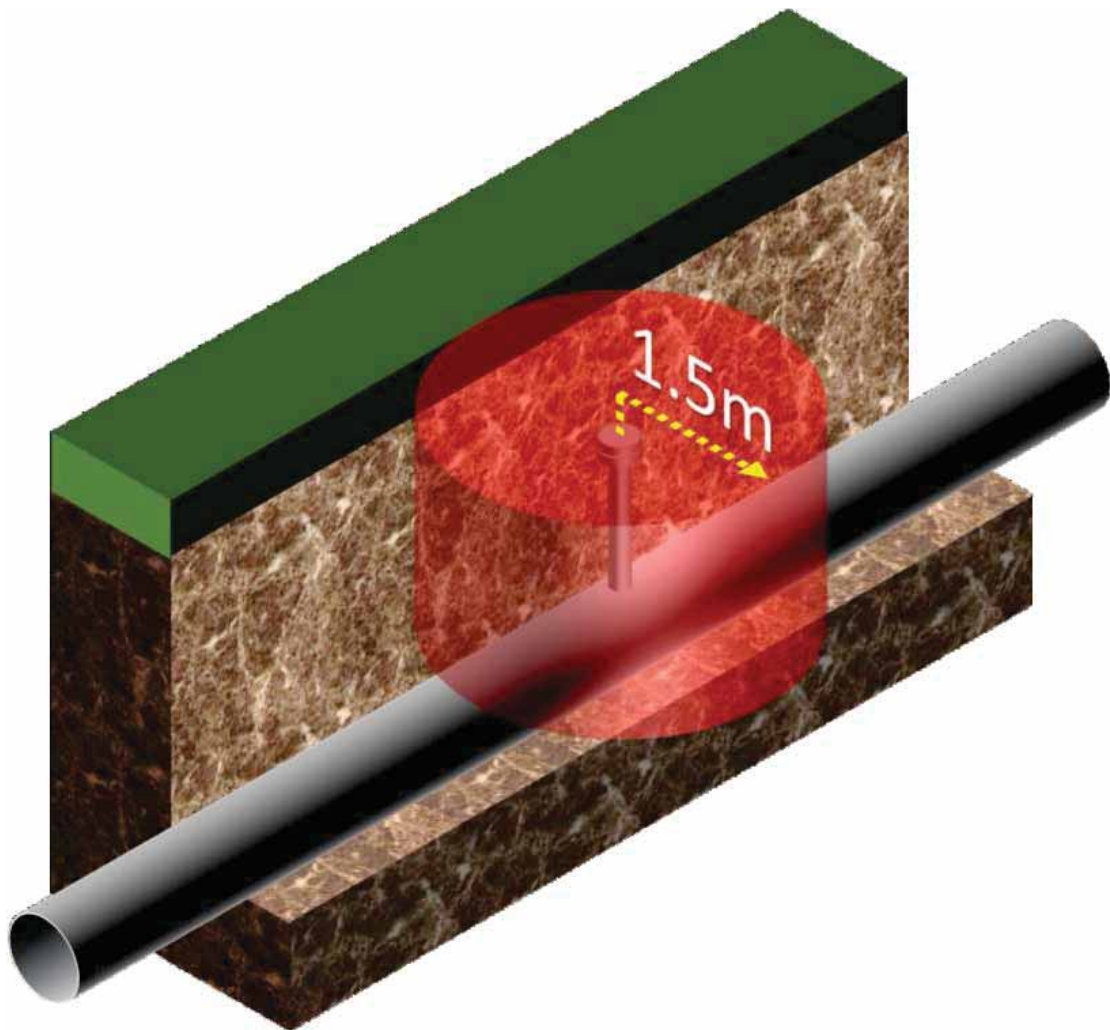
- briefing all workers and machine operators on the safe working practices
- **must** be on site at all times while work is carried out
- **must** be in direct control of the workers and machine operators
- **must** ensure the SGN Permit to Work and agreed method statement is complied with
- **must** ensure SGN's SW/2 procedure is complied with
- **does not** have any authority to deviate or change the agreed method of working

## Fittings and standpipes

High pressure gas pipelines have various fittings and connection points which are particularly vulnerable to damage. These fittings protrude from the pipeline and mechanical excavators **must not** be used within a 1.5m radius of fittings and standpipes.

Fittings and standpipes **must** only be excavated by hand excavation. A Permit to Work is required if **powered hand tools** need to be used.

Hand dug trial holes **must** be undertaken to locate and confirm the position of fittings and standpipes if a mechanical excavator is to be used within the hazard zones. An SGN SW/2 Technician **must** be on site when trial holes are dug or when any excavation work is being undertaken near to fittings and standpipes, even if a Permit to Work has been issued.



**Figure 3.** Minimum proximity to fittings

## Permits to Work

A Permit to Work is an essential control measure for high risk activities. An SGN Permit to Work is required for the following activities:

- mechanical excavation inside the hazard zones - including backfilling
- use of powered hand tools inside the inner hazard zone and danger zone, including vibro-tampers for backfilling
- use of vacuum excavators in the hazard and danger zones
- any 'trenchless techniques' within, through or under the hazard zones
- any 'hot works' ie welding, cutting, burning within the easement
- highways surface removal in the hazard and danger zones

A Permit to Work **must** be issued:

- on site where the activity will be undertaken
- by an SGN SCO registered Authorising Engineer competent in SW/2 activities
- to the Nominated Responsible Person
- with reference to a site specific method statement

The Authorising Engineer will brief the Nominated Responsible Person and the SGN SW/2 Technician on the Permit to Work and the specific requirements of the works. The SGN SW/2 Technician and Nominated Responsible Person **must** then ensure that all those involved in the works have a clear understanding of their role and responsibilities for the duration of the work.



## Pipeline location

The SGN SW/2 Technician will locate and mark the pipeline route and associated zones. Markers will be placed at 3m intervals, at all bends and extend 15m in all directions from the planned excavations site.

The SGN SW/2 Technician will regularly monitor and maintain pipeline markers, especially during the course of longer duration works or works where markers or ground paint are more likely to be disturbed.

If pipeline markers are disturbed the SGN SW/2 Technician **must** be consulted to re-establish the markers in the correct location.

## Trial holes

Trial holes are used to confirm the location and depth of a pipeline. If a mechanical excavator is to be used in the hazard zones, trial holes excavations **must** be carried out. All trial holes must be hand excavated. It is the responsibility of the SGN Authorising Engineer to decide how many trial holes are required. All indicated direction and depth changes **must** all be investigated and confirmed with trial holes. All trial holes **must** be monitored by an SGN SW/2 Technician.

If the planned works are outside the hazard zones, trial holes may still be required, it is the decision of the SGN SW/2 Technician to assess the need for trial holes outside the hazard zones.

## Site-specific risk assessments

All risk assessments for work near a Major Accident Hazard Pipeline must be site-specific and **must** take into account the following:

- the proximity of the planned works to the pipeline
- the size and types of powered machines
- the activity to be undertaken in close proximity to the pipeline

Risk assessments **must** be regularly reviewed and amended accordingly if:

- site conditions change
- the activity changes
- the operatives involved or the mechanical plant changes
- the works are of long duration



## Specific activities

### Powered hand tools

A Permit to Work is required when using powered hand tools in the inner hazard zone or the danger zone.

The permissible proximity to the pipe will be specified by the Authorising Engineer.

### Top soil stripping

- SGN SW/2 Technician **must** be on site
- applies only to work site areas not discrete excavations
- **must not** be undertaken within 3.0m of fittings/standpipes - the position of these **must** be confirmed by hand excavation
- toothless buckets **must** be used
- Permit to Work is required if a depth greater than 250mm is to be removed

### Mechanical excavation

- no mechanical excavation is permitted within the danger zone, with the exception of top soil stripping
- a Permit to Work is required for all mechanical excavation in the hazard zones
- the SGN SW/2 Technician **must** be on site when used in the hazard zones
- **must not** be authorised for use within 1.5m of fittings and standpipes
- **must not** reach over or across the pipeline
- **must not** pull towards the pipeline
- **must** use toothless buckets
- use minimum sized buckets
- a banksman **must** be used at all times



## Mechanical assistance

Mechanical assistance is when an excavator is used to assist in removing previously excavated spoil ie hand digging and placing the material into the excavator bucket. This is to aid in excavating without allowing the excavator to intrusively remove spoil. Mechanical assistance can be permitted subject to the following requirements:

- the SGN SW/2 Technician **must** be on site to monitor all works
- a Permit to Work is required within the hazard zones
- the machine **must not** lift over the pipe
- **must not** be used near fittings and standpipes

## Vacuum excavators

Vacuum excavators can be used to assist in excavating near Major Accident Hazard Pipelines subject to the following conditions:

- a Permit to Work is required within the hazard and danger zones
- the position and depth of the pipeline **must** first be confirmed hand excavated trial holes
- toothed hoses **must not** be used unless authorised by SGN

## Backfilling

The SGN SW/2 Technician **must** be present for all backfilling activities. If any backfilling is carried out without the SGN SW/2 Technician present the pipe must be re-excavated to check for damage.

All backfilling operations must be fully detailed in the method statement for the works, specifically the sequence of works and the plant types to be used. Compaction plant can pose a risk to pipeline integrity and as such a minimum of 600mm of hand placed and hand packed material must be in place prior to any plant being introduced. Only lightweight compaction plant can be used initially, until a total of 900mm of evenly compacted material is in place over the pipeline. The proximity distances are measured from the top most part of the pipeline, including any fittings or connections.

A Permit to Work is required for backfilling works that involve any of the following:

- mechanical excavators assisting in the hazard and danger zones
- hand operated vibro-tampers in the inner hazard and danger zones
- vibrating rollers in the hazard and danger zones
- any lifting operations ie lifting of plant or materials into the excavation

## Damage to pipelines

Any damage to a high pressure pipeline or the pipeline coating can affect its integrity and can result in immediate or delayed failure, potentially causing severe or fatal injury.

All damage to a pipeline or a pipeline coating, however minor, **must** be reported to SGN via the SGN Gas Control room (0845 073 7953) **immediately**.

All work on site should **stop immediately** and the work area **must** be evacuated. **No one must approach the site and no one must attempt to stop the leak.**

### Contact details

SGN SW/2 \_\_\_\_\_  
Technician name

SGN SW/2 \_\_\_\_\_  
Technician phone number

Gas emergency number: 0800 111 999

**Booklet no:**

## Appendix A

**Date** \_\_\_\_\_

**I/We** (Third party) \_\_\_\_\_

Hereby acknowledge receipt of the SGN document 'Safe working near high pressure gas pipelines - Guidance for third parties.'

I/we confirm that we have read and understood the terms of the document and understand that non-compliance may result in damage to the pipeline in contravention of the Pipeline Safety Regulations 1996.

I/we confirm that we will contact SGN prior to any works commencing in the vicinity of a pipeline in order to plan and agree working and restrictions.

I/we hereby undertake to comply with all restrictions and advice provided by SGN prior to, during and following all planned works and to keep SGN advised of any changes, alterations or amendments to the planned works.

**Signed** (Third party)

\_\_\_\_\_

**Full name of signatory** (please print)

\_\_\_\_\_

**Address** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Witness signature**

\_\_\_\_\_

**Full name of witness** (please print)

\_\_\_\_\_

**Address** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Place of signing** \_\_\_\_\_



**GAS**  
**LTS**  
UP GAS PIPE

BEFORE EXCAVATING  
ALWAYS NOTIFY THE  
GAS COMPANY  
CALL FREE  
0800 111 999

**SGN**  
Underground Gas Pipe  
Marking Only  
Gas Escapes  
0800-111-999

CP  
6400  
090

No:



CHECKED

## Utility Solutions GDC Requests

**From:** Distribution Admin <Distribution.Admin@portsmouthwater.co.uk>  
**Sent:** 21 January 2019 20:40  
**To:** Utility Solutions GDC Requests  
**Subject:** Saved/RPA RE: Plant Enquiry - 72543 - Land off Mudberry Lane, Bosham, Chichester - Please respond by 25/01/2019  
**Attachments:** REF 72543 SHEET 1 - SK.pdf; REF 72543 SHEET 2 - SK.pdf

Dear Sir / Madam

### NETWORK MAINS PLAN

Further to your email dated 17 January 2019, please find enclosed a section of Ordnance Survey plan on which is indicated in black lines, the approximate positions of the Company's existing water mains.

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

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

All surface boxes should be adjusted to final levels.

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

Kind regards,



Ben Sydenham

Distribution Manager

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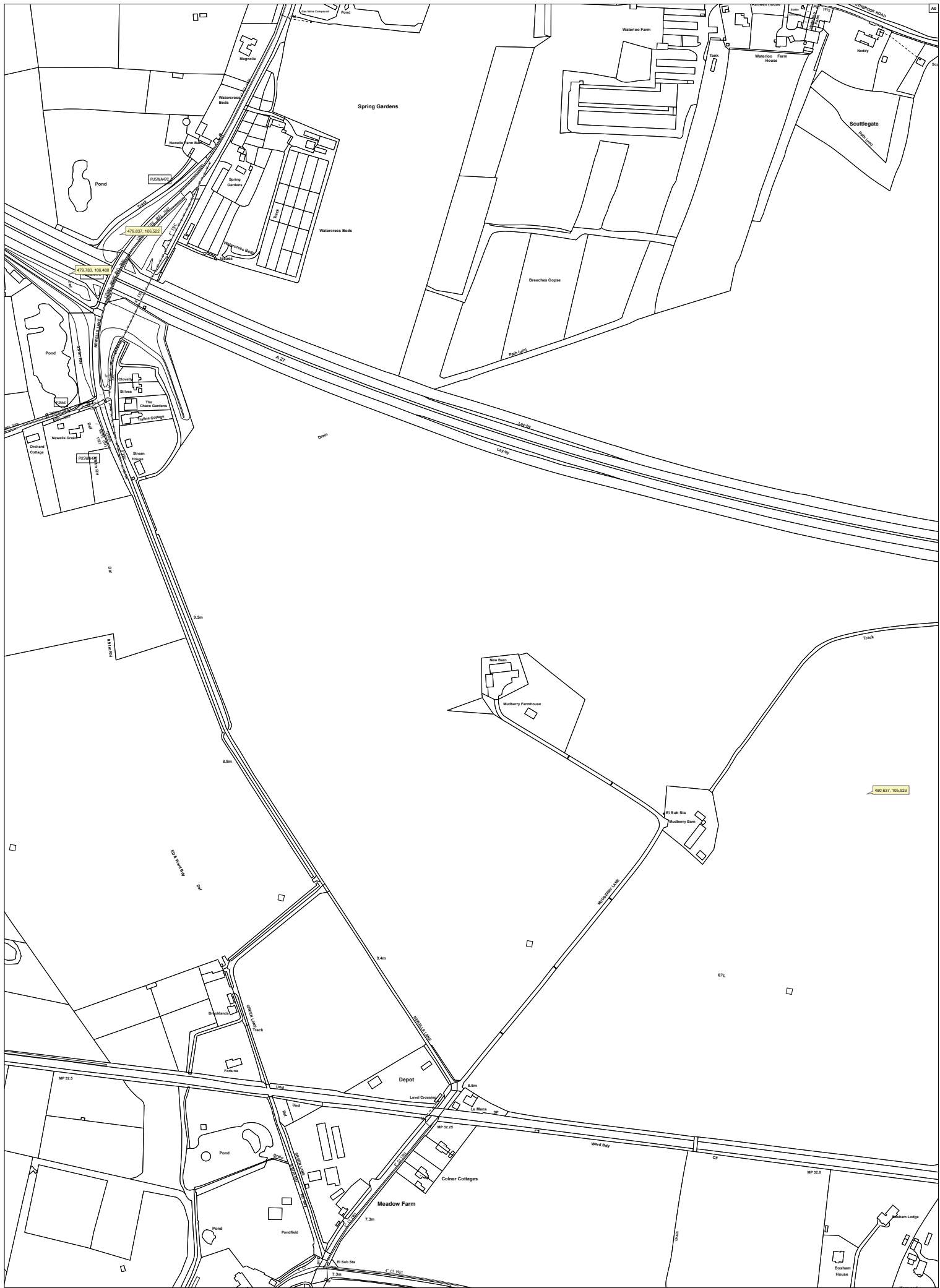
**From:** Utility Solutions GDC Requests [mailto:requests.utilitysolutions@atkinsglobal.com]  
**Sent:** 17 January 2019 12:15  
**To:** Asset.Enquiries <Asset.Enquiries@portsmouthwater.co.uk>  
**Subject:** [EXTERNAL] Plant Enquiry - 72543 - Land off Mudberry Lane, Bosham, Chichester - Please respond by 25/01/2019

Our Reference: 72543  
Site Name: Land off Mudberry Lane, Bosham, Chichester  
Works Description: Building Works - Low Rise  
Site Grid References: 480721 105970,481519 106083,479833 106472,481075 105468

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

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



REFERENCE 72543 - SK

	EXISTING MAIN		PROPOSED FIRE HYDRANT
	ABANDONED MAIN		FIRE TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	COMPANY WATERCUT		FIRE TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	WATERCUT FIRE HYDRANT		FIRE TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY

**Engineering Office**  
 P.O. Box 204, 180 West Street, Wokingham, RG40 2AA, UK  
 Telephone: 01344 891100, 01344 891101  
 Fax: 01344 899102  
 Website: www.pwr-engineering.co.uk

Approved by the Government of Northern Ireland and the Department of the Environment, Northern Ireland, on 11th June 2014.  
 The information contained in this document is provided for the use of the client only. It is not to be used for any other purpose without the written consent of the Engineering Office.  
 Scale: 1:1,000  
 Date: 25/01/2014





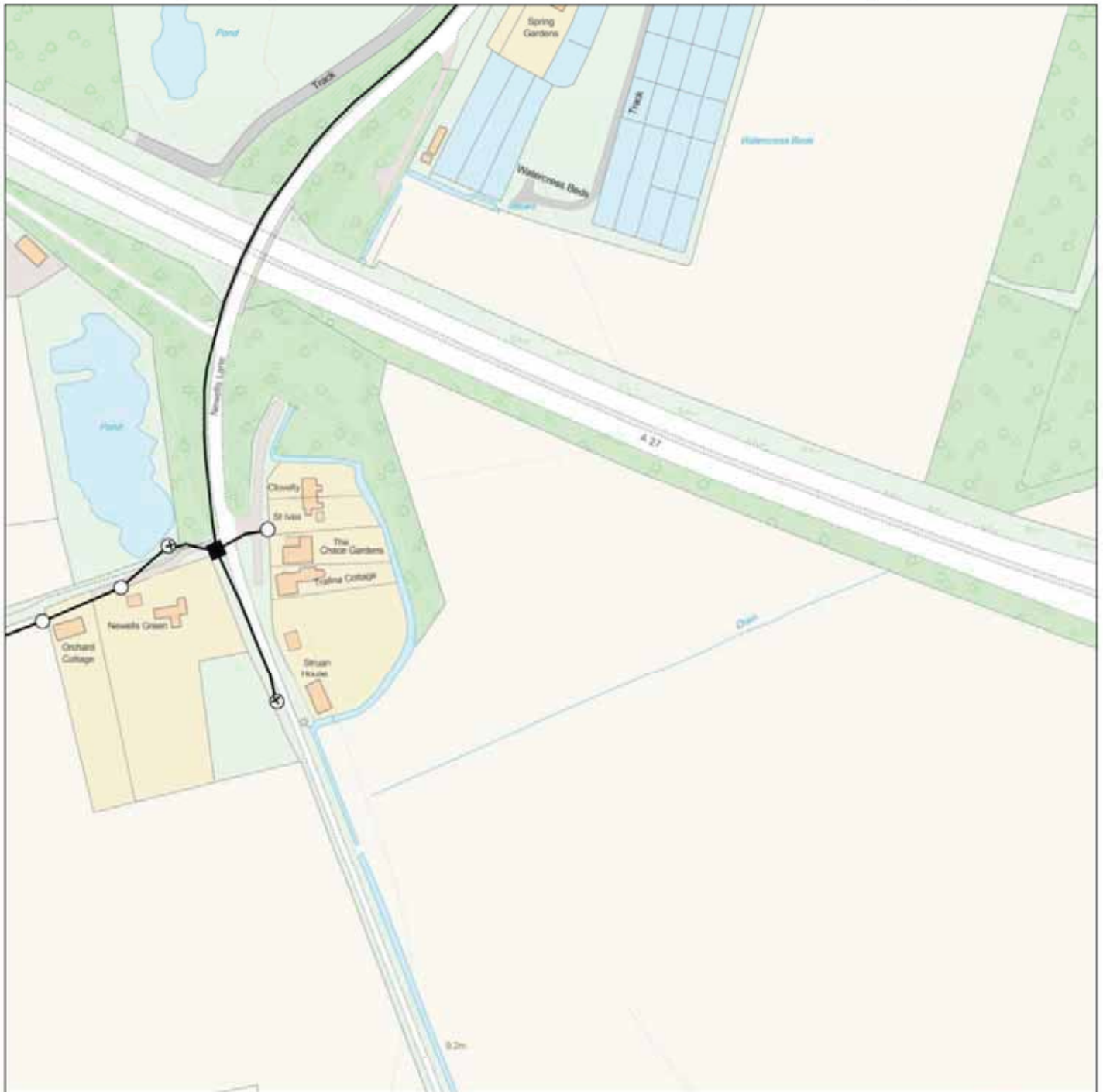
	EXISTING MAIN		PROPOSED FIRE HYDRANT
	ABANDONED MAIN		PROPOSED FIRE HYDRANT
	PROPOSED MAIN		NO TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	COMPANY WATERCUT		FM TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	WISCONSIN FIRE HYDRANT		NO TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY

Project Office:  
 2/4, Broomfield, 10, West Street, Newark  
 Telephone: 01636 551111  
 Fax: 01636 551112  
 Website: www.pwfr.co.uk

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Job No:  
 Job Ref:  
 Scale: 1:1,000  
 Date: 20/01/2014

# Maps by email Plant Information Reply



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## KEY TO BT SYMBOLS

			Change Of State	+	Hatchings	
	Planned	Live	Split Coupling	×	Built	
PCP			Duct Tee	▲	Planned	
Pole			Building	■	Inferred	
Box			Kiosk	Ⓚ	Duct	
Manhole			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.			
Cabinet						
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Power Cable						
Power Duct				N/A		

BT Ref : AKW07407Q

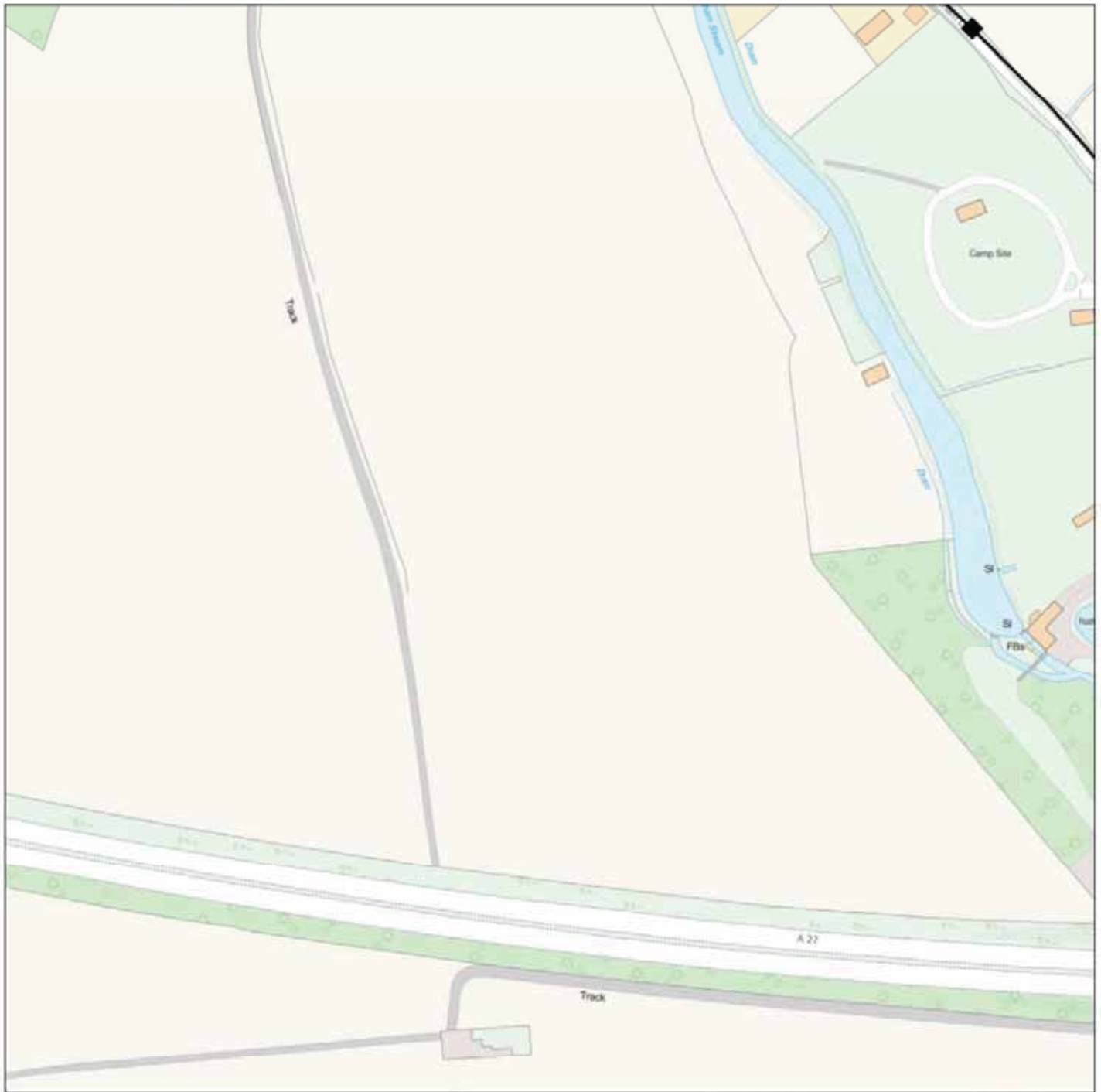
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Easting/Northing : (centre) 479965,106340

Issued : 22/01/2019 07:41:15

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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.			
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Power Duct				N/A		

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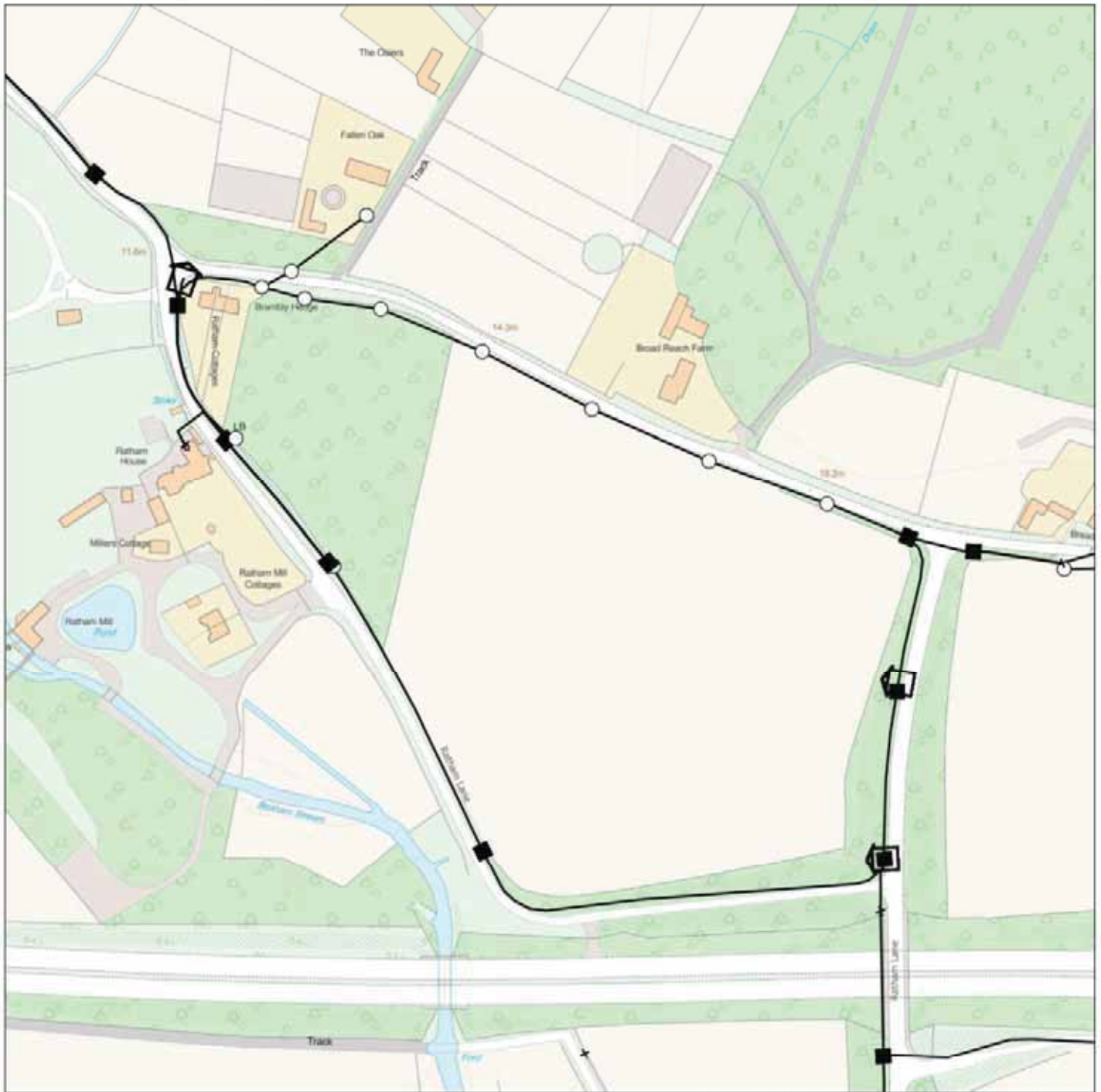
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	Planned	Live	Split Coupling	×	Built	
PCP			Duct Tee	▲	Planned	
Pole			Building	■	Inferred	
Box			Kiosk	Ⓚ	Duct	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
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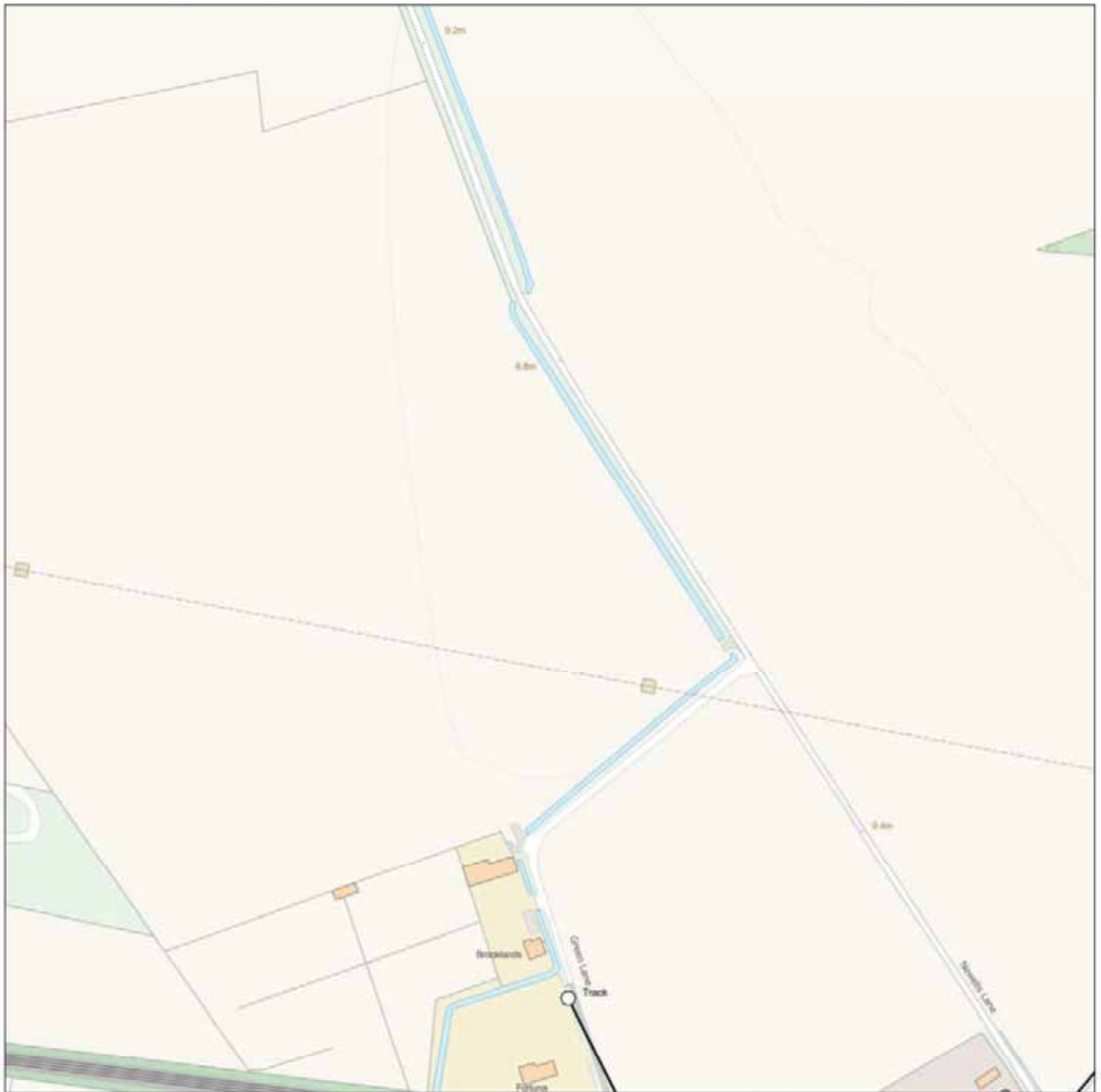
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	Planned	Live	Split Coupling	×	Built	
PCP			Duct Tee	▲	Planned	
Pole			Building	■	Inferred	
Box			Kiosk		Duct	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
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## KEY TO BT SYMBOLS

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	Planned	Live	Split Coupling	×	Built	
PCP			Duct Tee	▲	Planned	
Pole			Building	■	Inferred	
Box			Kiosk	Ⓚ	Duct	
Manhole			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.			
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Power Cable						
Power Duct				N/A		

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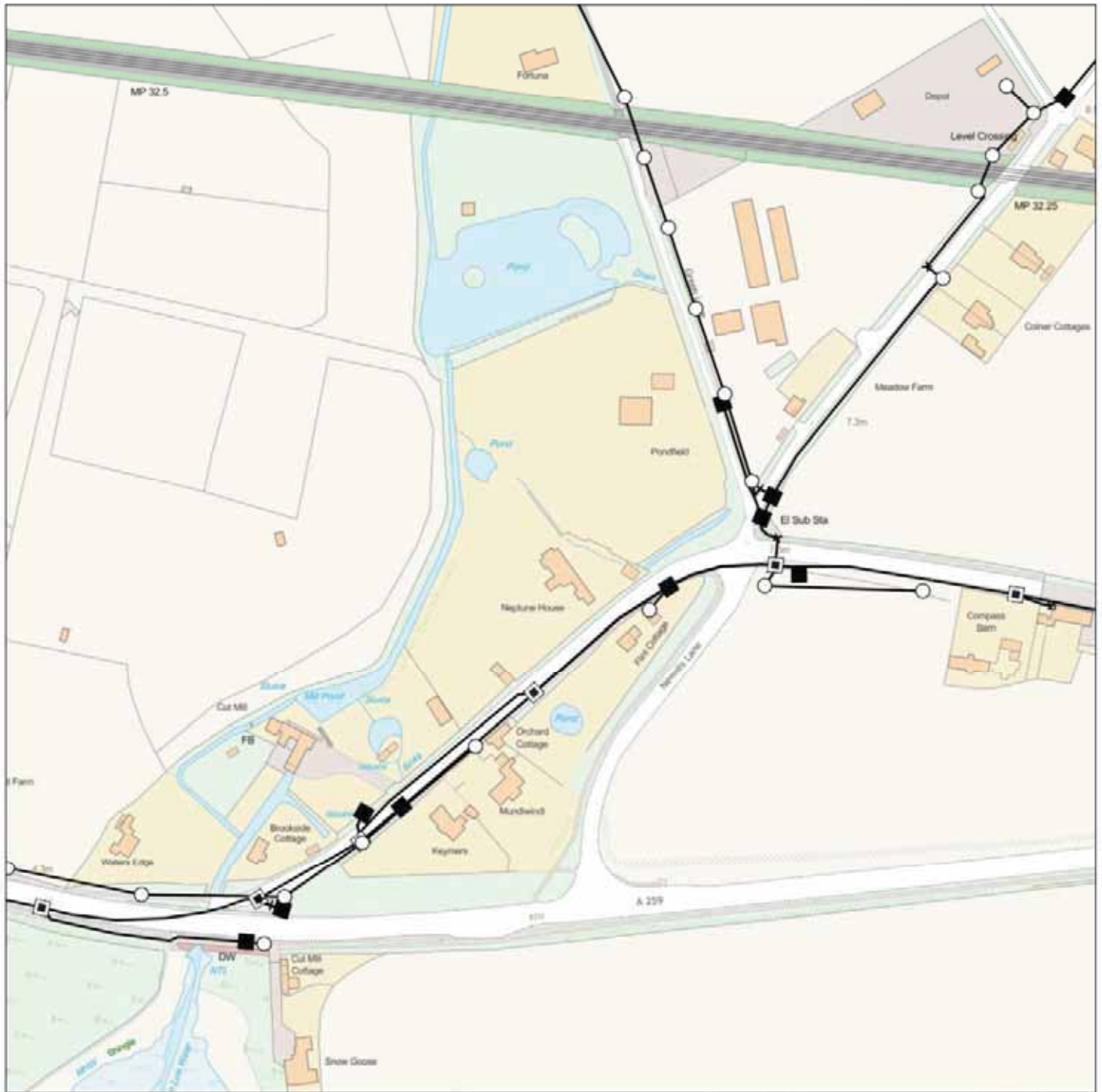
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	Planned	Live	Split Coupling	×	Built	
PCP			Duct Tee	▲	Planned	
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Box			Kiosk		Duct	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing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

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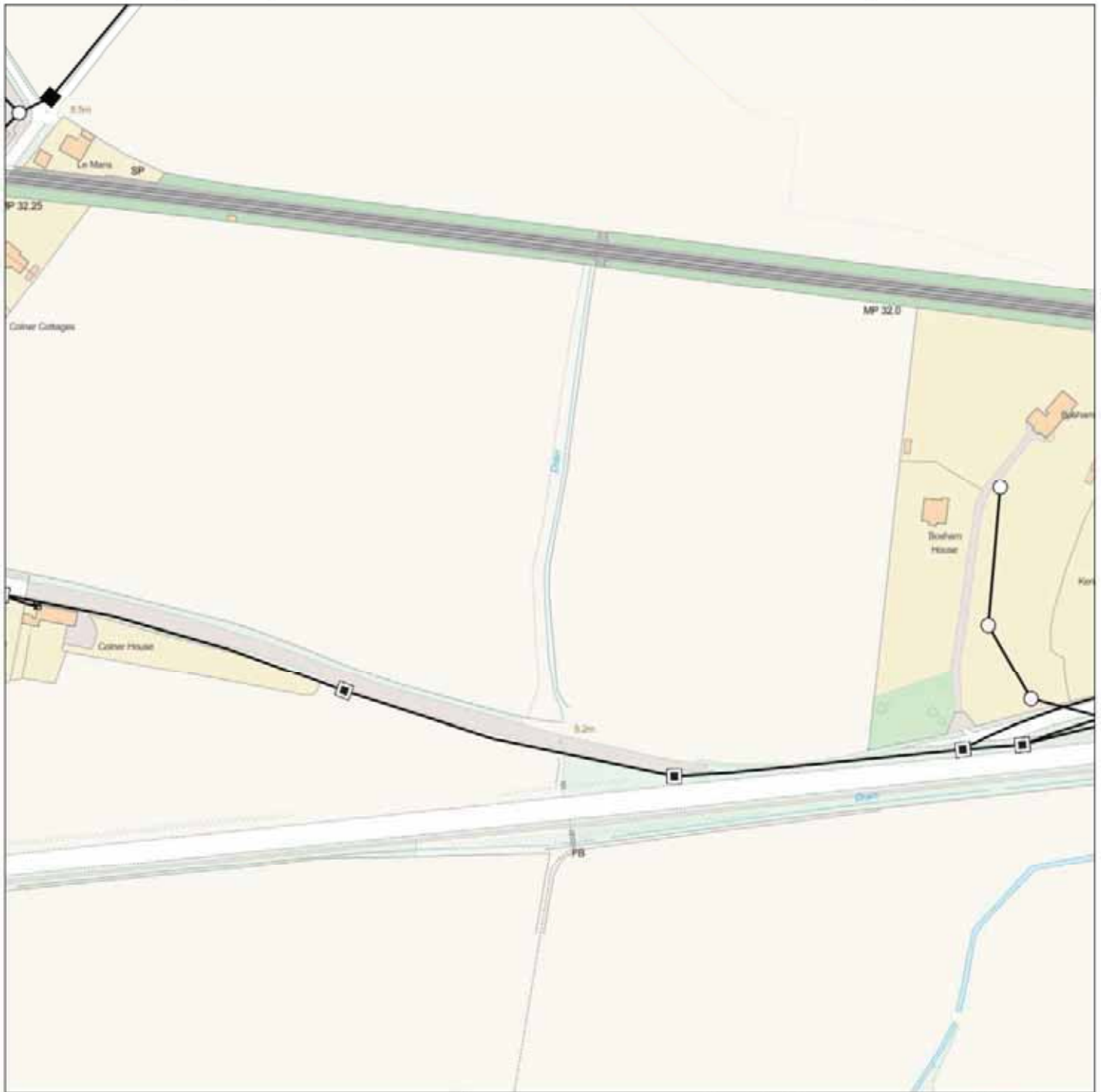
Easting/Northing : (centre) 479965,105410

Issued : 22/01/2019 07:41:36

**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](mailto:nnhc@openreach.co.uk)**



# Maps by email Plant Information Reply



## IMPORTANT WARNING

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

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



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

email [cbyd@openreach.co.uk](mailto:cbyd@openreach.co.uk)

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

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## KEY TO BT SYMBOLS

			Change Of State	+	Hatchings	
	Planned	Live	Split Coupling	×	Built	
PCP			Duct Tee	▲	Planned	
Pole			Building	■	Inferred	
Box			Kiosk		Duct	
Manhole			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.			
Cabinet						
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : JCW07417Y

Map Reference : (centre) SU8043005410

Easting/Northing : (centre) 480430,105410

Issued : 22/01/2019 07:41:47

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### KEY TO BT SYMBOLS

			Change Of State	+	Hatchings	
	Planned	Live	Split Coupling	×	Built	
PCP			Duct Tee	▲	Planned	
Pole			Building	■	Inferred	
Box			Kiosk		Duct	
Manhole			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.			
Cabinet						
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : RZZ07413H

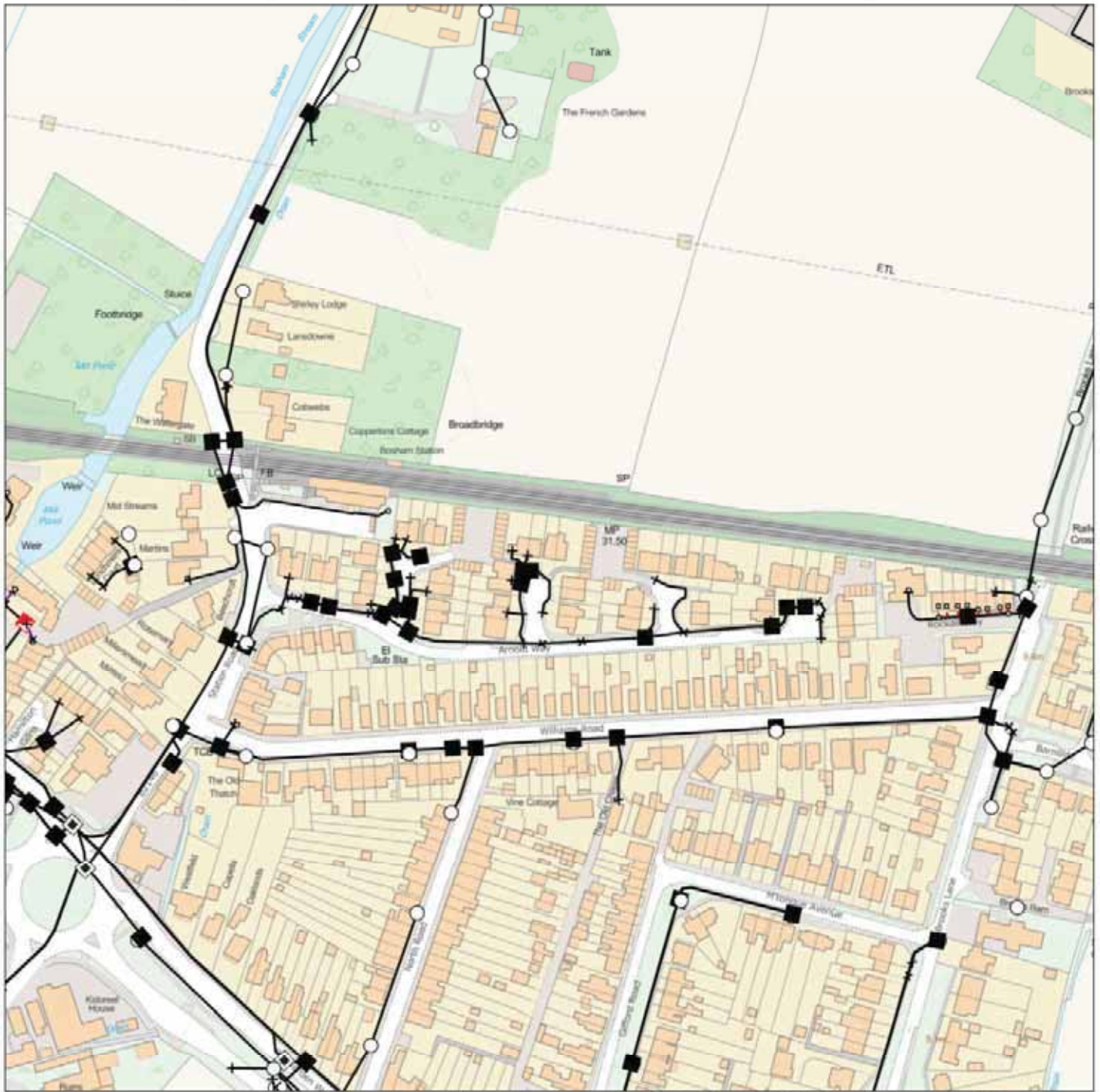
Map Reference : (centre) SU8089405410

Easting/Northing : (centre) 480894,105410

Issued : 22/01/2019 07:41:47

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## KEY TO BT SYMBOLS

		Change Of State	+	Hatchings	
	Planned	Live	×	Built	
PCP			▲	Planned	
Pole			■	Inferred	
Box			Ⓚ	Duct	
Manhole			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.		
Cabinet					
	Pending Add	In Place	Pending Remove	Not In Use	
Power Cable					
Power Duct				N/A	

BT Ref : DHO07412W

Map Reference : (centre) SU8135905410

Easting/Northing : (centre) 481359,105410

Issued : 22/01/2019 07:41:48

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