

Utilities Search Report



Tuesday, 28 Sep 2021

Azimuth Land Surveys

7935B IAP

Ysgol Uwchradd Gatholig Illtud

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353

Table of contents:

Utility / Service	Included	Utility / Service	Included
Basic Search		Independent Utilities	
Gas	Yes	GTC	Not Requested
Water	Yes	Last Mile	Not Requested
Sewers	Yes	SSE	Not Requested
BT	Yes	Harlaxton	Not Requested
Electricity	Yes	Utility Assets	Not Requested
3rd Party Searches*	Yes	UK Power Distribution	Not Requested
		Albion Water	Not Requested
Cable Search		ESP	Not Requested
Vodafone	Yes	Fulcrum Pipelines	Not Requested
Virgin Media	Yes	Energy Assets	Not Requested
BSkyB	Yes	ENGIE	Not Requested
GTT	Not Affected	Leep Utilities	Not Requested
Colt	Yes		
Sota	Not Affected		
CGI Logica	Yes	Others	
Neos Networks	Not Affected	CAD Pack	Not Requested
City Fibre	Yes	Smart pdf	Not Requested
Telia Sonera	Not Affected	Coal Authority Report	Not Requested
Instalcom**	Yes		
KCom	Not Affected		
Verizon	Yes		
Trafficmaster	Not Affected		
Zayo Group	Not Affected		
Tata Communications	Not Affected		
Gamma	Not Affected		
Gigaclear Plc	Not Affected		
*Includes Utilibilly and Linesearch			
**Includes Level3, GC(UK) Ltd, GC PEC, Fibrenet UK and Fibrespan			
NB: All plans / responses are valid for a maximum of three months unless noted otherwise			

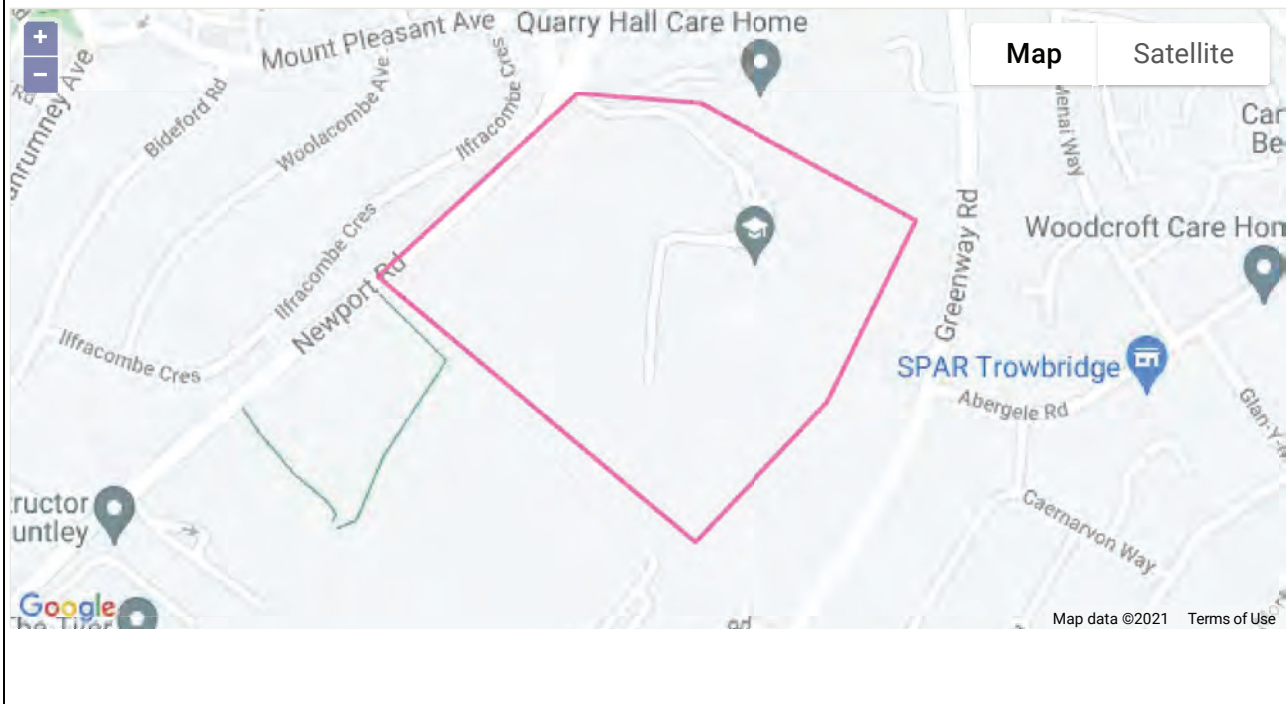
Order Summary

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353

Summary of your utility search details:

Site Name	Ysgol Uwchradd Gatholig Illtud	
Site Ref	7935B	
Address	Newport Rd, Rumney,, Cardiff, CF3 1XQ	
Postcode	CF3 1XQ	
Grid Ref	E 322679	N 180434

Area Covered



Options Selected		Options Selected	
Gas	✓	Independent utilities search - inc non-chargeable searches	X
Water	✓	Harlaxton	X
Sewer	✓	UK Power Distribution	X
Electric	✓		
BT	✓	Coal Authority search	X
3rd Party searches	✓		
		Other Options	
Cable / Fibre searches inc non-chargeable searches	✓	Plans by post	X
Virgin Media	✓	CAD Pack	X
Vodafone	✓	CAD OS mapping	X
		Smart pdf	X
		Instant Access Plans	✓

GAS

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353

**Company Address**

Wales and West Utilities Ltd,
Wales and West House,
Spooner Close, Celtic,
Springs, Coedkernew,
Newport, NP10 8FZ

Our Ref: 23251575 7935B

Monday, 13 September 2021

Duncan Phillips
91 Market Street
Hoylake
Merseyside
CH47 5AA

Dear Duncan Phillips

Thank you for contacting us regarding Wales & West Utilities equipment at the above site.

I enclose an extract from our mains records of the area covered by your proposals together with a comprehensive list of General Conditions for your guidance. This information is given as a general guide and its accuracy cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc., are not shown but their presence should be anticipated.

No liability of any kind whatsoever is accepted by Wales and West Utilities (WWU), its agents or servants for any error or omission. Please note that all WWU equipment on site should be assumed to be LIVE until proven otherwise.

Safe digging practices, in accordance with HS(G)47, Avoiding Danger from underground services 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 this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. Safe working procedures should be defined and practiced.

WWU reserves its position completely to enforce the terms of any existing easement against the landowner, even if this results in any planning permission granted not being able to be fully implemented.

You must not build over any of our plant or enclose our apparatus.

Wales & West Utilities have no planning objections to these proposals, although it should be noted that Wales & West's apparatus is held pursuant to easements and it has other private law rights in relation to the use of the land in the vicinity of its apparatus. Wales & West's private law land rights are not material planning considerations and therefore no comment is made in relation to those rights and they have no impact on whether or not planning permission should be granted, or whether, if permission is granted, it can lawfully be implemented. It should also be noted that Wales & West's apparatus may be at risk during construction works and should the planning application be approved, then we require the promoter of these works to contact us directly to discuss our requirements in detail. Should diversion works be required these will be fully chargeable.

Where diversions to WWU apparatus are needed to allow change to occur on site, the cost of these alterations may be charged to the persons responsible for the works.

If you have requested a new connection the WWU connections team will where necessary prepare detailed proposals and provide a quotation for any necessary alterations and/or development of our equipment on the site.

If you require advice in connection with your proposals please contact the relevant number below.

Yours sincerely,

**Company Address**

Wales and West Utilities Ltd,
Wales and West House,
Spooner Close, Celtic,
Springs, Coedkernew,
Newport, NP10 8FZ

WWU Dig Team

Gas Emergency Number:

In an emergency call 0800 111 999, 24 hours a day.

Mapping Enquiries:

If you have an enquiry relating to this letter or the attached map plan, please contact us using the following information:

Telephone 02920 278912
Email dig@wwutilities.co.uk

General Enquiries:

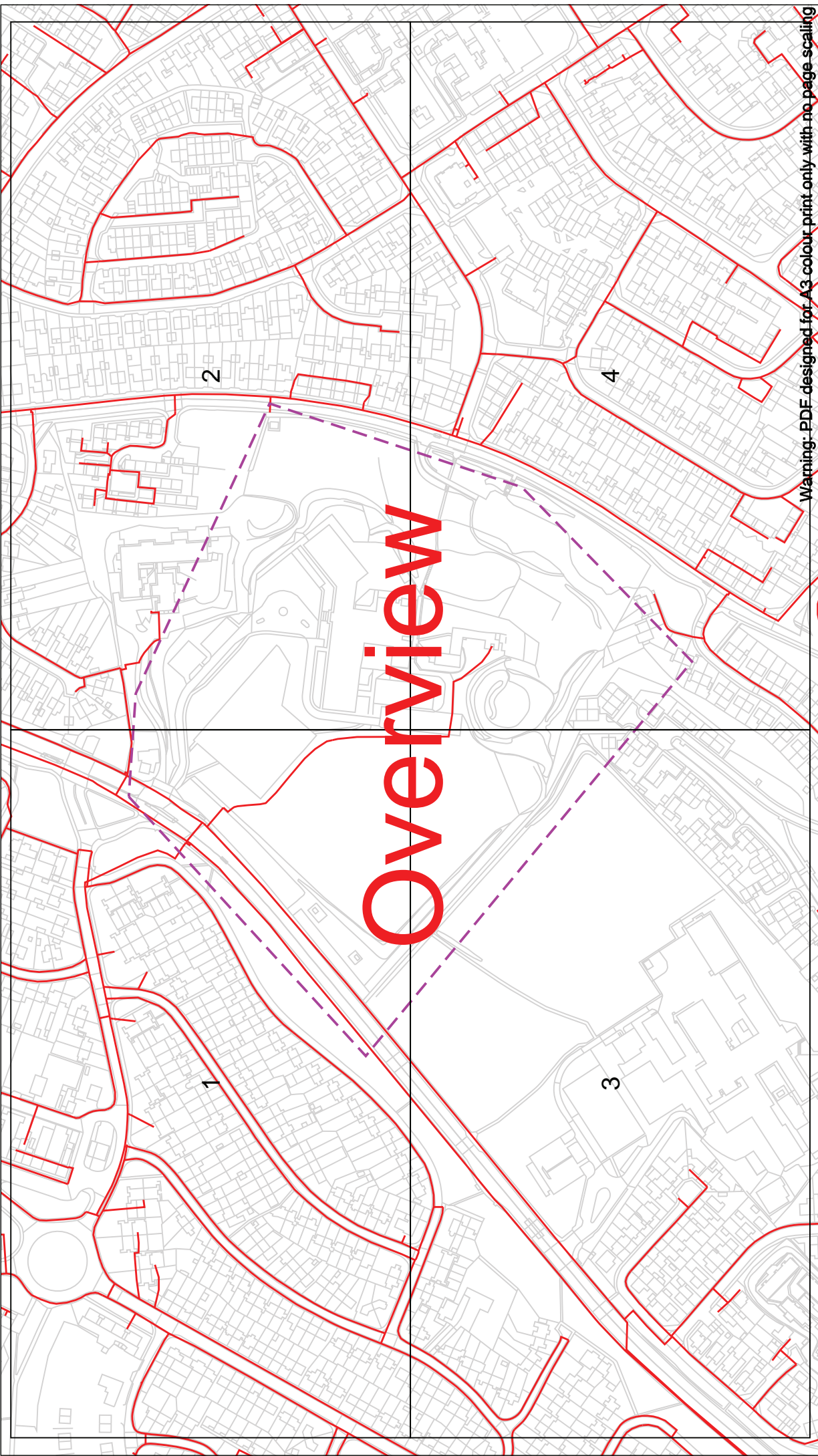
If you have a general enquiry, please call us on the following number

All areas 0800 912 29 99

LinesearchbeforeUdig:

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

Telephone 0845 437 7365
Email enquiries@linesearchbeforeudig.co.uk
Website www.linesearchbeforeudig.co.uk



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

Contact Us
 Reporting Incidents:
 General Enquiries:
 0800 111 999
 0800 912 2892

Date Requested: 13/09/2021
 Job Reference: 23251575
 Site Location: 322688 160394
 Requested by:
 Mr Duncan Phillips
 Your Scheme/Reference:
 7853B

Scale: 1:2563 (When plotted at A3)

IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed
- The plan only shows those pipes owned by Wales & West Utilities (WUU) as its role as a licensed Gas Transporter
- Service pipes, valves, siphons, stub connections etc. may not be shown but their presence should be anticipated
- You must use safe digging practice. In accordance with HSG147 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the WUU dig team on 02920 278312

In case of an emergency call 0800 111 999

	Dig Sites		Area: Line:		Line/Fire Valve Governor Station Change of Diameter End Cap Depth of cover
--	------------------	--	--------------------	--	---

WALES & WEST UTILITIES

Small gas? Call our Gas Emergency Service on 0800 111 999

Dial before you dig

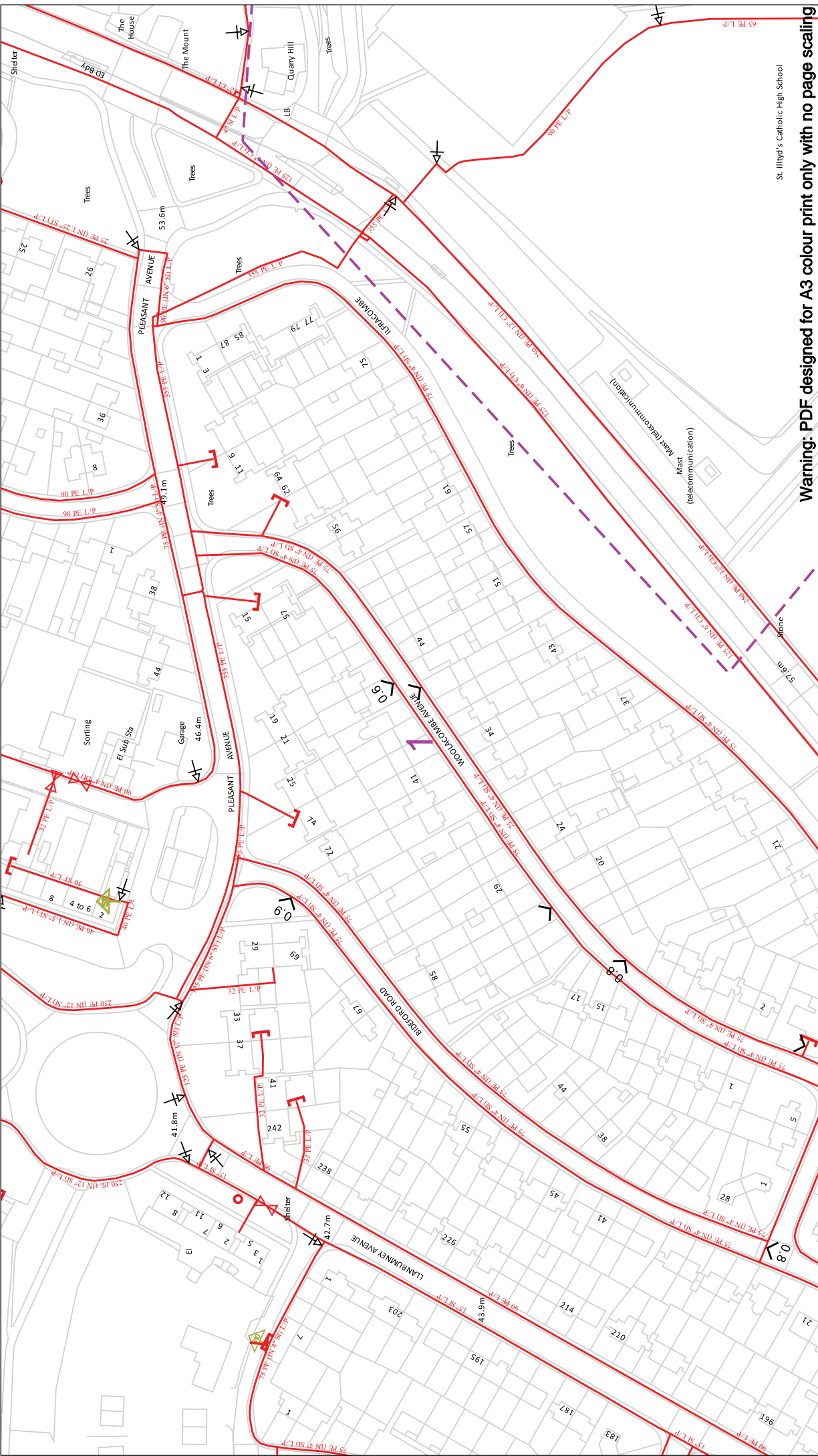
Call 029 2027 8912 when you start work

Investigate - investigate the location of pipes, valves and other apparatus

Go ahead - now you can dig safely

We need to know where you are digging

Know you start dig safely



St. Illtyd's Catholic High School

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

In case of an emergency call 0800 111 999



Small gas? Call our emergency service on 0800 111 999.

Dial before you dig Call 029 2027 8912 when you start work. Investigate your dig site. We'll help you dig safely. Go ahead. Now you start dig safely.

Dig Sites

Line: --- --- --- --- ---

Area: --- --- --- --- ---

100m

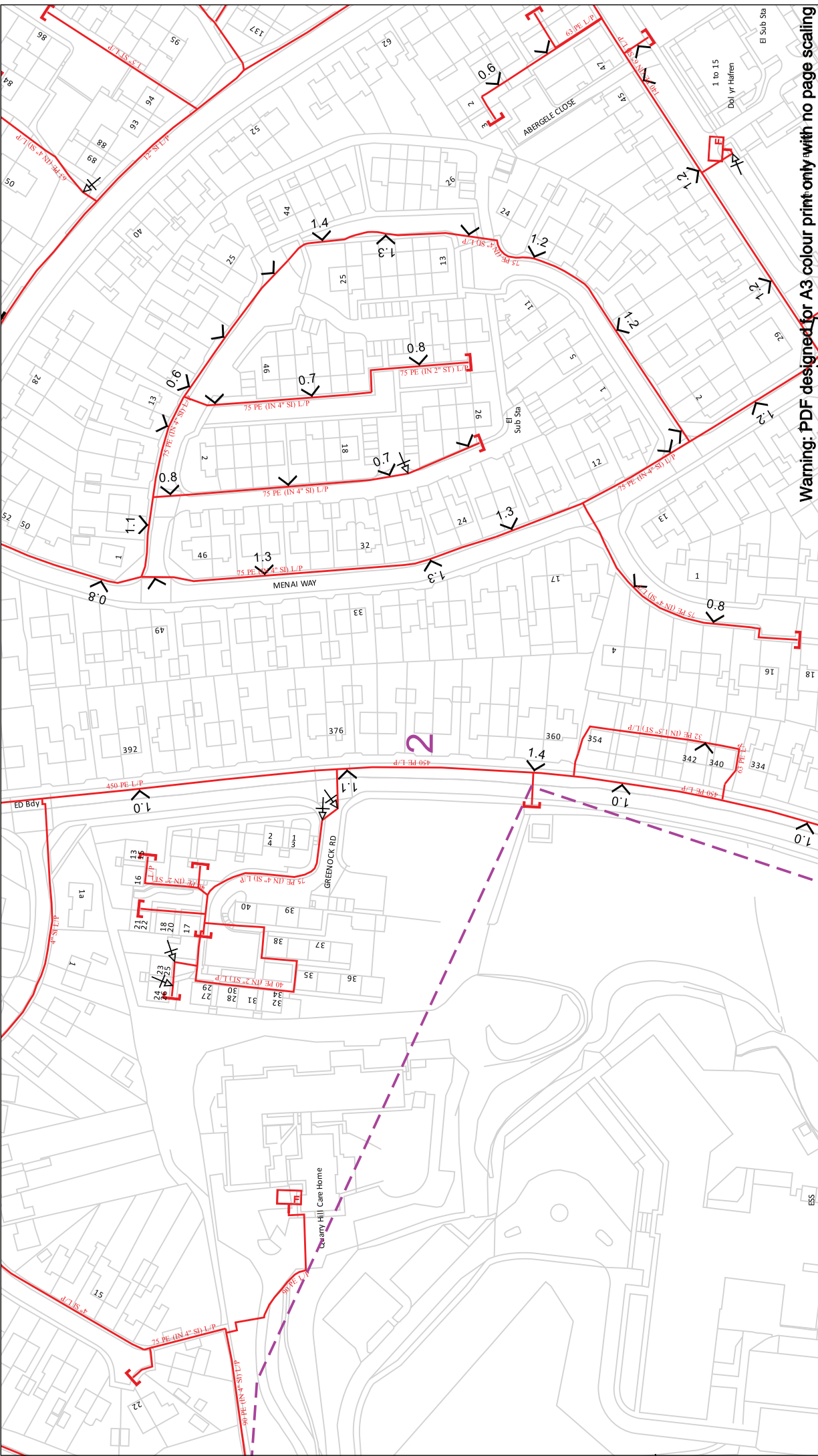
Line/Flare Valve
Governor Station
Change of Diameter
End Cap
Depth of cover

Low Pressure (LP) 2'Imbar - 75mbar
Medium Pressure (MP) 350mbar - 2bar
Intermediate Pressure (IP) 2bar - 7bar
High Pressure (HP) >7bar

IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed
- The plan only shows those pipes owned by Wales & West Utilities (WUWU) as its role as a licensed Gas Transporter
- Service pipes, valves, siphons, stub connections etc. may not be shown but their presence should be anticipated
- You must use safe digging practice in accordance with H5(GM7) to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the WUWU dig team on 02920 278932

Contact Us: 0800 111 999
 Requested by: Mr Duncan Phillips
 Your Scheme/Reference: 79355B
 Date Requested: 13/09/2021
 Job Reference: 23251575
 Site Location: 322688 160394
 Scale: 1:1250 (When plotted at A3)



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

WALES & WEST UTILITIES

Small gas? Call our Emergency Service on 0800 111 999

Call 029 2027 8912 before you dig

Investigate your dig site

Go ahead

We need to make sure you dig safely

Now you can dig safely

In case of an emergency call 0800 111 999

100m

Dig Sites

- Area: - - - - -
- Line: - - - - -
- Low Pressure (LP) 21mbar - 75mbar
- Medium Pressure (MP) 350mbar - 7bar
- Intermediate Pressure (IP) 2bar - 7bar
- High Pressure (HP) >7bar

Line/Valve

- Line/Valve
- Governor Station
- Change of Diameter
- End Cap
- Depth of cover

IMPORTANT NOTICES

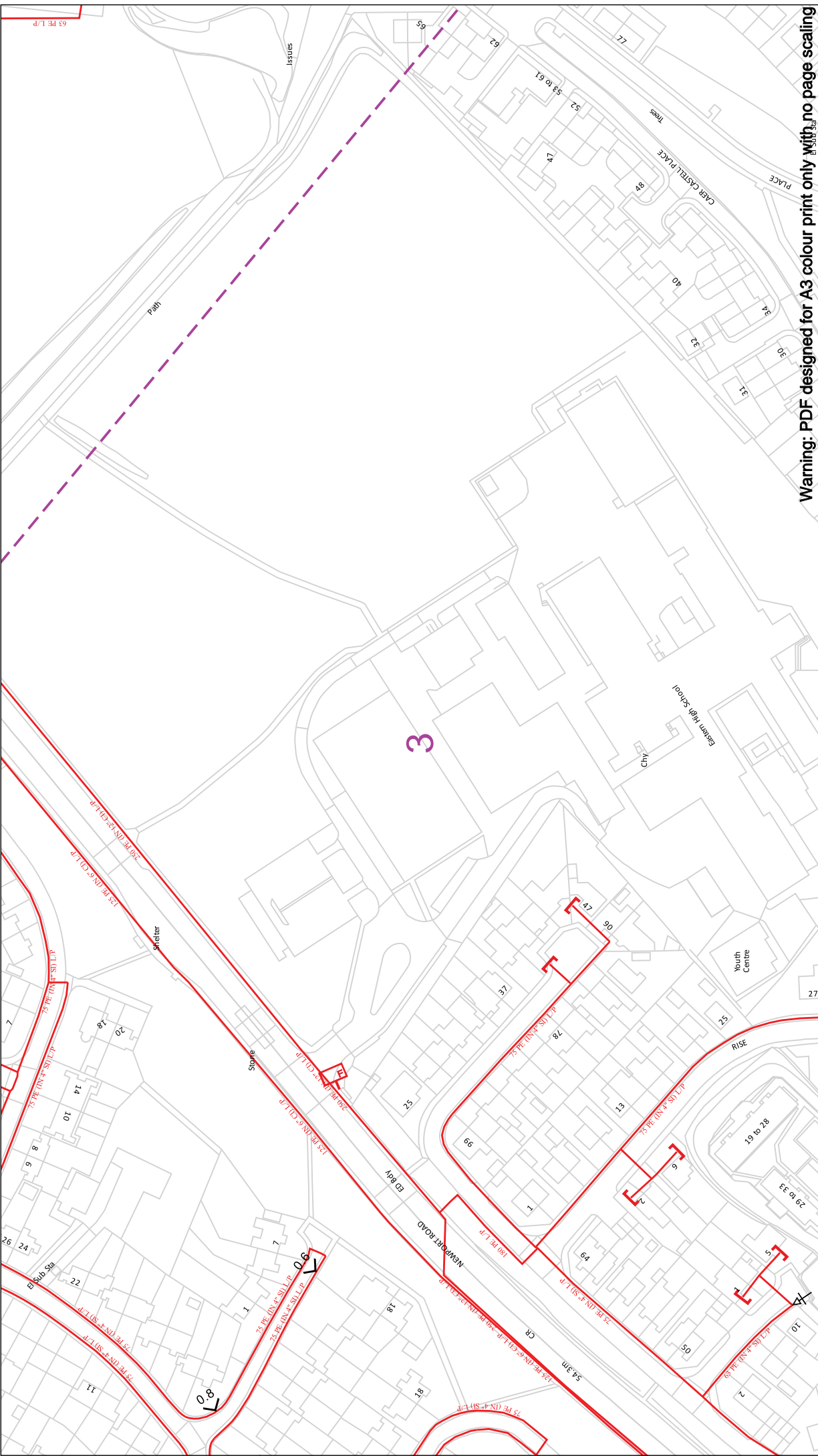
- This information is given as a guide only and its accuracy cannot be guaranteed
- The plan only shows those pipes owned by Wales & West Utilities (WUU) as its role as a licensed Gas Transporter
- Service pipes, valves, syphons, stub connections etc. may not be shown but their presence should be anticipated
- You must use safe digging practice in accordance with HSG147 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the WUU dig team on 02920 278932

Contact Us
 Mailing Enquiries: 0800 111 912
 General Enquiries: 0800 912 999

Date Requested: 13/09/2021
 Job Reference: 23251575
 Site Location: 322688 160394
 Requested by: Mr Duncan Phillips
 Your Scheme/Reference: 79355B

Scale: 1:1250 (When plotted at A3)

Crown Copyright © - Reproduced by permission of Ordnance Survey on behalf of HMSO. And database right 2020. All rights reserved. Ordnance Survey Licence number 0100044308.



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

WALES & WEST UTILITIES

Dial before you dig

Investigate your dig area before you start digging. We need to know what's underground so we can mark it out for you. Call 029 2027 8912 or 0800 111 999.

Small gas? Call 029 2027 8912 or 0800 111 999.

Go ahead Now you start digging safely.

In case of an emergency call 0800 111 999

Dig Sites

- Area: --- --- --- ---
- Line: --- --- --- ---
- Low Pressure (LP) 21mbar - 75mbar
- Medium Pressure (MP) 350mbar - 2bar
- Intermediate Pressure (IP) 2bar - 7bar
- High Pressure (HP) >7bar

Line/Fire Valve

Governor Station

Change of Diameter

End Cap

Depth of cover

100m

IMPORTANT NOTICES

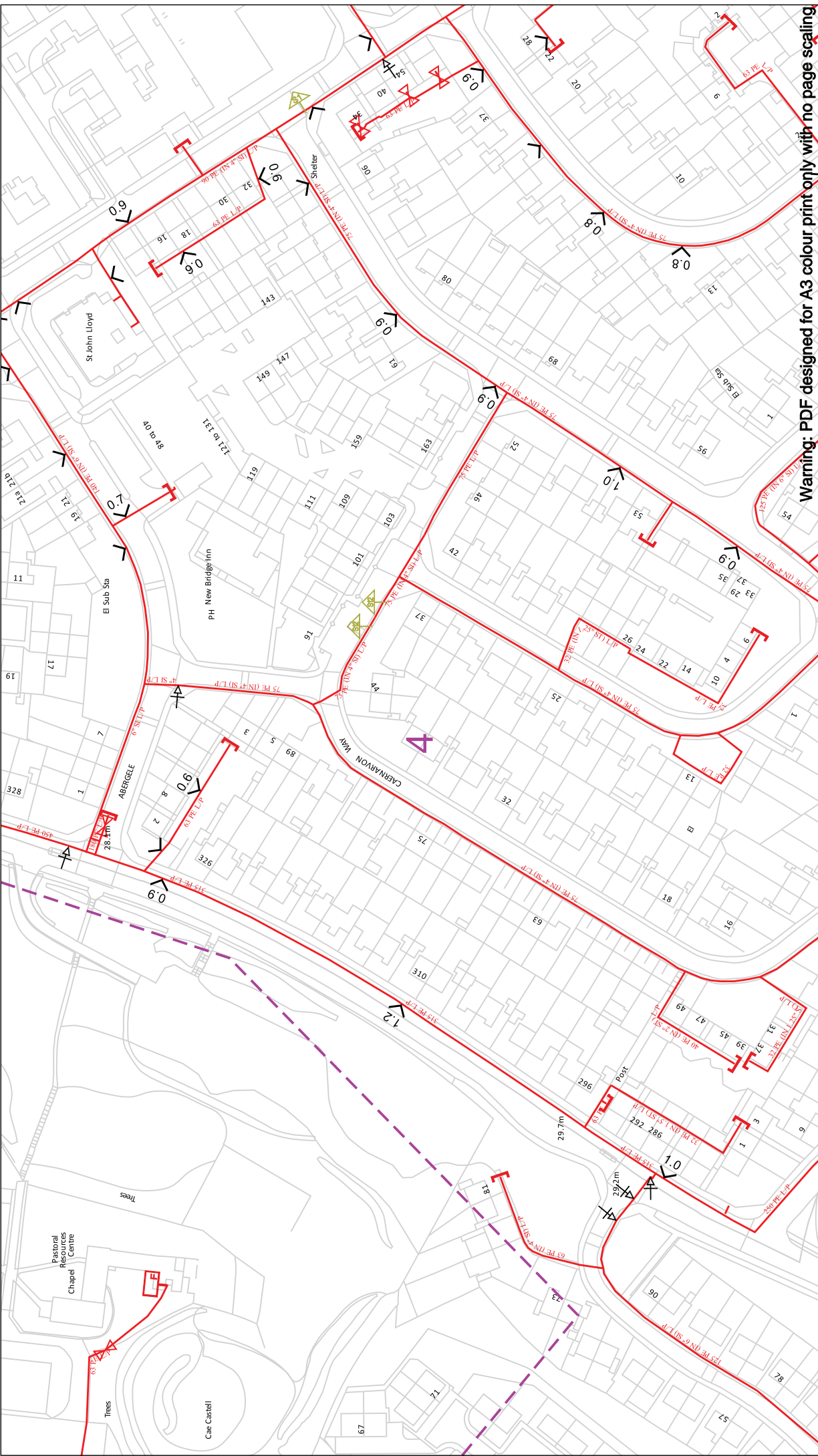
- This information is given as a guide only and its accuracy cannot be guaranteed
- The plan only shows those pipes owned by Wales & West Utilities (WUU) as its role as a licensed Gas Transporter
- Service pipes, valves, siphons, stub connections etc. may not be shown but their presence should be anticipated
- You must use safe digging practices in accordance with HSG147 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the WUU dig team on 02920 278312

Contact Us
 Mailing Enquiries: 0800 111 999
 General Enquiries: 0800 912 2999

Date Requested: 13/09/2021
Job Reference: 23251575
Site Location: 322688 160394
Requested by: Mr Duncan Phillips
Your Scheme/Reference: 79355B

Scale: 1:1250 (When plotted at A3)

Crown Copyright © - Reproduced by permission of Ordnance Survey on behalf of HMSO. And database right 2020. All rights reserved. Ordnance Survey Licence number 0100044308.



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

WALLES & WEST UTILITIES

Dial before you dig

Investigate your dig site before you start work. We need to make sure you don't dig into any of our pipes. Call ahead. Now you start dig safely.

Small gas? Call on our emergency Service on 0800 111 999.

Call 029 2027 8912 when you start work. Investigate your dig site before you start work. We need to make sure you don't dig into any of our pipes. Call ahead. Now you start dig safely.

In case of an emergency call 0800 111 999

Dig Sites

- Line: --- Low Pressure (LP) 21mbar – 75mbar
- Line: -.-.- Medium Pressure (MP) 350mbar – 2bar
- Line: Intermediate Pressure (IP) 2bar – 7bar
- Line: -.-.-.-.- High Pressure (HP) >7bar

Area: ---

- Line: --- Line Valve
- Line: --- Governor Station
- Line: --- Change of Diameter
- Line: --- End Cap
- Line: --- Depth of cover

100m

IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed
- The plan only shows those pipes owned by Wales & West Utilities (WUU) as its role as a licensed Gas Transporter
- Service pipes, valves, siphons, stub connections etc. may not be shown but their presence should be anticipated
- You must use safe digging practice in accordance with HSG47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used
- It is your responsibility to ensure this information is provided to all persons working near our plant
- If in doubt call the WUU dig team on 02920 278312

Contact Us
 0800 111 912
 0800 912 999

Date Requested: 13/09/2021
 Job Reference: 23251575
 Site Location: 322688 160394
 Requested by:
 Mr Duncan Phillips
 Your Scheme/Reference: 79355B

Scale: 1:1250 (When plotted at A3)

Crown Copyright © - Reproduced by permission of Ordnance Survey on behalf of HMISO. And database right 2020. All rights reserved. Ordnance Survey Licence number 0100044308.

Wales & West Utilities Limited

General Conditions to be observed for the Protection of Apparatus and the Prevention of Disruption to Gas Supplies.

General conditions affecting the design, construction or maintenance of services and/or structures or other works in the vicinity of Wales & West Utilities (WWU) plant, pipelines and associated installations:

These general conditions apply only to the gas apparatus and pipes operated by WWU. It is possible that there may be other gas transporters with apparatus in the vicinity, therefore you should ensure that you have made enquiries of them and have complied with their requirements.

1. GRAPHIC REPRESENTATION OF GAS MAINS

Any plans supplied or marked up by WWU will indicate the **APPROXIMATE** location of its apparatus. This information is provided as a general guide only; its accuracy cannot be guaranteed and is given without obligation or warranty. Service pipes are not shown but their presence should be anticipated. No liability whatsoever is accepted by WWU, its agents or servants for any error, omission, discrepancy or deviation. Plans on site should be current, i.e. no older than 28 days from the date of issue. Gas pipes owned by other Gas Transporters, or otherwise privately owned, may be present in this area (pink areas indicated on our plans). Information with regard to such pipes should be obtained from the relevant owners.

Should you require assistance on site locating WWU apparatus, please contact our Plant Protection Team on **02920 278912**.

2. METHODS OF WORKING

The following methods of work shall not normally be permitted within the limits of distance indicated (relative to the established pipe position). Any variances must have consent from WWU before works commence on site:

Mechanical Excavation	3m (1m for low pressure mains)	Hydraulic Testing	8 m
Piling / Pile removing / Boring	15m	Welding or other hot works*	15m
Directional Drill Operations	15m	Explosives	250m

* NOTE: Welding or other hot works involving naked flames shall be carried out at a safe distance to the satisfaction of a WWU Engineer. A check should be made prior to the commencement of works, to ensure a gas free atmosphere exists. It is also necessary to monitor the atmosphere at regular intervals for the duration of the works. In no case shall such activities take place in any Wales & West Utilities Easement without the written consent and in the presence of a WWU representative.

WWU must be consulted prior to carrying out any excavation work within **10m** of any above or below ground gas installations or pipeline. No excavation works may commence within **50m** of a High Pressure or Very High Pressure Pipeline unless the pipeline has been located by tracing and its precise route identified.

In addition to the above methods of working, WWU must be contacted prior to any External Wall Installation (EWI) schemes, proposed solar farms and wind turbine installations.

No work shall be undertaken near, nor heavy plant or equipment moved over, any gas pipeline or apparatus until all of the conditions specified by WWU have been complied with.

Where WWU have apparatus in the vicinity of your work, any damage to it could have serious consequences. In view of this and in the interests of safety, a meeting should be arranged before the commencement of work on site between WWU representatives, representatives of the promoting authority, the contractors and any other interested parties. At this meeting the suggested program of site works and plant safety should be discussed. It is essential that this meeting is convened well in advance of commencement on site. Access to WWU plant and facilities for inspection by WWU staff must not be affected. Where formal consent has been given, **A MINIMUM OF SEVEN DAYS NOTICE IS REQUIRED** before carrying out work in WWU easements, or the appropriate notice under the New Roads & Street Works Act (NRSWA) where existing plant is situated within the public highway.

Further guidance can also be sought from the document **HS(G)47 – Avoiding Danger from Underground Services** from the HSE website.

3. PROXIMITY OF OTHER PLANT

A minimum clearance of **600 millimetres (mm)** should be allowed between all plant being installed and an existing gas main operating above 2 bar medium pressure (MP), whether the adjacent plant is parallel to or crossing the gas pipe. For mains operating at MP or below, this distance can be reduced to 300mm. **NO APPARATUS SHOULD BE LAID OVER AND ALONG THE LINE OF A GAS PIPE, IRRESPECTIVE OF CLEARANCE.**

No manhole or chamber shall be built over or around a gas pipe and no work should be carried out which results in a reduction of cover or protection over a pipe without consultation with and the agreement of WWU staff.

4. PROTECTION

Where any works cross or run in close proximity to WWU apparatus, periodic visits must be made by a WWU engineer. His requests for protection or support to the apparatus shall be immediately observed.

Suitably designed crossing points are to be constructed to the satisfaction of a WWU Engineer. These crossing points shall be clearly indicated by the erection of bunting and crossings at other places should be prevented.

Backfill material adjacent to WWU apparatus shall be soft fill or sand, containing no stones, bricks, or lumps of concrete etc., placed to a minimum 150mm around the mains and is to be well compacted by hand. No power consolidation shall take place above the main until 300mm of soft fill has been compacted by hand.

Wales & West Utilities Limited

5. DAMAGE TO COATINGS

Where a gas pipe is coated with special wrapping and this is damaged, even to a minor extent, WWU must be notified so that repairs can be made to prevent future corrosion and subsequent leakage. **WHERE MINOR DAMAGE TO COATING IS REPORTED TO WWU PRIOR TO BACKFILL, THE NECESSARY REPAIR WILL BE MADE FREE OF CHARGE.**

6. CATHODIC PROTECTION

Where WWU apparatus is cathodically protected either by sacrificial anode or impressed current systems and where new apparatus is to be laid and is to be similarly protected, WWU will require to carry out interaction tests to determine whether its own system is adversely affected. The cost of any mutually agreed remedial action will be recharged to the authority installing the new apparatus. If any bond wires, test leads etc., used in connection with cathodic protection systems are damaged or found to be in poor condition, broken or disconnected, WWU must be notified prior to backfilling so that a repair can be made.

7. HOT WORKS

Even when a gas free atmosphere exists care must be taken when carrying out hot works in close proximity to gas plant in order to ensure that no damage occurs. Particular care must be taken to avoid damage by heat or naked flames to plastic gas pipes or to the protective coatings on other pipes.

8. DEMOLITION

Live gas services must be disconnected **PRIOR** to demolishing any property, arrangements must be made for WWU to check for the presence of any live gas services.

9. TREE PLANTING

WWU must be contacted prior to all tree-planting works above or near our apparatus. Further information can then be made available.

10. DEEP EXCAVATIONS

Any work involving deep excavations (1.5m or more) will be subject to the "Model Consultative Procedure for Pipeline Construction involving Deep Excavations". This may require the diversion of WWU apparatus prior to the commencement of your works. Detailed plans and cross sections will be required in order to determine the effect of these works on WWU apparatus.

11. RENEWABLE ENERGY INSTALLATIONS

Wind Turbines – WWU must be advised of any planned development of wind turbines in the vicinity of an above 2 bar gas pipelines to ensure the development does not impact on the future safe operation of the pipeline. Industry guidance states that any wind turbine must be sited no closer than 1.5 times the proposed height of the turbine mast away from the nearest edge of the pipeline.

Solar Farms – WWU must be contacted regarding planned solar farms being considered in the vicinity of WWU gas pipelines.

EWI – WWU must be contacted regarding any EWI scheme to ensure the scheme does not impact upon WWU's apparatus.

12. LEAKAGE FROM GAS MAINS OR SERVICES

If damage or leakage is caused or an escape of gas is smelt or suspected the following action should be taken at once:

- Remove all personnel from the immediate vicinity of the escape.
- Inform the 24hr Gas Emergency Service on **0800 111 999**
- Prevent any approach by the public, prohibit smoking, and extinguish all naked flames or other sources of ignition for at least 15 metres from the leakage. Do not operate any electrical switches in the vicinity of the escape.
- Assist gas personnel, Police and/or Fire Services as requested.

**IN THE EVENT OF A LEAK, OBSERVE THE ABOVE BUT DO NOT ATTEMPT TO SEAL THE LEAK
REMEMBER - IF IN DOUBT; SEEK ADVICE FROM WWU**

13. BUILDING PROXIMITIES

There are minimum proximity distances for buildings from WWU mains depending on both the operating pressure and the material of the main. Advice should be sought from WWU prior to building works taking place to confirm these distances. For High Pressure pipelines you must seek further guidance from the HSE and Local Authority Planning team regarding their PADHI distances regarding building proximities as these may be in addition to WWU proximity distances for a pipeline.

Temporary buildings should not be placed above any gas pipe or within 3.0 metres of mains operating above 75mbar (medium, intermediate and high pressure mains) during construction activities and in no circumstances should permanent structures be built over any pipe transporting gas.

14. SITE RESPONSIBILITIES

All costs incurred by WWU for the repair of direct or consequential damage to gas plant will be rechargeable (with the exception of paragraph 5). WWU reserves the right to divert any affected apparatus or alternatively specify suitable protection of its apparatus. If proved necessary during the course of site works, the cost of which will be chargeable.

The above requirements do not relieve you of the responsibility of taking all precautions necessary to safeguard the Company's plant and to avoid risk to persons and property. The persons for whom the works are being undertaken, their servants, agents and contractors shall indemnify WWU servants, agents and contractors against any loss, damage, expenses, claims and actions incurred or brought against Wales & West Utilities, its servants, agents and contractors in consequence of the provision of these works and activities associated therewith or ancillary thereto.

KEY TO MAPS

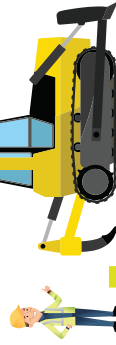
LP	Low Pressure	CI	Cast Iron
MP	Medium Pressure	SI	Spun Iron
IP	Intermediate Pressure	DI	Ductile Iron
HP	High Pressure	PE	Polyethylene
		ST	Steel



Every day, underground gas pipes get damaged by people digging without knowing what's below. This can be catastrophic. It might cause serious injury to you and others around you. The costs of repair, fines and fees can be huge. Your project will be delayed and your reputation damaged.

We have designed this leaflet to help you dig safely. And the first thing to do – long before you start work – is call us.

What's the number?
029 2027 8912



CARD POSITION (DO NOT PRINT)

We're here to
help



Need help or advice?

Call our Plant Protection team on
029 2027 8912
or email dig@www.utilities.co.uk



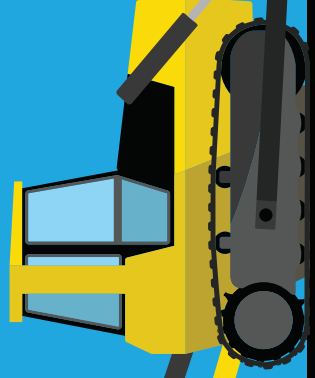
Smell gas?

Call the Gas Emergency Service on
0800 111 999.



Dial
before
you dig

We need
10 days'
notice



dig@www.utilities.co.uk

029 2027 8912

www.utilities.co.uk

[facebook.com/www.utilities](https://www.facebook.com/www.utilities)

@wwwUtilities



Dial
Investigate
Go ahead

YOUR GAS EMERGENCY
AND PIPELINE SERVICE



Can you DIG it?

We bring the gas to homes and businesses across Wales and the south west of England. We invest money, time and effort every year to make sure our pipelines are protected – but the biggest danger to our network is you.



D is for Dial

Digging can be dangerous. Hit a gas pipe and you might cause a gas leak, a fire or explosion.

So phone us first on **029 2027 8912** or email dig@wvutilities.co.uk

- You can find out where our pipes are.
- You need to give us 10 working days' notice before you start working.



I is for Investigate

It's the only way to stay safe

- Before you start work, you must get a copy of our up-to-date gas plans and General Conditions and keep them with you on site.
- Use our online mapping service to find the mains pipes under your land.
- Working near a medium-, or intermediate- or high-pressure gas pipe? You might need a site visit – call us so we can arrange it.
- Plan ahead – we need at least 10 days' notice for a site visit.
- You'll also need our publication 'SSW22 Safe working in the vicinity of high-pressure pipelines and associated installations'.
- Remember, you can't work on a Wales & West Utilities wayleave or easement (land which we have rights over to maintain our gas network) without written permission.
- And you can't work near or move heavy equipment over any gas pipeline until all our conditions have been met and we agree your method of working.
- Watch the video on our website to find out more.



G is for Go ahead

- Make sure you have our up-to-date gas plans on site.
- Need extra advice? Call our Plant Protection team on **029 2027 8912** or email dig@wvutilities.co.uk
- Use cable- and pipe-locating devices.
- Use safe digging practices, taking every precaution to avoid damaging gas pipes, damaging yourself and damaging your bank balance. You will be billed for any costs if something goes wrong.
- If in doubt, phone us again. We're happy to help.

We need **10 days'** notice



Smell gas?

Our Gas Emergency Service is on call 24 hours a day, seven days a week, 365 days a year.

If you cause a gas leak, or think the network might be leaking, call the Gas Emergency Service immediately on **0800 111 999**.

- Get everyone away from the leak.
- Ask everyone in nearby buildings to leave until we're sure it's safe.
- Put out all naked flames and other sources of ignition and make sure no one smokes within 15 metres of the leak.
- Don't try to fix the leak by filling the hole, as gas may enter buildings.
- Don't try to operate any valves.
- Don't let anyone go near the leak.
- Help our engineers, the police or fire services if they ask.

WATER & SEWER

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353



LEGEND

- clean network:
- Sluice valve
 - Step tap
 - Pressure reducing valve
 - Water Treatment Works
 - Meter
 - Water Pumping Station
 - Bulk meter
 - Existing main
 - Hydrant
 - Non-operational main
 - Cap end
 - Air valve

18. Water main symbols colour indicators

- Blue - Drink
- Green - Raw Water
- Yellow - Raw Water

Notes:

While every reasonable effort has been taken to correctly record the pipe materials of PVCU, cast iron, etc. there is a possibility that in some cases pipe material (other than Asbestos Cement or PVCU) may not be shown to be asbestos cement (AC) or plastic (PVCU). It is therefore advisable that the material of any AC or PVCU pipes be investigated and confirmed as part of any excavation prior to excavation.

Blue Cross of Wales (the Company) gives this information as to the best of its knowledge and belief. It is not intended to be used as a substitute for professional advice. The Company is not liable for any loss or damage arising from the use of this information. The Company is not liable for any loss or damage arising from the use of this information. The Company is not liable for any loss or damage arising from the use of this information. The Company is not liable for any loss or damage arising from the use of this information. The Company is not liable for any loss or damage arising from the use of this information.

EXACT LOCATIONS OF ALL APPARATUS TO BE DETERMINED ON SITE.

Reproduced by permission of the Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2017.
Ordnance Survey Licence number: 100019534

Map Ref: 322680, 180434
Map scale: 1:1250
Printed by: Eilan O'Donovan
Printed on: 27 Sep 2021





LEGEND/Representative of most common features)

Waste network:	
	Foul chamber
	Surface water chamber
	Combined sewer overflow
	Special purpose chamber
	Treatment works
	Outfall
	Lampole
	Storm Overflow
	Rising main
	Gravity sewer
	Private sewer
	Private sewer subject to S&T: S&T adaptation
	Pumping station
	Private Sewer Transfer
	Lateral Drain
	Inspection Chamber
	Private Sewer (S&T sewer) (for inspection purposes only)

Notes:

While every reasonable effort has been taken to ensure the accuracy of this information, there is a possibility that in some cases pipe material (other than asbestos cement or PVC-U) may be found to be asbestos cement (AC) or Fibre (PF). It is therefore advisable that the presence of AC or PF pipes be investigated and considered as part of any risk assessment prior to excavation.

Dŵr Cymru (Welsh Water) gives this information as the position of its underground apparatus by way of the information provided in this document. The information is provided for the purpose of enabling the user to be aware of the location of the apparatus in the vicinity of the company's apparatus. The information is provided in accordance with the requirements of Section 106 and 109 of the Water Industry Act 2006. The information is provided for the purpose of enabling the user to be aware of the location of the apparatus in the vicinity of the company's apparatus. The information is provided in accordance with the requirements of Section 106 and 109 of the Water Industry Act 2006. The information is provided for the purpose of enabling the user to be aware of the location of the apparatus in the vicinity of the company's apparatus. The information is provided in accordance with the requirements of Section 106 and 109 of the Water Industry Act 2006.

EXACT LOCATIONS OF ALL APPARATUS TO BE DETERMINED ON SITE.

Reproduced by permission of the Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2017.
Ordnance Survey Licence number: 100019534

Map Ref: 322680, 180434
Map scale: 1:1250
Printed by: Eian O'Donovan
Printed on: 27 Sep 2021



BT

Our Ref: Ref shown on map

email: nnhc@openreach.co.uk

Date of issue shown on map

Dear Customer,

NR & SW ACT 1991 – PROPOSED WORKS AT:

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

Email Dial before you dig CBYD@openreach.co.uk

Visit the website www.openreach.co.uk/cbyd

Thank you for your request of describing the above proposals.

Enclosed are copies of our drawing marked up to show the approximate locations of BT apparatus which is present in the immediate vicinity of your works. It 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 made near to British Telecommunications plc apparatus which may exist at various depths and may deviate from the marked route.

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

In the event of BT apparatus being in the area of works we recommend that your plant/vehicle crossing is either resited, or apply for a budget estimate by submitting detailed plans to the above address, these will be forwarded to the appropriate department for their comments.

Please ensure you quote our reference on any future correspondence.

Yours faithfully,

Openreach Plant Maps Requested

NewSite Office (addresses can be found on [the New Developments contact page](#))

Dear Sir/Madam,

You have downloaded copies of our drawings marked up to show the approximate location of Openreach apparatus, which is present in the immediate vicinity of your works. It 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 made near to Openreach apparatus, which may, exist at various depths and may deviate, from the marked route.

To avoid damage it is recommended that mechanical excavators or borers are not used within 600mm of Openreach plant. Please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by your plant. In the event of clearance not being adequate we anticipate that your plant is either resited, or an order is placed with Openreach for rearrangements of its plant. If there are any difficulties with the Map please email cbyd@openreach.co.uk

Please contact our Network Protection Service by Email on cbyd@openreach.co.uk giving four calendar weeks notice of your commencement date. This will provide you with on-site advice and a check of location for any Openreach apparatus.

Further to this, I hope the following points will assist you at the new development: -

Openreach has a licence obligation to provide service to any end customer requiring a connection. A Developer would not normally be charged for provision of service, our standard connection charges would apply to the end user when orders are placed with the communication provider of choice. However, should a Developer insist on an underground service in an area where Openreach plant is provided overhead, charges may be incurred.

When the Developer has obtained contract and planning permission Openreach would request a 'Clean', scaled Site Layout, Location Map and a covering letter be sent to the relevant newSite Office. We would particularly request that you give details of your programmed site start date and likely first occupancy date where possible. To obtain contact details of the newSite office covering the development area click on the URL below.

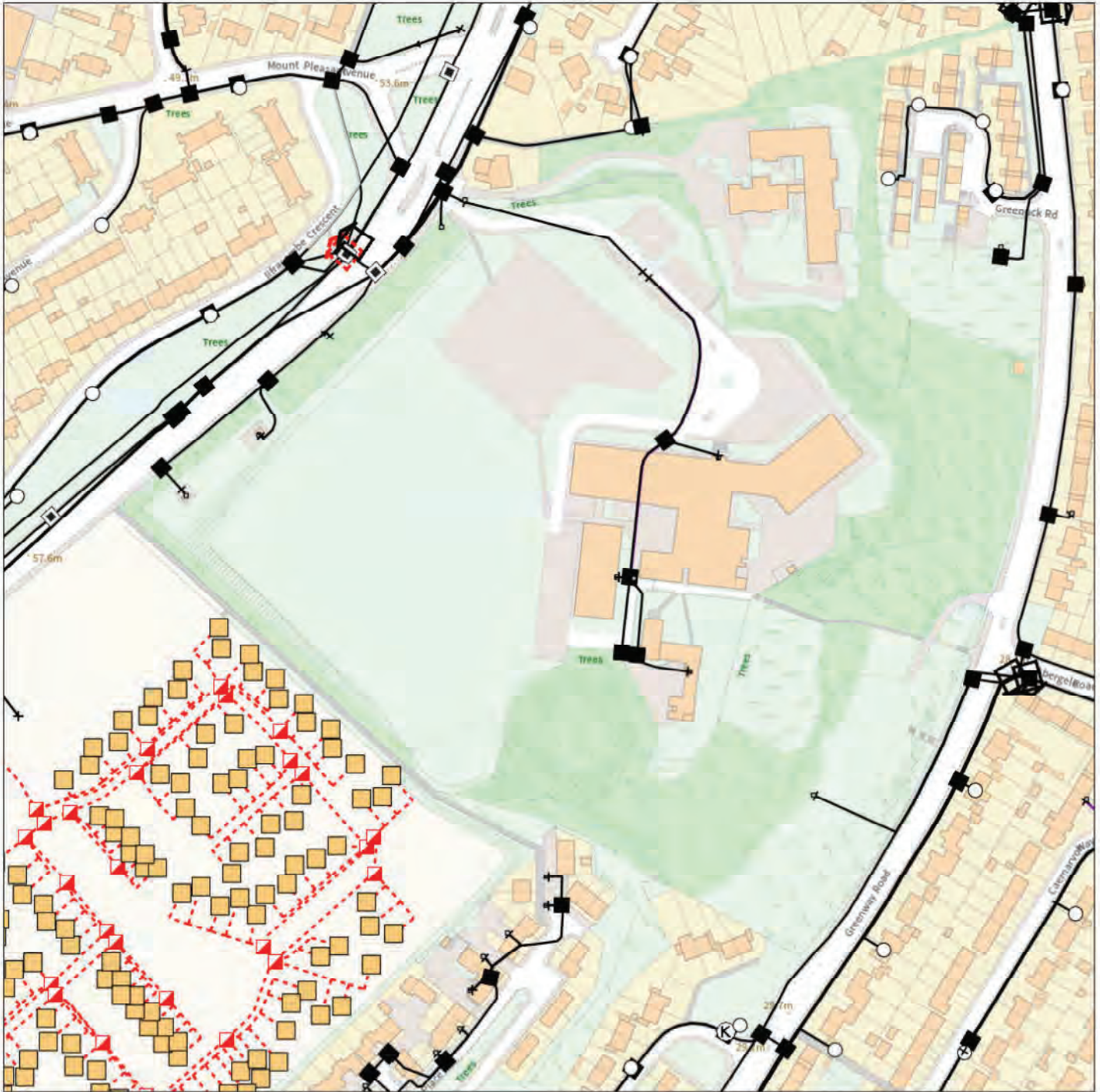
<http://www.newdevelopments-openreach.co.uk/ContactUs.aspx>

Where a development affects existing Openreach apparatus in the public highway, the cost of any necessary protection or diversionary works must be borne by the Developer. In this case where a budget estimate is required a Site Plan, Location Map and a covering letter should be forwarded to the Repayments Project Office. Please visit www.openreach.co.uk/alterationscontacts for contact details of the Repayments Office covering the development area.

Yours faithfully,

Openreach newSites

Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



openreach

CLICK BEFORE YOU DIG

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

email cbyd@openreach.co.uk

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

Accidents happen

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

KEY TO BT SYMBOLS		Change Of State	+	Hatchings	
	<i>Planned</i>	<i>Live</i>	×	Built	
PCP			★	Planned	
Pole			■	Inferred	
Box			Ⓚ	Duct	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded.		
Cabinet			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.		
	<i>Pending Add</i>	<i>In Place</i>	<i>Pending Remove</i>	<i>Not In Use</i>	
Power Cable					
Power Duct				N/A	

Reproduced from the Ordnance Survey map by BT by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office

(C) Crown Copyright British Telecommunications plc. 100028040

BT Ref : PGV04317B

Map Reference : (centre) ST2267980434

Easting/Northing : (centre) 322679,180434

Issued : 13/09/2021 16:31:19

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

ELECTRIC

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353

Our Ref: 23251575 Your Ref: 7935B

Monday, 13 September 2021

Duncan Phillips
91 Market Street
Hoylake
Merseyside
CH47 5AA

Western Power Distribution,
Mapping Centre
Toll End Road
Tipton
West Midlands
United Kingdom
DY4 0HH
www.westernpower.co.uk

Dear Duncan Phillips

Thank you for your enquiry dated Monday, 13 September 2021

I now enclose a copy of our plan showing existing Western Power Distribution (WPD) Electricity / WPD Surf Telecom apparatus in the vicinity of your proposed works. This information is given as a general guide only and its accuracy cannot be guaranteed. Please note that all WPD equipment on site should be assumed to be LIVE until WPD prove otherwise and provide you with confirmation to this effect in writing. Recent additions to our network, or service connections between the main cable and a building or street lamp may not be shown.

Map Response
T 0121 623 9780
WPDMapResponse
@westernpower.co.uk

LinesearchbeforeUdig
Help Desk 0845 437 7365

Damage to underground cables and contact with overhead lines can cause severe injury or may prove fatal. If you are excavating on site in the vicinity of either WPD Electrical apparatus or WPD Surf Telecom apparatus you must comply with the requirements of the following:-

Health & Safety Executive guidance HS(G)47, Avoiding Danger from underground services.

Work taking place in the vicinity of our plant is also regulated under the:-

Electricity at Work Regulations 1989, Health and Safety Act 1974, CDM Regulations 2015.

Safe working procedures should be defined and practiced

Please ensure that the use of mechanical excavators in the vicinity of our plant is kept to a minimum. WPD Surf Telecom ducts contain fibre cables, which are expensive to repair. Therefore, extreme care must be taken whilst working in the vicinity of these ducts, hand digging methods being used to determine their precise position.

If there are overhead lines crossing your site and your proposal involves building works which may infringe the clearance to our overhead system then you should call the relevant general enquiries number (see page 2 of this letter) for advice. Where overhead lines cross your site you must comply with the requirements of Health & Safety Executive guidance as laid down in GS6, Avoidance of Danger from Overhead Electric Lines.

Western Power Distribution PLC
South West - 02366894
South Wales - 02366985
East Midlands - 02366923
West Midlands - 03600574

Where diversions to WPD apparatus are needed to allow change to occur on site, the cost of these alterations may be charged to the persons responsible for the works.

If you require advice in connection with your proposals please contact the relevant general enquiries number (see page 2 of this letter)

Registered in
England and Wales

Following consultation the local Western Power Distribution team will where necessary prepare detailed proposals and provide a quotation for any necessary alterations and/or development of our equipment on the site.

Registered Office:
Avonbank
Feeder Road
Bristol
BS2 0TB

Yours sincerely
WPD Map Response Team

Contact Us

Emergency or Power Supply issues

In an emergency call 105, 24 hours a day.

Mapping Enquiries

If you have an enquiry relating to this letter or the attached map plan, please contact us using the following information:

Telephone 0121 623 9780
Email WPDMapResponse@westernpower.co.uk

General Enquiries

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

All areas 0800 096 3080

LinesearchbeforeUdig

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

Telephone 0845 437 7365
Email enquiries@linesearchbeforeudig.co.uk
Website www.linesearchbeforeudig.co.uk

Steps to help keep you safe

- **If you are working within 10 metres of our 33kV, 66kV, 132kV underground electricity cables or within 10 metres of an overhead electricity line you should call the relevant General Enquiries for free safety advice.**

Safety Documents – please download our informative safety documents to help ensure that you, your staff and the public are kept safe whilst working in the vicinity of electricity.

<https://www.westernpower.co.uk/customers-and-community/health-safety/public-safety-advice>

- **Make sure you have up to date plans** - remember that recent additions to our network or service connections between the main cable and a building or street lamp may not be shown.
- **Look for signs of service cables** - an electricity meter box or nearby streetlamp may give you an indication that service cables are present in your area of work.
- **Non WPD Network** - electricity cables, lines and equipment owned by others may also be present in addition to WPD network. They are unlikely to be shown on our plans.
- **Use a cable locator** - trace electricity cables and mark the position of them using paint or other waterproof marking on the ground.
- **Hand dig trial holes** - to confirm the position of cables in close proximity to your area of your work and use spades and shovels rather than picks, pins or forks.
- **Have an emergency plan** - so that everyone working on site understands what to do in the event of an underground electricity cable being damaged or contact being made with an overhead electricity line.
- **If you are working within 10 metres** of an overhead electricity line then it may be necessary for you to erect warning signs and markers, or height restriction goal posts. Ensure that you comply with the requirements of Health & Safety Executive guidance laid down in GS6, Avoidance of Danger from Overhead Electric Lines.
- **If you are erecting a structure** that could allow anyone standing on it, or its access device (ladder, scaffold, MEWP), to come within 3m of any overhead electric line then **you must inform us**. This is your duty and a legal requirement under the Electricity Safety, Quality & Continuity Regulations 2002.
- **If you cannot work safely** around the underground electricity cable or overhead electricity line, then you may need to get it moved to allow your works to go ahead. Call the general enquiry numbers above for guidance.
- **It is possible that cables or pipes may be embedded in concrete** - electricity cables embedded in concrete MUST be made 'dead' by Western Power Distribution or the cable owner before the concrete is broken out. Alternatively, another safe way of working should be agreed.

Cables are sometimes covered by tiles or a marker tape - these can be concrete, polythene or earthenware and are a useful early warning of the presence of cables; you should avoid disturbing any tiles or tape to expose the cable. Not all cables have these warning indicators.

Contact Us

Mapping Enquiries: 0121 623 9780
All areas

General Enquiries: 0800 096 3080
All areas

**Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 6783 105**

Date Requested: 13/09/2021

Job Reference: 23251575

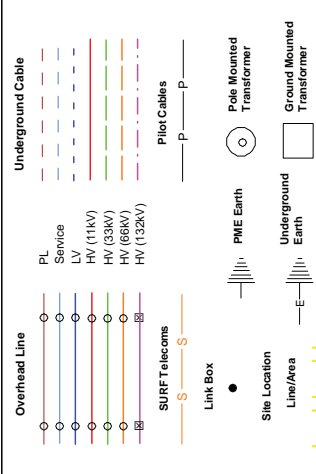
Site Location: 322677.180418

Requested by: Mr Duncan Phillips

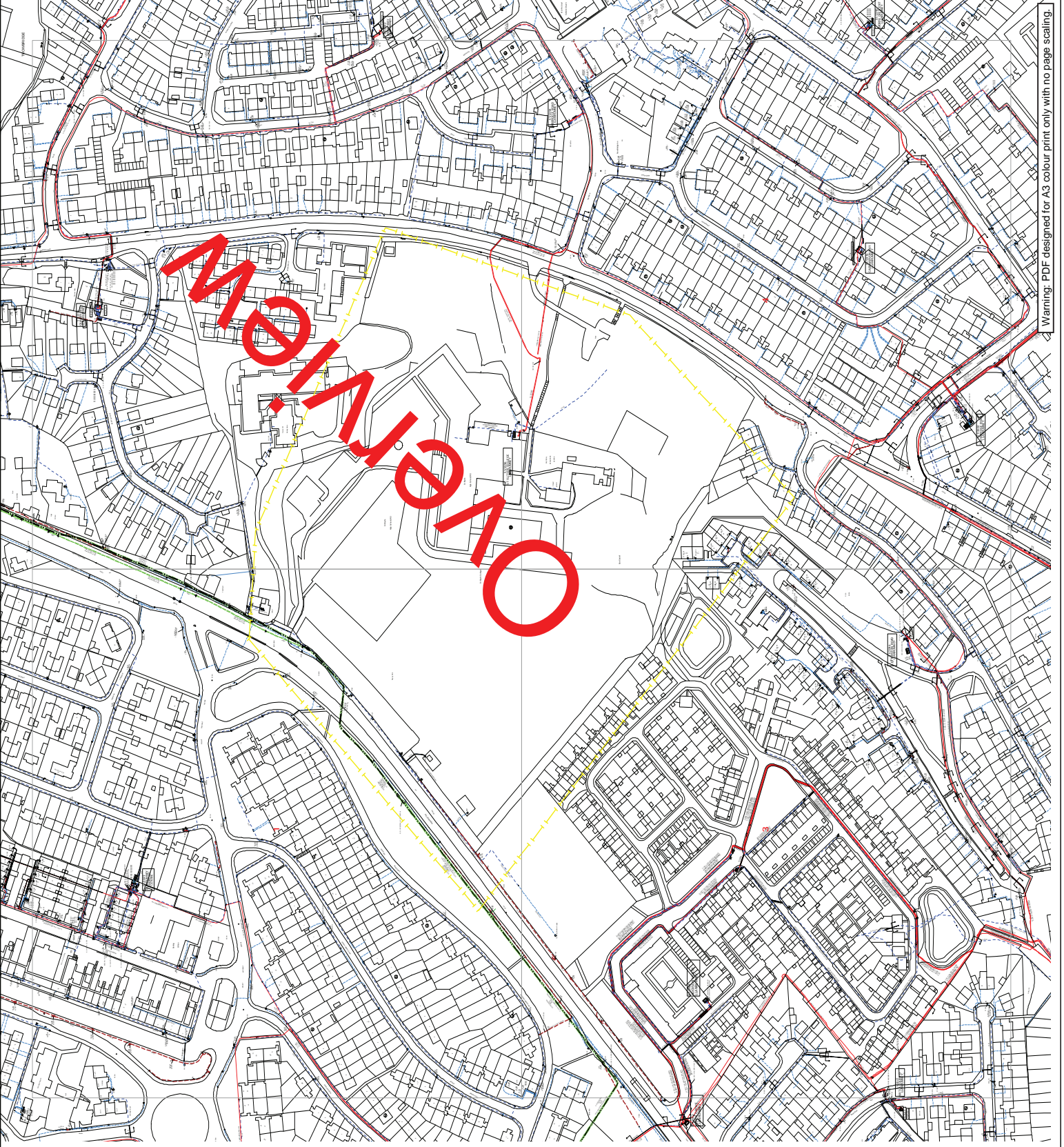
Your Scheme/Reference: 7935B

IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed. Services or recent additions to the network may not be shown.
- Cables, overhead lines & substations owned by other electricity network owners or private companies may be present and may not be shown.
- You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47.
- When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.
- For further advice on working near our electricity cables or lines, call our Contact Centre on 0800 096 3080.
- Advice should be sought from the Western Power Distribution Contact Centre for any work that is to take place in proximity to 66kV or 132kV underground cables and 66kV 132kV overhead lines – 0800 096 3080



Crown Copyright © All Rights Reserved. Ordnance Survey Licence numbers: 100022488, 100024877 & 100021807.
 WPD Copyright: This copy has been made by or with the authority of Western Power Distribution (WPD) pursuant to Section 47 of the Copyright Designs and Patents Act 1988 unless that Act provides a relevant exception to copyright the copy must not be copied without the prior permission of the copyright owner



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

Contact Us

Mapping Enquiries: 0121 623 9780
All areas

General Enquiries: 0800 096 3080
All areas

**Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 6783 105**

Date Requested: 13/09/2021

Job Reference: 23251575

Site Location: 322677 180418

Requested by: Mr Duncan Phillips

Your Scheme/Reference: 7935B

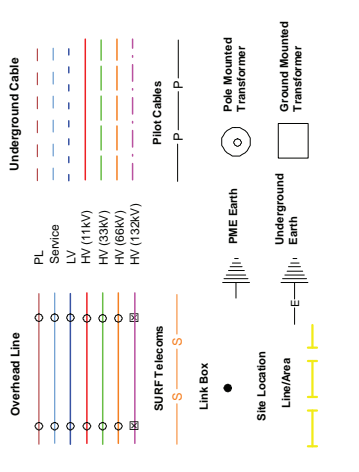
Exact Scales:

1:1250 Area or Circle dig site

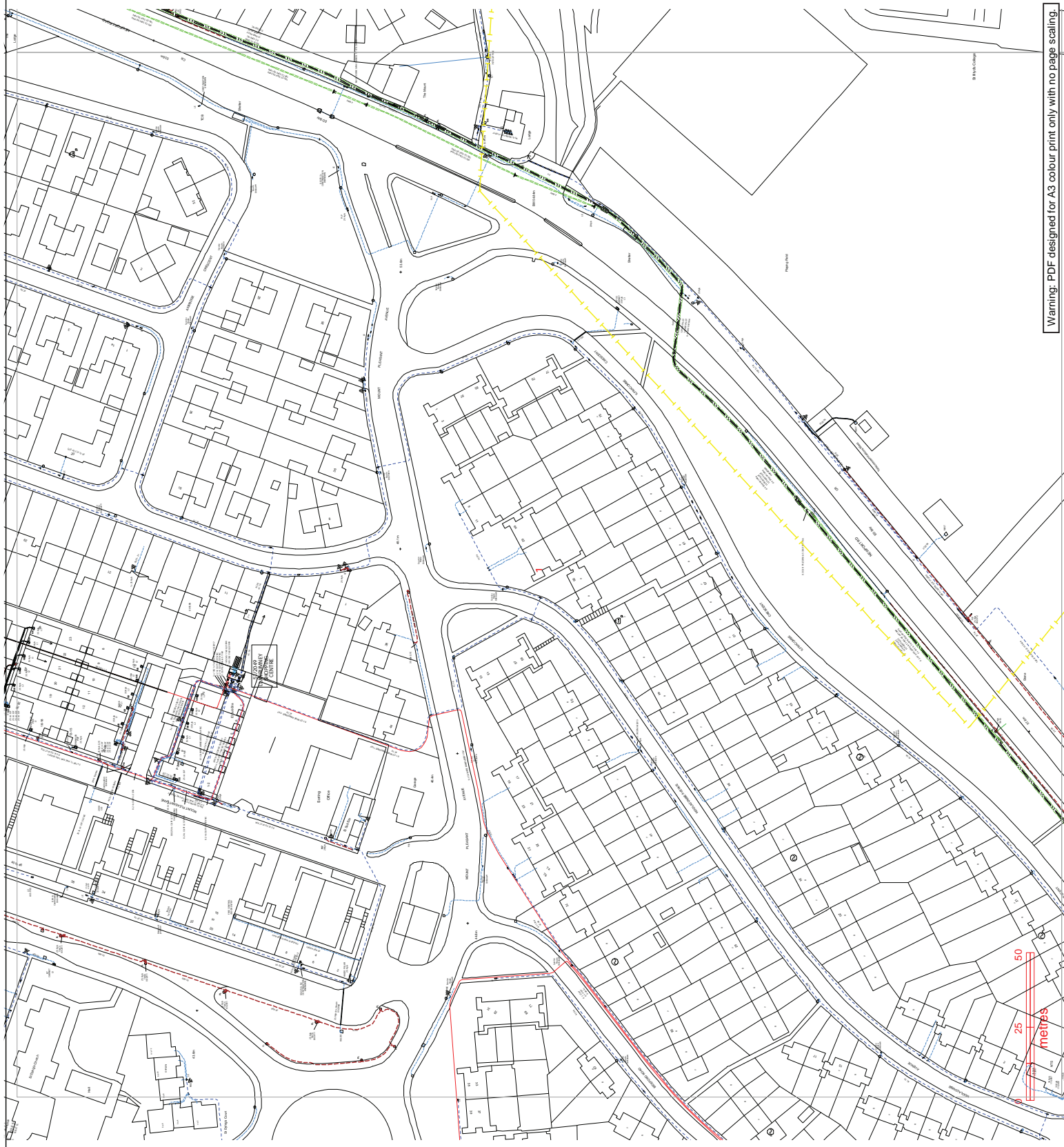
1:500 Line dig site

IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed. Services or recent additions to the network may not be shown.
- Cables, overhead lines & substations owned by other electricity network owners or private companies may be present and may not be shown.
- You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47.
- When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.
- For further advice on working near our electricity cables or lines, call our Contact Centre on 0800 096 3080.
- Advice should be sought from the Western Power Distribution Contact Centre for any work that is to take place in proximity to 66kV or 132kV underground cables and 66kV 132kV overhead lines – 0800 096 3080



Crown Copyright © All Rights Reserved. Ordnance Survey Licence numbers: 100022488, 100024877 & 100021807.
 WPD Copyright: This copy has been made by or with the authority of Western Power Distribution (WPD) pursuant to Section 47 of the Copyright Designs and Patents Act 1988 unless that Act provides a relevant exception to copyright the copy must not be copied without the prior permission of the copyright owner



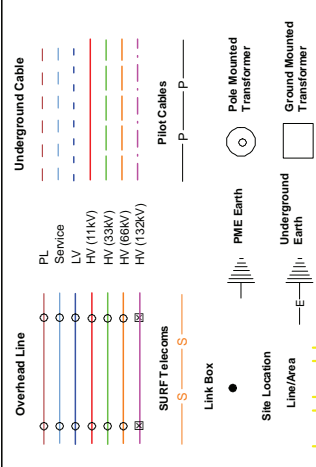
Warning: PDF designed for A3 colour print only with no page scaling.

Contact Us
 Mapping Enquiries: 0121 623 9780 All areas 0800 096 3080
 General Enquiries: 0800 096 3080
Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA 0800 6783 105

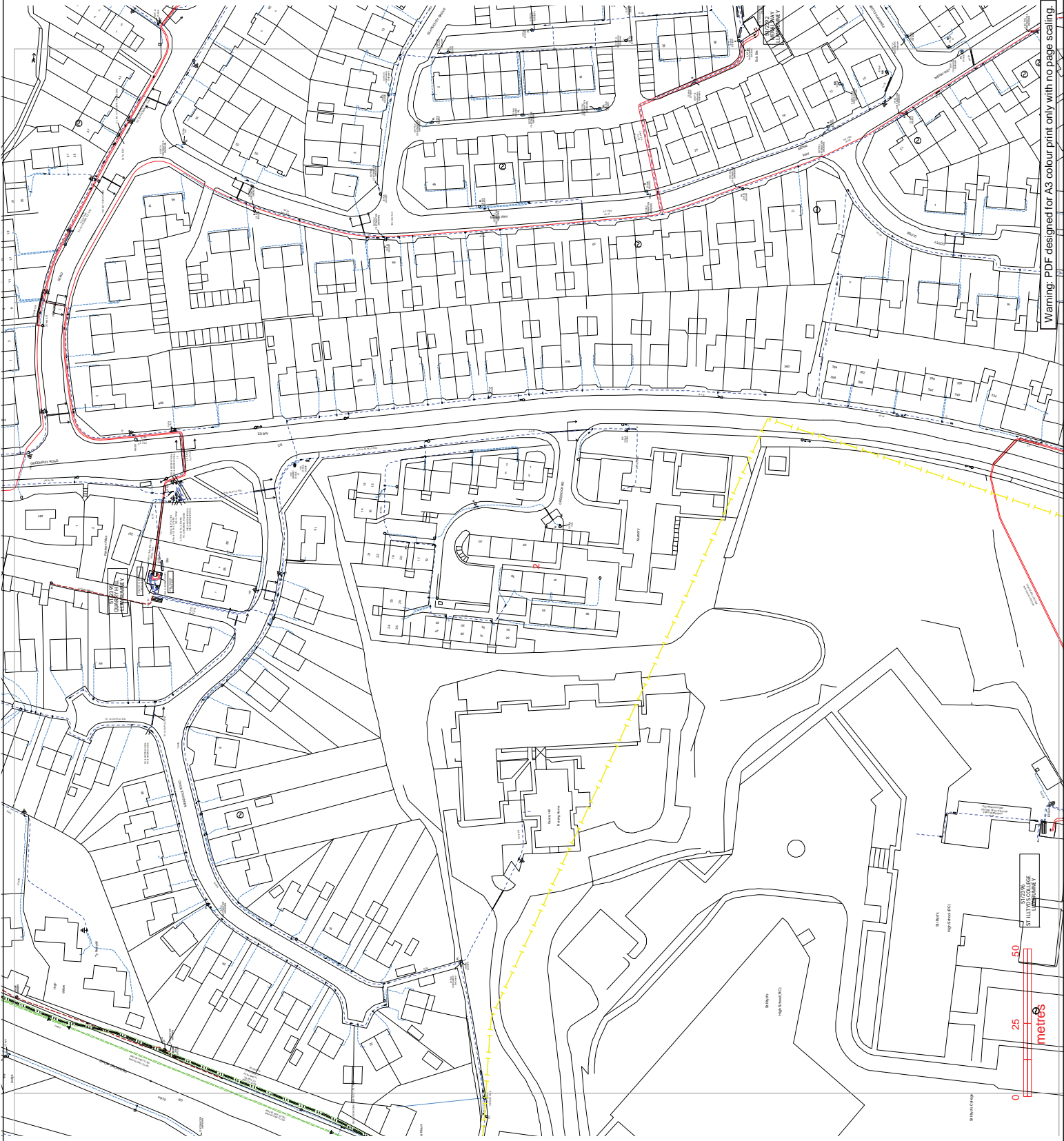
Date Requested: 13/09/2021
 Job Reference: 23251575
 Site Location: 322677 180418
 Requested by: Mr Duncan Phillips
 Your Scheme/Reference: 7935B
 Exact Scales:
 1:1250 Area or Circle dig site
 1:500 Line dig site

IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed. Services or recent additions to the network may not be shown.
- Cables, overhead lines & substations owned by other electricity network owners or private companies may be present and may not be shown.
- You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47.
- When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.
- For further advice on working near our electricity cables or lines, call our Contact Centre on 0800 096 3080.
- Advice should be sought from the Western Power Distribution Contact Centre for any work that is to take place in proximity to 66kV or 132kV underground cables and 66kV 132kV overhead lines – 0800 096 3080



Crown Copyright © All Rights Reserved. Ordnance Survey Licence numbers: 100022488, 100024877 & 100021807.
 WPD Copyright: This copy has been made by or with the authority of Western Power Distribution (WPD) pursuant to Section 47 of the Copyright Designs and Patents Act 1988 unless that Act provides a relevant exception to copyright the copy must not be copied without the prior permission of the copyright owner



Contact Us

Mapping Enquiries: 0121 623 9780 All areas 0800 096 3080

General Enquiries: 0800 096 3080

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA 0800 6783 105

Date Requested: 13/09/2021

Job Reference: 23251575

Site Location: 322677 180418

Requested by: Mr Duncan Phillips

Your Scheme/Reference: 7935B

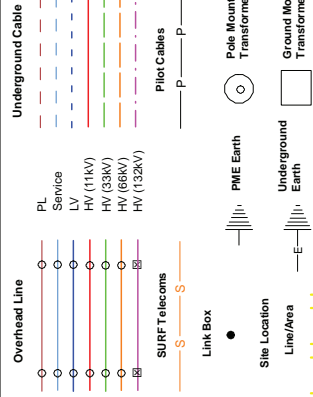
Exact Scales:

1:1250 Area or Circle dig site

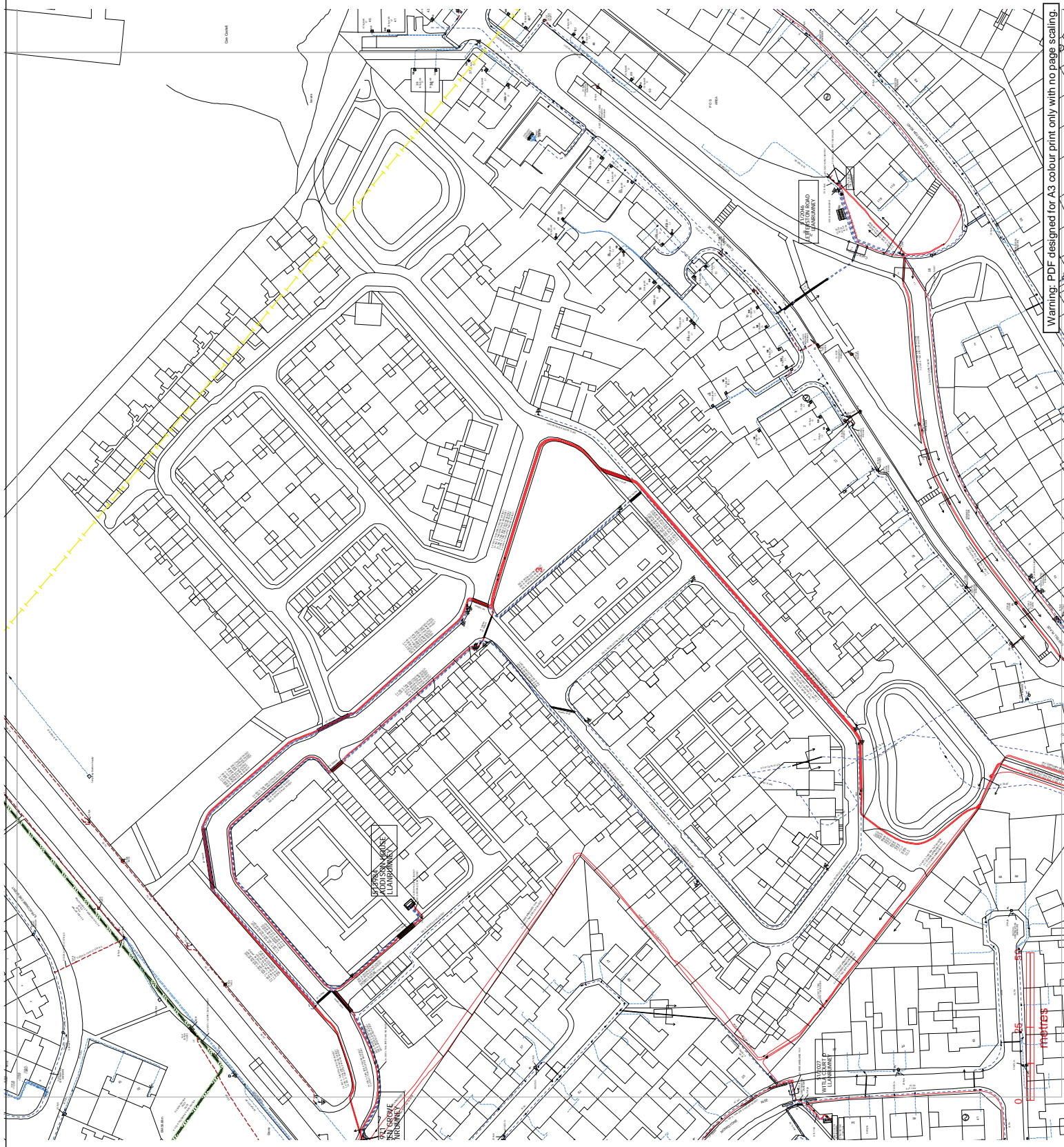
1:500 Line dig site

IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed. Services or recent additions to the network may not be shown.
- Cables, overhead lines & substations owned by other electricity network owners or private companies may be present and may not be shown.
- You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47.
- When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.
- For further advice on working near our electricity cables or lines, call our Contact Centre on 0800 096 3080.
- Advice should be sought from the Western Power Distribution Contact Centre for any work that is to take place in proximity to 66kV or 132kV underground cables and 66kV 132kV overhead lines – 0800 096 3080



Crown Copyright © All Rights Reserved. Ordnance Survey Licence numbers: 100022488, 100024877 & 100021807.
 WPD Copyright: This copy has been made by or with the authority of Western Power Distribution (WPD) pursuant to Section 47 of the Copyright Designs and Patents Act 1988 unless that Act provides a relevant exception to copyright the copy must not be copied without the prior permission of the copyright owner



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

Contact Us

Mapping Enquiries: 0121 623 9780 All areas 0800 096 3080

General Enquiries: 0800 096 3080

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA 0800 6783 105

Date Requested: 13/09/2021

Job Reference: 23251575

Site Location: 322677 180418

Requested by: Mr Duncan Phillips

Your Scheme/Reference: 7935B

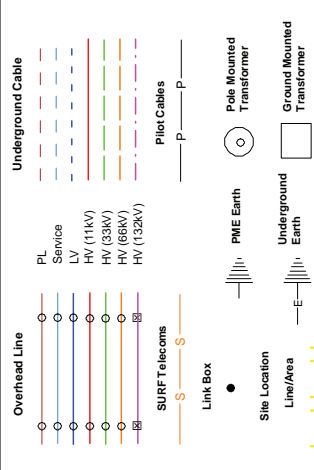
Exact Scales:

1:1250 Area or Circle dig site

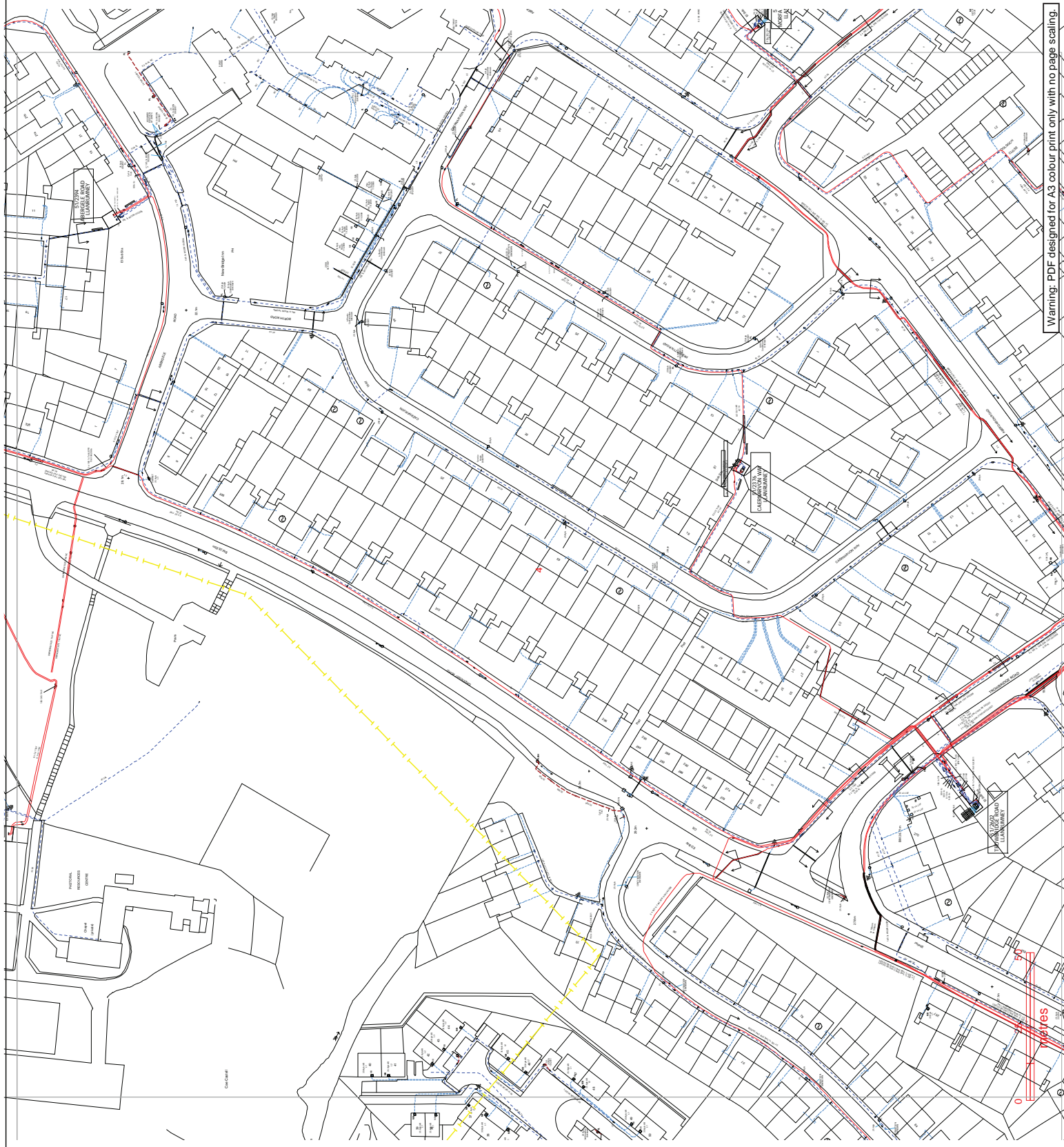
1:500 Line dig site

IMPORTANT NOTICES

- This information is given as a guide only and its accuracy cannot be guaranteed. Services or recent additions to the network may not be shown.
- Cables, overhead lines & substations owned by other electricity network owners or private companies may be present and may not be shown.
- You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47.
- When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.
- For further advice on working near our electricity cables or lines, call our Contact Centre on 0800 096 3080.
- Advice should be sought from the Western Power Distribution Contact Centre for any work that is to take place in proximity to 66kV or 132kV underground cables and 66kV 132kV overhead lines – 0800 096 3080



Crown Copyright © All Rights Reserved. Ordnance Survey Licence numbers: 100022488, 100024877 & 100021807.
 WPD Copyright: This copy has been made by or with the authority of Western Power Distribution (WPD) pursuant to Section 47 of the Copyright Designs and Patents Act 1988 unless that Act provides a relevant exception to copyright. This copy must not be copied without the prior permission of the copyright owner.



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



Avoidance of Danger from Electricity Overhead Lines and Underground Cables

Introduction

In the UK on average, 20 people are killed and 400 people are injured as a result of coming into contact (or close proximity) with electricity overhead lines and underground cables.

Although electric shock is the first thing that people associate with coming into contact with our network, those who have witnessed the effects of damage to our system are shocked by the amounts of heat, light and noise that are the result of an electrical flashover.

In the Midlands, South West and South Wales, Western Power Distribution (WPD) have had to attend to incidents where people have accidentally made contact with one of our live electricity overhead lines or damaged an underground cable and become seriously injured.

A significant number of these accidents occurred whilst people were working in the vicinity of overhead and underground electrical apparatus and this booklet has been produced to provide general guidance on how you and your employees can avoid becoming one of these statistics.

Our Operational Area



Avoidance of Danger from Electricity Overhead Lines and Underground Cables

PLANNING YOUR WORK.

It makes sense to consider your safety while in the vicinity of our equipment as early in your planning process as possible.

One of the first things you should do whenever you are planning your work is to check whether there is any of our equipment in the immediate vicinity. You should do this whether your work is taking place on public (e.g. highways and footpaths) or on private land.

For instance, take a good look around your site to see if there are any visible overhead lines. You should also bear in mind that we have a very extensive network of underground cables, and we are always happy to supply a plan from our Map Response Team who can be contacted via the following;

Tel: 0121 623 9780

Fax: 0121 623 9223

WPDMapResponse@westernpower.co.uk

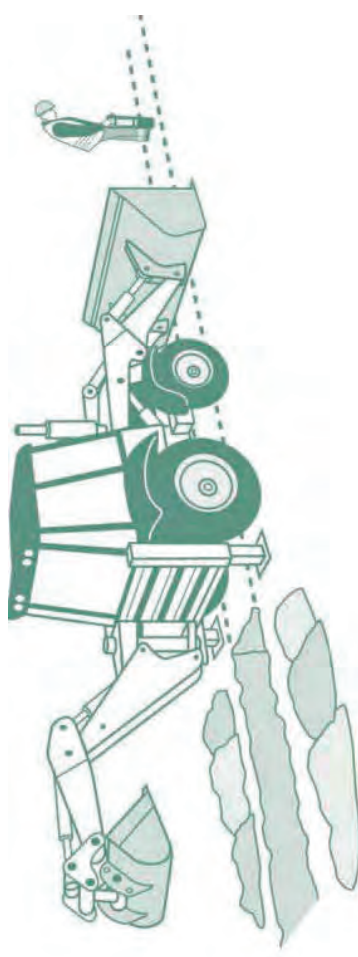
**An online mapping service is available at
www.westernpower.co.uk/locationplans**

It is always safer to assume that there are underground cables present in the ground until you have proven otherwise.

WORKING IN THE VICINITY OF UNDERGROUND CABLES

Having obtained copies of our network maps, it is important to recognise that in most cases there will be no surface indication of the presence of our underground cables. We therefore advise that you take the following actions:

- Make sure that you have up-to-date copies of our cable record plans ON SITE - not back in the office.
- Don't assume that these plans are to scale if they have been faxed or copied.
- Make sure that a competent person using a Cable Avoidance Tool (CAT) locates all of the cables shown on these plans.
- Mark the locations of cables on the ground surface with waterproof road paint or other permanent marker.
- Always assume that our cables are live unless we have informed you, in writing, otherwise.



- By hand, dig trial holes to locate the exact position of all cables. Always use a spade or shovel – never use a pick, fork or power tool – push the spade or shovel into the ground applying foot pressure.

- Look out for ducts, marker tape or tiles but do not rely on these. Even if a cable route was originally laid in a duct or with a marker tape, these may have been removed during other excavations at a later date along all or part of the cable route.
- Brief all people working in the vicinity of the presence and location of all underground cables.

UNDER NO CIRCUMSTANCES SHOULD YOU ATTEMPT TO WORK ON, OR INTERFERE WITH, ANY OF OUR UNDERGROUND CABLES.

The only people qualified to work on this equipment are our operatives; who have been specifically trained and are authorised in writing to do so.

Please also be aware that:

- Cable record plans are not guaranteed to be completely accurate. Kerb lines, roads and buildings may have been moved or altered since the cables were laid.
- Cables should ordinarily be at least 450mm deep but don't assume this to be the case where you are working – ground levels could have changed.
- Not all service cables are shown on record plans, so look for cables running down poles and bear in mind that all buildings, street lights and street furniture are likely to have cables running to them. Cables feeding street furniture may be relatively shallow near to the furniture.
- Cables do not run in straight lines. They often “snake” through the ground avoiding surface and buried obstacles that may not be visible to you.
- Cables are flexible and can change direction and depth abruptly – for this reason never use mechanical excavators within 0.5m of any underground electricity cable even if you have located it with trial holes.

- **No attempt should be made to break out concrete surrounding a cable. Please contact us immediately on our general enquiries number and we will discuss the options for safe working which may include making the cable dead or you moving your work site if possible. If we need to make the cable dead we may need to provide our customers with two weeks notice of the power interruption.**
- Our cables and joints are not designed to act as steps or to be left unsupported. If you remove support from any cable, you will need to support it using temporary hangers at not more than 0.5m intervals.
- When backfilling, please consolidate the ground under the cables, cover the cable with soil free of stones or with stone dust and replace any cable marker tiles, ducts and tape.

IF YOU DAMAGE AN UNDERGROUND CABLE

you must immediately clear the area of personnel, because the cable could still be live, or become live again.

If a machine is still in contact with the cable, instruct the driver to JUMP clear. Do not touch any part of the machine.

Please contact us on our emergency number immediately and tell us what has happened. Please be ready to provide us with a contact telephone number and an accurate location or set of directions – this will help us in getting our staff to site quickly to minimise any danger and lessen the disruption to your work.

Please report any damage to a cable, however superficial it might seem. The cable may not fail at the time of damage, but it could fail later, causing danger to our staff and other contractors, disruption to our customers' supplies, and also – if we trace the damage back to you – a very much larger repair bill.

WORKING IN THE VICINITY OF OVERHEAD LINES

UNDER NO CIRCUMSTANCES SHOULD YOU ATTEMPT TO WORK ON, OR INTERFERE WITH ANY OF OUR OVERHEAD LINE EQUIPMENT OR SERVICE WIRES.

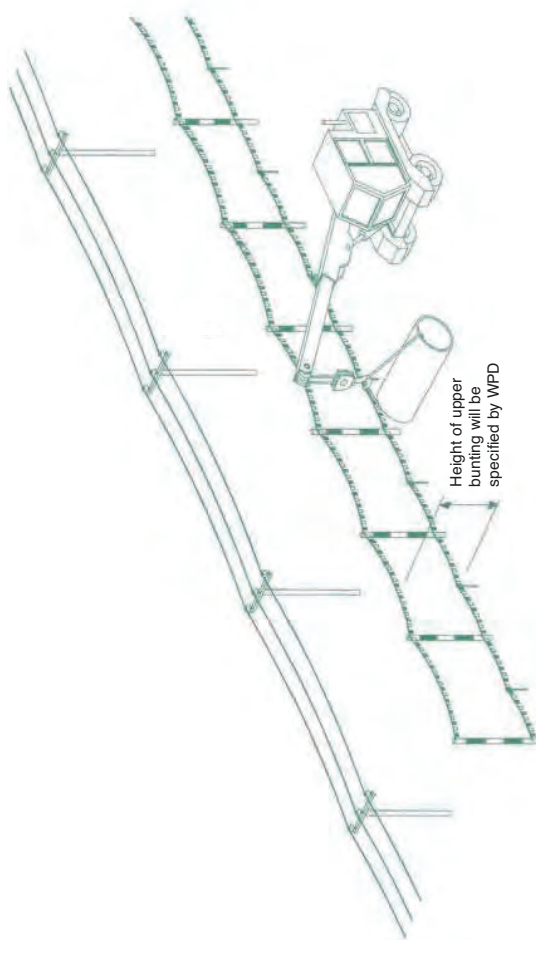
The only people qualified to work on this equipment are our operatives; who have been specifically trained and are authorised in writing to do so.

Overhead lines have the advantage that, unlike underground cables, they can easily be seen.

- Always assume that our overhead lines are live unless we have informed you otherwise in writing.
- We will be able to advise you about the type and voltage of the overhead lines in question and provide you with information about the clearances that you must adhere to during your work. Please ring our regional general enquiries number for further advice.
- If you are in any doubt about whether the overhead lines in question are power or telephone (this is a very common mistake) – please ask us.
- In some circumstances, we may be able to temporarily shroud low voltage overhead lines and services running to buildings if you need to work in the vicinity e.g. for scaffolding erection, fascia repairs and painting work on domestic properties. We don't normally charge for the shrouding of overhead lines, but please give us as much notice as possible.
- If you think that you will be working close to our overhead lines and they need shrouding – please don't start work until we have agreed what needs to be done and all safety precautions are in place.
- Please note that it is not technically possible to shroud high voltage lines, so if you cannot avoid working near to our high voltage lines, contact us and we will be happy to meet with you to discuss safe alternatives.

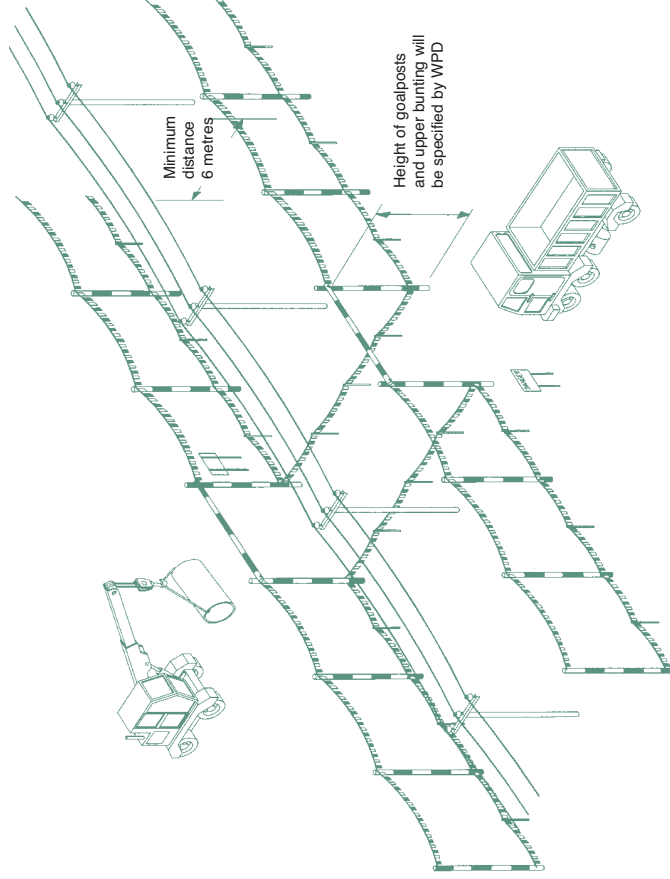
- If it is decided that work can go ahead in the vicinity of our overhead lines but there is a risk of you infringing the safety clearances from the overhead lines, you have a responsibility to erect safety barriers to segregate your works from the area around the overhead lines. The detailed requirements for these barriers are provided in the HSE document GS6 'Avoidance of Danger from Overhead Lines'. As a summary they should consist of:

- Red and white coloured posts erected at 6m intervals, with coloured bunting stretched between their tops, supplemented by low level bunting erected at 1m above ground level, supported at 3m intervals on red and white coloured posts. This is shown below.



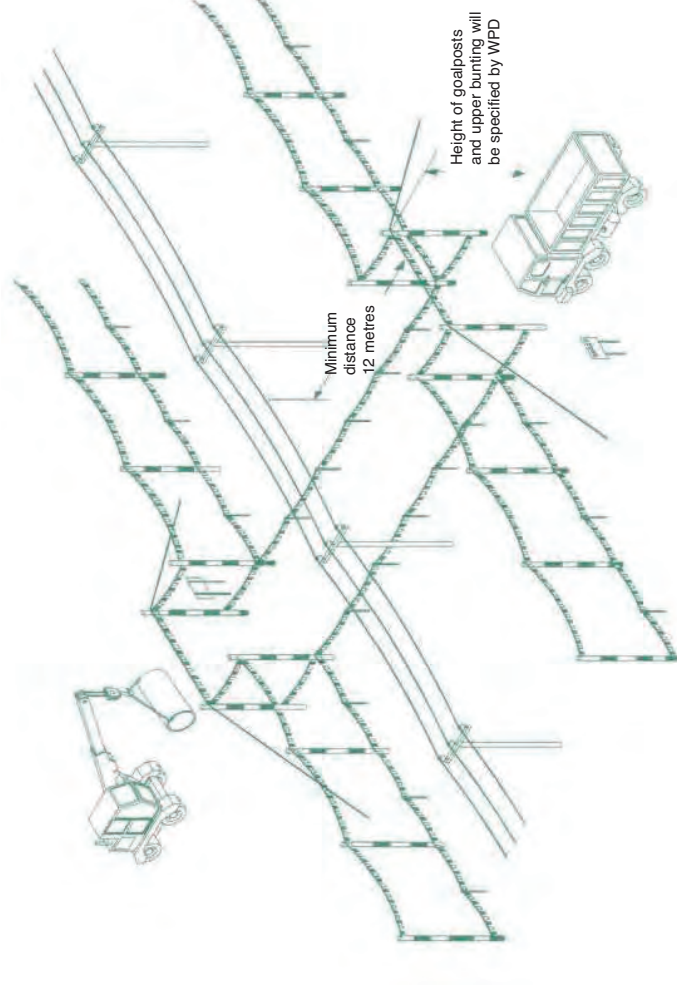
- We are able to advise you on the height of the barriers and any additional clearances necessary if you are using large plant on your site.
- Any bunting, ropes and lanyards used should be made from an insulating material.
- These barriers should be erected parallel to the overhead line at a minimum distance of 6m horizontally from the outermost conductor of the overhead line.

- The supports may be supported by rubble or concrete filled barrels or buried directly in the ground.
- Danger Notices should be fixed to all of your high level supports.
- The ground enclosed within these barriers is best regarded as “dead ground” in which all foot and vehicular traffic is forbidden, in all circumstances, for the duration of your work.
- Where it is necessary for foot and vehicular traffic to pass under the line, you will need to form a marked access way between the barriers as shown below.



- This access way should comprise of bunting erected 1m above ground, supplemented by high level “goal-posts” erected at either end.
- The goal post cross bars should be rigid, made of insulating material and positioned in a location and at a height specified by us.

- The access route should be as narrow as possible and should not normally exceed 10m in width.
- If it is necessary to make the access route wider than this, you may find it impractical to use rigid cross bars, so you may use a tensioned rope and bunting instead. If you use rope and bunting as a cross bar, you should move the entrance to the access route out to a minimum distance of 12m from the outermost conductor of the line. This is to allow for any stretching of the rope if pulled by your plant.



- If you decide to use steel wire rope to support the barrier, this must be effectively connected to earth at both ends.
- You should also install Danger Notices at all probable directions of approach and clearly display the cross bar height.
- If you are working at night, or in conditions of poor visibility, you should ensure the area is well lit and that the overhead lines are clearly visible.
- Whatever measures you take, you should ensure that everyone working in the vicinity of overhead lines is briefed about the risks and what safety measures are in place. Do not permit anyone to carry long objects, especially scaffold poles, ladders and irrigation pipes in the vicinity of overhead lines.
- You should ensure that all shrouding, barriers and signs are regularly inspected and maintained so that they remain effective.
- Overhead lines are not normally insulated and electricity at high voltages may jump, so a dangerous situation can arise just from a close approach.
- Cranes and excavators working near overhead lines are at increased risk because of the possibility of the jib/arm slewing or being raised into the overhead line, or the load swinging into the overhead line. You may therefore also need to fit plant and vehicles with restricting chains etc. to physically restrain their operation – we can advise on this if you wish.
- If you are planning to carry out tree cutting or arboriculture work in the vicinity of our overhead lines, you need to be aware that this is a complex, high risk activity and we recommend that you employ a competent tree surgeon, who complies with all of the requirements of Forestry industry Safety Accord (FISA) publication FISA 804 - Electricity at work: Forestry.

If contact is made with an overhead line

you must immediately clear the area and suspend all work within 50m of the damage because the line could still be live, or become live again.

The operator of a machine that is in contact with an overhead line should:

- **if the machine is still operable and the operator is still in the cab:**
 - provided that you do not risk breaking the overhead line or dragging it to the ground, immediately lower the raised parts of the machine
 - USING ONLY THE CONTROLS IN THE CAB** and/or drive the vehicle clear of the overhead line.
 - contact us immediately on our emergency number so that we can check the overhead lines.
 - instruct other people in the vicinity not to approach the vehicle.
- **if the machine is not operable, cannot be driven clear of the overhead line or there is a risk that doing so will break the line or drag it to the ground:**
 - stay in the cab.
 - contact your site manager or us immediately on our emergency number by radio or mobile phone or as soon as possible by any other method.
 - instruct everyone outside the vehicle not to approach it.
 - do not exit the cab until given confirmation BY WPD PERSONNEL that it is safe to do so.
- **if the machine is inoperable or cannot be driven free and there is risk of fire or other immediate hazard:**
 - JUMP clear of the vehicle, avoiding simultaneous contact with any part of the machine and the ground.
 - try to land with your feet as close together as possible.
 - where possible, continue to move away from the vehicle using “bunny hops” with your feet together until at least 15m from the vehicle.
 - instruct other people in the vicinity not to approach the vehicle.
 - contact us immediately on our emergency number.
 - do not return to the vehicle until given confirmation by WPD PERSONNEL that it is safe to do so.

Whatever the circumstances please contact us on our emergency number immediately and tell us what has happened. Please be ready to provide us with a contact telephone number and an accurate location or set of directions – this will help us in getting our staff to site quickly to minimise any danger and lessen any disruption to your work.

Please report any damage or contact no matter how minor they may seem to you at the time. The damage may not cause a serious problem at the time of damage, but it could fail later, causing danger to our staff and members of the public, disruption to our customers' supplies, and – if we trace the damage back to you – a large repair bill.

MORE INFORMATION

For your information, we are legally obliged to report all contact with our system to the Health & Safety Executive (HSE), and, if you are an employer, you may be obliged to report incidents involving your staff or contractors to the HSE. Even if no one is hurt, you could be prosecuted for failing to report such an incident.

More detailed general information on this subject is available in the following publications from the HSE:

HSG(47) – Avoiding Danger from Underground Services

GS6 – Avoidance of Danger from Overhead Lines

Along with Forestry Industry Safety Accord (FISA) publication FISA 804 – Electricity at Work: Forestry

If you require more site-specific information relating to our equipment at your location please contact us on our regional general enquiries numbers.

Our general enquiries numbers are;

Midlands 0845 724 0240

General Enquiries

South Wales 0845 601 3341

General Enquiries

South West 0845 601 2989

General Enquiries

FINALLY...

Please, always remember that electricity cables and overhead lines can be very dangerous – the general rule is **STAY AWAY** and stay safe.

NOTES

Our emergency number is:
0800 6783 105

Calling from a mobile?

East Midlands
0330 123 5009

West Midlands
0330 123 5008

South Wales
0330 123 5002

South West
0330 123 5001



This booklet is issued by the Safety Team

Western Power Distribution (East Midlands) plc. Registered in England and Wales No. 2366923

Western Power Distribution (West Midlands) plc. Registered in England and Wales No. 3600574

Western Power Distribution (South Wales) plc. Registered in England and Wales No. 2366985

Western Power Distribution (South West) plc. Registered in England and Wales No. 2366894

Registered Office: Avonbank, Feeder Road, Bristol BS2 0TB

Printed on material sourced from sustainable forests and TCF. Printed using vegetable/mineral oil based environmentally friendly inks.

2014, 4th issue