

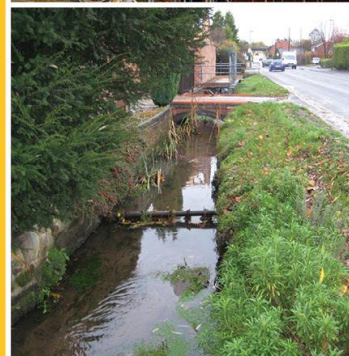


**PROPOSED RESIDENTIAL DEVELOPMENT,
ABERGAVENNY URBAN EXTENSION, ABERGAVENNY,
MONMOUTHSHIRE**

UTILITIES ASSESSMENT

AUGUST 2021

REPORT REF: 26193-07-UR-01



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ABERGAVENNY URBAN EXTENSION, ABERGAVENNY,
MONMOUTHSHIRE**

UTILITIES ASSESSMENT

AUGUST 2021

REPORT REF: 26193-07-UR-01

CLIENT: Monmouthshire Housing Association Ltd

ENGINEER: Mewies Engineering Consultants Ltd
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Station Road
Hugglescote
Leicestershire
LE67 2GB

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.....
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CONTENTS

1. INTRODUCTION
2. EXISTING SERVICES SUMMARY TABLE
3. SERVICES SUPPLY
4. DIVERSION AND PROTECTION OF APPARATUS
5. SUMMARY

APPENDICES

- A. SITE LOCATION PLAN
- B. SITE SKETCH MASTERPLAN
- C. WELSH WATER – WASTEWATER AND CLEAN WATER
- D. WALES & WEST UTILITIES
- E. NATIONAL GRID ELECTRICITY
WESTERN POWER DISTRIBUTION
- F. OPENREACH
VIRGIN MEDIA
CITYFIBRE
- G. UTILITY CONSTRAINTS PLAN – 26193_07_010_01

1.0 INTRODUCTION

- 1.1 Mewies Engineering Consultants Ltd (M-EC) has been commissioned by Monmouthshire Housing Association Limited to undertake a Utilities Assessment for a proposed development at Abergavenny Urban Extension, Abergavenny, Monmouthshire. A site location plan is provided in **Appendix A** and a sketch masterplan contained within **Appendix B**.
- 1.2 The development proposals comprise of up to 650 residential dwellings and up to 0.75ha of mixed-use land. Detailed proposals for the mixed-use land are not yet available therefore this has been excluded from capacity assessments at this stage.
- 1.3 The purpose of this report is to establish how the proposed development will be serviced with key utility supplies, whether diversion or protection of existing apparatus may be required and estimated costs for service connection and diversion works, where available.
- 1.4 Consultation has been undertaken with key Statutory Undertakers to establish:
- Available capacity within existing infrastructure;
 - Required capacity improvement works to accommodate the development;
 - Required diversions of infrastructure to accommodate the proposed development;
 - Any required easements;
 - Service connection locations; and
 - Service connection costs.
- 1.5 Consultation has been undertaken with the following Statutory Undertakers:
- Dwr Cymru Welsh Water (sewerage and clean water provider for Abergavenny);
 - Wales & West Utilities (gas);
 - Western Power Distribution & National Grid Electricity Transmission (electricity);
 - Openreach, Virgin Media & Cityfibre (telecommunications);
- 1.6 Consultation responses received from Statutory Undertakers are included within **Appendices C-F**. A services constraints plan has been produced from the apparatus plans, and is provided in **Appendix G**.
- 1.7 Following this introductory Section of the report, **Section 2.0** details the existing utilities infrastructure in the vicinity of the site, **Section 3.0** details proposed future supply to the site and **Section 4.0** provides details on requisite diversions and easements. A summary of information is provided within **Section 5.0**.

1.8 M-EC has completed this report for the benefit of the organisation referred to in paragraph 1.1 and any relevant statutory authority which may require reference in relation to approvals for the proposed development. Other third parties should not use or rely upon the contents of this report unless explicit written approval has been gained from M-EC.

1.9 M-EC accepts no responsibility or liability for:

- The consequence of this documentation being used for any purpose or project other than that for which it was commissioned.
- The issue of this document to any third party with whom approval for use has not been agreed.

2.0 EXISTING SERVICES

2.1 Formal requests have been made to relevant utility companies for a copy of their existing asset plans for the proposed development area. The following table summarises the Statutory Undertakers that have been approached, their response and likely requirements for diversion or extra protection measures of any existing apparatus. Further information on the diversion and extra protection of the affected apparatus can be found in **Section 4.0** of this report.

Service	Statutory Undertaker	Response Received	Area Affected	Diversion / Protection Required
Electricity	Western Power Distribution	Yes	Yes – Overhead HV (11kV) cables crossing the north of the proposed development site and within the eastern verge of the A465. Underground HV (11kV cables within the eastern verge of the A465. Pole mounted transformers and LV cables west of the proposed development supplying existing dwellings. Underground LV service cables within the site boundary supplying Roc House Farm.	Yes – refer to Section 4.0
Electricity	National Grid Electricity Transmission	Yes	No – Nearest assets are 400kV overhead lines located c300m south of the proposed development boundary.	No
Electricity	Utility Assets	Yes	No	No
Gas	Wales & West Utilities	Yes	No – Nearest assets are low pressure gas mains within residential areas west of the A465 and railway.	No
Gas	Engie	Yes	No	No
Potable Water	Dwr Cymru Welsh Water	Yes	Yes – Clean water main within the verges of the A465.	No
Foul and Surface Water	Dwr Cymru Welsh Water	Yes	No– Nearest sewers are located c100m from the site boundary within residential areas west of the A465 and railway.	No
Electricity/Gas	GTC	Yes	No	No
Telecoms	Openreach	Yes	Yes – Overhead cables within the site boundary supplying Roc House Farm. Underground cables within land northeast of the proposed development site.	Yes – refer to Section 4.0
Telecoms	Virgin Media	Yes	No	No
Telecoms	Lumen	Yes	No	No
Telecoms	Vodafone	Yes	No	No
Telecoms	Colt	No	TBC	TBC
Telecoms	Verizon	Yes	No	No
Telecoms	Mobile Broadband Network	Yes	No	No
Telecoms	Sota	Yes	No	No
Telecoms	Cityfibre	Yes	No	No
Local Authority Assets	Monmouthshire County Council	No	TBC	TBC
Rail Network Assets	Network Rail	Yes	No	No

3.0 SERVICES SUPPLY

Foul Water

- 3.1 A developer enquiry has been requested from Dwr Cymru Welsh Water (DCWW) and a response is currently awaited regarding the capacity to supply the development. However, preliminary discussions have taken place and DCWW and it has been advised that hydraulic modelling will be required to identify the potential impact of foul flows from the proposed development on the sewerage system and the most suitable discharge point.
- 3.2 The following potential connection points have been identified during initial discussions with DCWW:
- North - 150mm foul sewer on the B4233 road bridge approximately 400m north of the proposed development. This is the only potential connection point east of the railway line.
 - Central - 150mm combined sewer on Station Road in the vicinity of the railway station approximately 215m west of the proposed development;
 - South – Foul sewer on Ffordd Gobannium approximately 450m west of the proposed development via a potential existing underpass. Further investigation is required with regard to whether there is an underpass with sufficient space to accommodate a foul sewer.
- 3.3 Permission will need to be sought from National Rail and Traffic Wales for any crossings over their infrastructure.
- 3.4 It is to be noted under the Water Industry Act (1991), developers have a right to connect foul and surface water flows from new developments to public sewers. The Act places a general duty on sewerage undertakers, including DCWW, to provide the additional capacity that may be required to accommodate flows and loads arising from new domestic development. If there is insufficient capacity in the public sewerage system, DCWW will design and construct any necessary network improvements to accommodate permitted development. This reinforcement work will be completed at no additional cost. However, it may take longer to deliver the connections due to the additional work required. Timescales for completing this work will be confirmed upon receipt of a formal connection application.
- 3.5 Based on current DCWW charging arrangements the infrastructure charge for waste water for this development will be £400.00 per plot. The total infrastructure charge for waste is therefore calculated at £260,000.00. Correspondence from DCWW is included within **Appendix C**.

Clean Water

- 3.6 A developer enquiry response is currently awaited from DCWW regarding the budget costs and capacity to supply the development. However, preliminary discussions have taken place and DCWW have indicated that hydraulic modelling will be required to determine whether any additional reinforcement or enhancement is required to supply the proposed development. If reinforcement is

required this will be funded via the infrastructure charge and there will be no additional cost to the developer. However, it may take longer to deliver the connections due to the additional work required. Timescales for completing this work will be confirmed upon receipt of a formal connection application.

- 3.7 Based on current DCWW charging arrangements the infrastructure charge for clean water for this development will be £400.00 per plot. The total infrastructure charge for clean water is therefore calculated at £260,000.00. Correspondence from DCWW is included within **Appendix C**.

Gas

- 3.8 Wales & West Utilities (WWU) have confirmed that the nearest gas main is a 63mm low pressure main within Holywell Crescent approximately 105m from the site boundary. WWU have advised that reinforcement may be required to provide sufficient capacity for the new development and an element of any applicable reinforcement costs may be chargeable to the developer. They have also noted that the railway track lies between the site and the nearest existing gas network. Network Rail consent will be required for new crossings which may extend the lead time for new connections. The nearest gas main east of the railway line is on the B4233 road bridge approximately 400m north of the proposed development but further investigation is required to confirm if sufficient capacity is available to supply the proposed new development.

- 3.9 WWU has supplied a budget cost of £630,000.00 to supply the onsite mains and service connections to the proposed development. Offsite costs, point of connection and any reinforcement contributions will be confirmed on receipt of a site plan and payment of a design fee. WWU correspondence can be found within **Appendix D**.

Electricity

- 3.10 Western Power Distribution (WPD) have provided a budget estimate of £1,605,262.00 to connect the proposed development to their existing HV (11kV) network. WPD have advised that the point of supply will be from the HV (11kV) underground cable within the A465. WPD will lay a new HV network from this point of connection to 3 new ground mounted substations within the development. From the substations, WPD will lay LV main and service cables to serve the entire development. WPD have advised that the budget estimate allows for sufficient capacity for low carbon technology (i.e., ASHP & EV chargers) and includes an allowance for incorporating the existing distribution network into the proposed footpaths and roadways of the new development. A budget quotation can be found within **Appendix E**.

Telecommunications

- 3.11 Openreach will deploy FTTP, free of charge, into all new housing developments of 20 or more homes. Openreach's FTTP infrastructure is open to all communication service providers to encourage greater adoption and customers can benefit from the faster speeds of up to 1Gbps. Openreach will supply all of the materials such as ducts and joint boxes required to build and install the network free of charge,

however, it is the responsibility of the developer or their appointed contractor to install the on-site ducts and joint boxes to Openreach's specification. An asset map showing Openreach infrastructure within the area of the proposed development site is included in **Appendix F**.

4.0 DIVERSIONS AND PROTECTION OF APPARATUS

Electricity

- 4.1 WPD asset records show multiple overhead HV (11kV) cables crossing the north of the site and underground HV cables within the eastern verge of the A465 in the vicinity of the proposed access to the new development. Diversion will be required to facilitate the new development. WPD have included an allowance within their budget quote to incorporate the existing HV network into the new development via the proposed footpaths and roadways. A copy of the WPD budget quote can be found within **Appendix E** and the approximate location of apparatus is shown on the utilities constraints plan (drawing 26193_07_010_01) within **Appendix G** of this report.
- 4.2 While the cables remain in situ, a safety clearance of 4.3m must be maintained between the overhead lines and the nearest object. Taking into account the estimated distance between the lines and swing and sag factors a total clearance width of approximately 13m should be anticipated. Further discussion with WPD is recommended to confirm exact clearances required. An easement of 2m either side (4m total) is required over the underground cables. Extra care is required when working in these areas and all cables should be treated as live until proven dead.
- 4.3 WPD plans also show existing underground LV service cables crossing the A465 and entering the proposed development boundary to supply Roc House Farm. Disconnection will be required prior to demolition of the existing buildings and allowance for this has been included within the budget quote provided. Extra care is required when working in these areas and all cables should be treated as live until proven dead.

Telecommunications

- 4.4 Openreach apparatus plans show existing overhead services within the site boundary crossing the proposed access to the development and supplying Roc House Farm. Diversion or disconnection may be required to allow for construction of the new access. Openreach will provide a budget cost for diversion on receipt of layout details for the access junction and payment of an application fee. The approximate location of the Openreach apparatus is shown on the utilities constraints plan within **Appendix G** of this report.

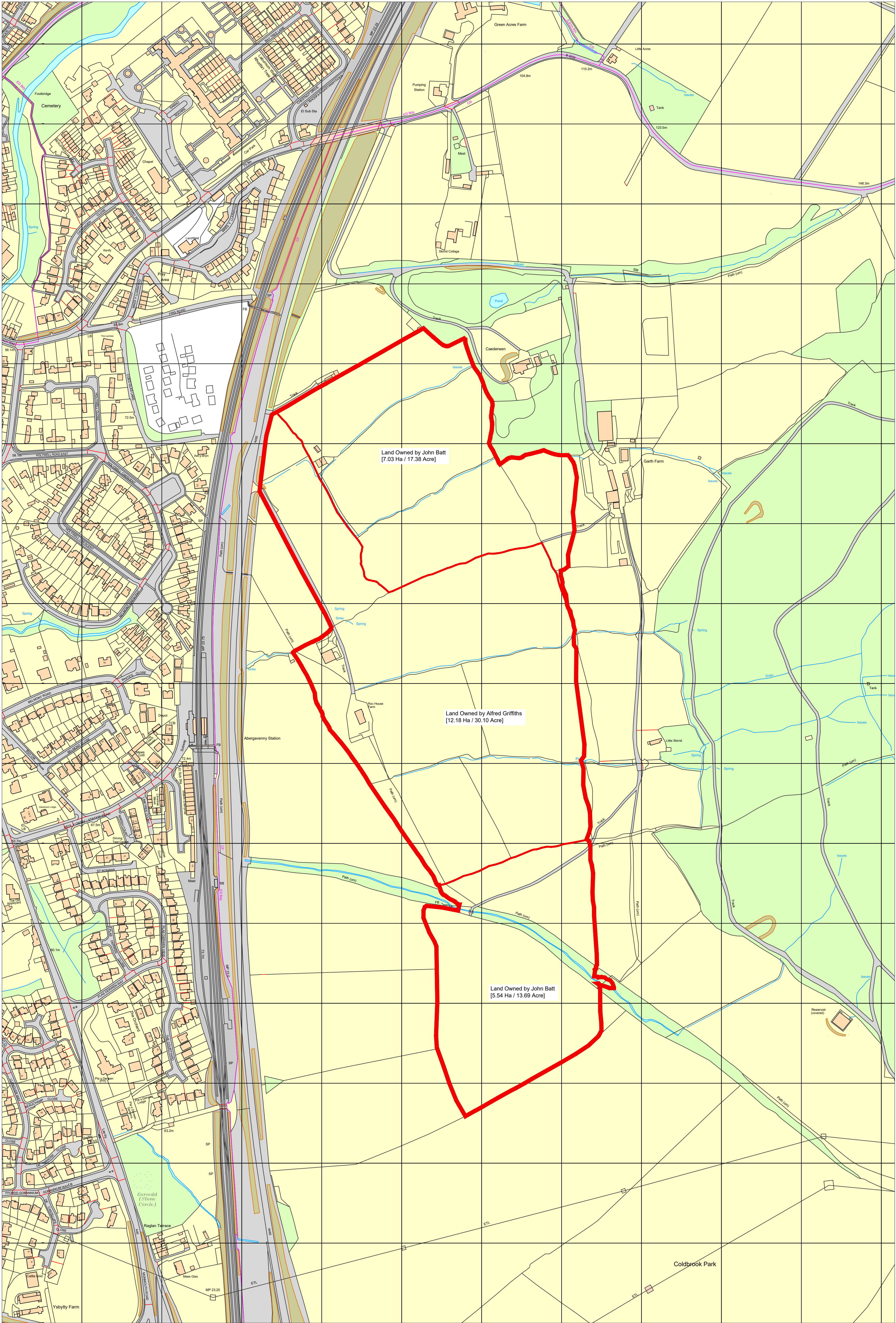
5.0 SUMMARY

5.1 This report has been produced to support a proposed residential development at Abergavenny Urban Extension, Abergavenny, Monmouthshire. A summary of all findings to date is provided in the below table.

Service and/or Provider	Capacity Available?	Point of connection	Budget Costs Provided?	Are Diversions/ Extra Protection Measures Required?	Additional Comments
Foul Drainage (Dwr Cymru Welsh Water)	TBC – hydraulic modelling required.	TBC upon completion of hydraulic modelling.	Developer to construct and offer for adoption. <u>Infrastructure Charge</u> £260,000.00	No	A developer enquiry has been requested from Dwr Cymru Welsh Water (DCWW) and a response is currently awaited. DCWW have indicated during preliminary discussions that sewer modelling will be required.
Clean Water (Dwr Cymru Welsh Water)	TBC – hydraulic modelling required.	TBC upon completion of hydraulic modelling.	<u>New Connections</u> £TBC <u>Infrastructure Charge</u> £260,000.00	No	A developer enquiry has been requested from DCWW and a response is currently awaited. DCWW have indicated during preliminary discussions that hydraulic modelling will be required.
Gas (Wales & West Utilities)	TBC	63mm low pressure main within Holywell Crescent approximately 105m from the site boundary.	<u>Onsite works</u> £630,000.00 <u>Offsite works and reinforcement</u> £TBC	No	Offsite costs and any reinforcement contributions will be confirmed on receipt of a site plan and payment of a design fee. Network Rail consent is likely to be required for the offsite route which may extend the lead time for new connections.
Electricity (Western Power Distribution)	Yes	Underground HV (11kV) cable within the eastern verge of the A465.	<u>New Connections & Diversions</u> £1,605,262.00	Diversions of existing HV overhead and underground cables and disconnection of the existing services to Roc House Farm will be required to facilitate development.	3 substations will be required onsite to serve the development. The budget estimate provided allows for sufficient capacity for low carbon technology (ASHP & EV chargers) and includes an allowance for onsite diversions.

Service and/or Provider	Capacity Available?	Point of connection	Budget Costs Provided?	Are Diversions/ Extra Protection Measures Required?	Additional Comments
Telecoms (Openreach)	N/A	Openreach apparatus within the A465 or northeast of the proposed development.	<u>New Connections</u> £0.00 <u>Diversions/ Disconnections</u> £TBC	Diversion or disconnection of existing overhead services within the site boundary may be required to allow for construction of the new access.	Openreach will deploy FTTP, free of charge, into all new housing developments of 20 or more homes. No proposals therefore have been sought. Openreach will provide a budget cost for diversion on receipt of layout details and payment of an application fee.

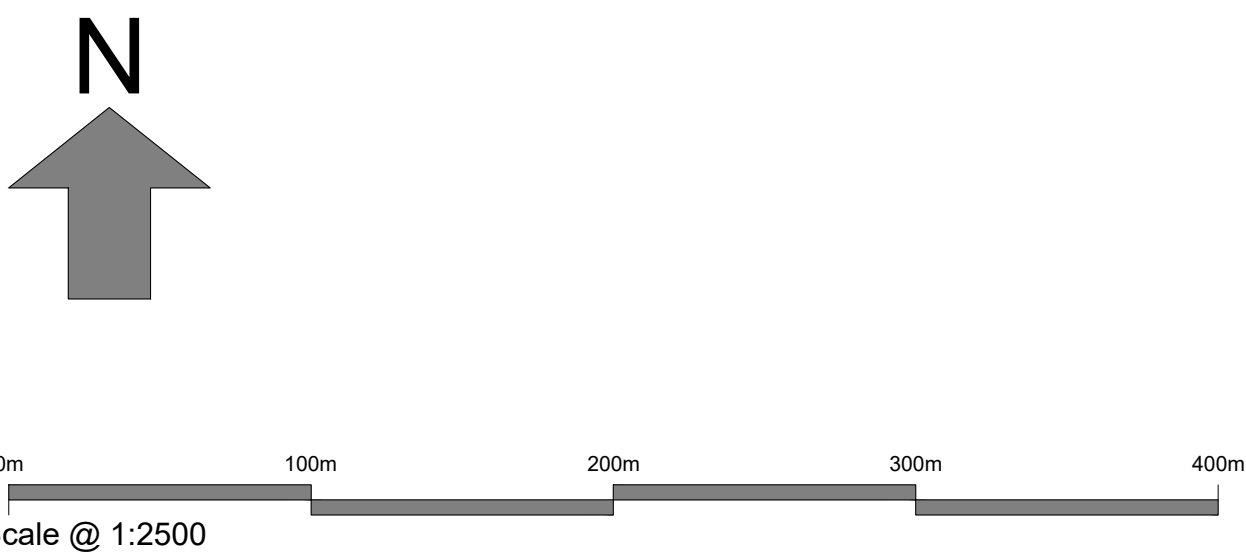
APPENDIX A



Site Key

Red Line Boundary
24.75 Ha / 61.17 Acre

Land Ownership Boundary



REV.	DESCRIPTION	DATE
CLIENT Monmouthshire Housing Association		
JOB TITLE Land East of Abergavenny, A465		
DRAWING TITLE Red Line Title Plan		
SCALE @ A1 1:2500	DATE July '21	DRAWN BY KE
JOB NO. 1909	DRAWING NO. RLTP-01	REVISION -

hammond
Architectural Ltd

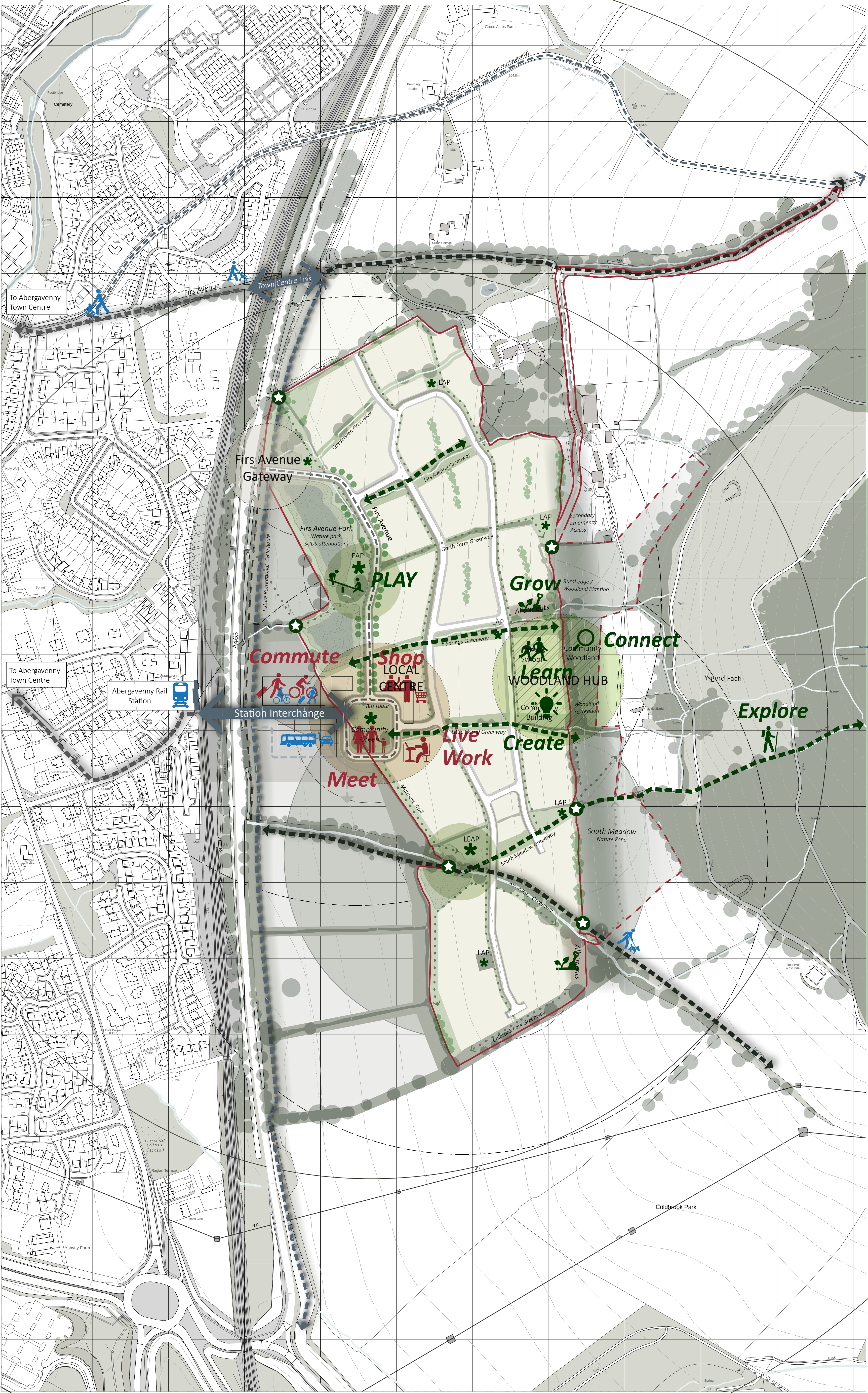
10 Cold Tops
Newport
NP20 4PH

t. 01633 844970
e. info@hammond-ltd.co.uk

www.hammond-ltd.co.uk

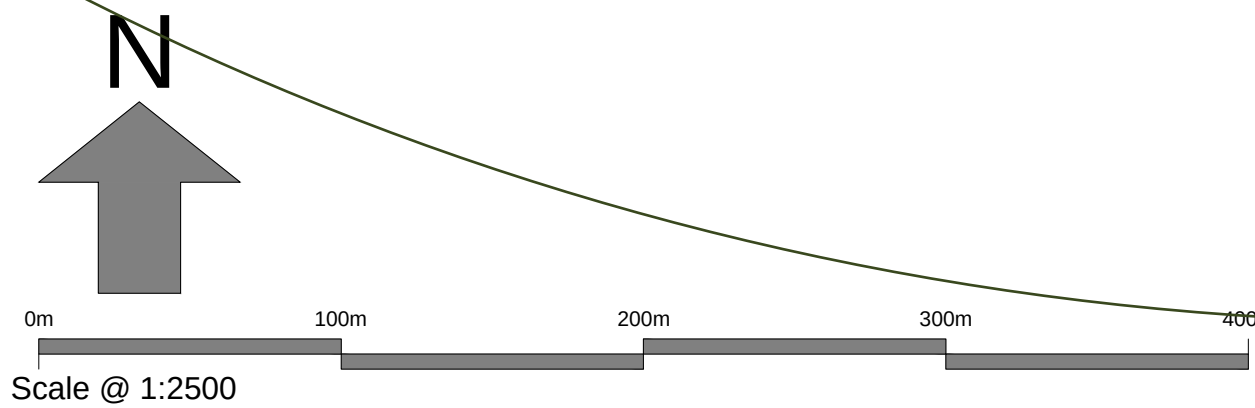
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Figured dimensions must be taken in preference to scaled dimensions and any discrepancies are to be referred to Hammond Architectural Ltd. Contractors, subcontractors and suppliers must verify all dimensions on site before commencing any work or making any workshop drawings.

APPENDIX B



Site Key

- Strategic Site
- Promoted Red line
 - Additional land for Green Infrastructure
- Development
- Residential (varying densities)
 - Local Centre / (mixed uses, civic space)
 - Woodland Hub (Primary School / Community)
- Access & Movement
- Primary access / Main Avenue / Bus route
 - Optional secondary emergency access
 - Green street network
 - Pedestrian access
 - Recreational trails
- Multifunctional Green Infrastructure
- Principal Greenway
 - Secondary Greenway
 - Open Space
 - Attenuation
 - Allotments
 - Rural fringe / Woodland planting
 - Existing / enhanced planting
 - Play space
 - Avenue planting
- Strategic Connections
- Abergavenny Rail Station
 - Foot/cycle bridge/connection
 - Park & Ride
 - Cycle hire/parking
 - Car share / Electric vehicle charging
 - Strategic cycle route
 - Potential future connection



REV.	DESCRIPTION	DATE
CLIENT Monmouthshire Housing Association		
JOB TITLE Land East of Abergavenny, A465		
DRAWING TITLE Illustrative Concept Masterplan		
SCALE @ A1 1:2500	DATE January '20	DRAWN BY GB
JOB NO. 1909	DRAWING NO. ICM-01	REVISION -

**hammond**
Architectural Ltd

10 Cold Tops
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t. 01633 844970
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www.hammond-ltd.co.uk

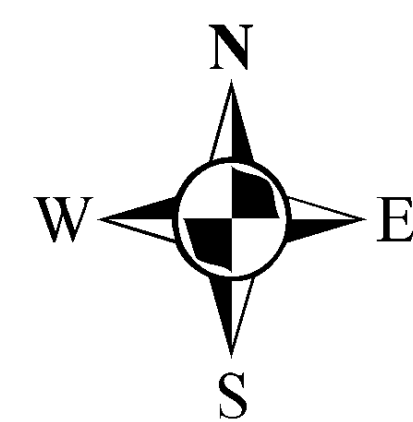
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APPENDIX C



Dŵr Cymru
Welsh Water

M-EC, Land east of A465, Abergavenny,
Monmouthshire



LEGEND(Representative of most common features)

Waste network:			
●	Foul chamber	○	Outfall
○	Surface water chamber	□	Lamp hole
○	Combined chamber	→	Storm Overflow
○	Combined sewer overflow	→	Rising main
○	Special purpose chamber	→	Gravity sewer
□	Treatment works	→	Private sewer
△	Pumping station	→	Private sewer subject to Sect. 104 adoption agreement
RED	Combined	→	Private Sewer Transfer
GREEN	Surface Water	→	Lateral Drain
BROWN	Foul	→	Inspection Chamber
Purple	Former S24 sewers (for indicative purposes only)		

NB: Sewer symbol colour indicates the type.

RED - Combined
GREEN - Surface Water
BROWN - Foul
Purple - Former S24 sewers (for indicative purposes only)

Notes:

Whilst every reasonable effort has been taken to correctly record the pipe material of DCWW assets, there is a possibility that in some cases, pipe material (other than Asbestos Cement or Pitch Fibre) may be found to be asbestos cement (AC) or Pitch Fibre (PF). It is therefore advisable that the possible presence of AC or PF pipes be anticipated and considered as part of any risk assessment prior to excavation

Dŵr Cymru Cyllyngefy (the Company) gives this information as to the position of its underground apparatus by way of general guidance only and on the basis of the best information available and to the best of its knowledge and belief. The accuracy of the information is not guaranteed and the Company is not responsible for any loss or damage caused by reliance on the information. The accuracy of the information is not guaranteed and the Company is not responsible for any loss or damage caused by reliance on the information. The accuracy of the information is not guaranteed and the Company is not responsible for any loss or damage caused by reliance on the information.

Service pipes are not generally shown but their presence should be anticipated.

EXACT LOCATIONS OF ALL APPARATUS TO BE DETERMINED ON SITE.

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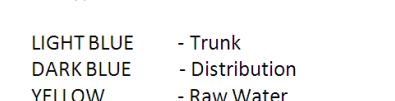
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Map scale: 1:1500
Printed by: Elan O'Donovan
Printed on: 25 Aug 2021



M-EC, Land east of A465, Abergavenny
Monmouthshire



Clean network



Notes:

Whilst every reasonable effort has been taken to correctly record the pipe material of DCWW assets, there is a possibility that in some cases, pipe material (other than Asbestos Cement or Pitch Fibre) may be found to be asbestos cement (AC) or Pitch Fibre (PF). It is therefore advisable that the possible presence of AC or PF pipes be anticipated and considered as part of any risk assessment prior to excavation

Dr. Cymru Cynhyrchu (The Company) gives this information as to the position of its underground apparatus by way of general guidance only and on the strict understanding that it is based on the best information available and no warranty as to its correctness is relied upon in the event of excavations or other works made in the vicinity of the company's apparatus. The Company is not responsible for any damage to its apparatus or for any loss or injury to persons or property caused by the Company, is done so in accordance with statutory requirements of sections 158 and 159 of the Water Industry Act 1991 which is based upon the best information available and, in particular, but without prejudice to the generality of the above, the Company is not responsible for any damage to its apparatus or for any loss or injury to persons or property caused by the main, service pipe, sewer, lateral drain or disposal main and any associated apparatus laid before 1 September 1989, or they do, the companies thereof including their position underground may not be accurate. It must be understood that the Company is not responsible for any damage to its apparatus or for any loss or injury to persons or property caused by the Company's right to be compensated for any damage to its apparatus.

Service pipes are not generally shown but their presence should be anticipated.

EXACT LOCATIONS OF ALL APPARATUS TO BE DETERMINED ON SITE.

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Map Ref: 330837,213756

Map scale: 1:1500

Printed by: Elan O'Donovan

Printed on: 25 Aug 2021

From: Ryan Norman [<mailto:Ryan.Norman@dwrcymru.com>]
Sent: 04 August 2021 15:20
To: Chris Kinsey <Chris.Kinsey@monmouthshirehousing.co.uk>
Cc: Rhys Evans <Rhys.Evans3@dwrcymru.com>; Rhodri Perry <Rhodri.Perry@dwrcymru.com>
Subject: FW: URGENT: DCWW Contacts

EXTERNAL E-MAIL ***

Hi Chris,

I've been passed the below email in Rhodri's absence.

I recall Rhodri and I having a call with you last year to discuss the site, and my understanding is that Rhodri had advised that HMAs would be required on both the water and sewerage networks.

I'm not aware of any subsequent conversations between Rhodri and yourself so apologies if any have taken place, but I cannot see that either HMA has been progressed. Without the benefit of a HMA, it's difficult to give any specific details on a potential requisition as any requisition design would be tendered out to our framework partners to pick up outline and detailed design.

What I can see from looking at the sewerage network is that there's a 150mm gravity foul sewer on the B4233 road bridge, but clearly this is too small a diameter to accommodate the foul flows from quantum of this development site so again the HMA would be needed to outline if this connection point is suitable and if subsequent network is sufficient to accommodate the site.

I'm presuming that you're progressing a drainage strategy in order to support the site as a candidate site at the LDP2 process – if this is the case, I would suggest that this level of detail isn't required at this stage though I do appreciate you probably want to understand costs etc, but we will be unable to offer this level of detail until a HMA is in place.

That said, we're happy to have a quick call with you to discuss the site if that'd be helpful and can offer Friday afternoon at 2pm?

Please let me know if this time is suitable, and if you have any plans of the site it'd be useful to have site of these beforehand.

Kind regards,



Ryan Norman

Lead Forward Plans Officer | Developer Services |
Dŵr Cymru Welsh Water

T: 0800 917 2652 | E: 40719 | M: 07557812548

A: PO Box 3146, Cardiff, CF30 0EH



W: dwrcymru.com

E: developer.services@dwrcymru.com

From: Ryan Norman <Ryan.Norman@dwrcymru.com>
Sent: 06 August 2021 15:15
To: Chris Kinsey <Chris.Kinsey@monmouthshirehousing.co.uk>
Cc: Rhys Evans <Rhys.Evans3@dwrcymru.com>; Rhodri Perry <Rhodri.Perry@dwrcymru.com>; 'Andrew Villis' <andrew.villis@quadconsult.co.uk>; 'James Scarborough' <James@gjplanning.co.uk>
Subject: RE: URGENT: DCWW Contacts

EXTERNAL E-MAIL ***

Hi Chris,

I thought it'd be useful to summarise what we discussed on the call.

Given this is a greenfield site with no existing infrastructure and the proposal is circa 650 units a hydraulic modelling assessment will be required in order to set out what reinforcement works are required, with the sewer requisition design dependant on the results of the HMA. When we progress the HMA, we will be guided by you with regard to what connection point(s) you would like us to look at. As discussed, we looked at the following potential connection points:

- North - The only available connection point east of the railway line is the 150mm foul sewer on the B4233 road bridge, though appreciative that this is somewhat away from the site;
- Central - In the vicinity of the railway station. Connection point to 150mm combined sewer on Station Road;
- South – Potential underpass where our 150mm trunk water main comes off the 9" trunk water main on the A465. This is something we would need to investigate further with regard to whether a) there is an underpass and b) there is the room to accommodate a foul sewer. Connection point to foul sewer on Ffordd Gobannium.

Permission will obviously need to be sought from National Rail and the Trunk Roads Agency with regard to any crossings over their infrastructure.

We welcome the early engagement on this site and are happy to continue dialogue. If there is any further information you require, please let me know.

Kind regards,



Ryan Norman

Lead Forward Plans Officer | Developer Services |
Dŵr Cymru Welsh Water

T: 0800 917 2652 | E: 40719 | M: 07557812548

A: PO Box 3146, Cardiff, CF30 0EH



W: dwrcymru.com

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APPENDIX D

**Company Address**

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

Our Ref: 22933882 26193

Tuesday, 10 August 2021

Claire Hosford
Mewies Engineering Consultants Ltd
Hugglescote
Leicestershire
LE67 2GB

Dear Claire Hosford

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:

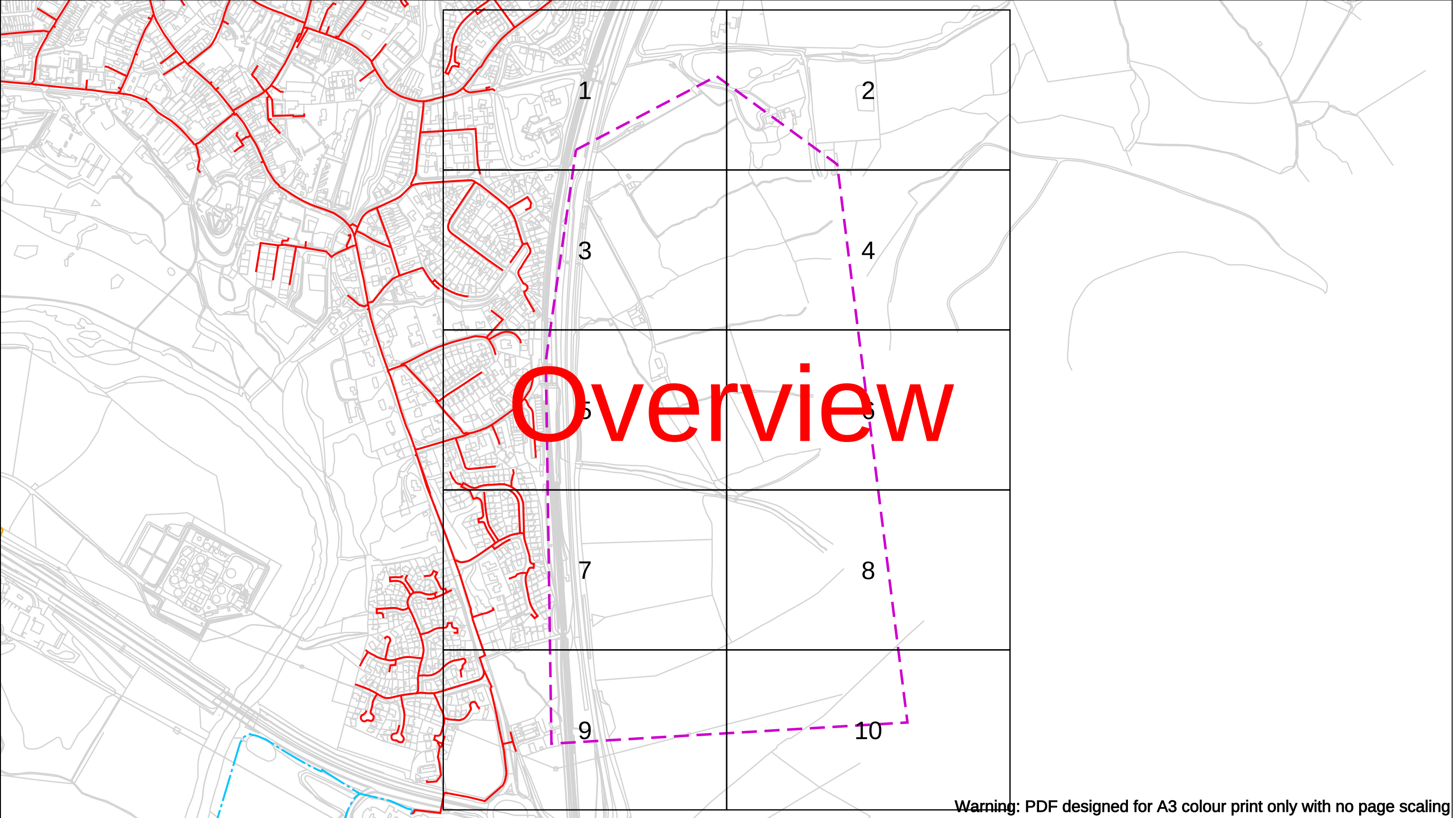
If you have a general enquiry, please call us on the following number

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



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Contact Us
Mapping Enquiries: 02920 278 912
General Enquiries: 0800 912 2999

Date Requested: 10/08/2021
Job Reference: 22933882
Site Location: 330852 213339

Requested by:
Mrs Claire Hosford
Your Scheme/Reference: 26193

Scale: 1:6406 (When plotted at A3)

- IMPORTANT NOTICES
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 - If in doubt call the WWU dig team on 02920 278912

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

WALES & WEST UTILITIES

Smell gas?
Call the Gas Emergency Service on
0800 111 999.

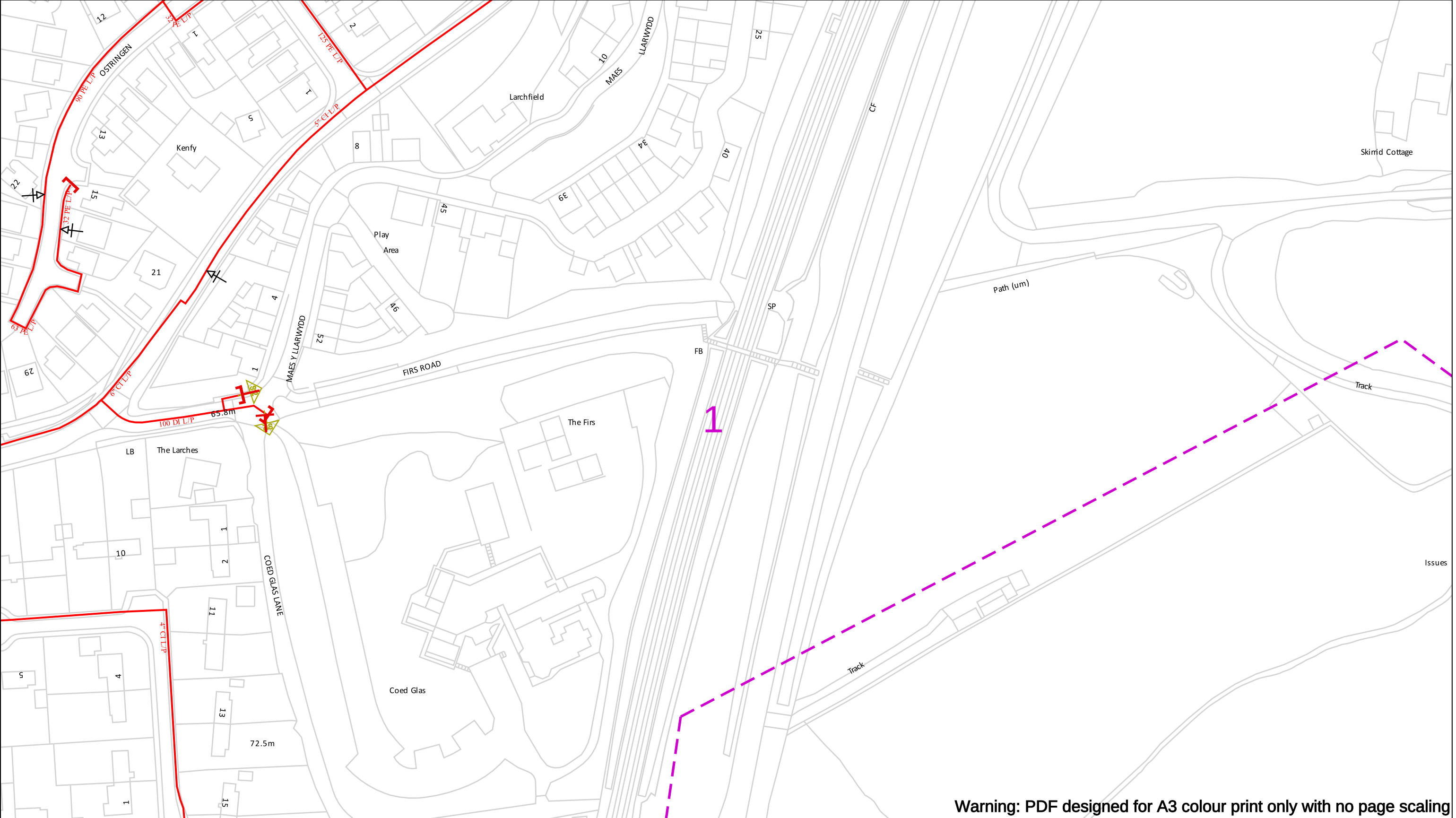
Dial before you dig

We need 10 days' notice

Dial
Call **029 2027 8912**
before you start work.

Investigate
Before you dig, make sure
you know what's below.

Go ahead
Done your research?
Now you can dig safely.



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Contact Us
Mapping Enquiries: 02920 278 912
General Enquiries: 0800 912 2999

Date Requested: 10/08/2021
Job Reference: 22933882
Site Location: 330852 213339

Requested by:
Mrs Claire Hosford
Your Scheme/Reference: 26193

Scale: 1:1250 (When plotted at A3)

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100m

Dig Sites

	Low Pressure (LP) 21mbar – 75mbar
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	Intermediate Pressure (IP) 2bar – 7bar
	High Pressure (HP) >7bar

Area: **Line:**

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

Wales & West Utilities

Dial before you dig

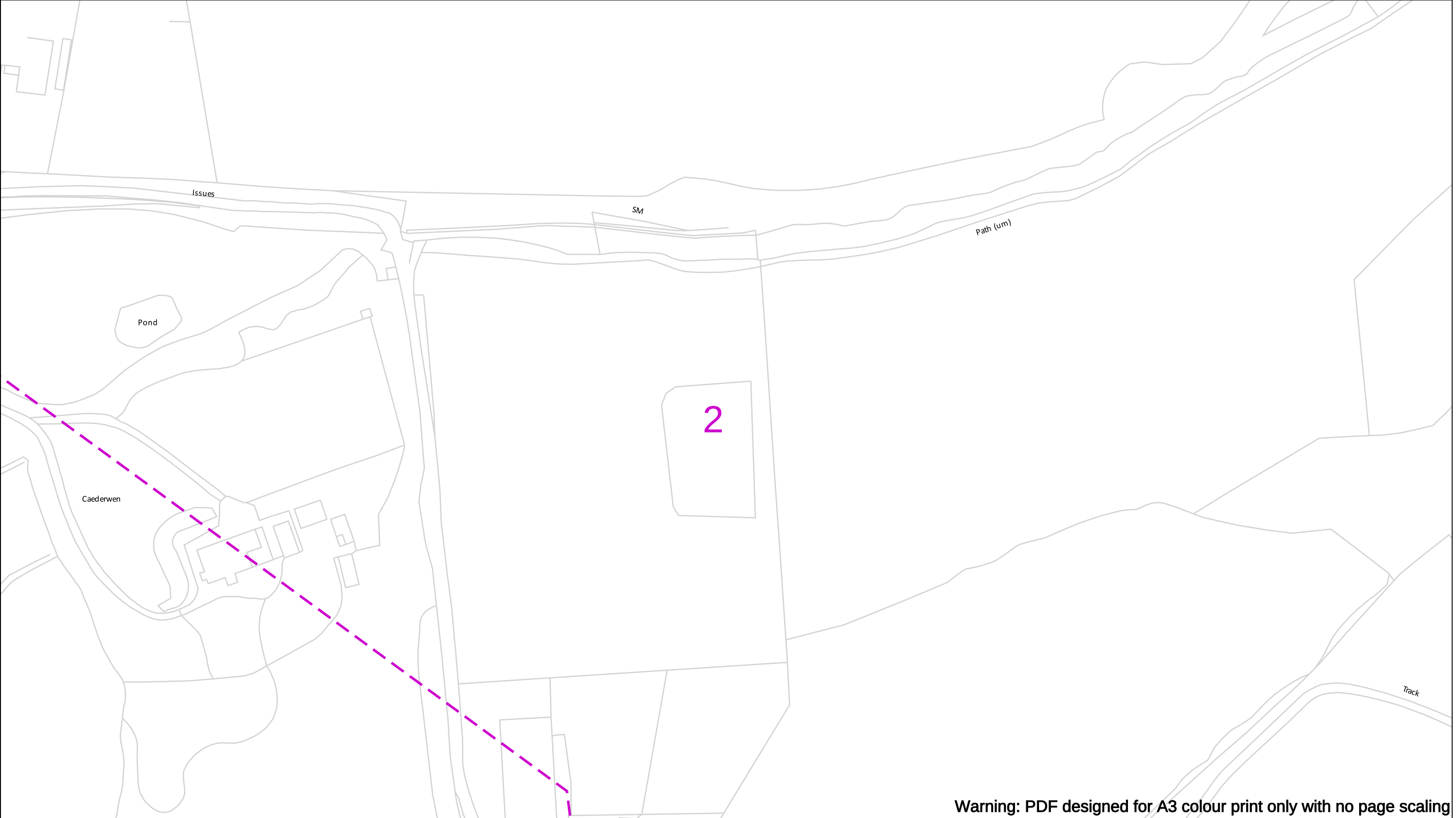
We need 10 days' notice

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Dial
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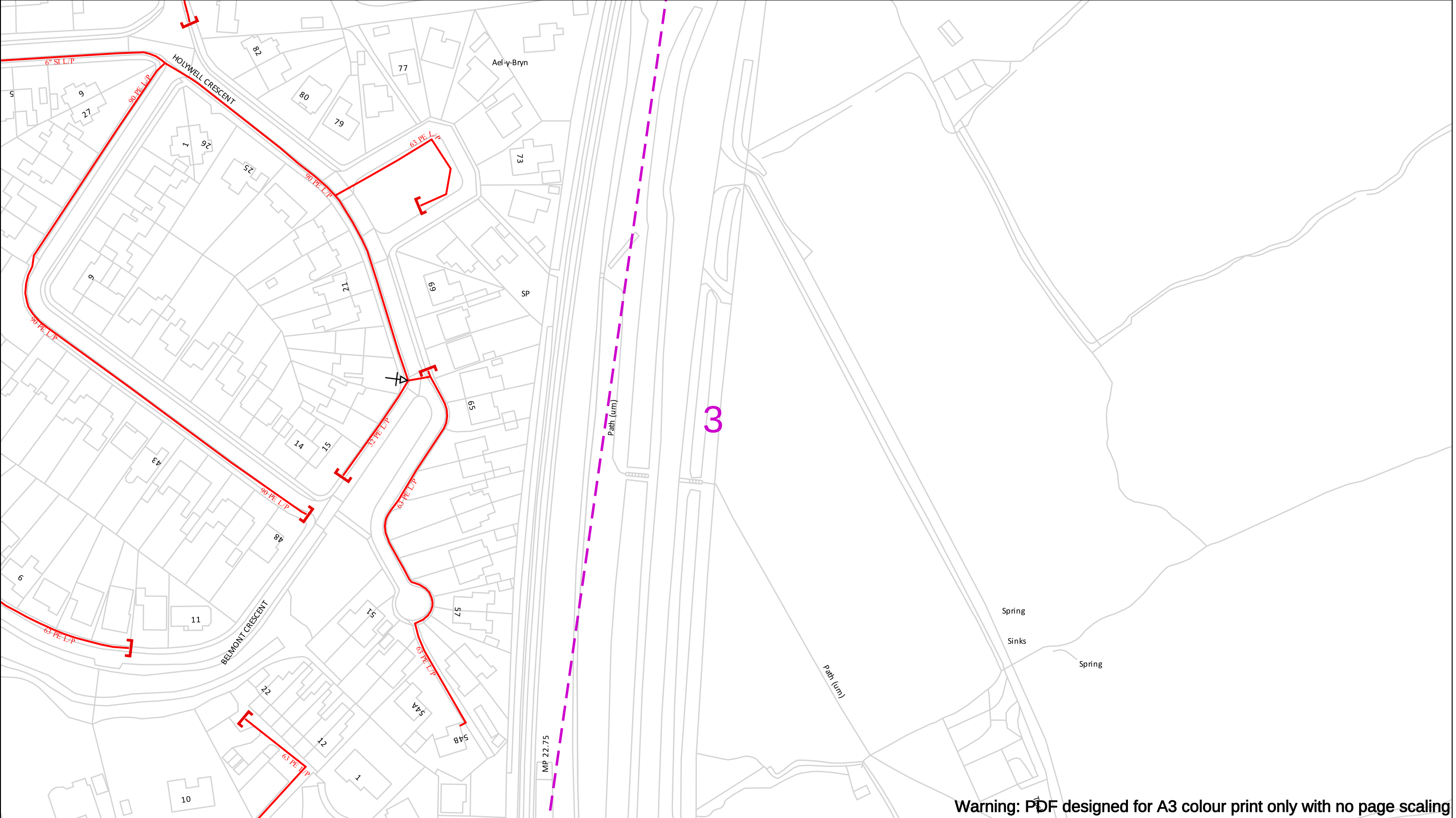
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Contact Us Mapping Enquiries: 02920 278 912 General Enquiries: 0800 912 2999 Date Requested: 10/08/2021 Job Reference: 22933882 Site Location: 330852 213339 Requested by: Mrs Claire Hosford Your Scheme/Reference: 26193 Scale: 1:1250 (When plotted at 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 (WWU) 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 practices in accordance with HS(G)47 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 WWU dig team on 02920 278912	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 100m Line/Fire Valve Governor Station Change of Diameter End Cap Depth of cover	WALES&WEST UTILITIES Dial before you dig We need 10 days' notice Smell gas? Call the Gas Emergency Service on 0800 111 999. Dial Call 029 2027 8912 before you start work. Investigate Before you dig, make sure you know what's below. Go ahead Done your research? Now you can dig safely.
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General Enquiries: 0800 912 2999

Date Requested: 10/08/2021
Job Reference: 22933882
Site Location: 330852 213339
Requested by:
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In case of an emergency call 0800 111 999

100m

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

WALES&WEST UTILITIES

Dial before you dig

We need 10 days' notice

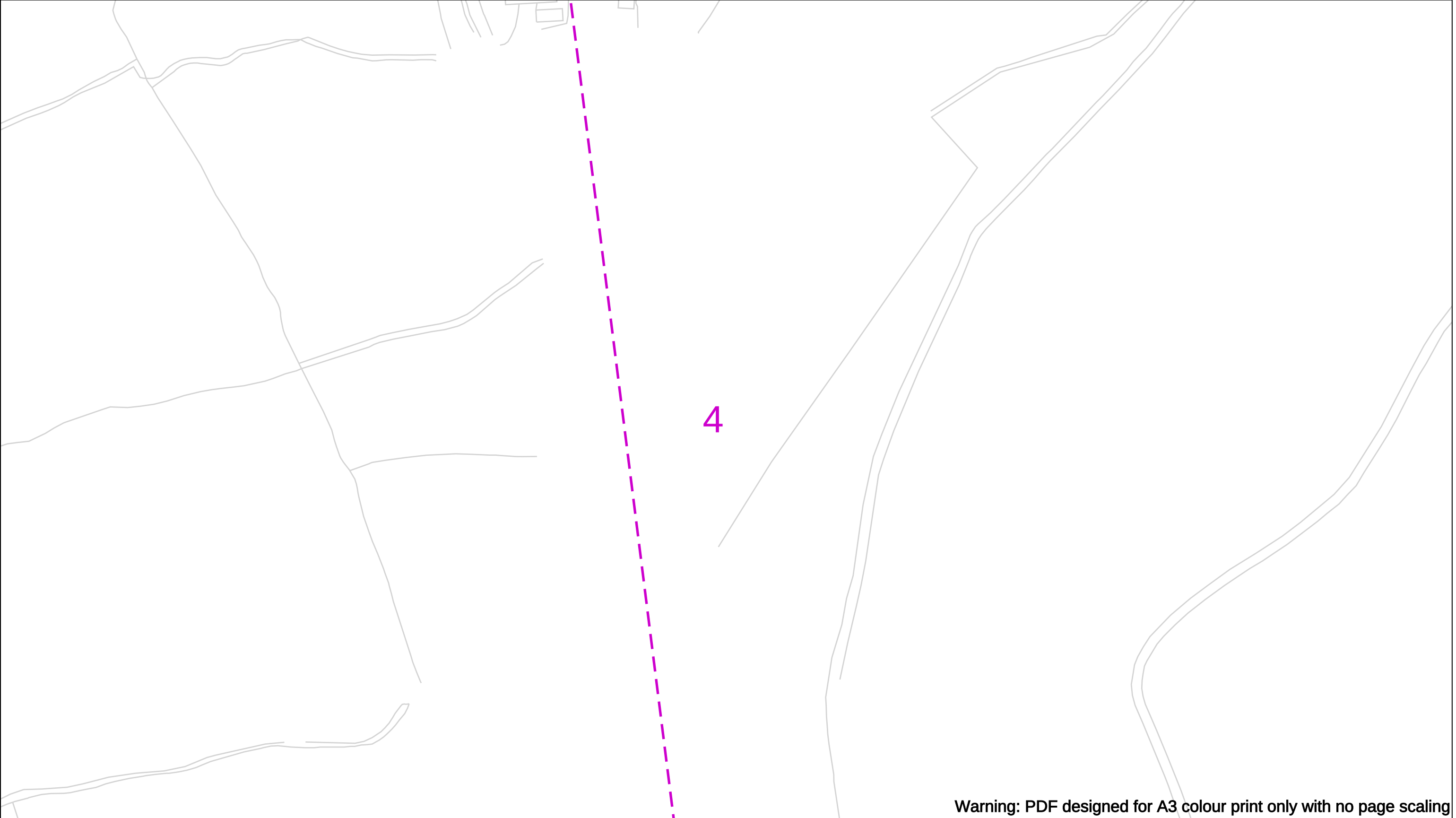
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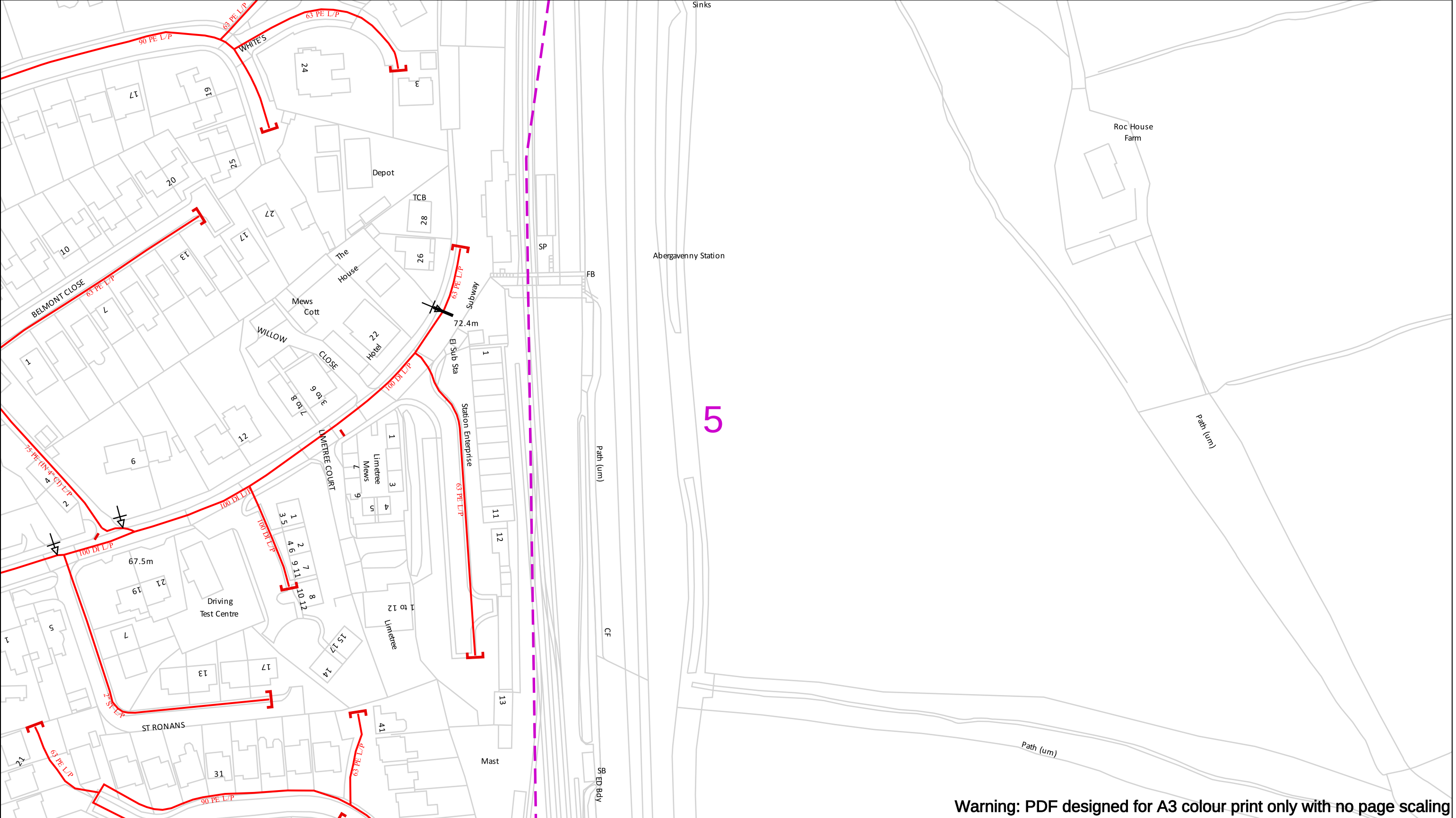
Go ahead
Done your research? Now you can dig safely.

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Contact Us Mapping Enquiries: 02920 278 912 General Enquiries: 0800 912 2999 Date Requested: 10/08/2021 Job Reference: 22933882 Site Location: 330852 213339 Requested by: Mrs Claire Hosford Your Scheme/Reference: 26193 Scale: 1:1250 (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 (WWU) 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 practices in accordance with HS(G)47 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 WWU dig team on 02920 278912 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   We need 10 days' notice  Smell gas? Call the Gas Emergency Service on 0800 111 999.  Dial before you start work. Call 029 2027 8912  Investigate Before you dig, make sure you know what's below.  Go ahead Done your research? Now you can dig safely. Crown Copyright © - Reproduced by permission of Ordnance Survey on behalf of HMSO. And database right 2020. All rights reserved. Ordnance Survey Licence number 0100044308.
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In case of an emergency call 0800 111 999

100m

Dig Sites	Area:	Line:
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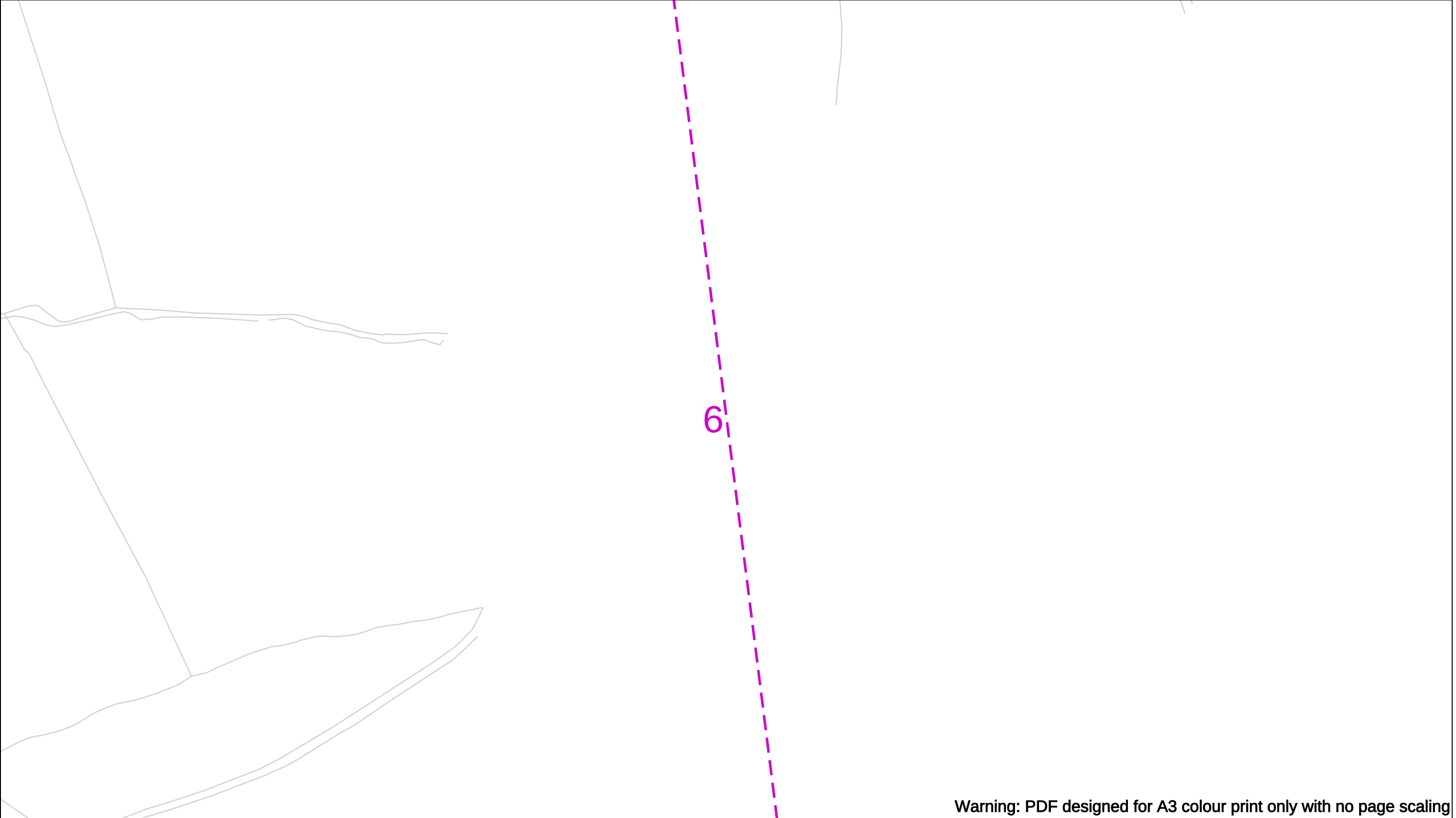
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	Governor Station
	Change of Diameter
	End Cap
	Depth of cover

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Area: Line:

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

100m

Wales & West Utilities

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Dial
before
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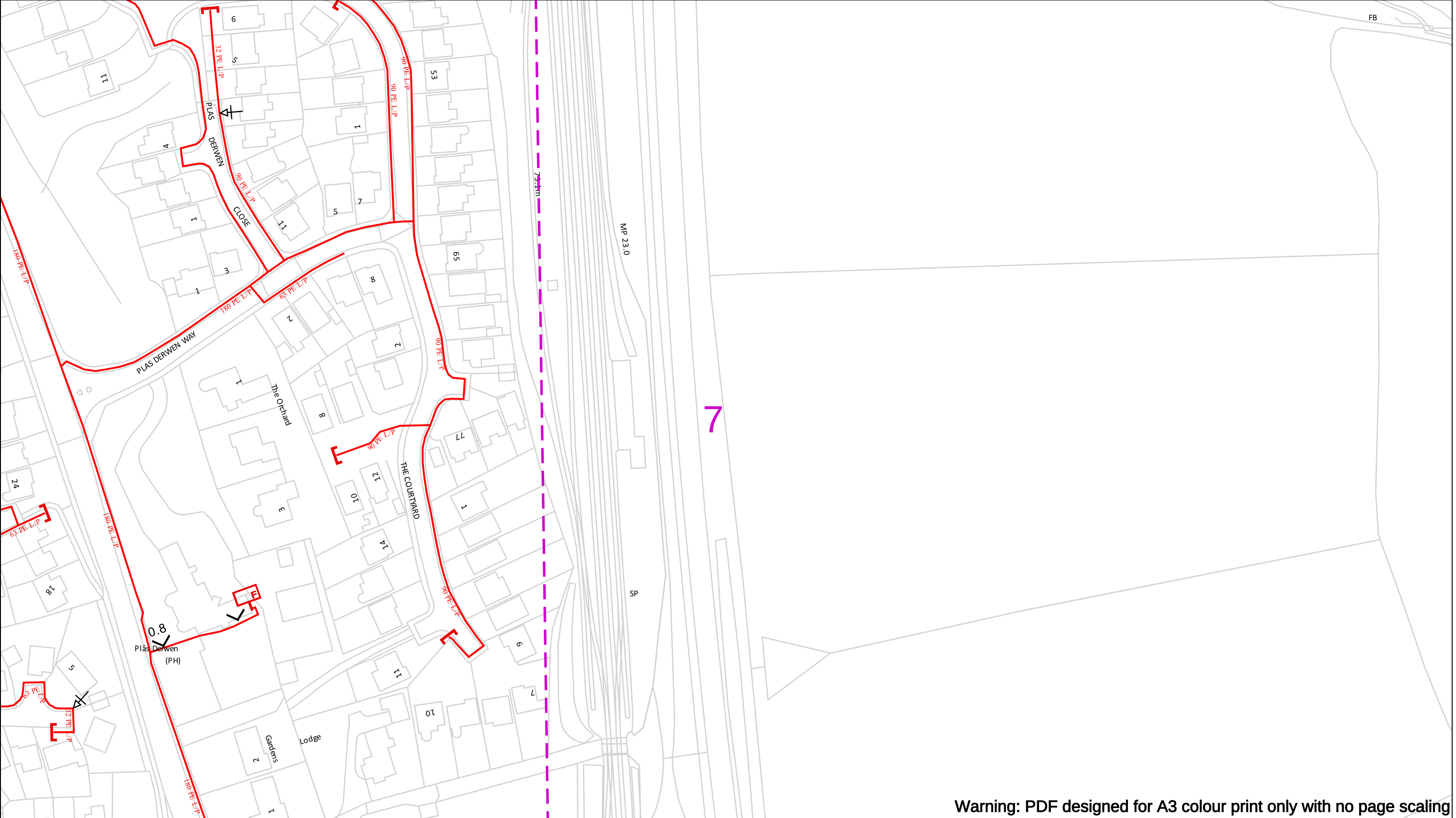
We need
10 days*
notice

Dial
before you start work.
Call 029 2027 8912

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100m

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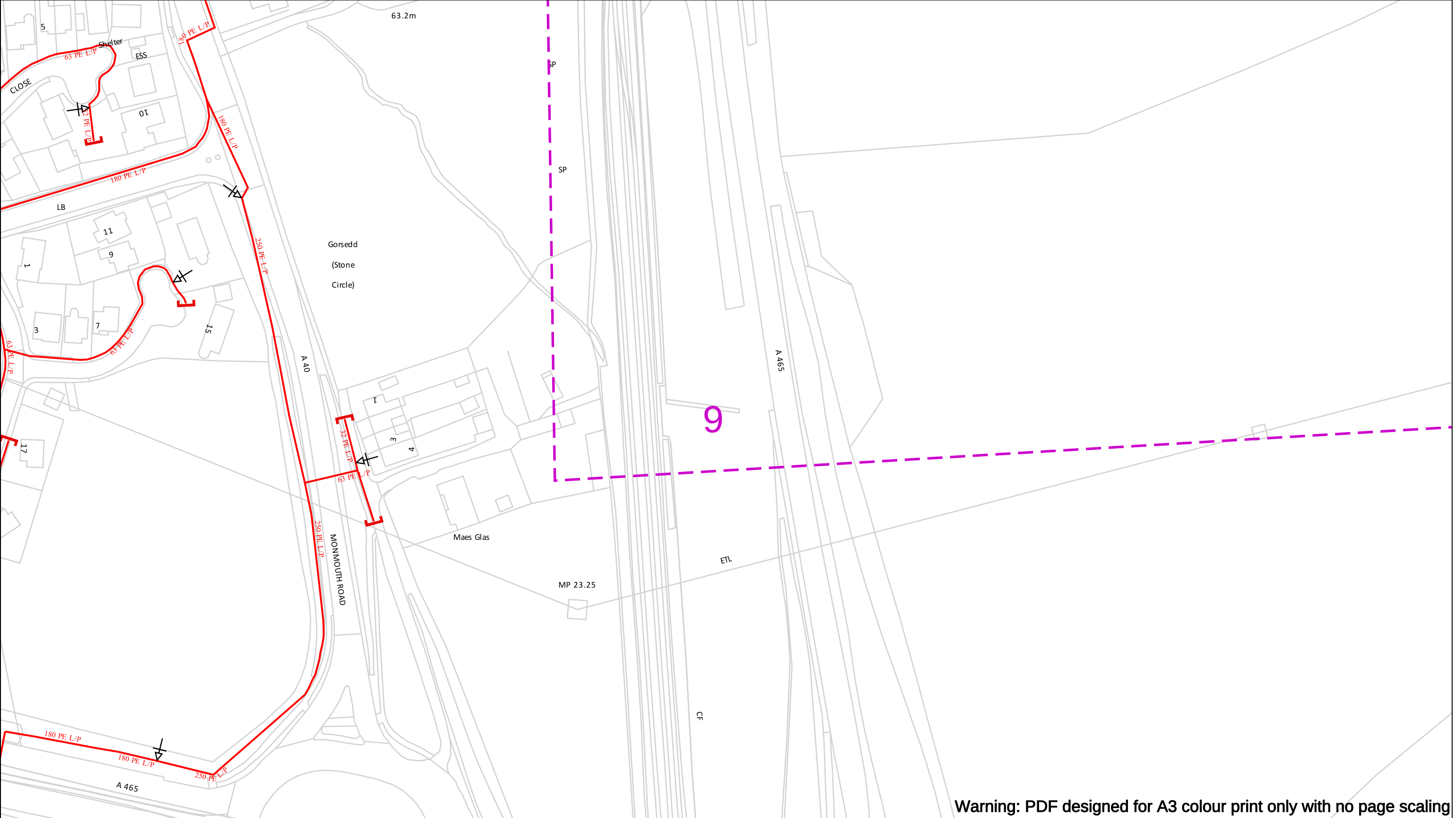
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100m

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	Line/Fire Valve
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Our Reference Number : 7100006009
Your Reference Number : 26193



Wales & West House
Spooner Close
Celtic Springs
Coedkernew
Newport NP10 8FZ
www.wwutilities.co.uk

FAO:

Date :
Network Contact :
Telephone :
Fax :
Email :

Dear ,

Re:

Thank you for your Enquiry dated , which we received on .

The nearest main is 105m from the site boundary, and is located . This is a 063mm main.

The availability of capacity is based on estimated gas consumption, it is therefore not guaranteed. Please note that at the stage of requesting a quotation for this site, we will require accurate gas consumption details.

Plans Attached :

If you have any queries, please contact on who will be happy to assist you.

Any information you provide as part of this application process for our services will only be used in accordance with our privacy notice statement which can be found on our website www.wwutilities.co.uk. Alternatively a paper copy can be provided to you on your request by contacting our Data protection Officer at DataProtection@wwutilities.co.uk

Yours sincerely,

Wales & West Utilities

24 hour gas escape number
Rhif 24 awr os bydd nwy yn gollwng

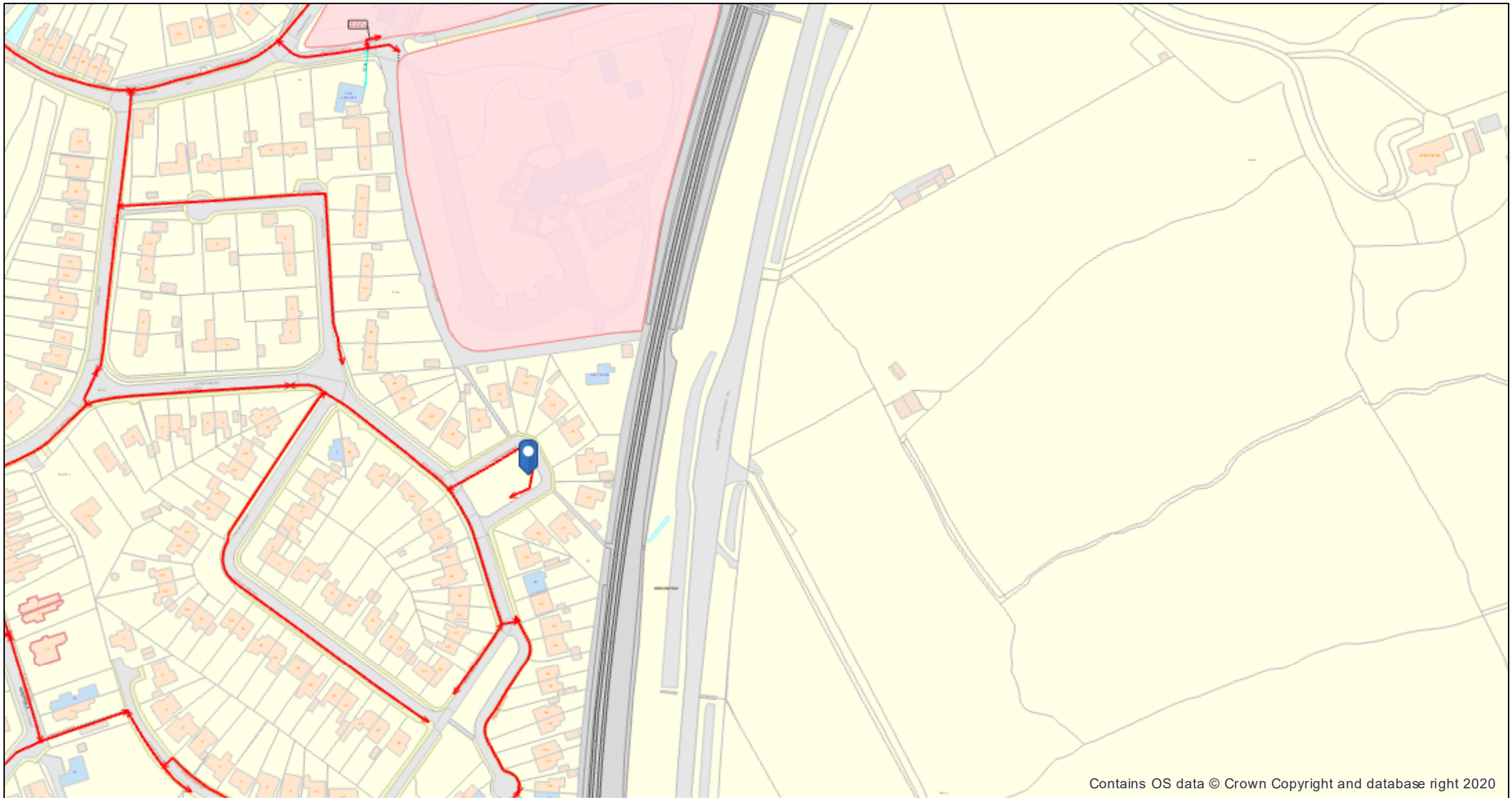
0800 111 999*

*calls will be recorded and may be monitored
caiff galwadau eu recordio a gellir eu monitro

3PC400

Wales & West Utilities Limited

Registered Office:
Wales & West House, Spooner Close, Coedkernew, Newport NP10 8FZ
Registered in England and Wales: No. 5046791



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The plan shows those pipes owned by Wales & West Utilities or the relevant Gas Distribution Network in their roles as Licenced Gas Transporters (GT). Gas Pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof 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 & West Utilities, the relevant Gas Distribution Network, or their agents, servants or contractors for any error or omission. 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 and 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 or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

- 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

Print Out

Date: 13/08/2021	Project:
Designer:	
Scale: 1:2,500 @A4	
Drawing Number:	
Grid Reference:	Easting: 330,627 Northing: 213,979

Claire Hosford

From: john.p.lovelock@wwutilities.co.uk
Sent: 12 August 2021 07:55
To: Claire Hosford
Subject: 8180425646 Admin Charge Land East of A465
Attachments: 8180425646-Admin Charge Request Letter.PDF

Good morning Clare,

Thank you for your enquiry, this has now been raised pending receipt of the attached design charge

Based on the co-ordinates on for email, the nearest main that is on the right side of the train tracks is 330767, 214402 difficult to say how far from site as no site plan provided. The nearest postcode to site NP7 9ST

Estimated cost of mains and services on site would be approximately £630,000 plus the approach main to site and any additional cost from Network Rail should we need to cross the rail line. Until we have received the admin charge, we are unable to provide any further information regarding reinforcement contributions if required as we will need to carry out a network analysis, we will also require a site plan

I want to update you on some changes we are making to how we charge for connecting businesses and multiple homes to the gas network, which also includes budget requests.

As from 19.07.2021, when you request a quote to connect businesses and multiple homes to the gas network, you will be charged a design fee of between £182 and £607 (plus vat) – dependent on your expected gas demand/usage. This reflects the amount of work required to produce detailed design plans.

When you've paid the design fee, we'll provide you with a quote for the connection that will be valid for 90 days. If you're happy with the cost, you can accept it and make payment, and we'll contact you to arrange the work. We will finish the work and have you on gas within the timescales agreed.

Connections to individual homes will not be affected by this change.

We notified our regulator, Ofgem, of the proposed change in February 2021. We published our revised Connection Charging Methodology in March and updated our charging document in May. You can read these here:

- Principles and Methods Statement for Connection Charging – March 2021 [WWU Charging Methodology - 4b](#)
- Connections and other Distribution Services Charges – May 2021 [WWU Connections Distribution Services Charges](#)

If you have any questions or queries about this change, please do not hesitate to respond to this email.

Thank you in advance for your assistance, stay safe

Kind Regards

John Lovelock

Technical Assistant Above 275kWh

02920 278 761

john.p.lovelock@wwutilities.co.uk

gtuip@wwutilities.co.uk

Wales & West House | Spooner Close | Celtic Springs
Coedkernew | Newport | NP10 8FZ

Our privacy notice can be found on our website (<http://www.wwutilities.co.uk/legal/>) or a paper copy can be provided to you on your request. This sets out how we will collect and use information about you.

Wales & West Utilities are always striving to provide excellent customer services, and are continually looking for ways to improve. To help us achieve this, we would be very grateful if you could please complete the customer satisfaction survey; you can do this by clicking on the link below. This is your opportunity to provide feedback on how we are performing and for any suggestions as to how we can make any improvements to the way we work. [complete the survey](#)

Generally, our attachments will be in PDF format. You will need version 7 of 'Acrobat Reader' or greater to view the attachments correctly.

This is an information only e-mail. Please do not reply to this message via e-mail. This address is automated, unattended and cannot respond to queries or requests. If you have a query, please contact the network contact detailed in the attached correspondence in the first instance.

Alternatively, you can contact us via:

Tel: 0800 912 29 99

Email: enquiries@wwutilities.co.uk

Generally, our attachments will be in PDF format. You will need version 7 of 'Acrobat Reader' or greater to view the attachments correctly.

Having an incompatible PDF reader may result in fields in your quotation letter such as Description of Works and Cost being blank or 0. If you experience this, please contact the Network Contact on the 1st page of your quotation. You will also receive a copy of your quotation in the post that will contain the correct values in all fields.

PLEASE DO NOT RETURN YOUR ACCEPTANCE FROM IF IT HAS BLANK ENTRIES AS WE WILL BE UNABLE TO PROCESS YOUR ACCEPTANCE AND THIS MAY CAUSE A DELAY IN PLANNING YOUR WORK

For further information about how to open PDF files go to <http://www.adobe.com>





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Wales & West Utilities Limited

Registered office: Wales & West House, Spooner Close, Celtic Springs, Coedkernew, NEWPORT NP10 8FZ

Registered in England and Wales No 5046791

Our Reference Number : 8180425646

Your Reference Number :



Wales & West House
Spooners Close
Celtic Springs
Coedkernew
Newport NP10 8FZ

www.wwutilities.co.uk

FAO:

Date :
Network Contact :
Telephone :
Fax :

Re:

Dear

The gas works on this request are subject to a quotation administrative charge.

WWU Quotation Administrative Charge Fee (Inclusive of VAT): £

The job has therefore been deferred until we receive confirmation of payment in order to progress with the quotation.

If you wish to proceed and make payment, this can be made via our secure online payment portal:

You will be asked to:

- Agree to additional terms and conditions for use of the site
- To enter our reference number - 8180425646 (Please do not use your original quotation reference)
- To enter your **personal security code** for this quotation which is **9781**

A signed acceptance is not required if you make payment.

Please note any delay in making payment will impact our ability to progress the quotation.

The validity of this quotation administrative charge is 28 days.

If you have any queries please contact on who will be happy to assist you.

Any information you provide as part of this application process for our services will only be used in accordance with our privacy notice statement that can be found on our website www.wwutilities.co.uk. Alternatively, a paper copy can be provided to you on your request by contacting our Data Protection Officer (DataProtection@wwutilities.co.uk).

Yours sincerely

Wales & West Utilities

24 hour gas escape number
Rhif 24 awr os bydd nwy yn gollwng

0800 111 999*

*calls will be recorded and may be monitored
caiff galwadau eu recordio a gellir eu monitro

BSL110

Wales & West Utilities Limited

Registered Office:
Wales & West House, Spooners Close, Coedkernew, Newport NP10 8FZ
Registered in England and Wales: No. 5046791

APPENDIX E

Our Ref: 22933882 26193

Tuesday, 10 August 2021

Claire Hosford
Mewies Engineering Consultants Ltd

Leicestershire
LE67 2GB

National Grid House
Warwick Technology Park
Gallows Hill, Warwick
CV34 6DA

Electricity Emergency Number:
0800 40 40 90*
*Available 24 hours, 7 days/week.
Calls may be recorded and monitored.
www.nationalgrid.com

Asset Protection
Gas Transmission
National Grid
Warwick
Email: assetprotection@nationalgrid.com

National Grid Electricity – Moderate Response Letter

Dear Sir/ Madam,

An assessment has been carried out with respect to National Grid Electricity Transmission plc's apparatus and the proposed work location. Based on the location entered into the system for assessment the area has been found to be outside the High Risk zone from National Grid Electricity Transmission plc's apparatus and can proceed. Should the work area change or type of activity being undertaken, a new enquiry shall be submitted for assessment.

Please carefully read the guidance notes on the next pages.

You will have received cable route drawings if your enquiry is located within the Medium Risk zone from National Grid Electricity Transmission buried assets. Please familiarise yourself with the location of these assets and should the works location change a new enquiry shall be submitted for assessment.

Please note this response and any attached map(s) are valid for 28 days.

Yours sincerely

Asset Protection Team

Your Responsibilities and Obligations

The "Assessment" Section below outlines the detailed requirements that must be followed when planning or undertaking your activities at this location.

It is your responsibility to ensure that the information you have submitted is accurate and that all relevant documents including links are provided to all persons (either direct labour or contractors) working for you near National Grid Electricity Transmission plc's apparatus, e.g. as contained within the Construction (Design and Management) Regulations.

This assessment solely relates to National Grid Electricity Transmission plc (NGET)

This assessment does **NOT** include:

- National Grid's legal interest (easements or wayleaves) in the land which restricts activity in proximity to National Grid's assets in private land. You must obtain details of any such restrictions from the landowner in the first instance and if in doubt contact Asset Protection.
- Recently installed apparatus
- National Grid Gas Transmission plc.
- Apparatus owned by other organisations, e.g. Cadent, other gas distribution operators, local electricity companies, other utilities, etc.

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities.

This communication does not constitute any formal agreement or consent for any proposed development work; either generally or with regard to National Grid Electricity Transmission plc easements or wayleaves nor any planning or building regulations applications.

National Grid Electricity Transmission plc or their agents, servants or contractors do not accept any liability for any losses arising under or in connection with this information. This limit on liability applies to all and any claims in contract, tort (including negligence), misrepresentation (excluding fraudulent misrepresentation), breach of statutory duty or otherwise. This limit on liability does not exclude or restrict liability where prohibited by the law nor does it supersede the express terms of any related agreements.

If you require further assistance please contact the Asset Protection team via e-mail (assetprotection@nationalgrid.com) or via the contact details at the top of this response.

GUIDANCE

National Grid Electricity Transmission Network data

- The Network map for National Grid Electricity Transmission assets can be downloaded at the following link in GIS format.

<https://www.nationalgrid.com/uk/electricity-transmission/network-and-infrastructure/network-route-maps>

Overhead Lines

- National Grid's Overhead Line/s is protected by a Deed of Easement/Wayleave Agreement which provides full right of access to retain, maintain, repair and inspect our asset.
- The submitted proposed design does not change after the date of this letter. Any design change that moves the proposal closer to National Grid Overhead Line Assets shall be submitted for assessment.
- Statutory electrical safety clearances shall be maintained at all times. National Grid recommends that no permanent structures are built directly beneath our overhead lines. These distances are set out in EN 43 – 8 Technical Specification for "Overhead Line Clearances Issue 5 (2019). To purchase & download EN 43 – 8 Technical Specification for "Overhead Line Clearances Issue 5 (2019) go to <https://www.ena-eng.org/ENA-Docs/>
- Any changes in ground levels which are proposed either beneath or in close proximity to our existing overhead lines would serve to reduce safety clearances. Safety clearances to existing overhead lines must be maintained in all circumstances.
- To view the Development Near Overhead Lines Document.
<https://www.nationalgridet.com/document/130626/download>
- To view the National Grid Third Party Guidance for working near National Grid Electricity Transmission equipment.
<https://www.nationalgridet.com/sites/et/files/documents/Working%20near%20electricity%20equipment.pdf>
- The relevant guidance in relation to working safely near to existing overhead lines is contained within the Health and Safety Executive's (www.hse.gov.uk) Guidance Note GS 6 "Avoidance of Danger from Overhead Electric Lines."
- If a landscaping scheme is proposed as part of the proposal, only slow and low growing species of trees and shrubs shall be planted beneath and adjacent to the existing overhead line to reduce the risk of growth to a height which compromises statutory safety clearances.
- Drilling or excavation works shall not be undertaken if they have the potential to disturb or adversely affect the foundations or "pillars of support" of our towers. These foundations extend beyond the base of the tower. Pillar of Support drawings shall be obtained using the contact details above.
- Due to the scale, bulk and cost of the transmission equipment required to operate at 275kV or 400kV we only support proposals for the relocation of existing high voltage overhead lines where such proposals directly facilitate a major development or infrastructure project of national importance which has been identified as such by government.
- To promote the successful development of sites crossed by existing overhead lines, and the creation of well-designed places, National Grid has produced 'Design guidelines for development near pylons and high voltage overhead power lines', which look at how to create high quality development near overhead lines and offer practical solutions which can assist in avoiding the unnecessary sterilisation of land in the vicinity of high voltage overhead lines.

- Further information regarding our undergrounding policy and development near transmission overhead lines is available on our website at: <https://www.nationalgridet.com/network-and-assets/planning-and-development>

Buried Cables

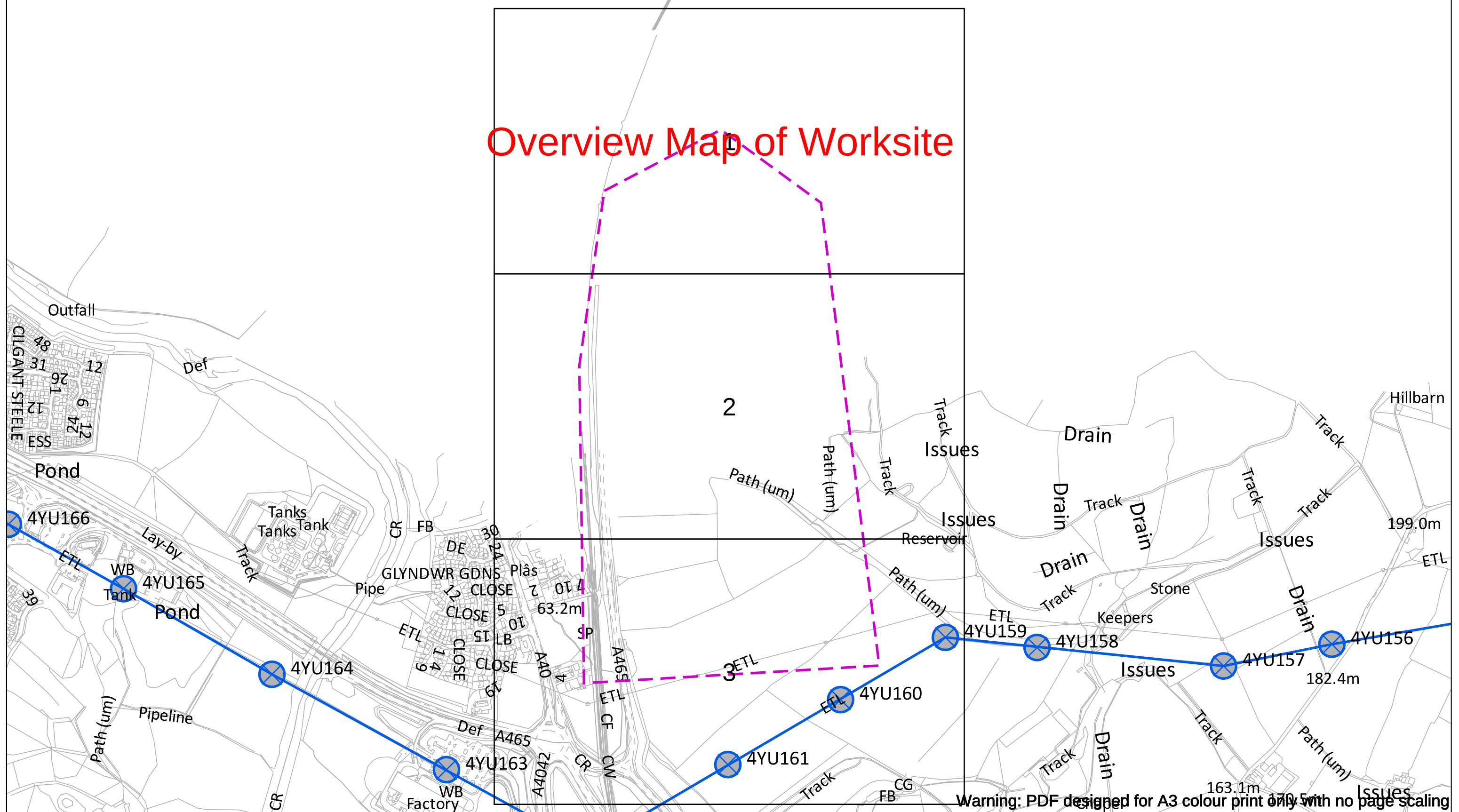
- National Grid's underground cables are protected by a Deed of grant; Easement; Wayleave Agreement or the provisions of the New Roads and Street Works Act. Which provide full right of access to retain, maintain, repair and inspect our asset. Hence we require that no permanent structures are to be built over our cables or within the easement strip.
- Ground levels above our cables must not be altered in any way. Any alterations to the depth of our cables will subsequently alter the rating of the circuit and can compromise the reliability, efficiency and safety of our electricity network.
- The supplied detailed route records should not be taken as positive indication of the cable location. This can only be determined by digging trial holes. Where trial holes are dug the concrete and / or polymeric cable protection tiles must not be disturbed.
- The normal recommendation is to keep 2 metres clear either side of the 1 metre wide trench containing the AC cable.
- National Grid should be made aware of the works starting and may put in place a representative to monitor the works. The works should be carried out in accordance with the recommendations in document HS (G) 47 available from the HSE web site.
- The relocation of existing underground cables is not normally feasible on grounds of cost, operation and maintenance and environmental impact and we believe that successful development can take place in their vicinity.
- The information supplied is given in good faith and only as a guide to the location of our underground cables. The accuracy of this information cannot be guaranteed. The physical presence of such cables may also be evident from physical protection measures such as ducts or concrete protection tiles. The person(s) responsible for planning, supervising and carrying out work in proximity to our cable(s) shall be liable to us, as cable(s) owner, as well as to any third party who may be affected in any way by any loss or damage resulting from their failure to locate and avoid any damage to such a cable(s).
- The relevant guidance in relation to working safely near to existing underground cables is contained within the Health and Safety Executive's (www.hse.gov.uk) Guidance HS(G)47 "Avoiding Danger From Underground Services" and all relevant site staff should make sure that they are both aware of and understand this guidance.
- Our cables are normally buried to a depth of 0.9 metres to the protective covers but this depth can vary depending on location (bridges may have cables 100mm below surface level)..The specific cable route record drawings show further details along the route of the particular cable. The cable route drawings are attached to this letter for your information.
- Cables installed in cable tunnels, whilst less likely to be affected by surface or shallow works may be affected by activities such as piling.
- National Grid assets can be adversely affected by vibration and can provide guidance on the acceptable levels of vibration due to piling and other construction related operations in the vicinity of national grid assets
- Ground cover above our cables should not be reduced or increased without consultation with National Grid.

- If a landscaping scheme is proposed as part of the works, we request that no trees and shrubs are planted either directly above or within 3 metres of the existing underground cable, as ultimately the roots may grow to cause damage to the cable.

Cables Tunnels

- National Grid's underground cable tunnels are protected by the provisions of a Wayleave/Easement or the New Roads and Street Works Act. This provides full right of access to retain, maintain, repair and inspect our asset.
- Further information and guidance regarding National Grid Cable Tunnels is available on our website at <https://www.nationalgrid.com/uk/electricity-transmission/document/121061/download>
- National Grid requires that the clearances indicated in the guidance document linked above are maintained at all times. Should it be necessary to enter the exclusion zone discussion/ agreement with National Grid is required to ensure the integrity of their tunnel asset and the high voltage cables is not compromised.
- Ground levels above our cable tunnels must not be altered in any way without prior agreement with National Grid; any alterations to the depth of our tunnels can compromise its integrity which could have an adverse impact on the reliability, efficiency and safety of our electricity network.
- Any works which would create high levels of vibration such as piling would need to be assessed by National Grid to ensure it has limited impact on our cable tunnels. National Grid can advise on acceptable vibration limits.

Overview Map of Worksite



EXTREME CAUTION - HIGH VOLTAGE
****RISK OF DEATH OR SERIOUS INJURY****

IMPORTANT NOTICES

This plan shows those pipes owned by National Grid Electricity Transmission plc in its role as a Licensed Electricity Transporter (ET). Electricity cables owned by other ETs, or otherwise privately owned, may be present in this area. Information with regards to such cables should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Ancillary equipment such as cooling systems and communication cables are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Electricity Transmission plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HSG47, must be used to verify and establish the actual position of cables 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 electricity apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

National Grid Electricity Emergency Number: 0800 40 40 90
Available 24 hours, 7 days/week. Calls may be recorded and monitored

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

Dig Sites

Area:



Line:



Underground Cables

Overhead Lines

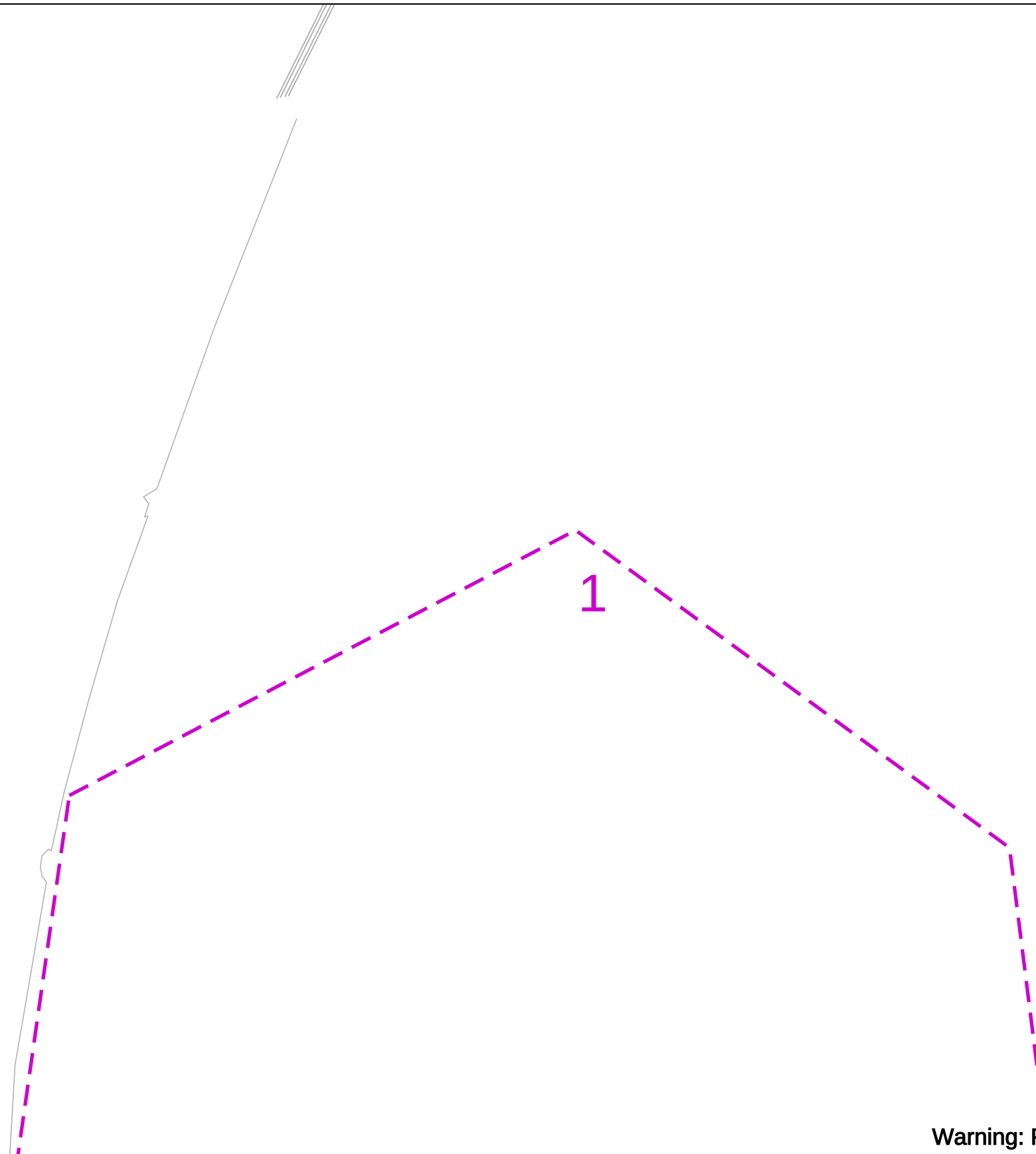
Date Requested: 10/08/2021
Job Reference: 22933882
Site Location: 330852 213339
Requested by:
Mrs Claire Hosford
Your Scheme/Reference: 26193

Scale: 1:7688 (When plotted at A3)

nationalgrid

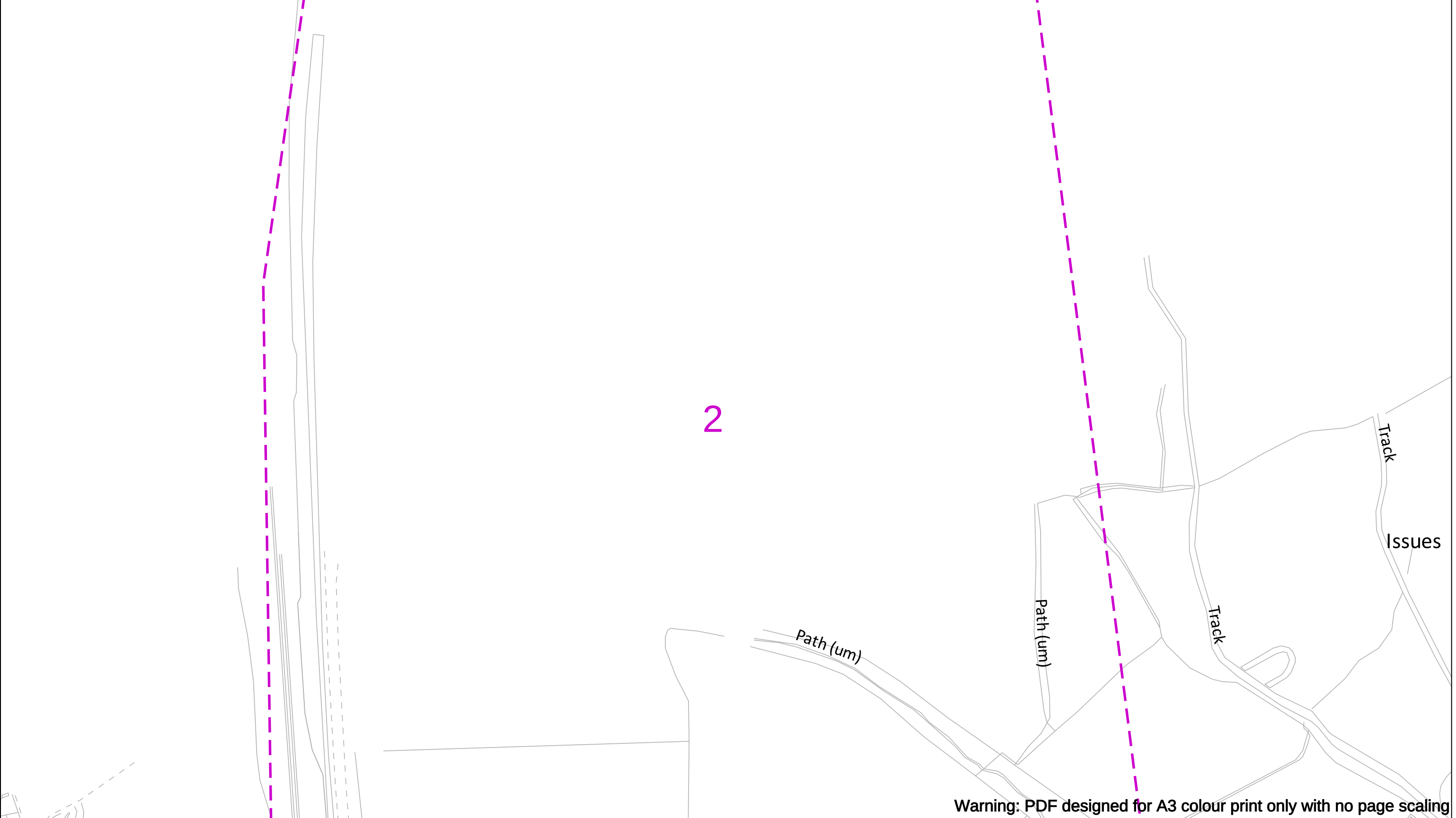
NationalGrid House
Warwick Technology Park
Gallows Hill
Warwick
CV34 6DA

AssetProtection@NationalGrid.com



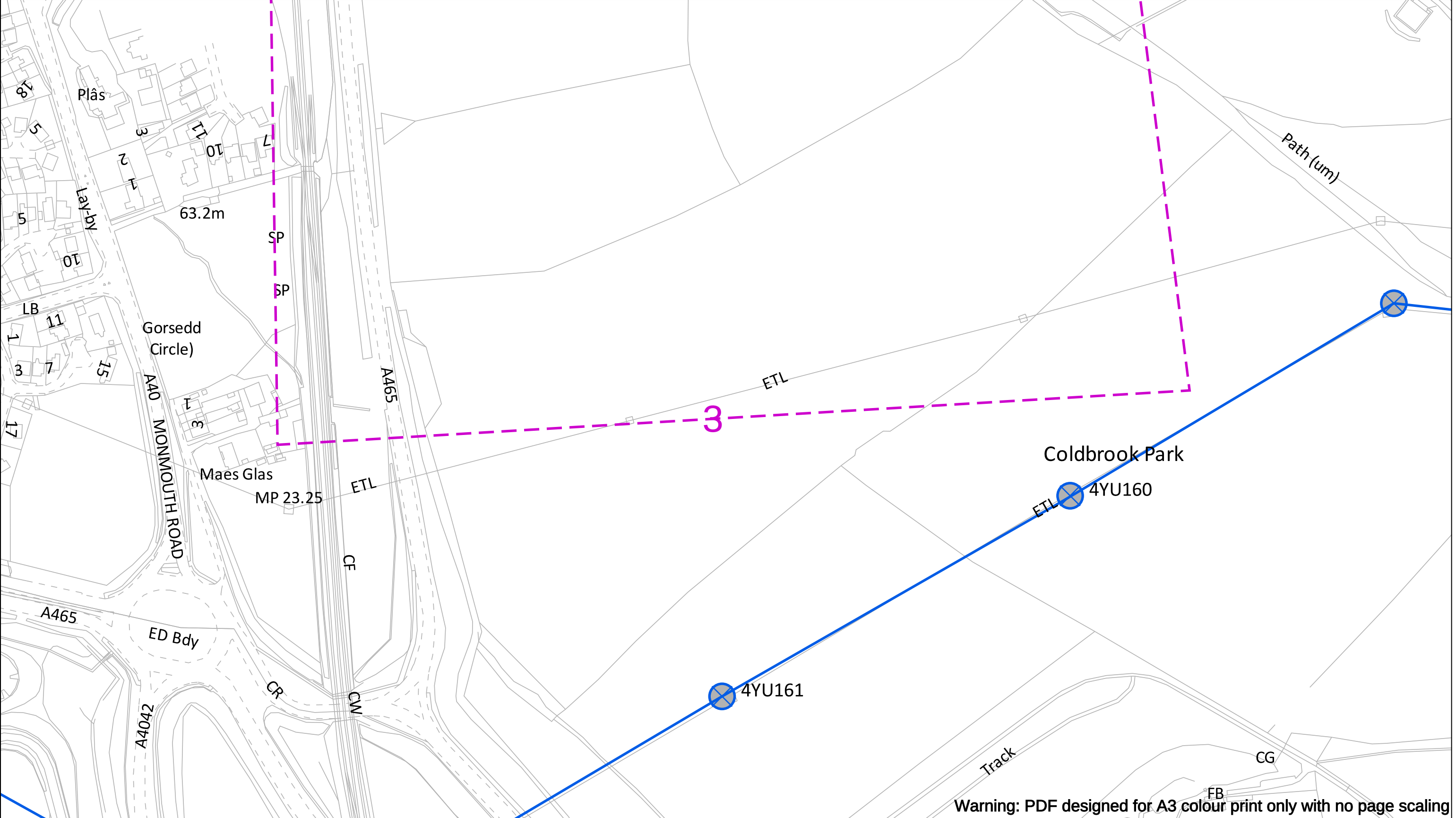
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	EXTREME CAUTION - HIGH VOLTAGE **RISK OF DEATH OR SERIOUS INJURY**	National Grid Electricity Emergency Number: 0800 40 40 90 Available 24 hours, 7 days/week. Calls may be recorded and monitored Warning: PDF designed for colour print only with no page scaling	 NationalGrid House Warwick Technology Park Gallows Hill Warwick CV34 6DA AssetProtection@NationalGrid.com
Date Requested: 10/08/2021 Job Reference: 22933882 Site Location: 330852 213339 Requested by: Mrs Claire Hosford Your Scheme/Reference: 26193	IMPORTANT NOTICES This plan shows those pipes owned by National Grid Electricity Transmission plc in its role as a Licensed Electricity Transporter (ET). Electricity cables owned by other ETs, or otherwise privately owned, may be present in this area. Information with regards to such cables should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Ancillary equipment such as cooling systems and communication cables are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Electricity Transmission plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of cables 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 electricity apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.	100m Dig Sites Area: Line: Underground Cables Overhead Lines	
Scale: 1:2500 (When plotted at A3)			
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Date Requested: 10/08/2021 Job Reference: 22933882 Site Location: 330852 213339 Requested by: Mrs Claire Hosford Your Scheme/Reference: 26193 Scale: 1:2500 (When plotted at A3)	EXTREME CAUTION - HIGH VOLTAGE **RISK OF DEATH OR SERIOUS INJURY** IMPORTANT NOTICES This plan shows those pipes owned by National Grid Electricity Transmission plc in its role as a Licensed Electricity Transporter (ET). Electricity cables owned by other ETs, or otherwise privately owned, may be present in this area. Information with regards to such cables should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Ancillary equipment such as cooling systems and communication cables are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Electricity Transmission plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of cables 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 electricity apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.	National Grid Electricity Emergency Number: 0800 40 40 90 Available 24 hours, 7 days/week. Calls may be recorded and monitored Warning: PDF designed for colour print only with no page scaling 100m Dig Sites Area:  Line:   Underground Cables  Overhead Lines	 NationalGrid House Warwick Technology Park Gallows Hill Warwick CV34 6DA AssetProtection@NationalGrid.com	
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ENQUIRY SUMMARY

Received Date

10/08/2021 10:08

Your Reference

26193

Location

Centre Point: 330852 213339

X Extent:

Y Extent:

Postcode: NP7 9SN

Map Options

Paper Size: A3

Orientation: LANDSCAPE

Scale: 1:2500

Real World Extents: 648m x 1196m

Enquirer Details

Organisation Name: M-EC

Contact Name: Claire Hosford

Email Address: claire.hosford@m-ec.co.uk

Telephone: 01530 264753

Address: Mewies Engineering Consultants Ltd, , Leicestershire, LE67 2GB

Enquiry Type

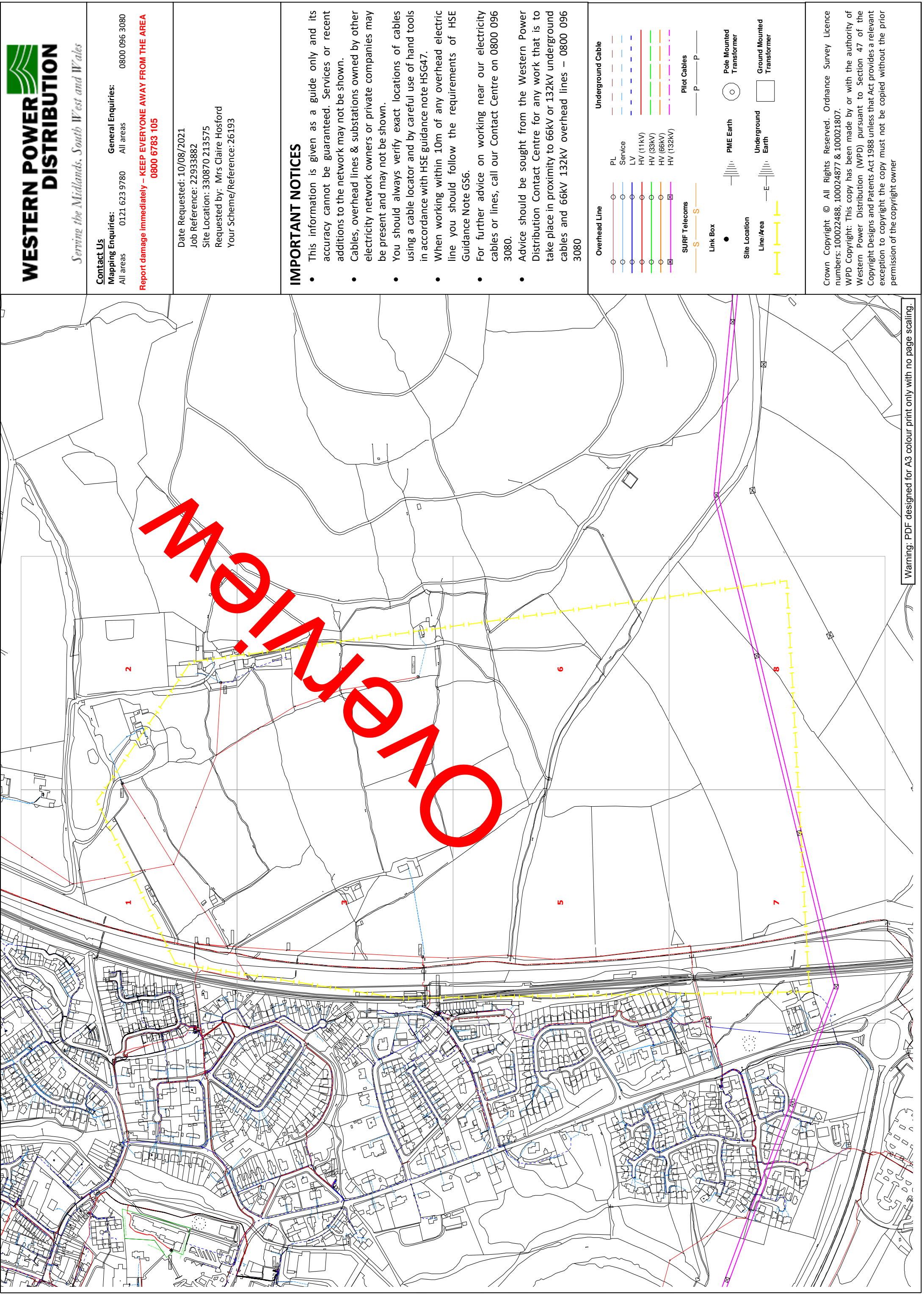
Initial Enquiry

Activity Type

Development Projects

Work Types

Housing



Contact Us

Mapping Enquiries:

All areas

0121 623 9780

All areas

General Enquiries:

0800 096 3080

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA

0800 6783 105

Date Requested: 10/08/2021

Job Reference: 22933882

Site Location: 330870 213575

Requested by: Mrs Claire Hosford

Your Scheme/Reference: 26193

IMPORTANT NOTICES

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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

Overhead Line

PL

Service

LV

HV (11kV)

HV (33kV)

HV (66kV)

HV (132kV)

Undergound Cable

PL

Service

LV

HV (11kV)

HV (33kV)

HV (66kV)

HV (132kV)

SURF Telecoms

Link Box

Site Location

Line/Area

Pilot Cables

Pole Mounted Transformer

Ground Mounted Transformer

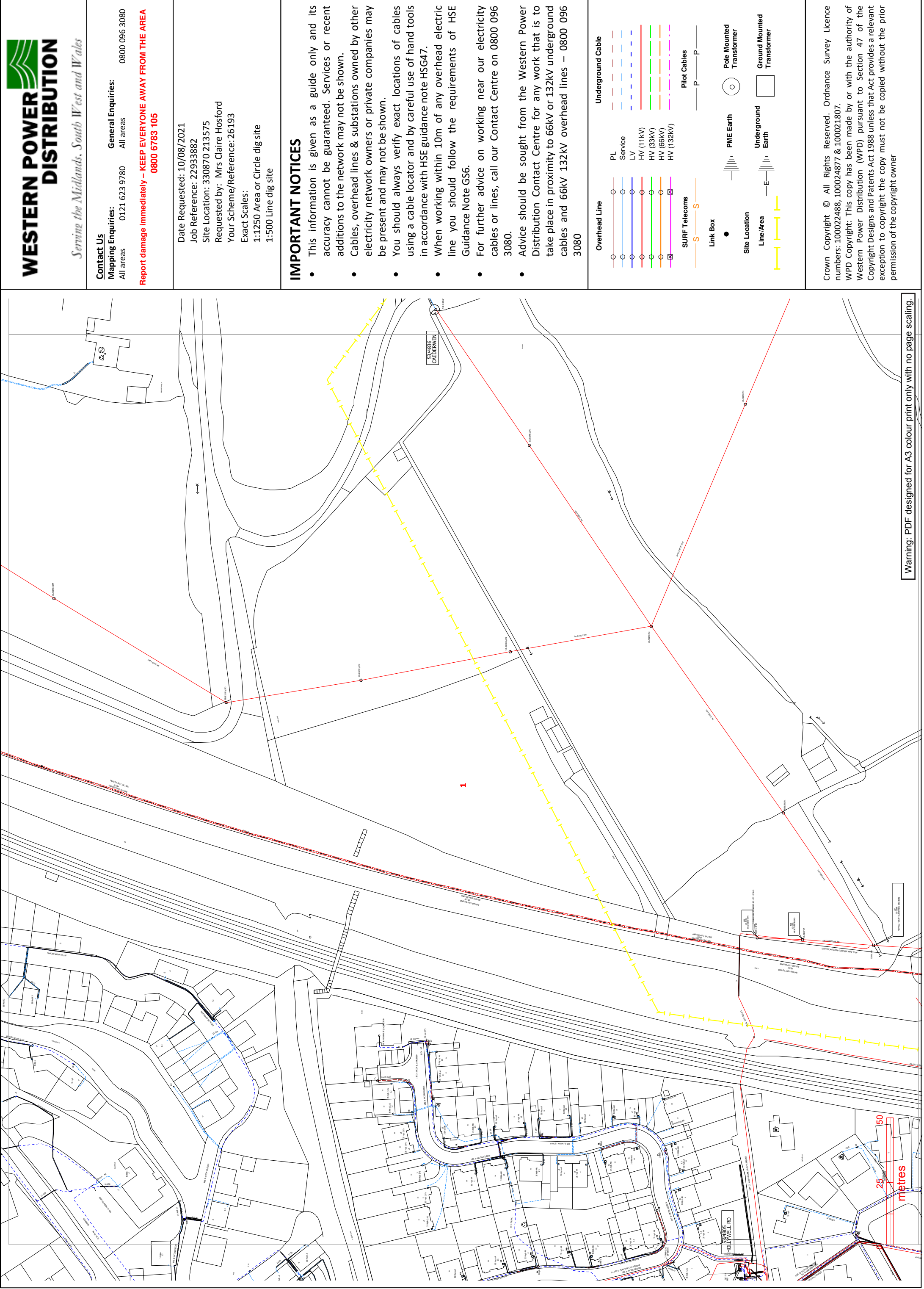
Undergound Earth

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All areas 0121 623 9780

General Enquiries:
All areas 0800 096 3080

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0800 6783 105

Date Requested: 10/08/2021

Job Reference: 22933882

Site Location: 330870 213575

Requested by: Mrs Claire Hosford

Your Scheme/Reference: 26193

Exact Scales:
1:1250 Area or Circle dig site
1:500 Line dig site

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Overhead Line

PL

Service

LV

HV (11kV)

HV (33kV)

HV (66kV)

HV (132kV)

Underground Cable

PL

Service

LV

HV (11kV)

HV (33kV)

HV (66kV)

HV (132kV)

SURF Telecoms

S

S

Pilot Cables

P

P

Link Box

●

Pole Mounted Transformer

○

Site Location

●

Underground Earth

E

Ground Mounted Transformer

□

Line/Area

—

—

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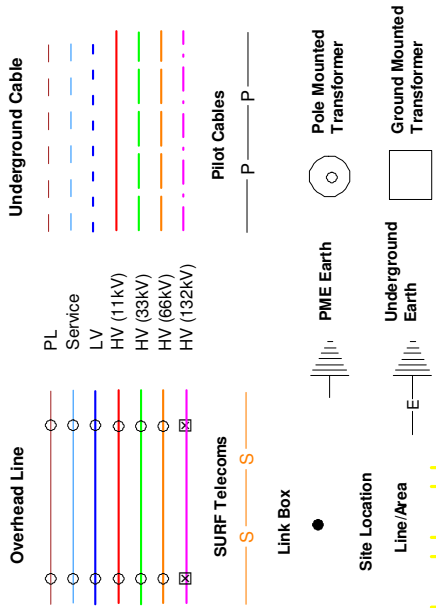
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0800 6783 105

1:1250 Area or Circle dig site

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Date Requested: 10/08/2021

Job Reference: 22933882

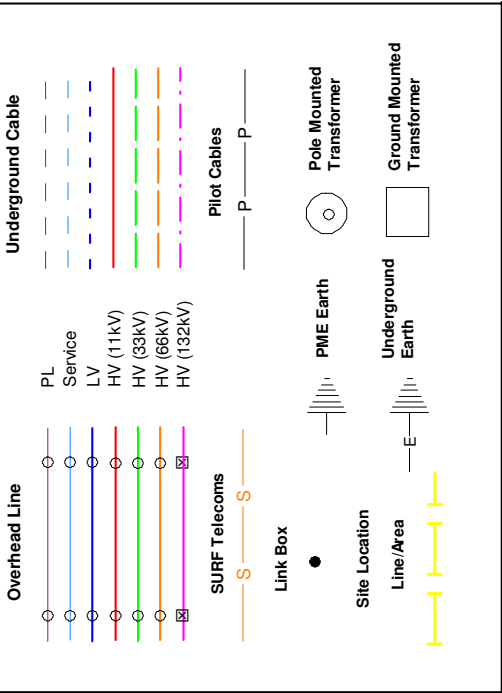
Site Location: 330870 213575

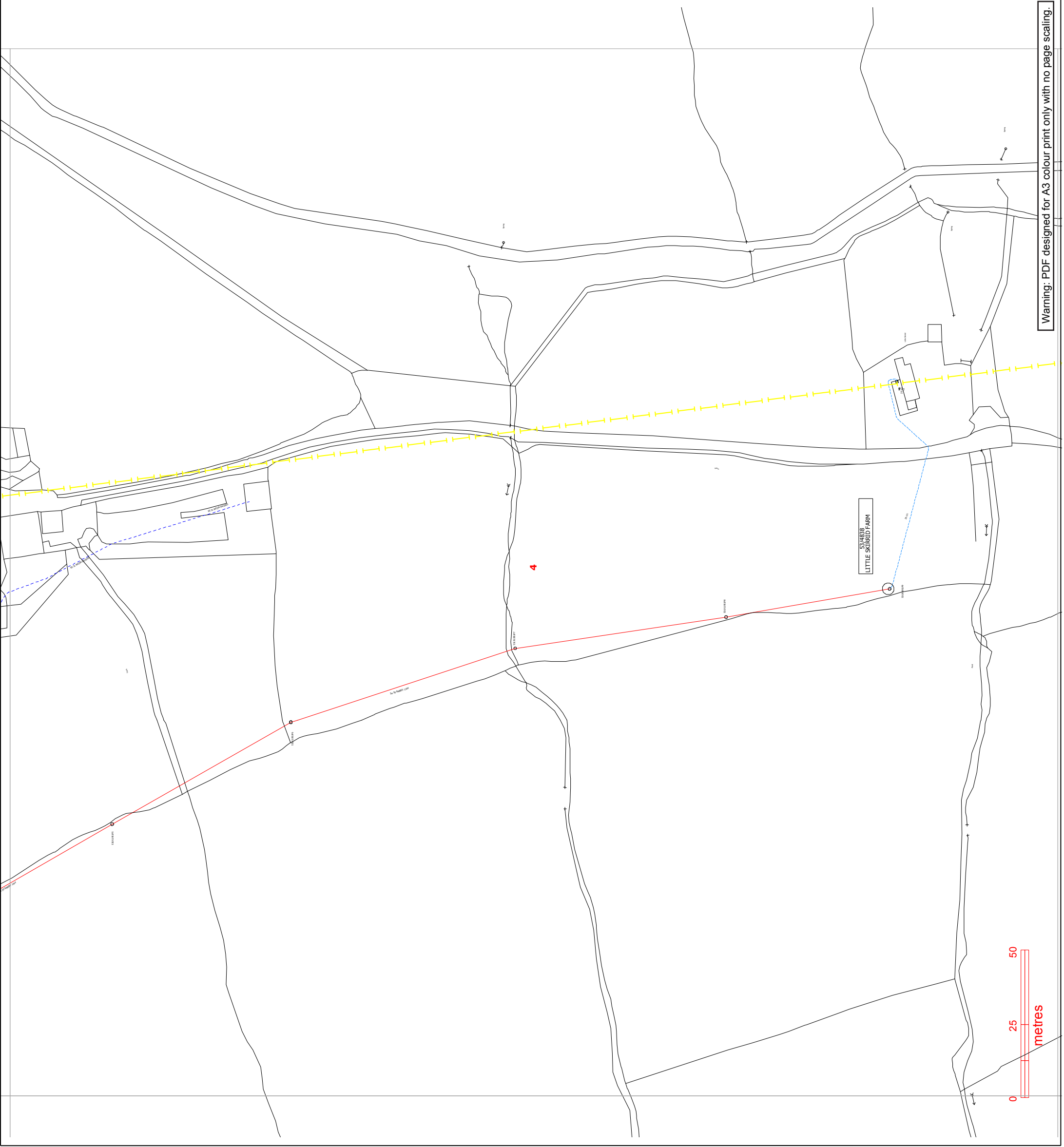
Requested by: Mrs Claire Hosford

Your Scheme/Reference: 26193

Exact Scales:
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1:500 Line dig site

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All areas

General Enquiries:

0121 623 9780

All areas

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Date Requested: 10/08/2021

Job Reference: 22933882

Site Location: 330870 213575

Requested by: Mrs Claire Hosford

Your Scheme/Reference: 26193

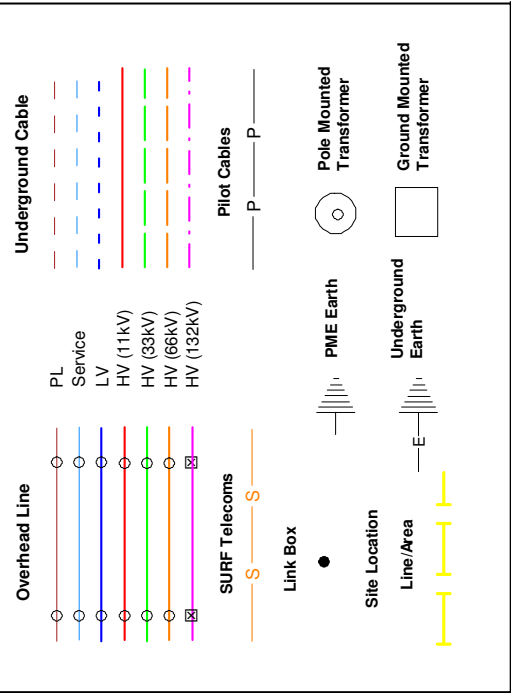
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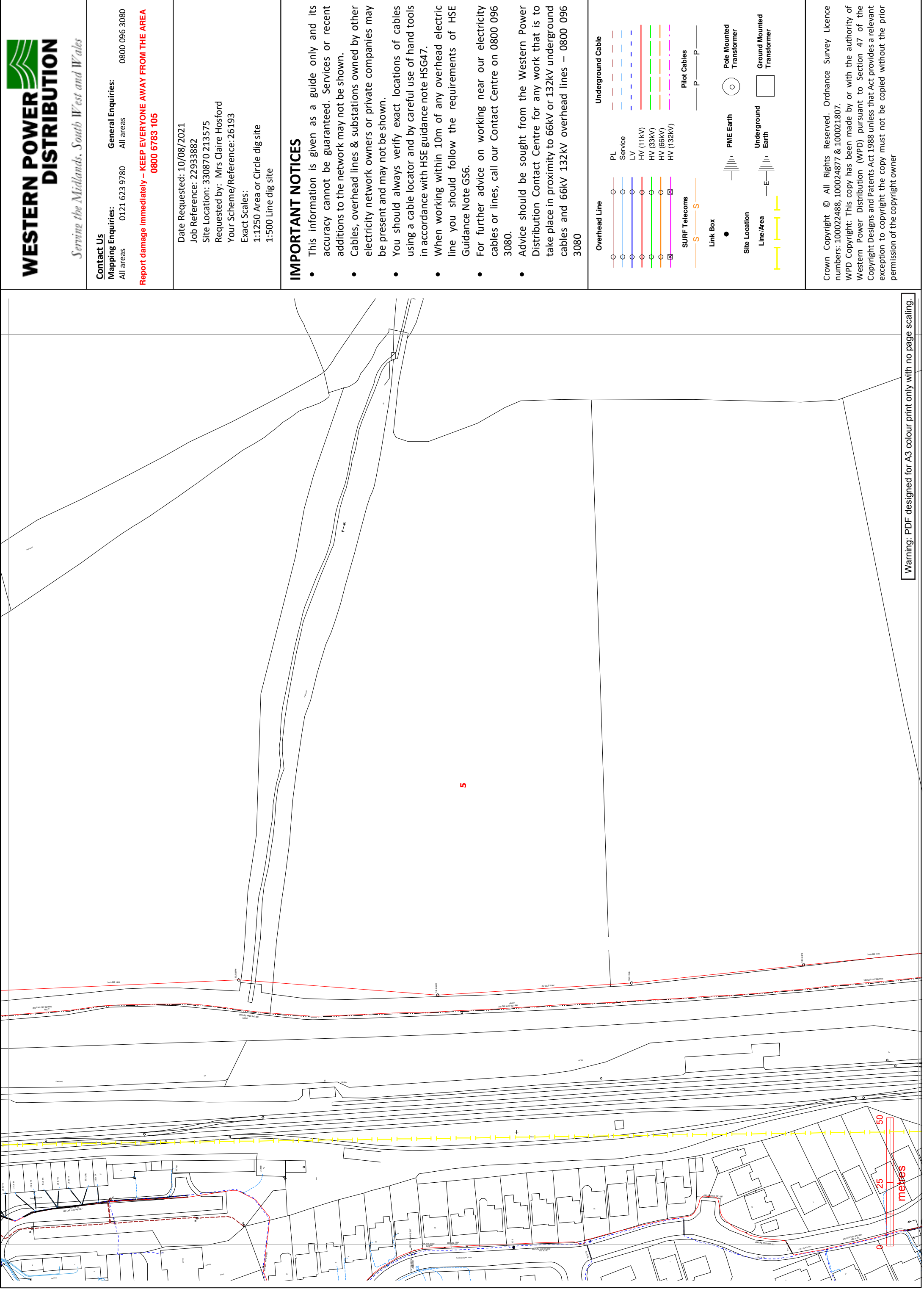
1:1250 Area or Circle dig site

1:500 Line dig site

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Site Location: 330870 213575

Requested by: Mrs Claire Hosford

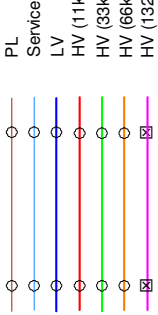
Your Scheme/Reference: 26193

Exact Scales:
1:1250 Area or Circle dig site
1:500 Line dig site

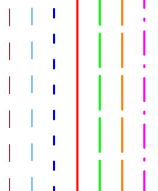
IMPORTANT NOTICES

- 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

Overhead Line



Underground Cable



SURF Telecoms



Pilot Cables



Link Box



PME Earth



Site Location



Pole Mounted Transformer



Underground Earth



Ground Mounted Transformer



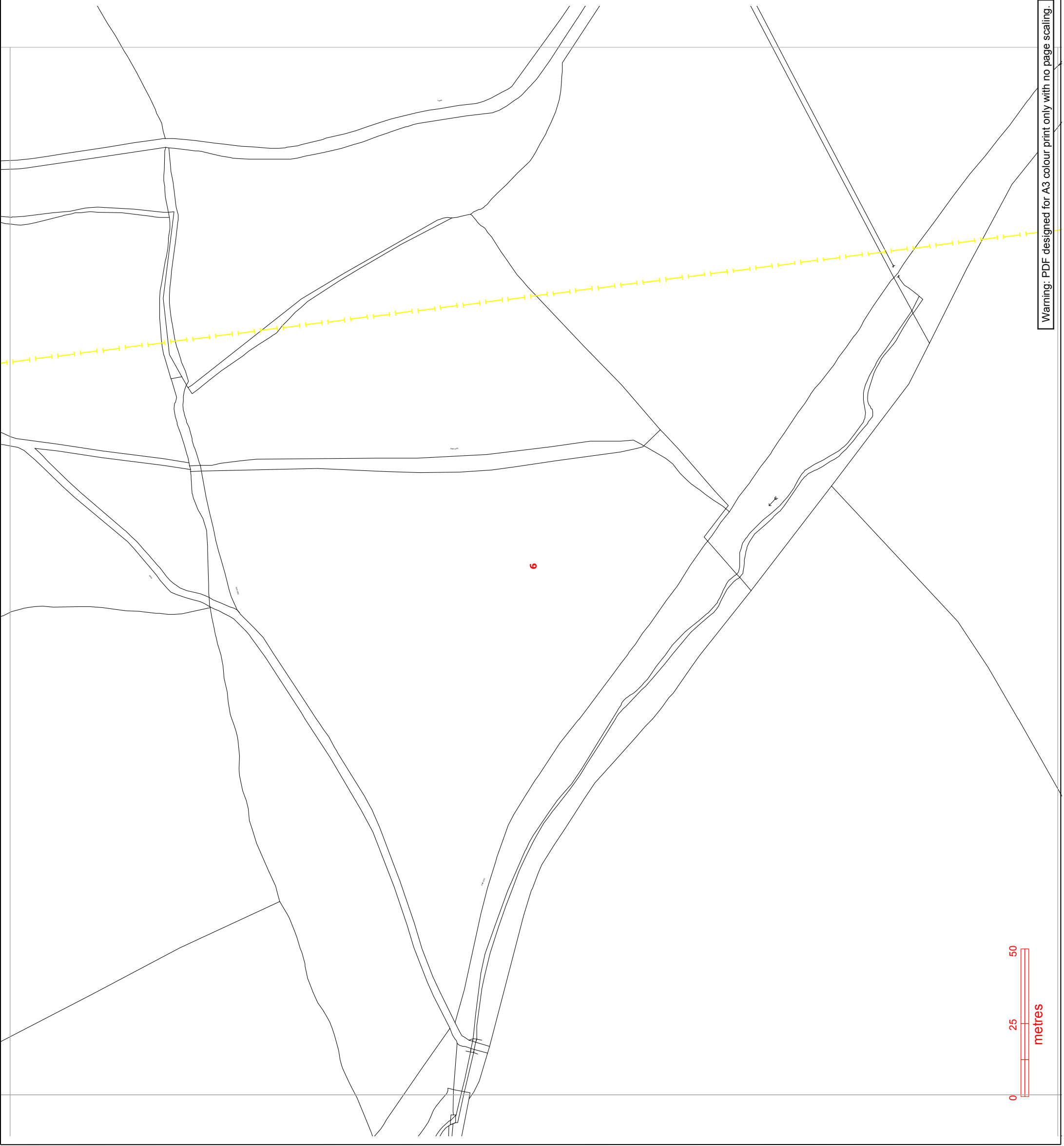
Line/Area



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Plans generated by DigSAFE Pro (tm) software provided by LinesearchbeforeUdig





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Serving the Midlands, South West and Wales

Contact Us

Mapping Enquiries:
All areas

0121 623 9780

All areas

General Enquiries:
0800 096 3080

0800 096 3080

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

Date Requested: 10/08/2021

Job Reference: 22933882

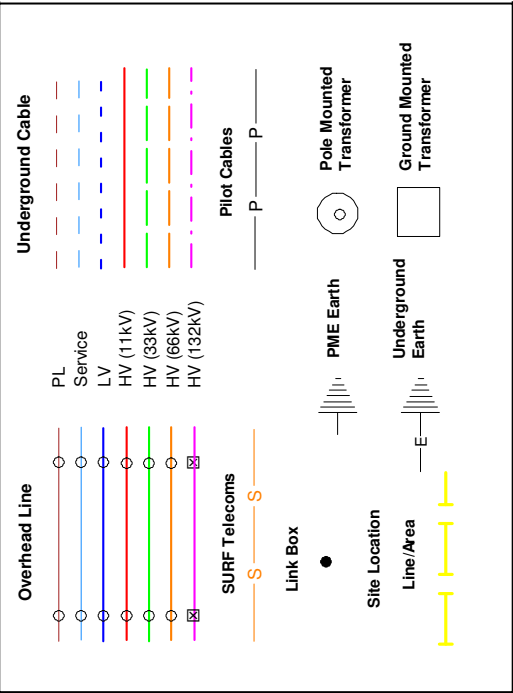
Site Location: 330870 213575

Requested by: Mrs Claire Hosford

Your Scheme/Reference: 26193

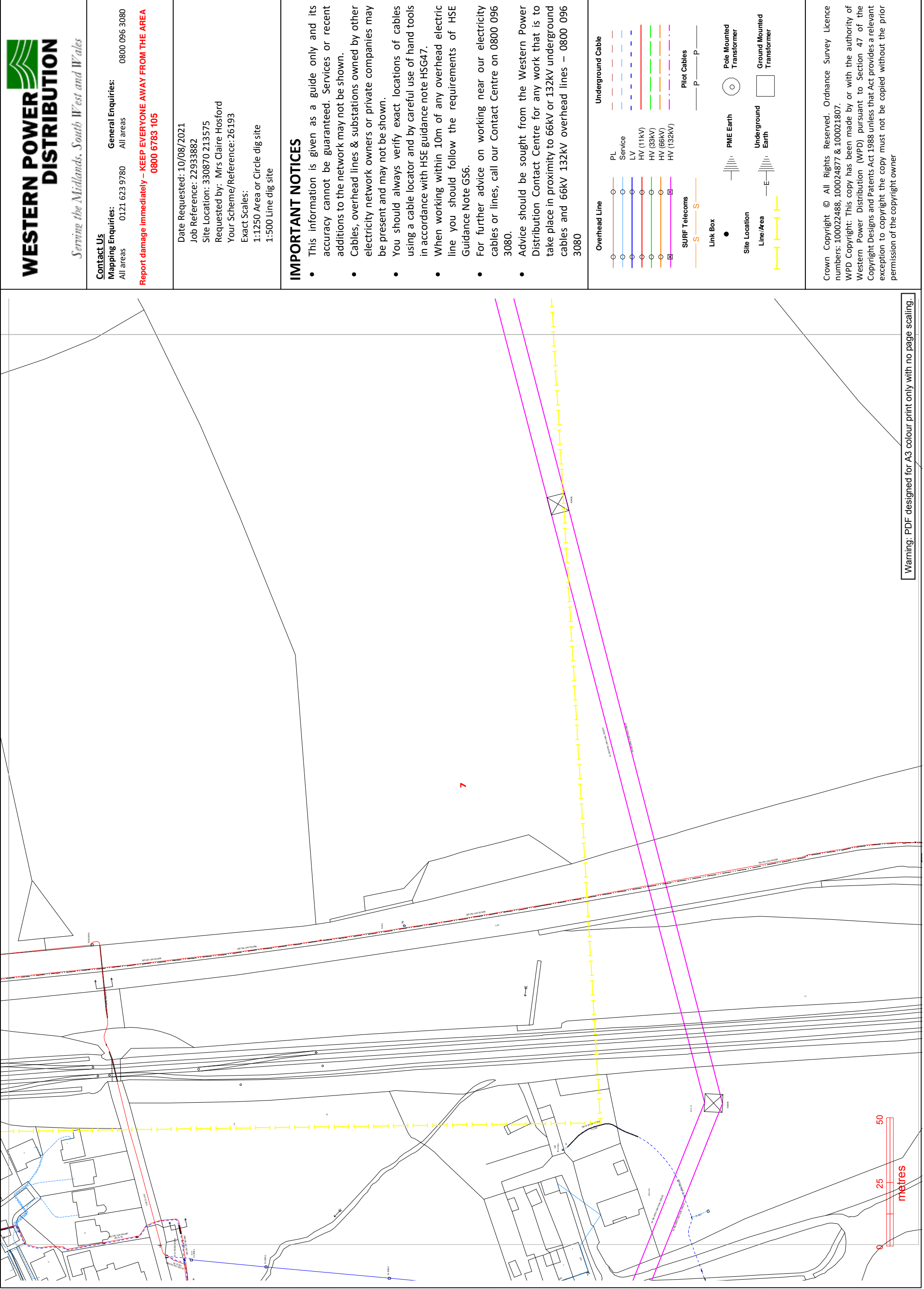
Exact Scales:
1:1250 Area or Circle dig site
1:500 Line dig site

- ### IMPORTANT NOTICES
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Mapping Enquiries: 0121 623 9780 All areas

General Enquiries: 0800 096 3080

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA

0800 6783 105

Date Requested: 10/08/2021

Job Reference: 22933882

Site Location: 330870 213575

Requested by: Mrs Claire Hosford

Your Scheme/Reference: 26193

Exact Scales: 1:1250 Area or Circle dig site 1:500 Line dig site

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Overhead Line

- PL
- Service
- LV
- HV (11kV)
- HV (33kV)
- HV (66kV)
- HV (132kV)

SURF Telecoms

- S
- S

Undergound Cable

- PL
- Service
- LV
- HV (11kV)
- HV (33kV)
- HV (66kV)
- HV (132kV)

Pilot Cables

- P
- P

Link Box

-

PME Earth

- ⊕

Pole Mounted Transformer

- ⊙

Site Location

- ⊙

Underground Earth

- ⊕

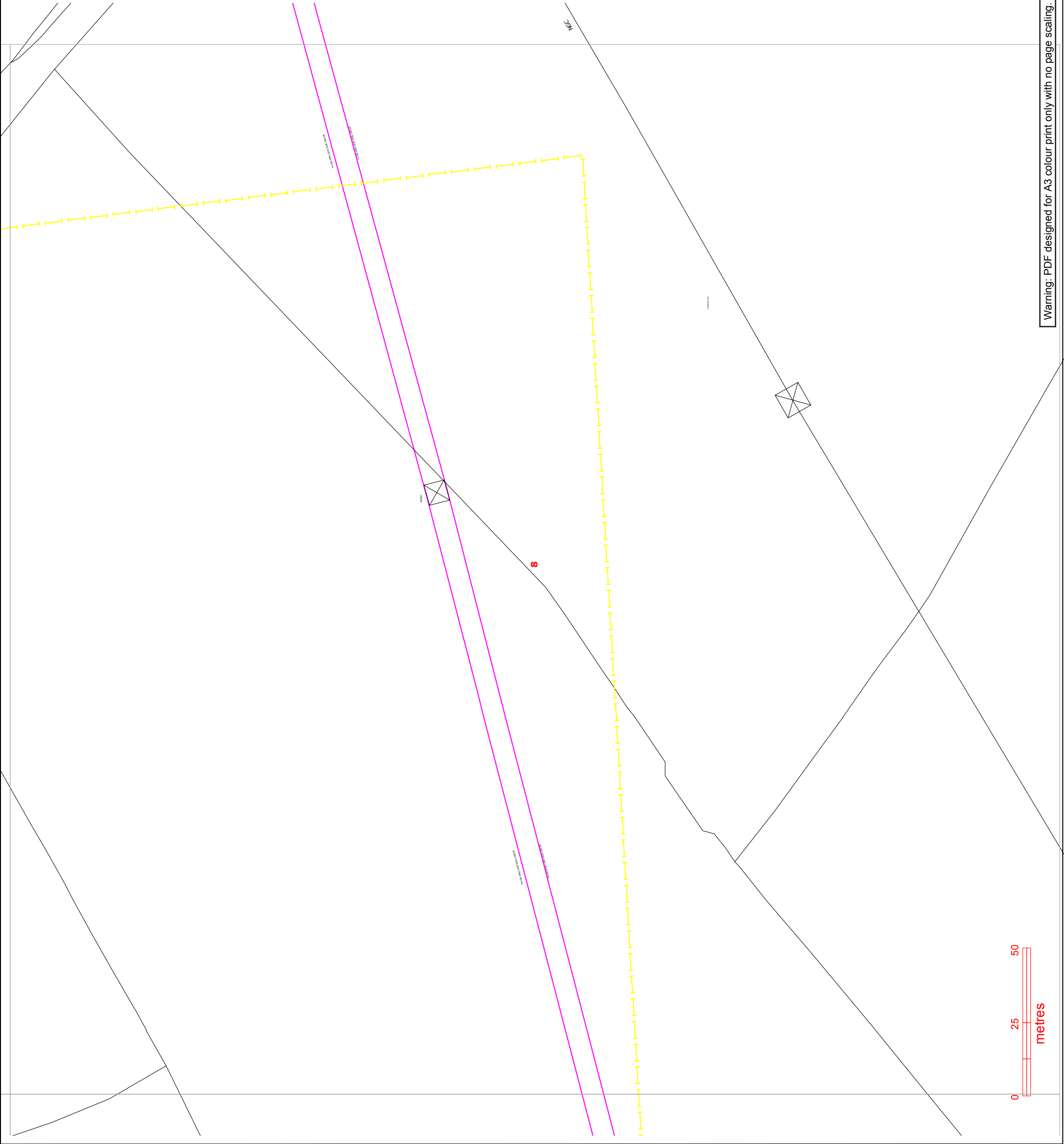
Ground Mounted Transformer

- ⊙

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metres



1. 1500: 1: 1:

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

Budget Estimate

M-Ec (Claire Hosford)
The Old Chapel
Station Road
Hugglestone
Coalville
LE67 2GB

Western Power Distribution
Scout Lane
BRECON
Powys
LD3 7HW

Telephone: 01874 614207
Email: cgreen@westernpower.co.uk

Our ref
4056951

Your Ref:
26193

Date
19/08/2021

Dear M-Ec (Claire Hosford),

Budget Estimate for electricity connection works by Western Power Distribution (South Wales) plc ("WPD") for a 15.00kVA Connection at Land East Of A465, - Abergavenny, NP7 6AU

Thank you for your recent enquiry. I am pleased to provide an indication of WPD's likely costs to carry out the connection works for you ("the Budget Estimate").

Our estimate for this work is based upon the information you have provided and is shown below.

Estimated Connection Charge	Contestable works	£ 1,601,790.00
	Non-Contestable works	£ 3,472.00
	VAT at 0 %	£ 00.00
	Total	£ 1,605,262.00

Non-Contestable works are those works that only WPD can undertake. It is possible for you to get someone else to quote for the contestable part of the works. For further information please visit our website:
<https://westernpower.co.uk/Connections/Competition-in-Connections.aspx>

Your supply will have the following electrical characteristics

Voltage	230 Volts
Phase	Single Phase
Agreed Import Capacity	15kVA
Agreed Export Capacity	0kVA

Please note that the proposed works and estimated connection charge is for **guidance purposes** only and has been derived from a desk-top design exercise. It is non-binding and subject, in particular, to any legal permission, wayleaves and any other consents being successfully obtained. It is based on present day prices. It does not include the cost of any necessary on-site civil works, which should be provided by you at your expense.

Enclosures

Please also find enclosed:

- Our summary document entitled "Budget Estimates - Your Budget Estimate Explained"
- A drawing showing the indicative point of connection (POC) of the new assets to our existing distribution system, in relation to the proposed development. Plan Number: 4056951



Western Power Distribution (South Wales, West Midlands, East Midlands, South West) plc
Registered in England and Wales No. (2366985, 3600574, 2366923, 2366894)
Registered Office:
Avonbank, Feeder Road, Bristol BS2 0TB

Competition in Connections

The Budget Estimate is based upon WPD undertaking both the contestable and non-contestable connection works. You are able to seek competitive prices for some or all of the contestable elements.

You have the option to appoint an Independent Connection Provider (ICP) or Independent Distribution Network Operator (IDNO) to carry out some of the connection works, referred to as the Contestable Connection Works. Any connection works that can only be undertaken by WPD are referred to as Non-contestable Connection Works. See our enclosed Budget Estimate guide for more information.

Proposed Connection Works

Our estimate of the connection charge is for providing the following works:

Provision and Installation of 3No - Ground Mounted Substations (Connection Point Substations - CP S/s)

Provision and Installation of the 11kV Underground Cables from the CP S/s to the 11kV Point of Connection/s. (11kV POC)

Provision and Installation of the Low Voltage "MAINS" and "SERVICE" Cables from the CP S/s to the Connection Point (CP) at each Dwelling.

Provision and Installation of 645No - Fused Cut-Outs at the CP at each Dwelling.

Please note that these proposals are based upon a desk top provisional investigation and no site visit or detailed study has been carried out.

The estimate does not include costs for any reinforcement or diversionary work that may be required, or for any environmental, or stability studies which may also be necessary, although these are generally only required for larger capacity connections.

Progression to Connection Offer stage

This Budget Estimate is not a legally binding contract, but sets out the amount we reasonably estimate we would require you to pay for the connection works under a formal Connection offer.

If you would like us to undertake a more detailed analysis, including an assessment of any network reinforcement required we can provide a formal Connection Offer. Further information regarding how to apply is provided in our enclosed summary guide.

Upon receipt of your application we will carry out detailed network studies to finalise the design of the connection works (and any associated reinforcement works), and provide a Connection Offer detailing the works required, the associated costs, timescales, payment terms and conditions for the connection.

If you have any queries regarding this Budget Estimate please do not hesitate to contact me via the contact details at the top of this letter.

Yours sincerely,

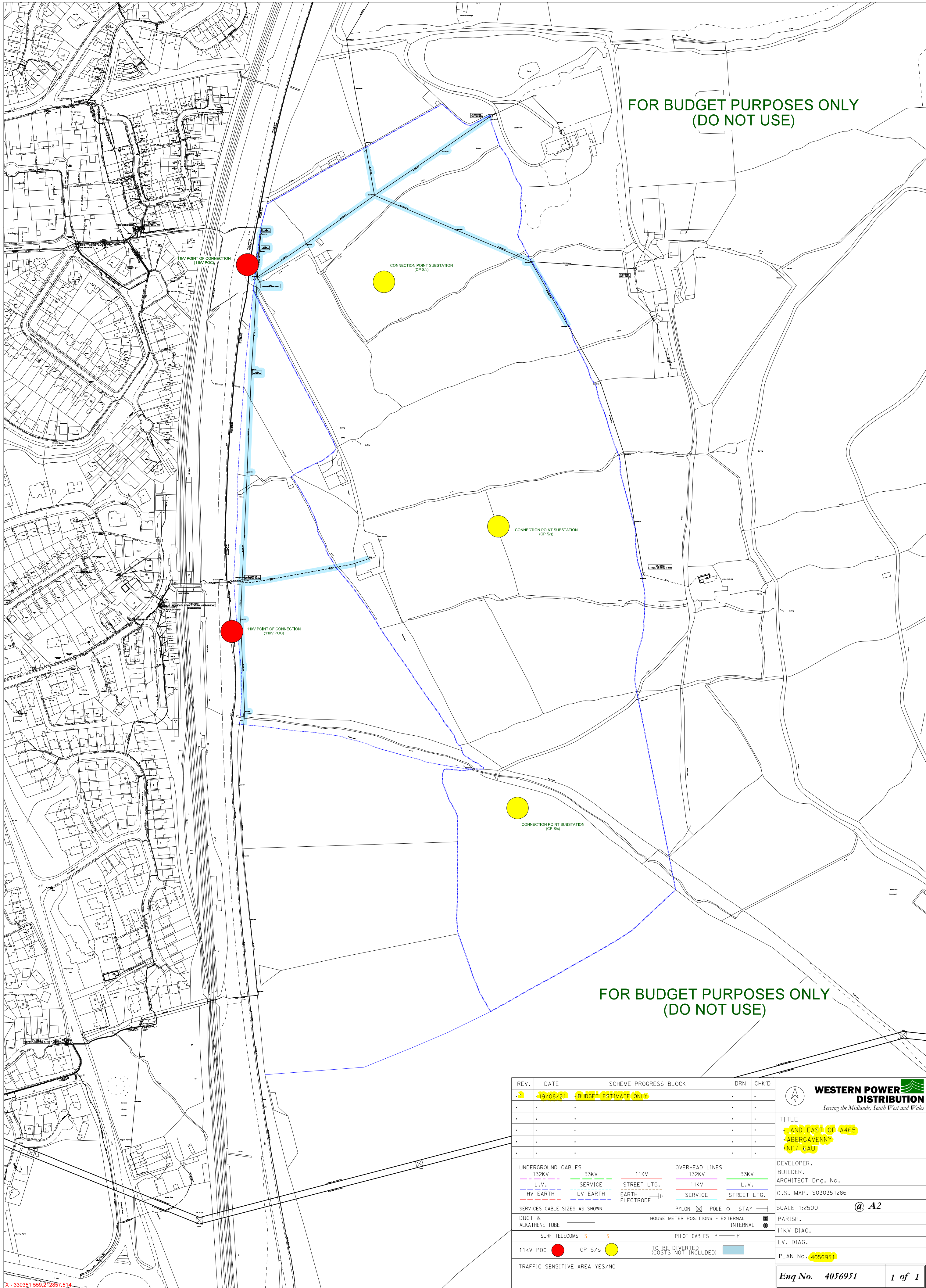


Chris Green
Planner



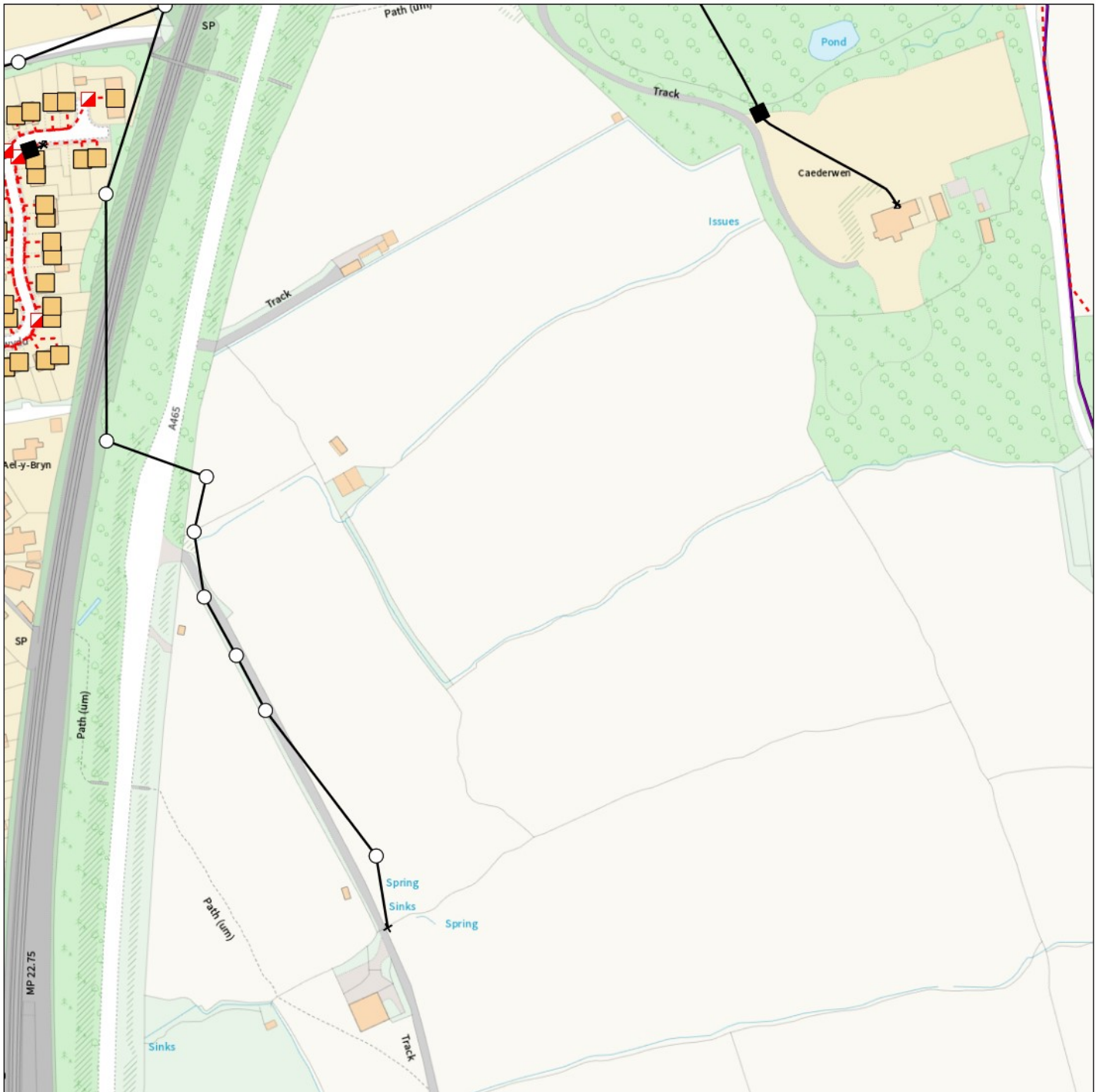
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 THE WPD APPARATUS IF WORK IS TO BE EXECUTED IN ITS VICINITY. If in doubt, contact your local WPD office.



APPENDIX F

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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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>	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						
	<i>Pending Add</i>	<i>In Place</i>	<i>Pending Remove</i>	<i>Not In Use</i>		
Power Cable						
Power Duct				N/A		

BT Ref : PJY01013H

Map Reference : (centre) SO3079013946

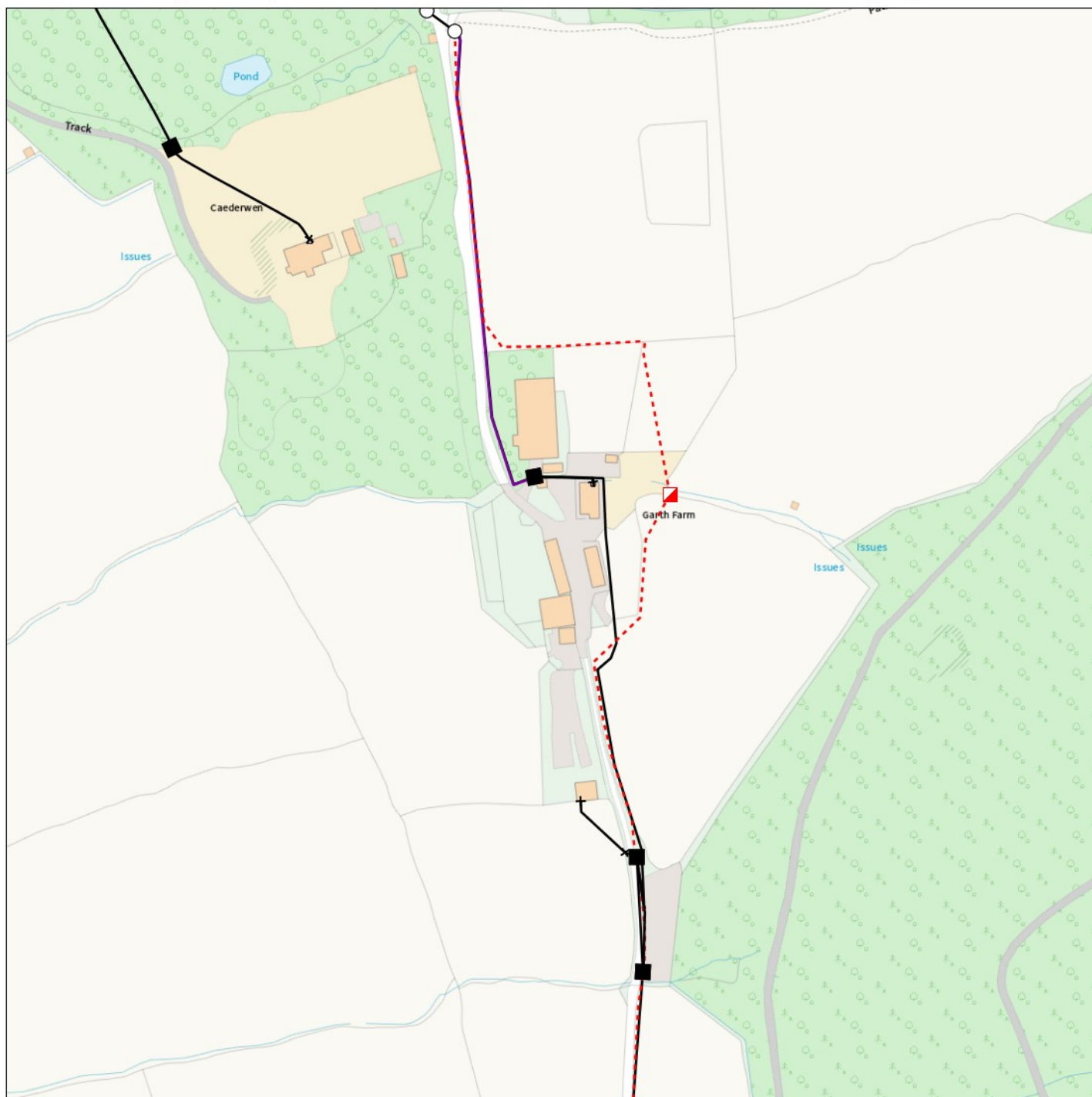
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Issued : 10/08/2021 13:01:55

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Maps by email Plant Information Reply



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KEY TO BT SYMBOLS

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

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BT Ref : DLE10586Y

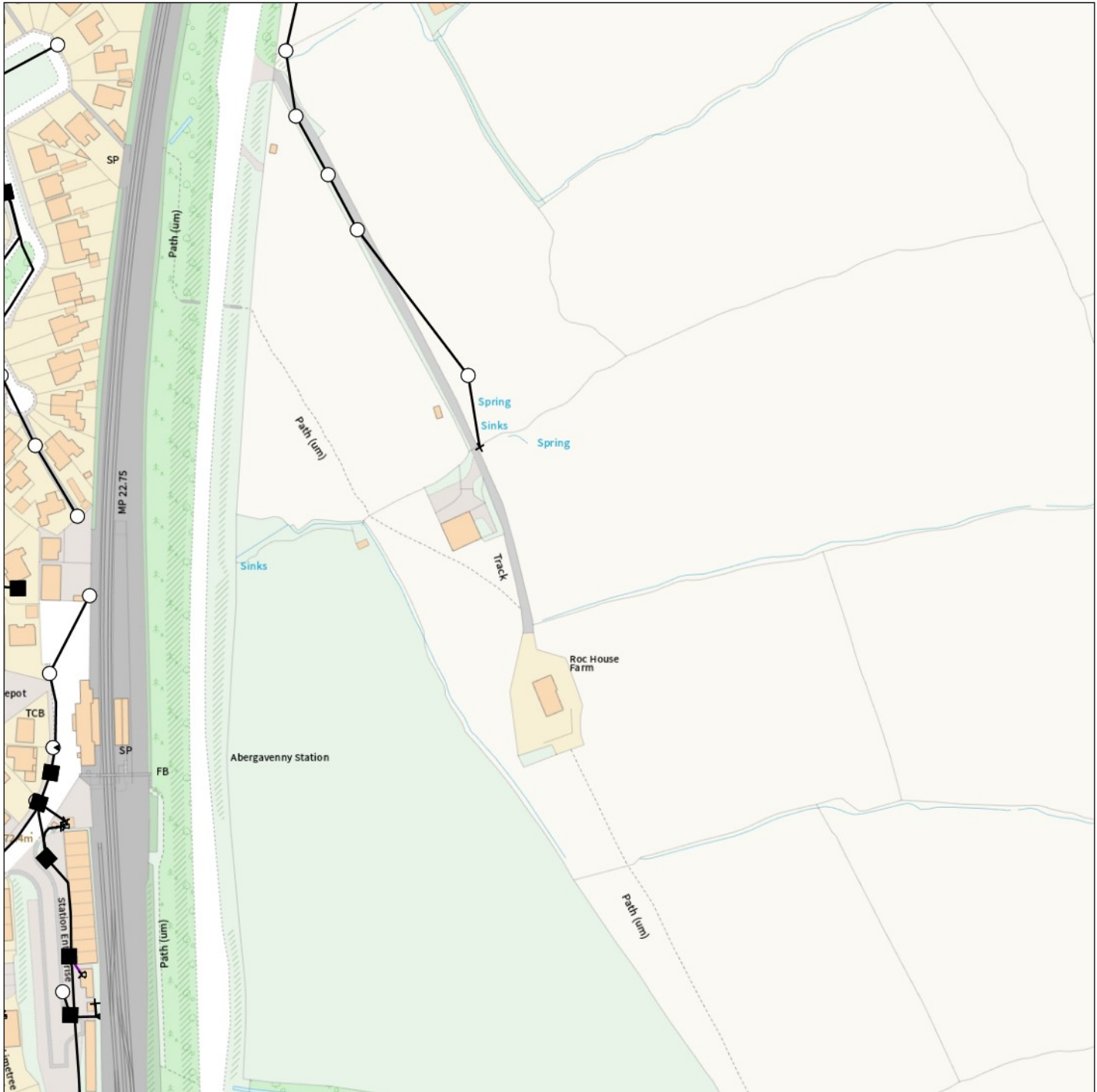
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Easting/Northing : (centre) 331061,213960

Issued : 25/08/2021 10:58:21

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Maps by email Plant Information Reply



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www.openreach.co.uk/cbyd

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KEY TO BT SYMBOLS

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

BT Ref : IDV01028R

Map Reference : (centre) SO3074813726

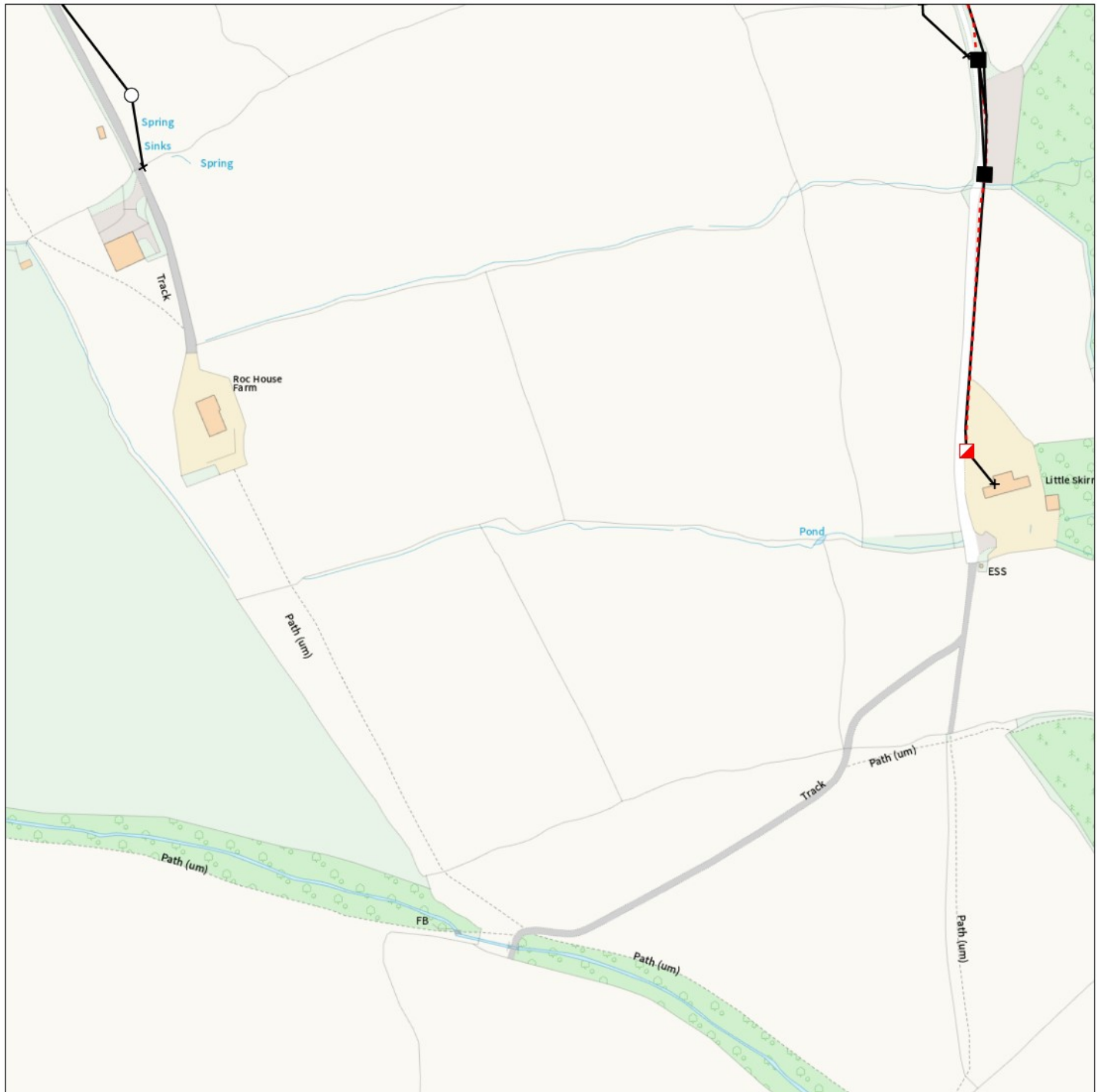
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Issued : 10/08/2021 13:02:23

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Maps by email Plant Information Reply



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KEY TO BT SYMBOLS		Change Of State	+	Hatchings	
	<i>Planned</i>	<i>Live</i>	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					
	<i>Pending Add</i>	<i>In Place</i>	<i>Pending Remove</i>	<i>Not In Use</i>	
Power Cable					
Power Duct				N/A	

BT Ref : VEX01029V

Map Reference : (centre) SO3090313597

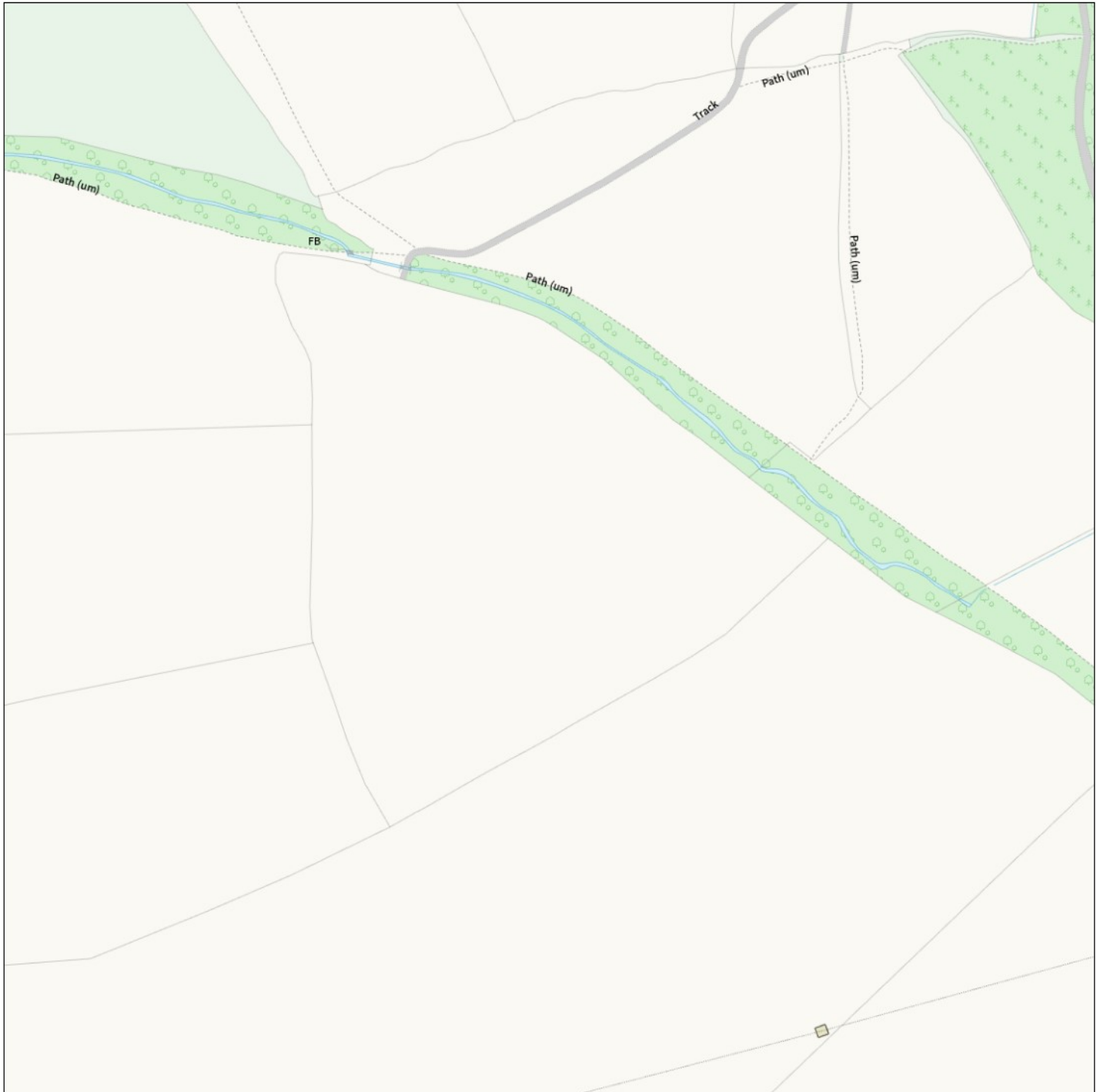
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Issued : 10/08/2021 13:02:43

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Maps by email Plant Information Reply



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KEY TO BT SYMBOLS

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

BT Ref : KJJ01353U

Map Reference : (centre) SO3095213286

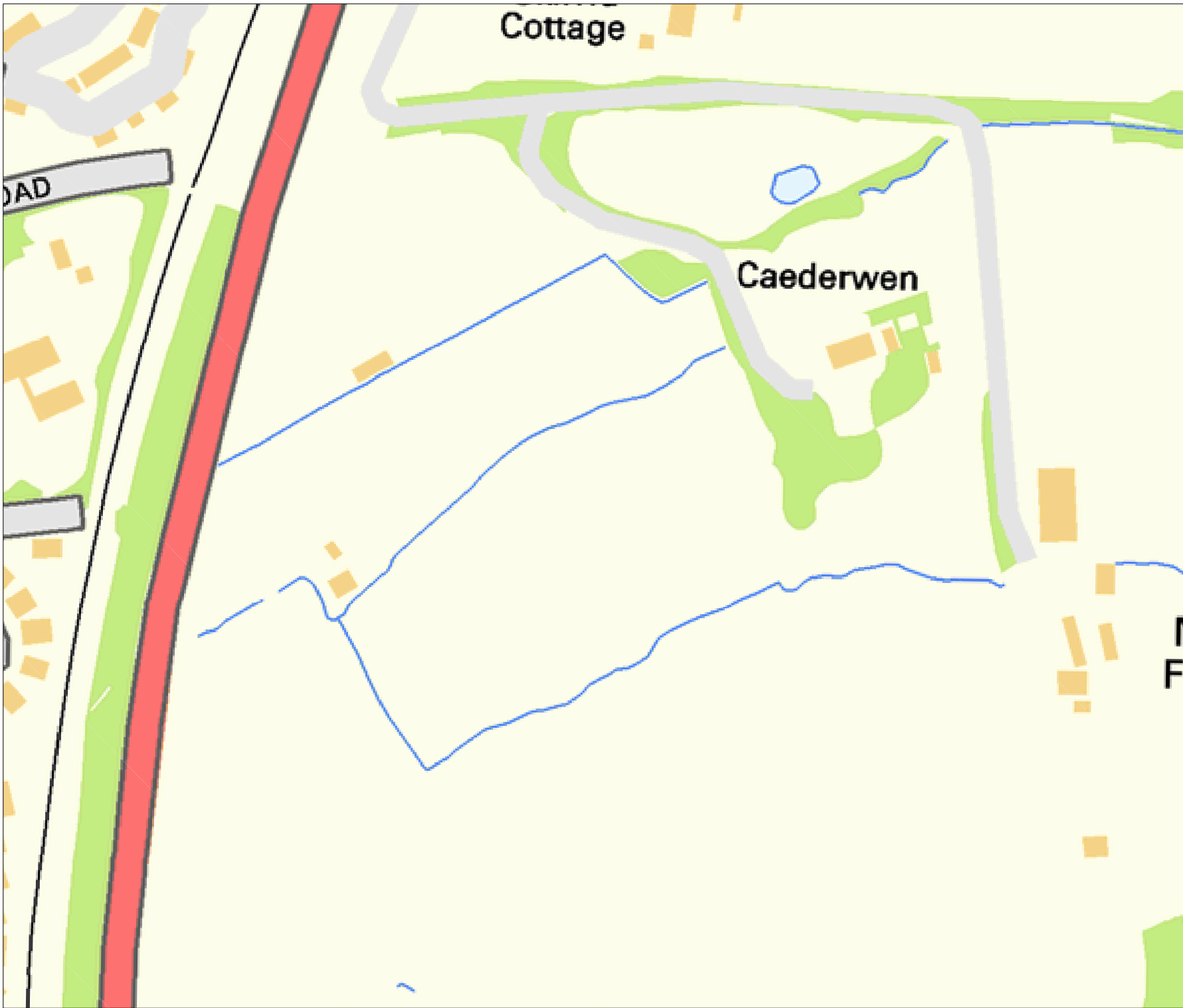
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Issued : 10/08/2021 13:35:40

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bitmap_layout select_raster

LEGEND

- EXISTING PLANT
- EXISTING PLANT

bitmap_layout select_raster

Head Office CityFibre Holdings Ltd 15 Bedford Street, London, WC2E 9HE Tel: 0845 293 0774 Web: www.cityfibre.com	Asset Office CityFibre Holdings Ltd, Rutherford House, Birchwood, Warrington, WA3 6ZH Email: asset.team@cityfibre.com
--	---

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Project
Plant Enquiry

Drawing
Existing Plant

Drawn by:
smallworld
Date: 10/08/2021

Drawing No. CFH_EP_000001	Revision 001
------------------------------	-----------------





bitmap_layout select_raster

LEGEND

- EXISTING PLANT
- EXISTING PLANT

bitmap_layout select_raster

Head Office CityFibre Holdings Ltd 15 Bedford Street, London, WC2E 9HE Tel: 0845 293 0774 Web: www.cityfibre.com	Asset Office CityFibre Holdings Ltd, Rutherford House, Birchwood, Warrington, WA3 6ZH Email: asset.team@cityfibre.com
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excavation or other works being carried out in the vicinity
of Cityfibre plant.
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servants for any error, omission, discrepancy or
deviation. This information is valid for the date printed.

Project
Plant Enquiry

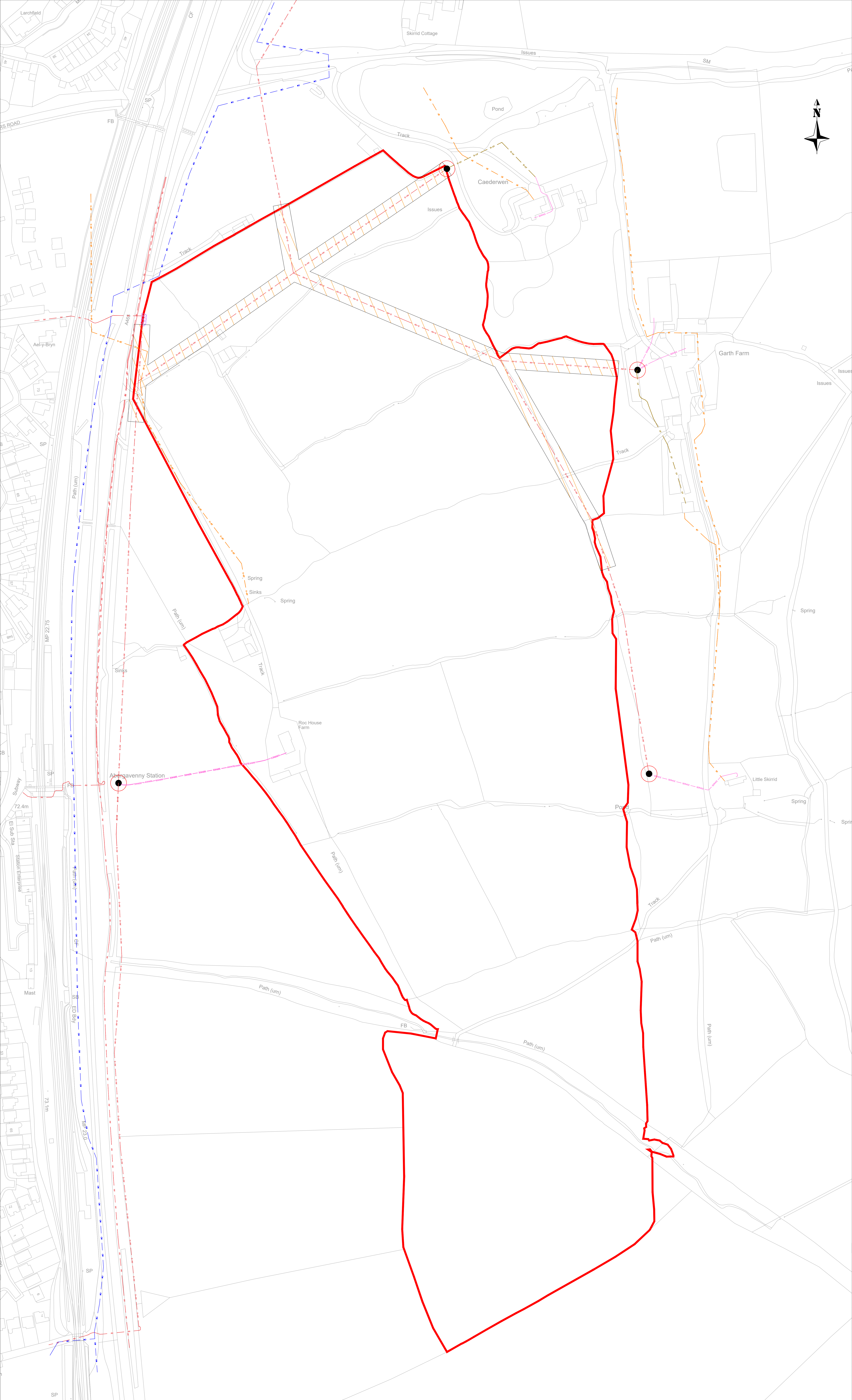
Drawing
Existing Plant

Drawn by:
smallworld
Date: 10/08/2021

Drawing No.	Revision
CFH_EP_000001	001



APPENDIX G



NOTES:

- DO NOT SCALE THIS DRAWING.
- ALL LEVELS ARE IN METRES UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS ARE IN METRES UNLESS SPECIFIED OTHERWISE.
- SERVICE LOCATIONS SHOWN ON THIS PLAN ARE DERIVED FROM RECORDS OBTAINED FROM STATUTORY UNDERTAKERS. THIS DRAWING CAN NOT BE RELIED UPON FOR ACCURACY. THE SIZE, MATERIAL & DEPTH OF BURIED SERVICES ARE NOT SHOWN ON THIS DRAWING. SUCH INFORMATION MUST BE OBTAINED FROM STATUTORY UNDERTAKERS OR INTRUSIVE INVESTIGATION.
- IT IS ESSENTIAL THAT NEW STATUTORY UNDERTAKER ENQUIRES ARE UNDERTAKEN BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION WORKS. CABLE/PIPE DETECTION TECHNIQUES, TRIAL HOLES OR OTHER SIMILAR METHODS MUST BE ADOPTED BY THE CONTRACTOR TO VERIFY THIS DRAWING AND ANY SUBSEQUENT PLANS OBTAINED FROM STATUTORY UNDERTAKERS.
- PRIOR TO CONSTRUCTION & ALSO DURING DESIGN IT SHALL BE NECESSARY TO UNDERTAKE HAZARD IDENTIFICATION & RISK ASSESSMENT OF POTENTIAL DAMAGE TO EXISTING SERVICES. ALSO SAFEGUARDS SHOULD BE PUT IN PLACE TO PREVENT EXPLOSION, FLOOD, ELECTRIC SHOCK ETC FOR OPERATIVES & GENERAL PUBLIC.
- 11kV OVERHEAD LINE EASEMENT OF 5m EITHER SIDE OF LINES SHOWN FOR INDICATION ONLY. WESTERN POWER DISTRIBUTION (WPD) REQUIRE A MINIMUM CLEARANCE OF 4.3m EITHER SIDE OF THE OUTERMOST LINES TAKING INTO ACCOUNT CABLE SWING AND SAG. FURTHER CONSULTATION WITH WPD IS RECOMMENDED TO AGREE THE NECESSARY SAFETY MEASURES DURING CONSTRUCTION.

KEY:

- SITE BOUNDARY
- CLEAN WATER MAIN
- SERVICE CABLE
- UNDERGROUND LV CABLE
- OVERHEAD LV CABLE
- UNDERGROUND HV CABLE 11kV
- OVERHEAD HV CABLE 11kV
- UNDERGROUND BT CABLE
- OVERHEAD BT CABLE
- 2m 11kV UNDERGROUND ELECTRIC CABLE EASEMENT (4m TOTAL)
- 11kV OVERHEAD LINE EASEMENT 4.3m EITHER SIDE OF OUTERMOST LINES (APPROX. 13m TOTAL)
- POLE MOUNTED TRANSFORMER

INITIAL ISSUE	CH	AB	AB	25/08/21	
REV	AMENDMENTS	DRN	CHK	APP	DATE
PROJECT: ABERGAVENNY URBAN EXTENSION					
DRAWING TITLE: UTILITIES CONSTRAINTS PLAN					
CLIENT: MONMOUTHSHIRE HOUSING ASSOCIATION					
DRAWING NUMBER: 26193_07_010_01					
REVISION:	SHEET SIZE:	SCALE:			
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STATUS: -					

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