

Gas Pipeline Statement

The Town and Country Planning (Local Planning) (England) Regulations 2012, require local planning authorities, when preparing Local Plans, to have regard to the prevention of major accidents and limiting their consequences. They must also consider the long-term need for appropriate distances between hazardous establishments and population or environmentally sensitive areas and consider whether additional measures for existing establishments are required so that risks to people in the area are not increased.

The Health and Safety Executive (HSE) is responsible for managing population growth close to identified major hazard sites and pipelines to mitigate the consequences of a major accident. HSE sets a consultation distance (CD) around major hazard sites and pipelines, comprising an inner, middle and outer zone. Within any CD, taking account of the risks, HSE will either 'advise against' or 'not advise against' the granting of planning permission on safety grounds, depending on the sensitivity of the proposed use. Where any residential development is shown to potentially straddle the inner zone, HSE will advise against all development.

HSE is a statutory consultee for planning applications within the CD, for specified types of development, and provide advice through their Planning Advice Web App. HSE is not a statutory consultee for local plans however the web app can also be used to identify where any preventative works or design solutions may be required to mitigate risk, in accordance with health and safety requirements, to ensure that land allocations do not conflict with major hazard sites or pipelines.

Potential mitigation measures or design solutions for sites impacted by pipelines may include:

- thicker walled sections pipe, or other additional protection, in consultation with the pipeline operator, to minimise the development area impacted by the pipeline;
- re-alignment of the pipeline within proposed highways to avoid built development;
- designing the network of green open space within proposed development to accommodate the pipeline easement and avoid impact on the safe operation of the pipeline.

HSE has advised that the following Draft Plan allocation sites are within the identified CD of a major accident hazard pipeline operated by Wales and West Utilities (WWU) which runs north – south, within Stroud District, between Hardwicke and Slimbridge parishes:

- PS37 New settlement at Wisloe
- G1 South of Hardwicke

The relevant HSE advice on consultation zones and planning advice web app reports for each site are attached as Appendix A to this statement.

The reports are based on indicative masterplan layouts for each site and indicate potential significant constraints on development unless mitigation solutions can be agreed to upgrade and/or re-align the pipeline in relation to proposed development areas

It is the responsibility of the site promoters to work with the pipeline operator to accommodate necessary mitigation measures in the detailed design of the development. Discussions are currently ongoing between site promoters and WWU, to identify the solutions for their sites and agree in principle on the site specific pipeline upgrading measures and routeing requirements necessary to overcome HSE advice against development. The latest response from site promoters to HSE advice is attached as Appendix B. WWU response to consultation on the Draft Plan and specification for safe working in the vicinity of gas pipelines is attached as Appendix C.

Costs associated with any mitigation measures will be explored through the Infrastructure Delivery Plan and the impact on deliverability tested through the Council's viability assessment. This work has been commissioned and consultants are in discussions with site promoters and utility providers.

Appendix A – Health and Safety Executive (HSE) advice

- PS37 New settlement at Wisloe
- G1 South of Hardwicke

Appendix B - Site promoter's responses

- PS37 New settlement at Wisloe
- G1 South of Hardwicke

Appendix C – Wales and West Utilities (WWU) response to consultation and specification for safe working in the vicinity of gas pipelines

Appendix A - Health and Safety Executive advice

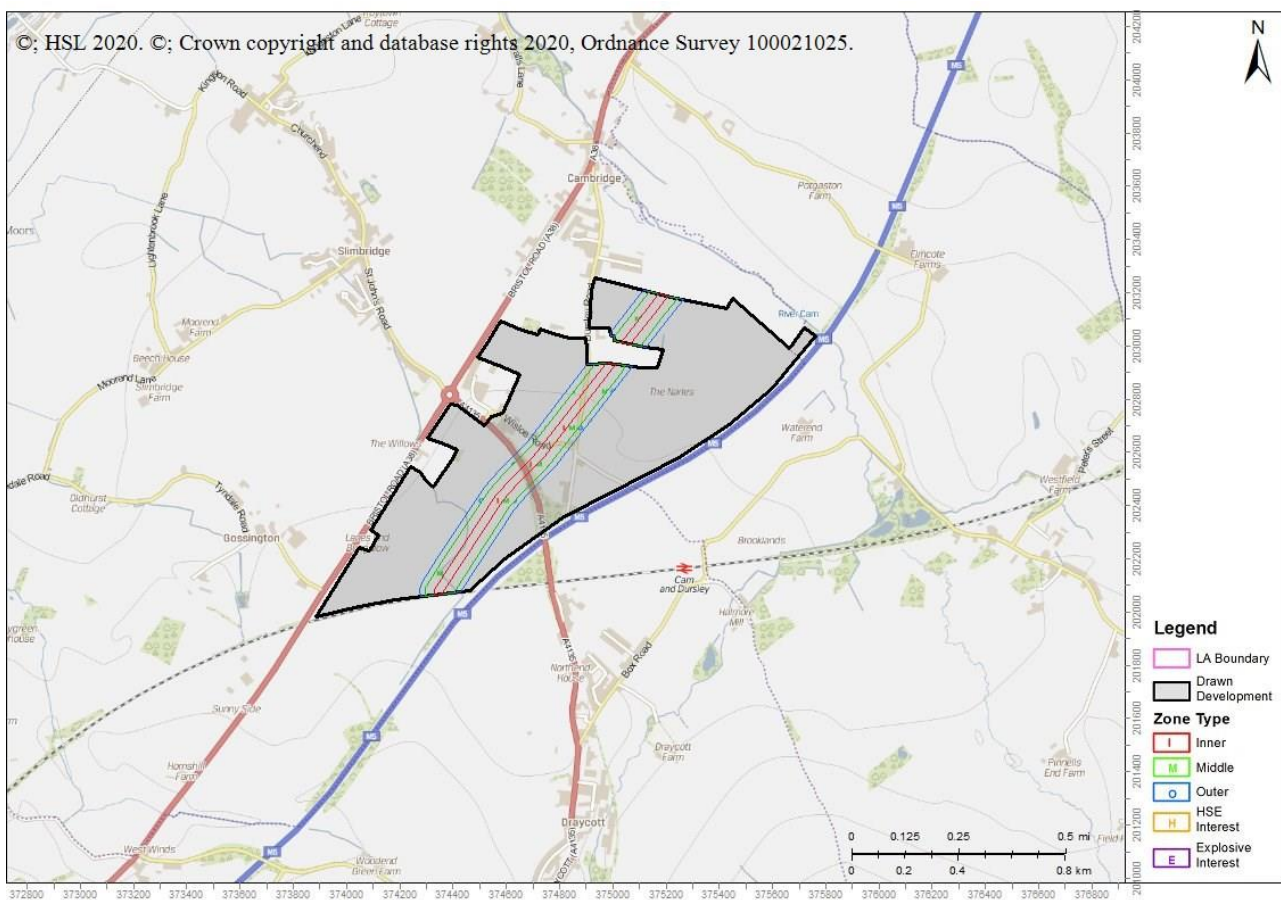
Advice : HSL-200312163803-55 Crosses Consultation Zone

Please enter further details about the proposed development by continuing with the enquiry on the HSE's Planning Advice Web App from the Previous Enquiries tab either now or at a later time, unless the Web App has stopped the process and notified you to contact HSE.

Your Ref: PS37 Land at Wisloe

Development Name:

Comments:



The proposed development site which you have identified currently lies within the consultation distance (CD) of at least one major hazard site and/or major accident hazard pipeline; HSE needs to be consulted on any developments on this site.

This advice report has been generated using information supplied by [REDACTED] at Stroud District on 12 March 2020.

You will also need to contact the pipeline operator as they may have additional constraints on development near their pipeline.

- 7208_1477 Wales and West Utilities

HSL/HSE accepts no liability for the accuracy of the pipeline routing data received from a 3rd party. HSE/HSL also accepts no liability if you do not consult with the pipeline operator.



Stroud District
Stroud District Council
Stroud
Glos
GL5 4UB



Decision : HSL-200312163803-55 ADVISE AGAINST

Your Ref: PS37 Land at Wisloe

Development Name:

Comments:

Land Use Planning Consultation with Health and Safety Executive [Town and Country Planning (Development Management Procedure) (England) Order 2015, Town and Country Planning (Development Management Procedure) (Wales) Order 2012, or Town and Country Planning (Development Management Procedure) (Scotland) Regulations 2013]

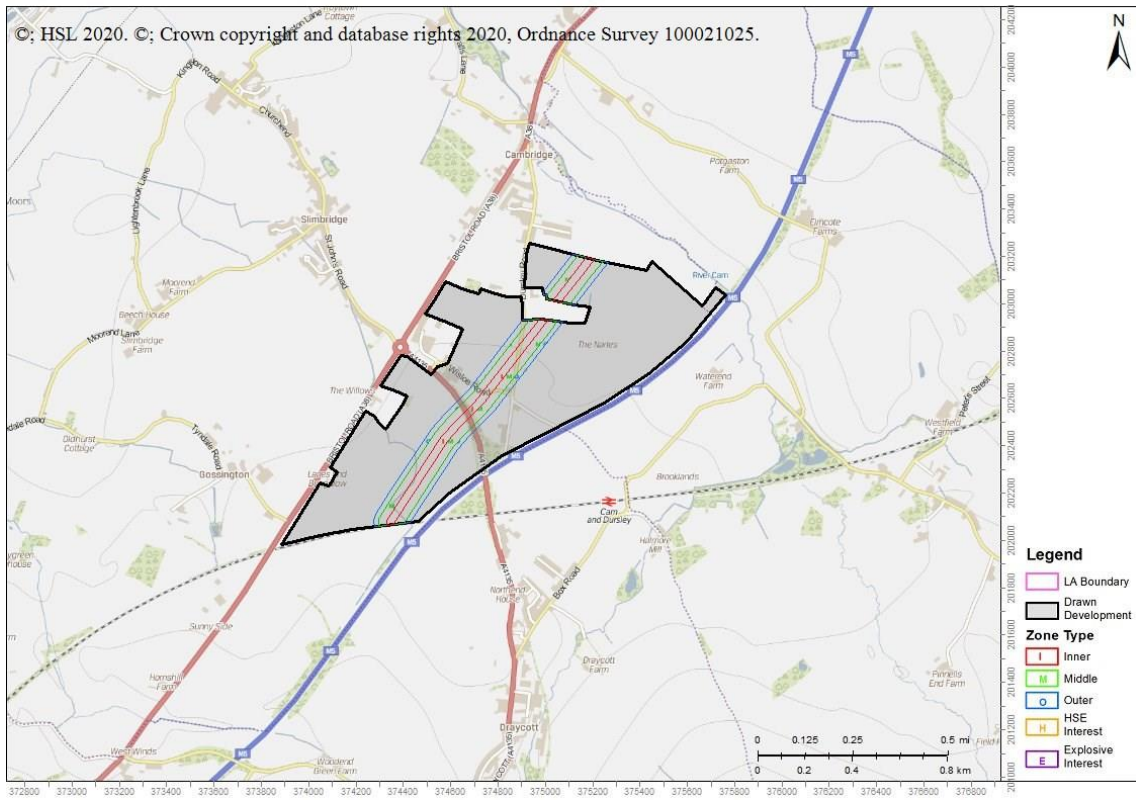
Commercial In Confidence

The Health and Safety Executive (HSE) is a statutory consultee for certain developments within the Consultation Distance of Major Hazard Sites/ pipelines. This consultation, which is for such a development and also within at least one Consultation Distance, has been considered using HSE's planning advice web app, based on the details input on behalf of Stroud District.

HSE's Advice: Advise Against. The assessment indicates that the risk of harm to people at the proposed development site is such that **HSE's advice is that there are sufficient reasons on safety grounds, for advising against the granting of planning permission in this case.**

Major hazard sites/pipelines are subject to the requirements of the Health and Safety at Work etc. Act 1974, which specifically includes provisions for the protection of the public. However, the possibility remains that a major accident could occur at an installation and that this could have serious consequences for people in the vicinity. Although the likelihood of a major accident occurring is small, it is felt prudent for planning purposes to consider the risks to people in the vicinity of the hazardous installation. Where hazardous substances consent has been granted (by the Hazardous Substances Authority), then the maximum quantity of hazardous substance that is permitted to be on site is used as the basis of HSE's assessment.

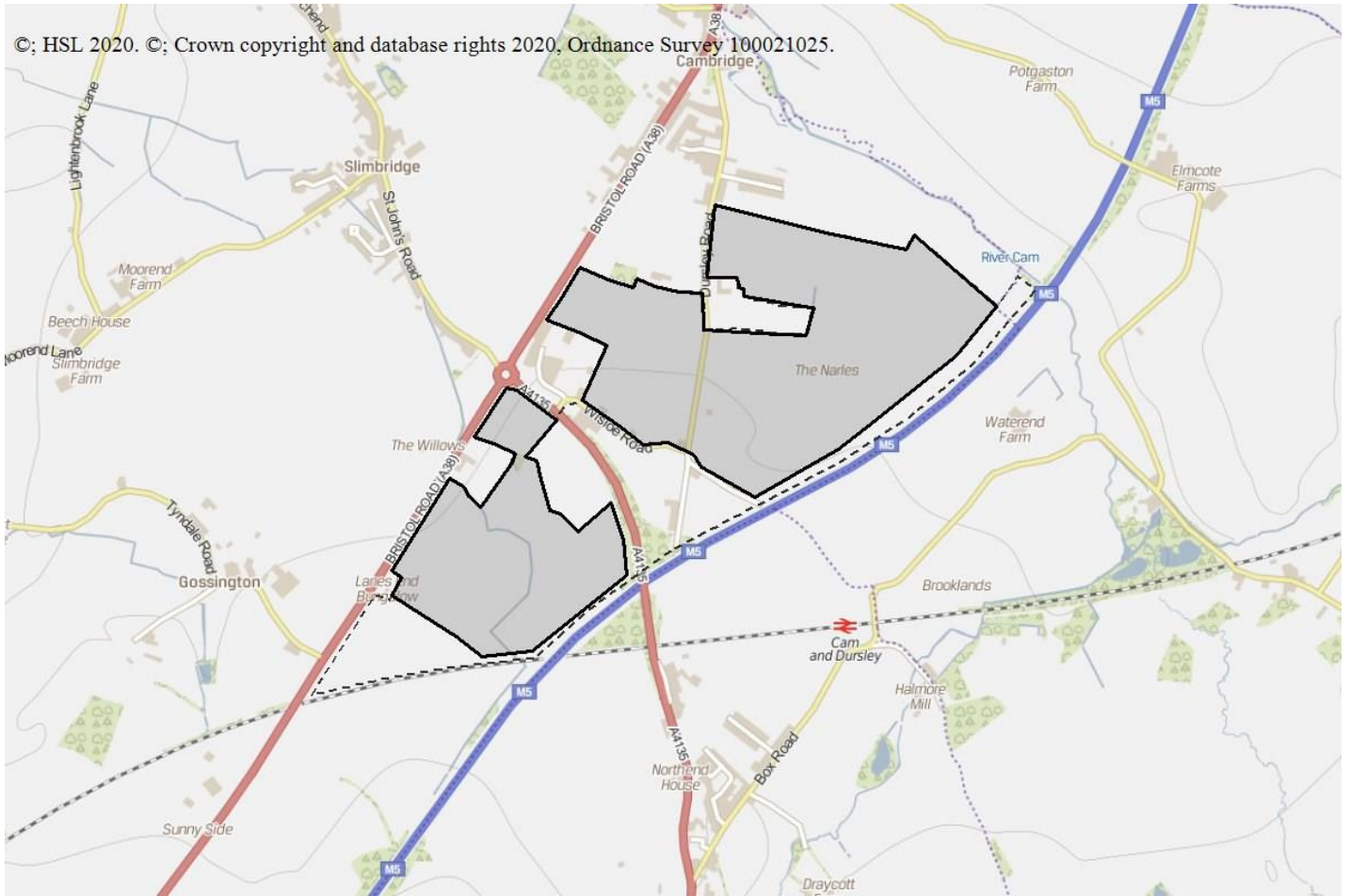
If, nevertheless, you are minded to grant permission, your attention is drawn to Section 9, paragraph 072 of the online Planning Practice Guidance on Hazardous Substances - Handling development proposals around hazardous installations, published by the Department for Communities and Local Government, or paragraph A5 of the National Assembly for Wales Circular 20/01. These require a local planning authority to give HSE advance notice when it is minded to grant planning permission against HSE's advice, and allow 21 days from that notice for HSE to consider whether to request that the Secretary of State for Communities and Local Government, or Welsh Ministers, call-in the application for their own determination. The advance notice to HSE should be sent to CEMHD5, HSE's Major Accidents Risk Assessment Unit, Health and Safety Executive Redgrave Court, Merton Road, Bootle, Merseyside, L20 7HS or by email to lup.padhi.ci5@hse.gov.uk. The advance notice should include full details of the planning application, to allow HSE to further consider its advice in this specific case.



Breakdown:

Housing AA

How many dwelling units are there (that lie partly or wholly within a consultation distance)? More than 30

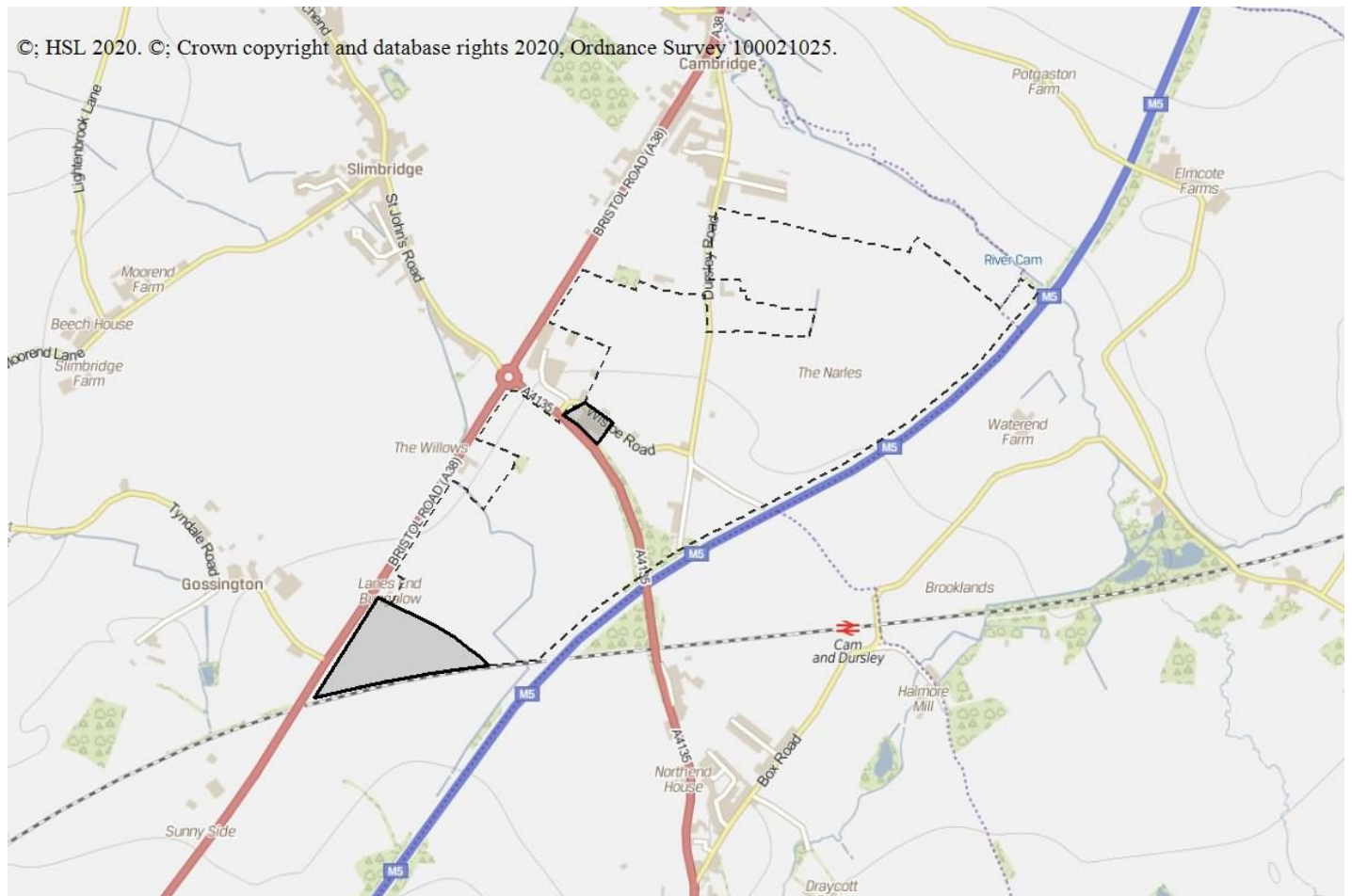


Workplaces DAA

Is it a workplace specifically for people with disabilities, e.g. sheltered workshops? No

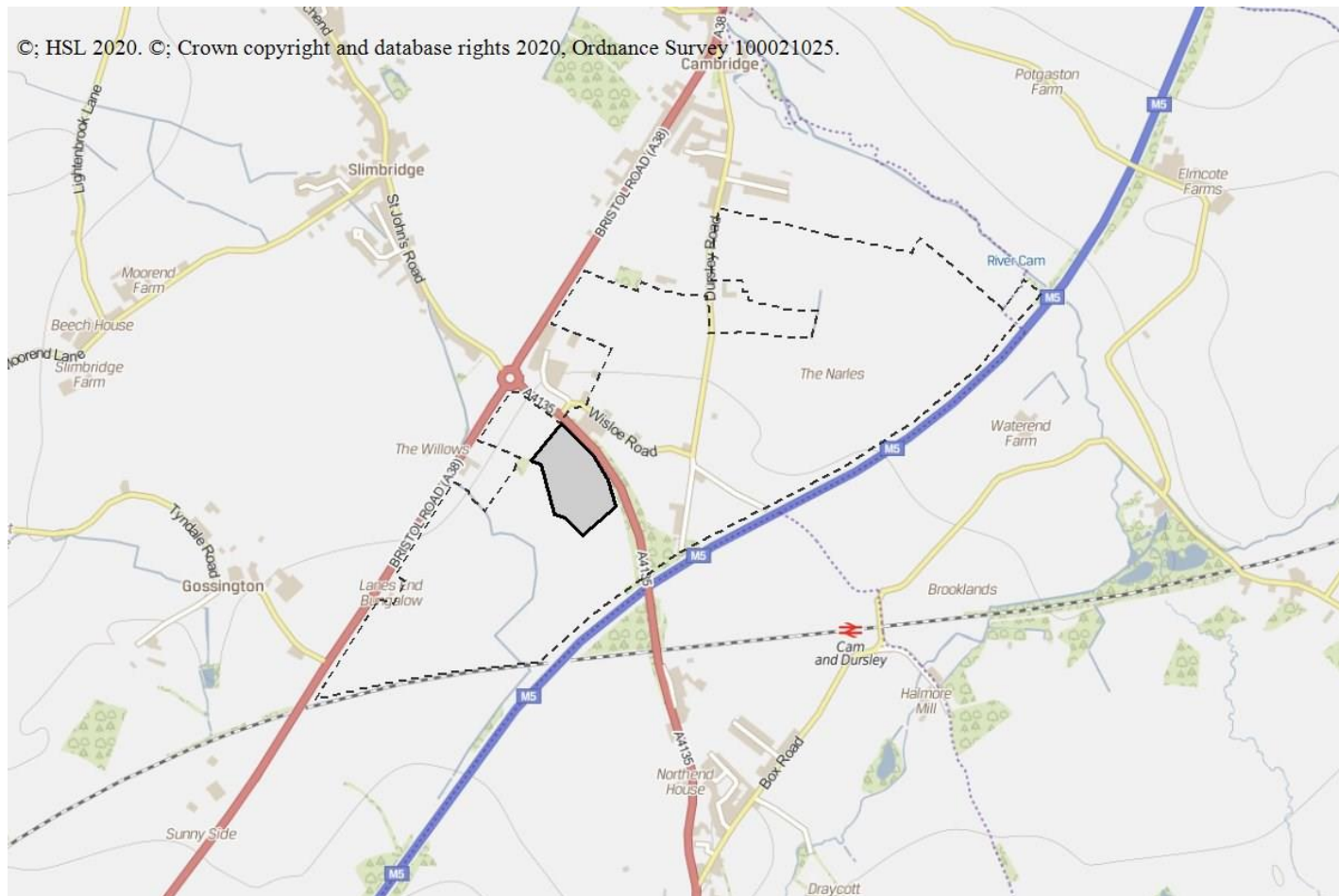
Are there 100 or more occupants in any individual workplace building (that lie partly or wholly within a consultation distance)? No

Are there 3 or more occupied storeys in any workplace building (that lie partly or wholly within a consultation distance)? No



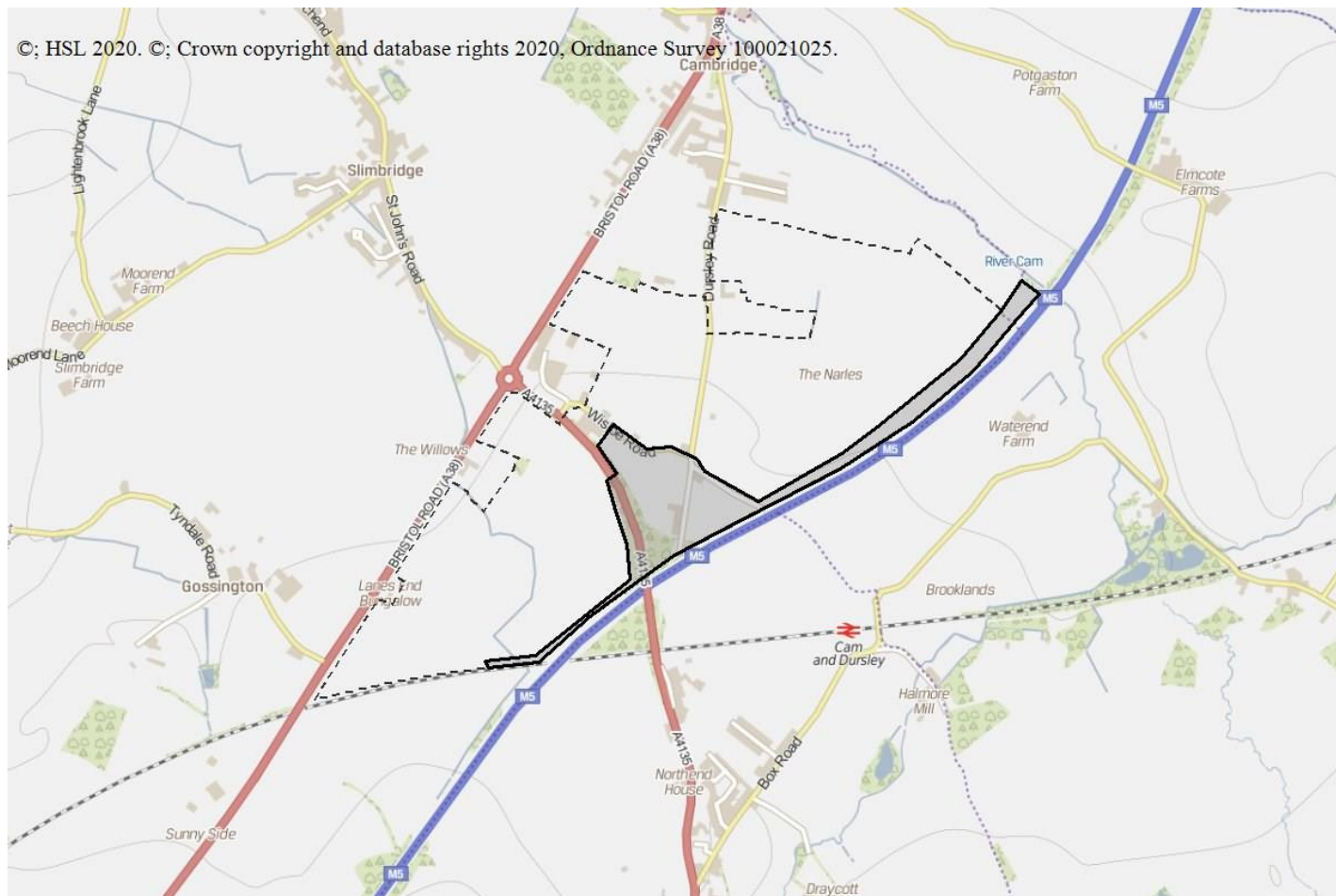
Institutional Accommodation And Education AA

Is the institutional accommodation a daycare facility or one that provides 24 hour care? Day care
Is the total area of the development (that lies wholly or partly within the consultation distance) greater than 1.4 hectares? Yes



Landscaping DAA

There are no questions for landscaping



If the proposed development relates to an extension to an existing facility, which will involve an increase of less than 10% in the population at the facility, then HSE may reconsider this advice; please contact HSE's Planning Advice team if this development involves such an extension.

Pipelines

- 7208_1477 Wales and West Utilities

As the proposed development is within the Consultation Distance of a major hazard pipeline you should consider contacting the pipeline operator before deciding the case. There are two particular reasons for this:

- The operator may have a legal interest (easement, wayleave etc.) in the vicinity of the pipeline. This may restrict certain developments within a certain proximity of the pipeline.
- The standards to which the pipeline is designed and operated may restrict occupied buildings or major traffic routes within a certain proximity of the pipeline. Consequently there may be a need for the operator to modify the pipeline, or its operation, if the development proceeds.

HSE's advice is based on our assessment of the pipeline as originally notified to us. It may be that in the vicinity of the proposed development the operator has modified the pipeline to reduce risks by, for example, laying thick-walled pipe. If you wish to contact the operator for this information then HSE is willing to re-assess the risks from the pipeline, relative to the proposed development, if all the following details are supplied to HSE by you:

- pipeline diameter, wall thickness and grade of steel.

- start and finish points of thick-walled sections (not required if it is confirmed that they are more than 750m from all parts of the development site).

These details to be clearly marked on a pipeline strip map, or other appropriate scale map, then included with the full consultation and submitted to CEMHD5, HSE's Major Accidents Risk Assessment Unit, Health and Safety Executive, Redgrave Court, Merton Road, Bootle, Merseyside, L20 7HS to allow it to be individually assessed. Please clearly identify on your covering letter that it is a resubmission with additional details of the major hazard pipeline.

This advice report has been generated using information supplied by [REDACTED] t Stroud District on 18 March 2020.

Note that any changes in the information concerning this development would require it to be re-submitted.



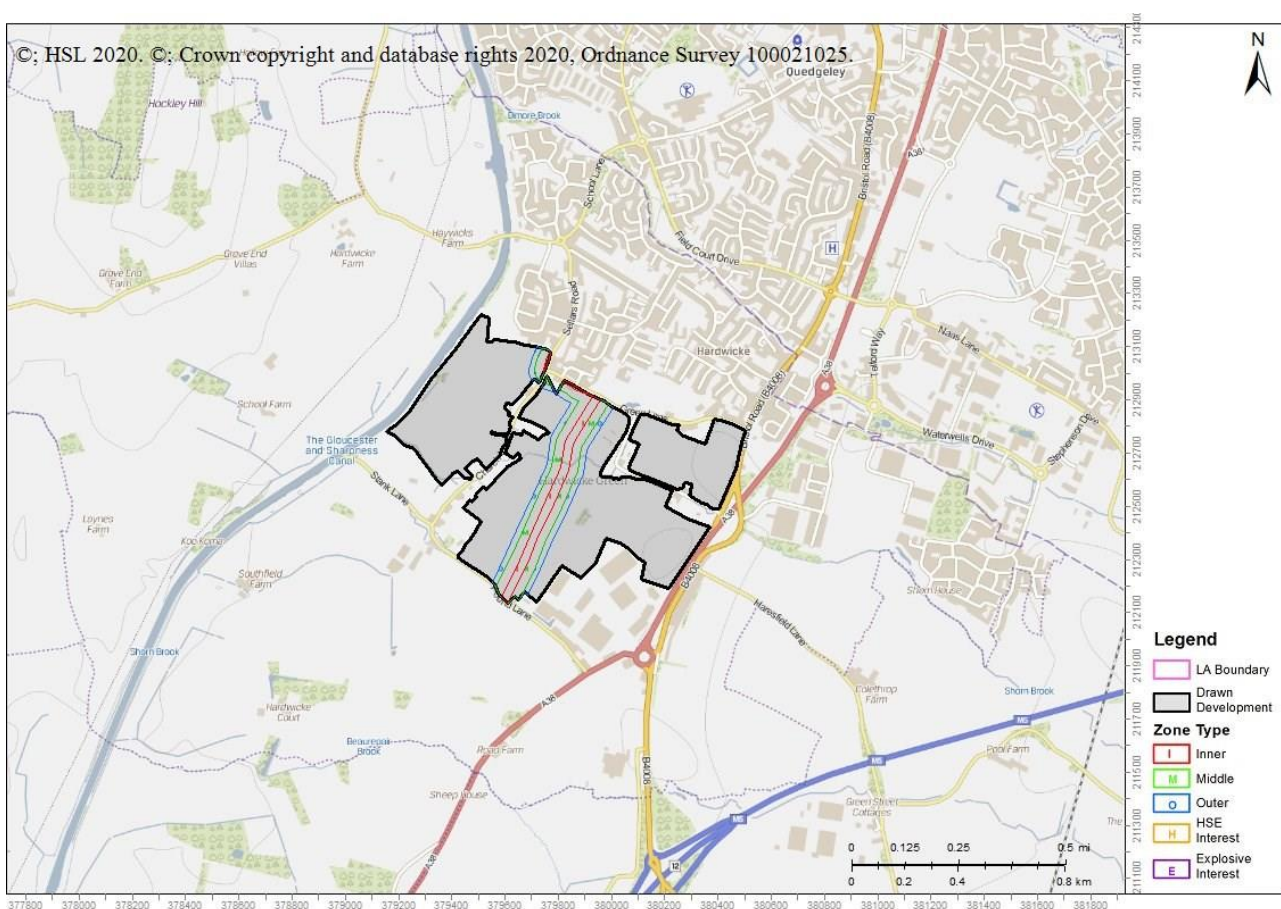
Advice : HSL-200421143900-55 Crosses Consultation Zone

Please enter further details about the proposed development by continuing with the enquiry on the HSE's Planning Advice Web App from the Previous Enquiries tab either now or at a later time, unless the Web App has stopped the process and notified you to contact HSE.

Your Ref: G1 South of Hardwicke

Development Name: Proposed Local Plan Review mixed use development allocation

Comments: Proposed allocation for strategic mixed use development, including approx. 1,200 dwellings, local centre, community uses, primary school, green infrastructure, open space and strategic landscaping.



The proposed development site which you have identified currently lies within the consultation distance (CD) of at least one major hazard site and/or major accident hazard pipeline; HSE needs to be consulted on any developments on this site.

This advice report has been generated using information supplied by [REDACTED] at Stroud District on 21 April 2020.

You will also need to contact the pipeline operator as they may have additional constraints on development near their pipeline.

• 7208_1477 Wales and West Utilities

HSL/HSE accepts no liability for the accuracy of the pipeline routing data received from a 3rd party. HSE/HSL also accepts no liability if you do not consult with the pipeline operator.



Stroud District
Stroud District Council
Stroud
Glos
GL5 4UB



Decision : HSL-200421143900-55 ADVISE AGAINST

Your Ref: G1 South of Hardwicke

Development Name: Proposed Local Plan Review mixed use development allocation

Comments: Proposed allocation for strategic mixed use development, including approx. 1,200 dwellings, local centre, community uses, primary school, green infrastructure, open space and strategic landscaping.

Land Use Planning Consultation with Health and Safety Executive [Town and Country Planning (Development Management Procedure) (England) Order 2015, Town and Country Planning (Development Management Procedure) (Wales) Order 2012, or Town and Country Planning (Development Management Procedure) (Scotland) Regulations 2013]

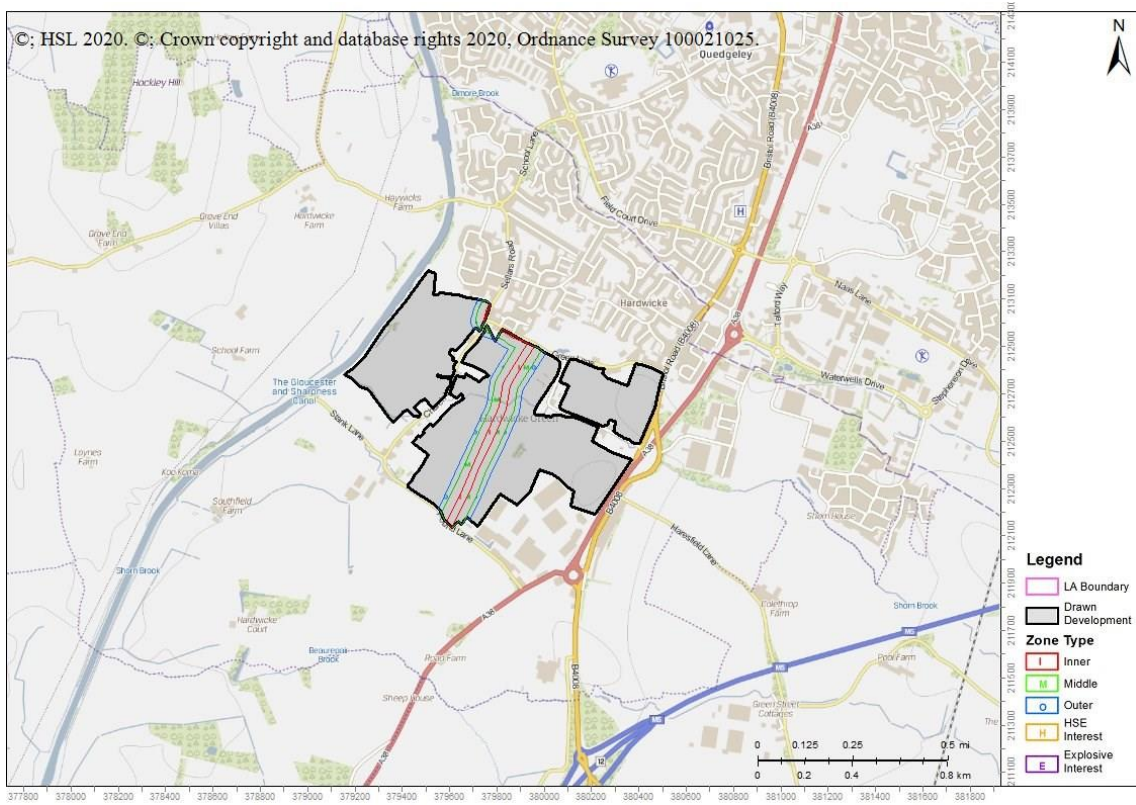
Commercial In Confidence

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HSE's Advice: Advise Against. The assessment indicates that the risk of harm to people at the proposed development site is such that **HSE's advice is that there are sufficient reasons on safety grounds, for advising against the granting of planning permission in this case.**

Major hazard sites/pipelines are subject to the requirements of the Health and Safety at Work etc. Act 1974, which specifically includes provisions for the protection of the public. However, the possibility remains that a major accident could occur at an installation and that this could have serious consequences for people in the vicinity. Although the likelihood of a major accident occurring is small, it is felt prudent for planning purposes to consider the risks to people in the vicinity of the hazardous installation. Where hazardous substances consent has been granted (by the Hazardous Substances Authority), then the maximum quantity of hazardous substance that is permitted to be on site is used as the basis of HSE's assessment.

If, nevertheless, you are minded to grant permission, your attention is drawn to Section 9, paragraph 072 of the online Planning Practice Guidance on Hazardous Substances - Handling development proposals around hazardous installations, published by the Department for Communities and Local Government, or paragraph A5 of the National Assembly for Wales Circular 20/01. These require a local planning authority to give HSE advance notice when it is minded to grant planning permission against HSE's advice, and allow 21 days from that notice for HSE to consider whether to request that the Secretary of State for Communities and Local Government, or Welsh Ministers, call-in the application for their own determination. The advance notice to HSE should be sent to CEMHD5, HSE's Major Accidents Risk Assessment Unit, Health and Safety Executive Redgrave Court, Merton Road, Bootle, Merseyside, L20 7HS or by email to lup.padhi.ci5@hse.gov.uk. The advance notice should include full details of the planning application, to allow HSE to further consider its advice in this specific case.



Breakdown:

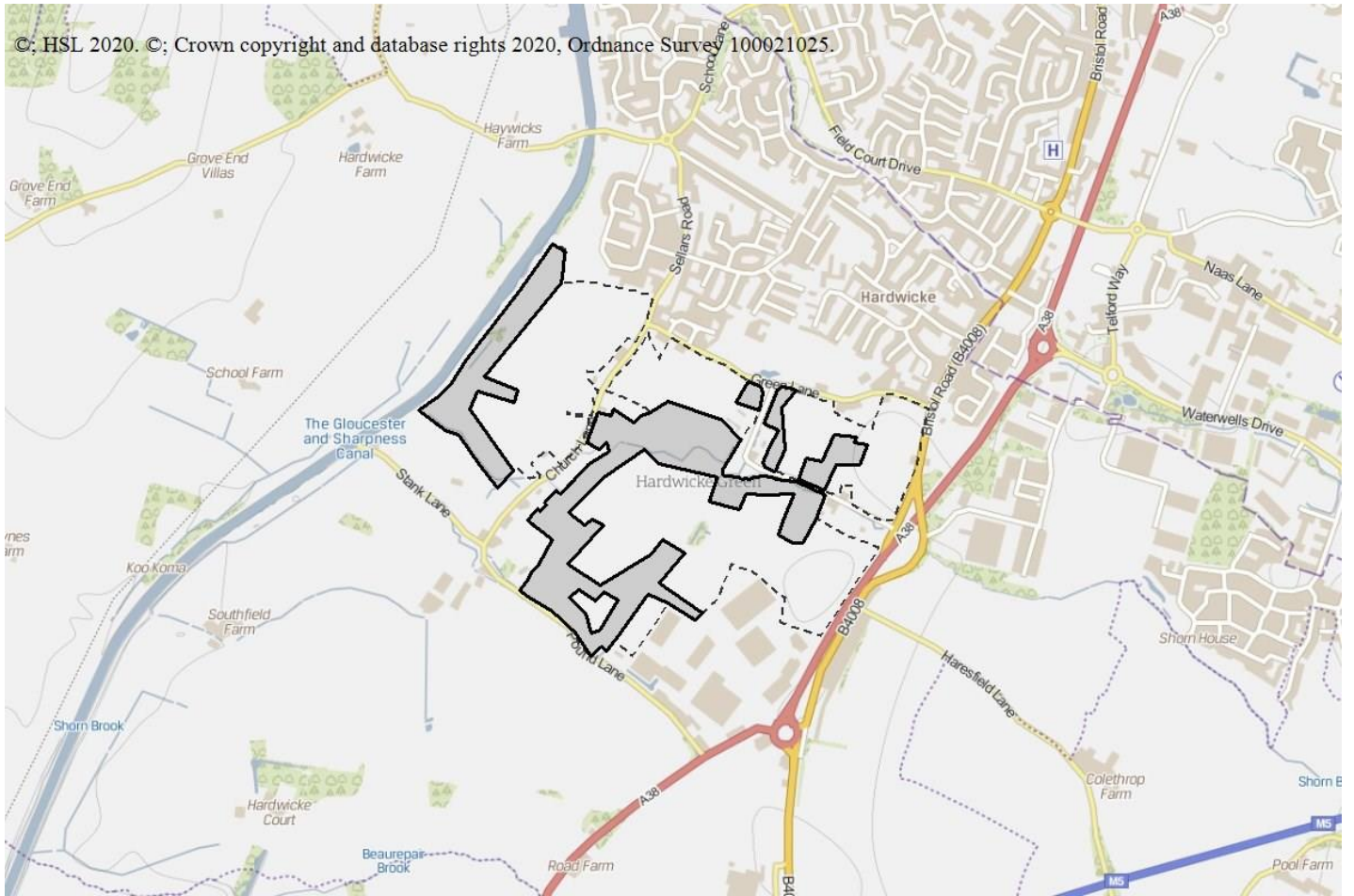
Outdoor Use By Public DAA

What is the maximum number of people likely to be present at any one time? Up to 100 people



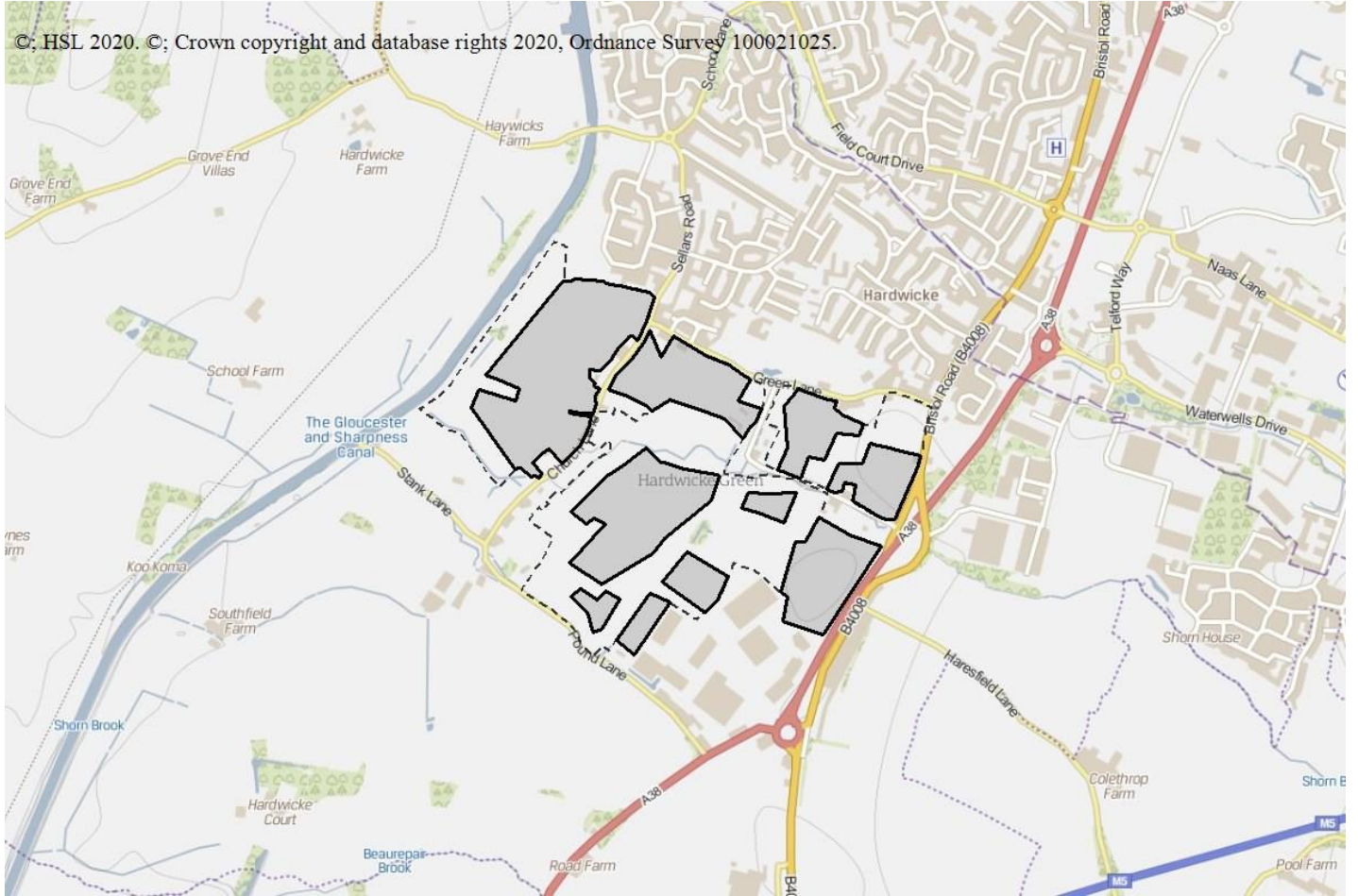
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How many dwelling units are there (that lie partly or wholly within a consultation distance)? More than 30



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Is it a workplace specifically for people with disabilities, e.g. sheltered workshops? No

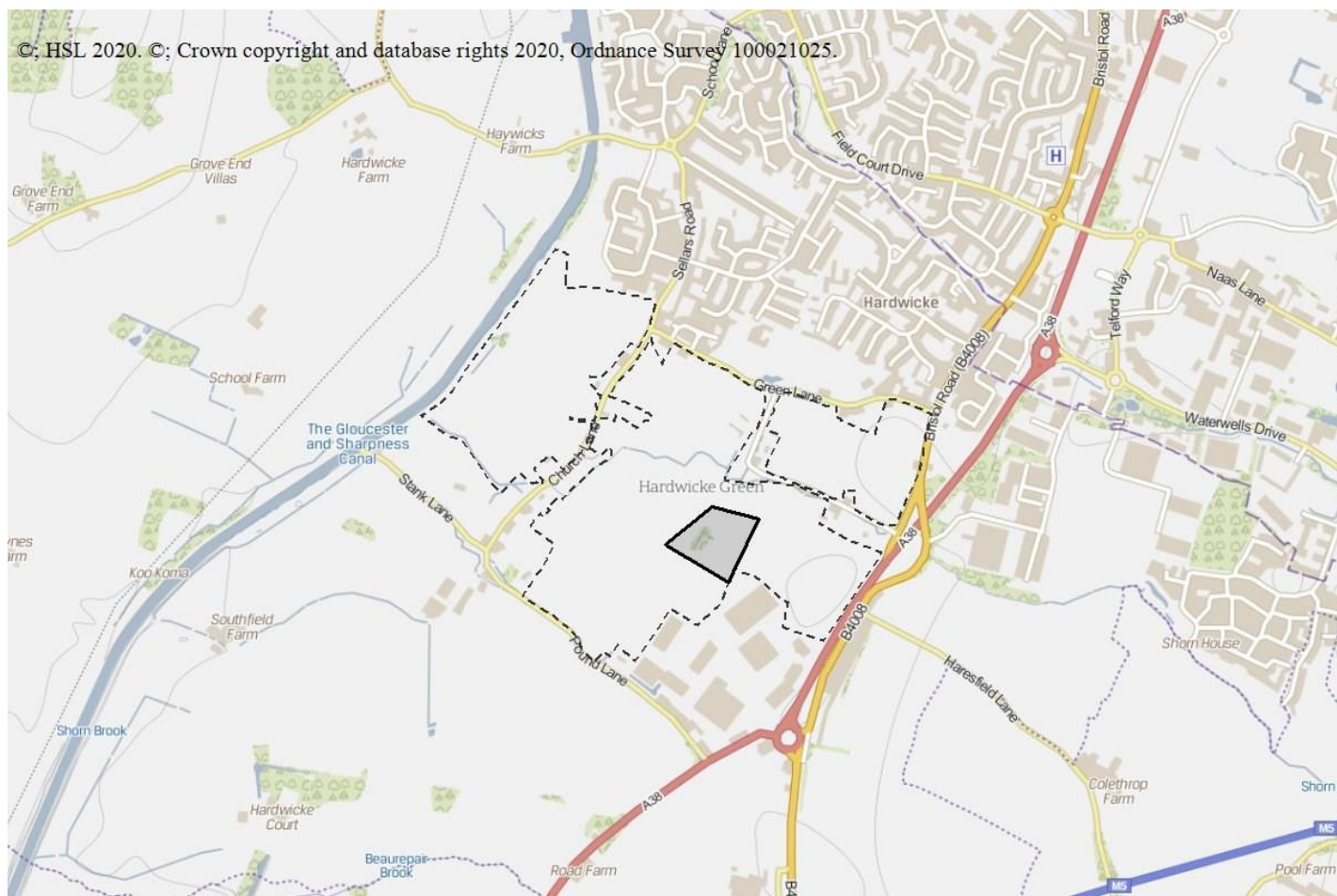
Are there 100 or more occupants in any individual workplace building (that lie partly or wholly within a consultation distance)? No

Are there 3 or more occupied storeys in any workplace building (that lie partly or wholly within a consultation distance)? No



Institutional Accommodation And Education DAA

Is the institutional accommodation a daycare facility or one that provides 24 hour care? Day care
Is the total area of the development (that lies wholly or partly within the consultation distance) greater than 1.4 hectares? Yes



If the proposed development relates to an extension to an existing facility, which will involve an increase of less than 10% in the population at the facility, then HSE may reconsider this advice; please contact HSE's Planning Advice team if this development involves such an extension.

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- The operator may have a legal interest (easement, wayleave etc.) in the vicinity of the pipeline. This may restrict certain developments within a certain proximity of the pipeline.
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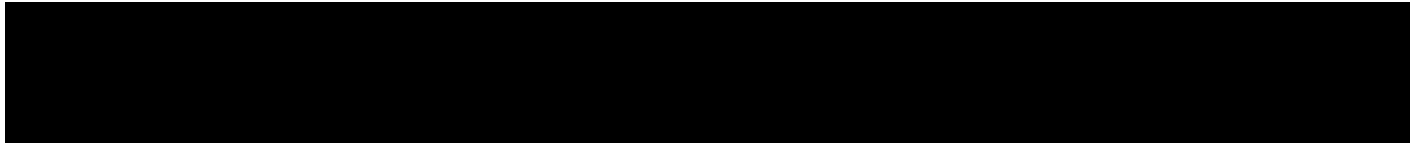
HSE's advice is based on our assessment of the pipeline as originally notified to us. It may be that in the vicinity of the proposed development the operator has modified the pipeline to reduce risks by, for example, laying thick-walled pipe. If you wish to contact the operator for this information then HSE is willing to re-assess the risks from the pipeline, relative to the proposed development, if all the following details are supplied to HSE by you:

- pipeline diameter, wall thickness and grade of steel.
- start and finish points of thick-walled sections (not required if it is confirmed that they are more than 750m from all parts of the development site).

These details to be clearly marked on a pipeline strip map, or other appropriate scale map, then included with the full consultation and submitted to CEMHD5, HSE's Major Accidents Risk Assessment Unit, Health and Safety Executive, Redgrave Court, Merton Road, Bootle, Merseyside, L20 7HS to allow it to be individually assessed. Please clearly identify on your covering letter that it is a resubmission with additional details of the major hazard pipeline.

This advice report has been generated using information supplied by [REDACTED] at Stroud District on 22 April 2020.

Note that any changes in the information concerning this development would require it to be re-submitted.



Appendix B - Site promoter's responses

[REDACTED]

Subject: RE: HSE Report - Wisloe
Attachments: 200320 HSE.docx

[REDACTED]

[REDACTED]

I attach the response to the HSE report.

Apologies for the delay on this. I'm sure you can understand The Ernest Cook Trust have been incredibly busy over the past few weeks.

Kind regards,

[REDACTED]

Social
Integrated Agency

Bristol | Leeds | Manchester

St Brandon's House
27-29 Great George Street
Bristol
BS1 5QT
www.social.co.uk

**VISIT OUR
NEW WEBSITE**

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The Health and Safety Executive's advice is in relation to only the small section of the site at Wisloe that the pipeline impacts. It is a key consideration for this part of the site as we progress plans.

It is both an opportunity and a constraint. Considerations like this are common and our plans will obviously need to avoid development around the pipeline. We are exploring the exact area impacted which could increase or decrease depending on mitigations that could be made to the pipeline itself.

This area presents an opportunity to form part of the network of open and green spaces that will help define the development at Wisloe.

As we progress our plans we will do so in consideration of the pipeline and work alongside utilities companies, the Health and Safety Executive and all other relevant stakeholders – including the local community – to propose a solution that is sensible, attractive and of benefit to the local community and the environment.



LAND TO THE SOUTH OF HARDWICKE, GLOUCESTERSHIRE

STATEMENT DEALING WITH HSE ADVICE IN RESPECT OF HIGH PRESSURE GAS PIPELINE

Introduction

1. This statement dealing with the Health and Safety Executive (HSE) advice in respect of high pressure gas pipeline has been prepared by PFA Consulting on behalf of Redrow Homes, the promoter of Land to the South of Hardwicke, Gloucestershire. The site is identified in the emerging Stroud District Local Plan Review as 'G1 South of Hardwicke' to be allocated for a strategic mixed use development, including approximately 1,200 dwellings, local centre, community uses, primary school, green infrastructure, open space and strategic landscaping.
2. Stroud District Council has consulted with HSE in connection with its proposed site allocations. HSE's current advice in respect of 'G1 South of Hardwicke' is 'Advise Against' because of the presence of a 'major accident hazard pipeline' that crosses the site. It is important to note that this advice is based on HSE's assessment of the pipeline as originally notified to it and does not take into account potential upgrades to the pipeline that can reduce the offsets and thus the impact. Upgrades to pipelines such as the one that crosses the site, potentially involving thick walled sections of pipe, pipe re-alignment and designing green open spaces within the proposed development to accommodate offsets, can enable restrictions that would be imposed on development by the HSE to be reduced/lifted as set out below.

The Pipeline

3. The pipeline is a high pressure gas pipeline operated by Wales and West Utilities (WWU) in its role as a Licensed Gas Transporter. The high pressure pipeline is part of the national transmission network. It crosses Pound Lane, routes across the site on a broadly southwest-northeast alignment up to Green Lane where it turns west along Green Lane and then north along Sellars Road. WWU has confirmed that the pipeline where it crosses the site comprises a 350mm diameter X46 steel pipe with an 8mm wall thickness.

Consultations

4. Redrow Homes engaged PFA Consulting to prepare a 'utilities strategy' for the site in early 2019. As part of that work, enquiries were made to the HSE and it confirmed that there are HSE Consultation zones that affect the development proposals. The details of the pipeline and the associated HSE zones are:

Name: **Gloucester/Wickwar (Ref GW)**

HSE Ref: **7208**

Transco Ref: **1477**

Operator: **Wales and West**

HSE Consultation Zones

Inner Zone (in metres): **16**

Middle Zone (in metres): **49**

Outer Zone (in metres): **70**

These distances apply on either side of the pipeline. All distances should be measured from the centre of the pipeline.

5. The HSE advised that consideration should be given to contacting the pipeline operator to see if the pipeline has been modified in this area; if it has, then HSE would be willing to reassess the risks from the pipeline, relative to the proposed development. In line with that advice WWU was consulted and it confirmed the pipeline diameter, wall thickness, material and grade as set out above. WWU also confirmed that it has no plans to upgrade the pipeline in the foreseeable future. It advised that if the section within the site was replaced with 'heavy wall pipe' the building proximity distance imposed by WWU would reduce to 3m. WWU also advised that it would anticipate that the HSE zones would also reduce to 3m.
6. A meeting was held between PFA Consulting and WWU in May 2019 at which WWU confirmed that it would be willing to work with the promoter of the site to help to reduce the constraints associated with the high pressure gas pipeline and maximise the development potential of the land.
7. The existing high pressure gas pipeline in its current location has significant implications for development for reasons of its alignment and restrictions imposed by WWU and the HSE. WWU advised at the meeting that the constraints can be reduced/lifted by way of an upgrade to the pipeline.
8. The options for upgrading the pipeline were discussed with WWU at the meeting. To the north of the site, the pipeline has been encased in reinforced concrete in Green Lane and Sellars Road. There is also a 'thick wall section' of pipe in Green Lane. WWU has advised that concrete protection is no longer viable, which leads to the conclusion that a thick walled pipe on a new alignment would most likely be required to achieve the necessary upgrade.
9. The 'next steps' were discussed with WWU at the meeting and it proposed a feasibility study to explore the options and provide more detailed cost estimates of the works. The feasibility study is typically undertaken prior to progressing to the detailed design stage.

Current Proposals

10. Based on the consultations with HSE and WWU set out above, the current proposals are to divert the pipeline, by way of a new section upgraded to a higher specification laid along a 'combined utilities corridor', respecting minimum separation distances with other utilities, either within proposed highways or the network of green open spaces within the proposed development. These proposals have been incorporated into the utilities strategy, which has informed the ongoing masterplanning process being undertaken by Redrow Homes and its consultant team.

Summary

11. In summary, a high pressure gas pipeline has been identified as a potential constraint on development for reasons of its alignment and restrictions imposed by the pipeline operator, Wales and West Utilities (WWU), and the Health and Safety Executive (HSE). Both the HSE and WWU have been consulted and proposals for the pipeline to enable the associated constraints to be reduced/lifted have been devised based on the advice received. These proposals have been incorporated into a utilities strategy for the site, which has informed the ongoing masterplanning process. It is on this basis that it is anticipated that, with appropriate mitigation measures in respect of the pipeline, the proposed development can be accommodated on the site in accordance with the emerging Local Plan allocation.

Appendix C - Wales and West Utilities (WWU) response to consultation and specification

From: [REDACTED]
Sent: [REDACTED]
To: _WEB_Local Plan
Subject: RE: Stroud District Local Plan Review
Attachments: 8150105932-Planning App Letter.pdf; 8150105932 plan.pdf
Categories: Consultation response

Good Afternoon,

Please see below and attached our comments on this plan.

Our Reference: 8150105932

Please find enclosed a copy of the requested plan and our general conditions, for your reference.

Our records show those pipes owned by Wales & West Utilities (WWU) in its role as a Licensed Gas Transporter (GT). Service pipes, valves, syphons, stub connections, etc. may not be shown but their presence should be anticipated. No warranties are therefore given in respect of it.

They also provide indications of gas pipes owned by other GTs, or otherwise privately owned, which may be present in this area. This information is not information of WWU and WWU is unable to verify this information or to confirm whether it is accurate or complete.

The plan must be printed in A3 size and will also need to be produced in colour. If this is not possible, we can send you a hard copy if requested. Let me know if you require any further assistance.

Kind Regards,

[REDACTED]
Wales & West Utilities Ltd | Wales & West House | Spooner Close | 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.”

On 3rd December 2018, WWU’s asset information became available on LinesearchbeforeUdig. (LSBUD). LSBUD is an online search facility that allows its users to obtain the asset information and safety advice for over 75 active members. Utility companies, Local Authorities and any Contractors working on behalf of a Local Authority, can obtain asset location details and associated safety information free of charge. WWU charges apply for those who are obtaining the information for the purposing of reselling. Please note; charges may apply from other asset owners.

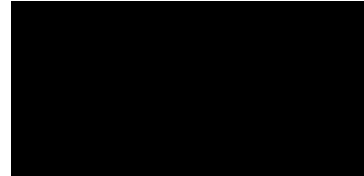
Our Reference Number : 8150105932
Your Reference Number : Stroud District Local Plan - PS37



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

www.wwutilities.co.uk

FAO:



Dear [Redacted]
Re: Planning Application

Wales & West Utilities have been made aware of a planning application on **11.02.2020**, advising us of the proposals at:

Wisloe Road, Cambridge, Gloucestershire, GL2 7AF

We 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 plan shows only those pipes owned by Wales & West Utilities in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's and also privately owned pipes may be present in this area. Information with regard to such pipes should be obtained from the owners. The information shown on this plan is given without obligation, or warranty and 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, its agents or servants for any error or omission.

Wales & West Utilities have no objections to these proposals, however our 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.

Wales & West Utilities apparatus may be directly affected by these proposals and the Information you have provided has been forwarded to Asset Management for their comments. If Wales & West are affected an Engineer will then contact you direct.

Please note this is in regard only to those pipes owned by Wales & West Utilities in its role as a licensed Gas Transporter (GT). Gas pipes owned by other GT's and also privately owned may be present in this area and information with regards to such pipes should be obtained from the owners.

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



BSL200

Wales & West Utilities Limited

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

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

Please note that the plans are only valid for 28 days from the date of issue and updated plans must be requested before any work commences on site if this period has expired.

If you have any queries please contact [REDACTED] who will be happy to assist you.

Yours sincerely

[REDACTED]

Connections Manager
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



BSL200

Wales & West Utilities Limited

Registered Office:

Wales & West House, Spooner Close, Coedkernew, Newport NP10 8FZ

Registered in England and Wales: No. 5046791

GENERAL CONDITIONS TO BE OBSERVED FOR THE PROTECTION OF APPARATUS AND THE PREVENTION OF DISRUPTION TO GAS SUPPLIES.

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

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

1. GRAPHIC REPRESENTATION OF GAS MAINS

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

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

2. METHODS OF WORKING

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

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

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

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

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

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

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

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

3. PROXIMITY OF OTHER PLANT

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

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

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



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4. PROTECTION

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

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

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

5. DAMAGE TO COATINGS

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

6. CATHODIC PROTECTION

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

7. HOT WORKS

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

8. DEMOLITION

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

9. TREE PLANTING

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

10. DEEP EXCAVATIONS

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

11. RENEWABLE ENERGY INSTALLATIONS

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

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

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

12. LEAKAGE FROM GAS MAINS OR SERVICES

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

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

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

**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



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13. BUILDING PROXIMITIES

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

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

14. SITE RESPONSIBILITIES

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

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

KEY TO MAPS

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

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



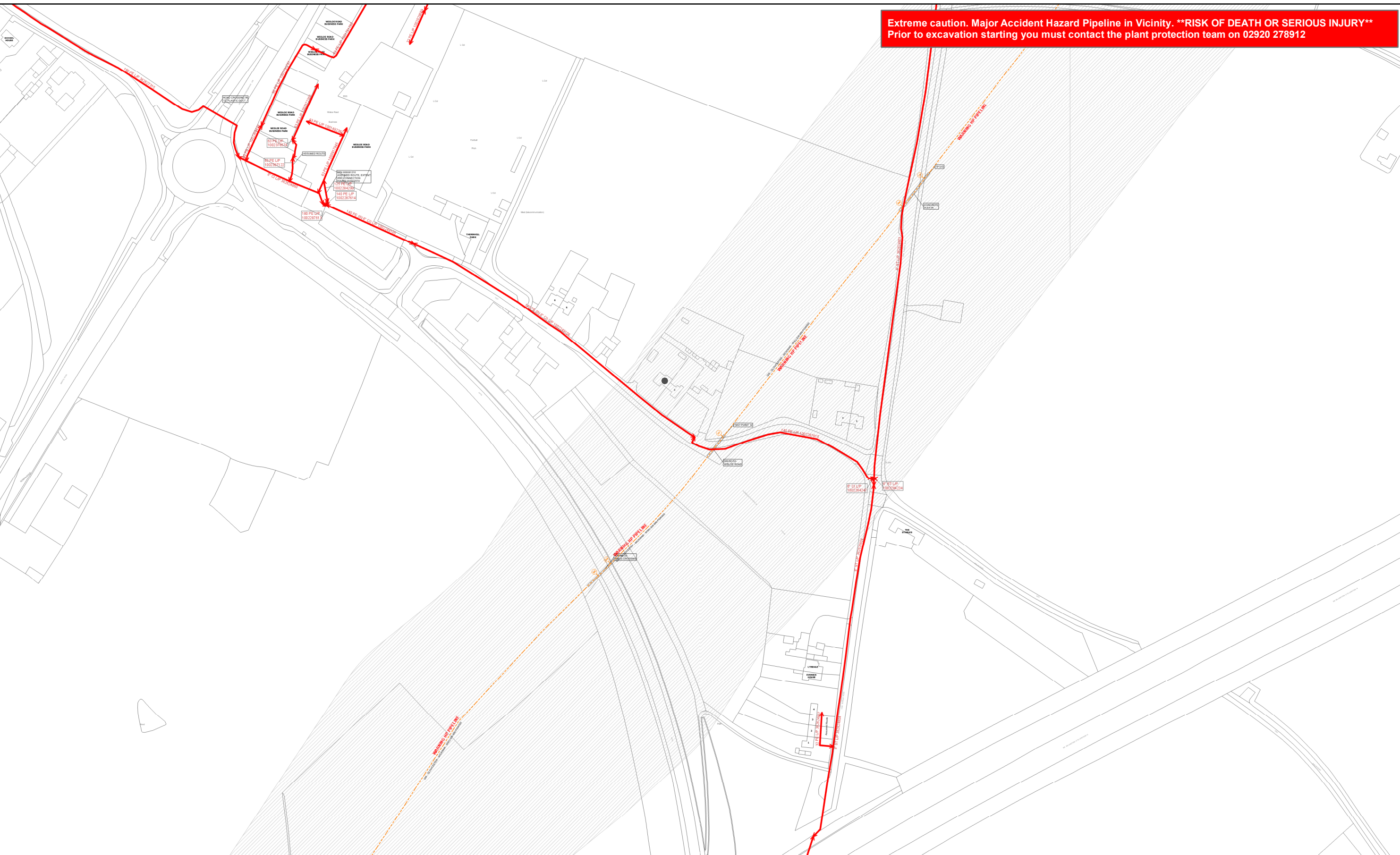
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Extreme caution. Major Accident Hazard Pipeline in Vicinity. ****RISK OF DEATH OR SERIOUS INJURY****
Prior to excavation starting you must contact the plant protection team on 02920 278912



Scale	1:2,500
User ID	
Date	11/02/2020
Grid Ref:	374,741 202,630
NRSA Response	

Low Pressure	IGT/Other Polygon
Medium Pressure	Contact Zones
Intermediate Pressure	NTS Pipeline
High Pressure	

Some examples of Plant Items:

Valve	Depth of Cover	Syphon	
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TITLE: Print Out

The plan shows those pipes owned by Wales & West Utilities (WU) in its role as a Licensed Gas Transporter (GT). The information shown on this plan is derived from historic information and may have involved re-scaling plans, and the accuracy of it cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. may not be shown but their presence should be anticipated. No warranties are therefore given in respect of it. WU its employees and contractors do not accept any liability for any inaccuracy or incompleteness in it.

You must use safe digging practices, in accordance with HS(G)47, to 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 or near gas apparatus. The information shown on this plan should not be used beyond 28 days from the date of issue of this plan as it is subject to updating.

The plan also provides indications of gas pipes owned by other GTs, or otherwise privately owned, which may be present in this area. This information is not information of WU and WU is unable to verify this information or to confirm whether it is accurate or complete. It is supplied voluntarily to assist the user in determining whether to make contact with other GTs or others. The user must obtain such information from the other GT or person concerned. WU, its employees and contractors do not accept any liability for this information or any inaccuracy or incompleteness in it.

WALES & WEST UTILITIES

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

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WW/SP/SSW/22



SPECIFICATION FOR

**SAFE WORKING IN THE VICINITY OF PIPELINES AND
ASSOCIATED INSTALLATIONS OPERATING ABOVE 2
BARG - REQUIREMENTS FOR THIRD PARTIES**

JUNE 2013

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FOREWORD

This Specification was approved, by Chris Clarke, Director of Asset Management and HS&E Dept on 21st June 2013 for use by managers, engineers and supervisors throughout Wales & West Utilities Limited.

Documents are revised, when necessary, by the issue of new editions. Users should ensure that they are in possession of the latest edition by referring to the document library available on the company intranet.

Compliance with this document does not confer immunity from prosecution for breach of statutory or other legal obligations.

BRIEF HISTORY

First published as T/SP/SSW22 Editorial update to reflect merger October 2002 Revised and reissued. Revised and Reissued as T/SP/SSW/22 Editorial update to comply with GRM	October 2001 November 2002 November 2003 June 2004 August 2004	EPSG/L01/283 EPSG/A03/10125 EPSG/T04/1209
Document revised to remove reference to Transco and replace with WWU Ltd.	May 2006	
Document revised to reflect WWU management structure, include IP pipelines and update letters	April 2013	

KEY CHANGES (Identify the changes from the previous version of this document)

Section	Amendments
1	Scope extended from any pipe operating above 7bar to above 2bar gauge
5 & 6	References added to T/PR/P/18
8	References added to wind turbine development near pipelines

USE

This document is provided by Wales & West Utilities Limited for information and reference.

MANDATORY AND NON-MANDATORY REQUIREMENTS

In this document:

must: indicates a mandatory requirement.

should: indicates best practice and is the preferred option. If an alternative method is used then a suitable and sufficient risk assessment must be completed to show that the alternative method delivers the same, or better, level of protection.

SPECIFICATION FOR SAFE WORKING AND DEVELOPMENT IN THE VICINITY OF PIPELINES AND ASSOCIATED INSTALLATIONS OPERATING ABOVE 2 BARG - REQUIREMENTS FOR THIRD PARTIES

INTRODUCTION

This specification is for issue to third parties carrying out work in the vicinity of high pressure gas pipelines (above 2 bar gauge) and associated installations and is provided to ensure that individuals planning and undertaking work take appropriate measures to prevent damage.

Any damage to a high-pressure gas pipeline or its coating can affect its integrity and can result in failure of the pipeline with potential serious hazardous consequences for individuals located in the vicinity of the pipeline if it were to fail. It is therefore essential that the procedures outlined in this document are complied with when working near to a high pressure, above 2 bar gauge, pipeline. If any work is considered by Wales & West Utilities to be in breach of the requirements stipulated in this document then the Wales & West Utilities responsible person will suspend the work until the non-compliances have been rectified.

The Pipelines Safety Regulations state that “No person shall cause such damage to a pipeline as may give rise to a danger to persons” (Regulation 15). Failing to comply with these requirements could therefore also result in prosecution by the Health and Safety Executive (HSE).

The requirements in this document are in line with the requirements of the IGE (Institution of Gas Engineers) recommendations IGE/SR/18 Edition 2 - Safe Working Practices To Ensure The Integrity Of Gas Pipelines And Associated Installations and the HSE’s guidance document HS(G)47 Avoiding Danger from Underground Services.

It is the responsibility of the third party to ensure that any work carried out also conforms with the requirements of the Construction and Design Management Regulations and all other relevant health and safety legislation.

**WHEN CARRYING OUT WORK IN THE VICINITY OF A HIGH PRESSURE PIPELINE
FOLLOW THE FOLLOWING PROCESS**

CONTACT WALES & WEST UTILITIES

Contact Wales & West Utilities to obtain formal consent - Section 2 of this document.
Note: at least 7 days' notice prior to commencement of the work is normally required



CONSIDER SAFETY

Consider the safety requirements - Section 3 of this document.



INFORM Wales & West Utilities AND REQUEST PIPELINE LOCATION

Inform Wales & West Utilities prior to carrying out work and arrange for Wales & West Utilities to locate the pipeline - Section 4 of this document
Note: at least 7 days' notice is normally required



OBSERVE RESTRICTIONS

Observe Wales & West Utilities restrictions on the allowed proximity of mechanical excavators and other power tools and the measures to protect the pipeline from construction vehicles when carrying out the work – Sections 5, 6 and 7 of this document.
Note: Wales & West Utilities may wish to supervise the work, consult Wales & West Utilities to confirm whether or not this is the case.



SPECIFIC ACTIVITIES

If work involves any of the following activities:

- No-Dig Techniques
- Increase in Cover
- Piling
- Demolition
- Hot Work
- Blasting
- Surface Mineral Extraction
- Deep Mining
- Landfilling
- Pressure Testing
- Seismic Surveys
- Wind Turbines

Comply with the requirements in Section 8 of this document



CONSULT WALES & WEST UTILITIES

Consult Wales & West Utilities prior to any backfilling over, alongside or under the pipeline and obtain Wales & West Utilities agreement to proceed. Normally Wales & West Utilities require 48 hours notice prior to backfilling - Section 9 of this document.

IMPORTANT: This flowchart should be used in conjunction with the entire SSW22 document and not in isolation, AND if at any time during the works the pipeline is damaged even slightly then observe the precautions in Section 10 of this document.

IF IN DOUBT CONTACT Wales & West Utilities

1. SCOPE

This specification sets out the safety precautions and other conditions affecting the design, construction and maintenance of services, structures and other works in the vicinity of Wales & West Utilities pipelines and associated installations operating at pressures greater than 2 bar gauge, located in both negotiated easements (see Section 12), in public highways and within the wider area of interest around a pipeline.

2. FORMAL CONSENT

High pressure pipelines are generally laid across country within an easement agreed with the landowner or within the highway.

As the required arrangements for working within an easement and working within the highway differ, this document has been structured to highlight the specific requirements for these two types of area where work may be carried out.

Generally, normal agricultural activities are not considered to affect the integrity of the pipeline, however consult Wales & West Utilities prior to undertaking deep cultivation in excess of 0.5m.

In all other cases no work shall be undertaken in the vicinity of the pipeline without the formal written consent of Wales & West Utilities.

Any documents, handed to contractors on site by Wales & West Utilities must be signed for by the site manager. Wales & West Utilities will record a list of these documents using the form in Appendix A, and the contractor should maintain a duplicate list.

2.1 Within an Easement

The promoter of any works (see Section 12) within an easement must provide Wales & West Utilities with details of the proposed works including a method statement of how the work is intended to be carried out.

Work must not go ahead until formal written consent has been given by Wales & West Utilities. This will include details of Wales & West Utilities protection requirements, contact telephone numbers and the emergency telephone number.

On acceptance of Wales & West Utilities requirements the promoter of the works must give Wales & West Utilities 7 working days' notice, or shorter only if agreed with Wales & West Utilities, before commencing work on site.

2.2 Within the Highway

Work must be notified to Wales & West Utilities in accordance with the requirements of The New Roads and Street Works Act (NRSWA) and HS(G)47.

The promoter of any works within the highway should provide Wales & West Utilities with details of the proposed works including a method statement of how the work is intended to be carried out. This should be submitted 7 working days before the planned work is to be carried out or shorter, only if agreed with Wales & West Utilities. If similar works are being carried out at a number of locations in close proximity a single method statement should be adequate.

Work should not go ahead until formal written consent has been given by Wales & West Utilities. This will include details of Wales & West Utilities' protection requirements, contact telephone numbers and the emergency telephone number.

2.3 Within the Area of Interest

Certain other activities, such as the development of adjacent land with buildings, or other constructions which may have an impact on the safe operation of above 2 bar gauge pipelines, must also be notified to Wales & West Utilities, for example the construction of wind turbines, masts or aerials.

Developers should ensure early consultation with Wales & West Utilities in respect of such development, rather than relying on local authority planning consultation, which may lead to substantial late changes to design or constraints on the planned development.

3. HS&E CONSIDERATIONS

3.1 Safe Control of Operations

All working practices must be agreed by Wales & West Utilities prior to work commencing. All personnel working on site must be made aware of the potential hazard of the pipeline and the actions they should follow in case of an emergency. The Site Document Control Form (Appendix A) should be used to record the list of relevant documents that have been provided by Wales & West Utilities to the contractor.

3.2 Deep Excavations

Special consideration should be given to the hazards associated with deep excavations. The HSE document CIS08 'Safety in Excavations' provides further guidance and is available on the HSE web site www.hse.gov.uk

3.3 Positioning of Plant

Mechanical excavators must not be sited or moved above the pipeline unless written authority has been given by the Wales & West Utilities responsible person.

Mechanical excavators must not dig on one side of the pipeline with the cab of the excavator positioned on the other side.

Mechanical excavators and other traffic must be positioned far enough away from the pipeline trench to prevent trench wall collapse.

3.4 General

Activities associated with working in the vicinity of pipelines operating above 2 bar gauge may have impact on the safety of the general public, Wales & West Utilities staff and contractors, and may affect the local environment. Contractors must carry out suitable and adequate risk assessments prior to the commencement of work to ensure that all such issues are properly considered and risks mitigated.

4. PIPELINE LOCATING

The third party should give 7 working days' notice (or shorter as agreed with Wales & West Utilities) to ensure that the pipeline is suitably located and marked out by Wales & West Utilities prior to the work commencing.

Prior to work commencing on site the pipeline must be located and pegged or suitably marked out by Wales & West Utilities personnel. In exceptional circumstances with the prior agreement of Wales & West Utilities the locating and marking out of the pipeline could be carried out by competent third parties on behalf of the contractor as long as Wales & West Utilities is assured of their competence and the procedures to be followed.

Safe digging practices, in accordance with HSE publication HS(G)47 should be followed as both direct and consequential damage to gas plant can be dangerous both to employees and to the general public.

Previously agreed working practices should be reviewed and revised based on current site conditions. Any changes must be agreed by the Wales & West Utilities responsible person.

The requirements for trial holes to locate the pipeline or determine levels at crossing points must be determined on site by the Wales & West Utilities responsible person.

The excavation of all trial holes must be supervised by the Wales & West Utilities responsible person.

5. SLABBING AND OTHER PROTECTIVE MEASURES

No protective measures including the installation of concrete slab protection should be installed over or near to the Wales & West Utilities pipeline without the prior permission of Wales & West Utilities. Wales & West Utilities will need to agree the material, the dimensions and method of installation of the proposed protective measure. The method of installation must be confirmed through the submission of a formal written method statement from the contractor to Wales & West Utilities.

Where permanent slab protection is to be applied over the pipeline Wales & West Utilities should carry out a survey (Pearson or DCVG Survey) of the pipeline to check that there is no existing damage to the coating of the pipeline prior to the slab protection being put in place. In addition the pipeline records should be consulted to determine whether any other investigations or remedial works would be needed in advance of the slab construction, e.g. reference to T/PR/P/18. Wales & West Utilities must therefore be contacted prior to the laying of any slab protection to arrange this survey. The Safety precautions detailed in Sections 3 and 6 of this document should also be observed during the installation of the pipeline protection.

6. EXCAVATION

6.1 In Proximity to a Pipeline in an Easement

Third parties must not excavate unsupervised, with a powered mechanical excavator closer than 3 metres to the Wales & West Utilities located pipeline or with hand held power tools closer than 1.5 metres. Any fitting, attachment or connecting pipework on the pipeline must be exposed by hand. All other excavation must be by hand.

Consideration may be given to a relaxation of these limits by agreement with the Wales & West Utilities responsible person on site and only whilst he remains on site. In this case a powered mechanical excavator must not be allowed to excavate closer than 0.6 metres to the nearest part of the pipeline.

Where sufficient depth of cover exists, following evidence from hand dug trial holes, light tracked vehicles may be permitted to strip topsoil to a depth of 0.25 metres, using a toothless bucket.

No topsoil or other materials should be stored within the easement without the written permission of Wales & West Utilities.

No topsoil or materials should be stored over the pipeline.

No fires should be allowed in the easement strip or close to above ground gas installations.

After the completion of the work the level of cover over the pipeline should be the same as that prior to work commencing unless agreed otherwise with the Wales & West Utilities responsible person.

No new service shall be laid parallel to the pipeline within the easement. In special circumstances, and only with formal written agreement from Wales & West Utilities, this may be relaxed for short excursions where the service shall be laid no closer than 600 mm to the side of the pipeline.

Where work is being carried out parallel to the pipeline within or just alongside the easement a post and wire fence must be erected as a protective barrier between the works and the pipeline.

6.2 In Proximity to a Pipeline in the Highway

Removal of the bituminous or concrete highway surface layer by mechanical means is permitted to depth of 300 mm, although the use of chain trenchers to do this shall not be permitted within 3 metres of the pipeline. The Wales & West Utilities responsible person may want to monitor this work.

Where the bituminous or concrete highway surface layer extends below 0.3 metres deep it should only be removed by handheld power assisted tools under the supervision of the Wales & West Utilities responsible person. In exceptional circumstances, and following a risk assessment, these conditions may be relaxed by the Wales & West Utilities responsible person.

Third parties should not excavate, unsupervised, with a powered mechanical excavator closer than 3 metres to the located Wales & West Utilities pipeline or with hand held power tools closer than 1.5 metres. Any fitting or attachment must be exposed by hand.

In special circumstances consideration may be given to a relaxation of these rules by agreement with the Wales & West Utilities responsible person on site and only whilst he remains on site only whilst he remains on site and only whilst he remains on site to supervise this work..

The use of 'No dig' techniques is covered in Section 8.1.

Any new service running parallel to the pipeline should be laid no closer than 600 mm to the pipeline (see Section 6.4).

6.3 Crossing Over a Pipeline

Where a new service is to cross over the pipeline a clearance distance of 600 mm between the crown of the pipeline and underside of the service must be maintained. If this cannot be achieved the service must cross below the pipeline with a clearance distance of 600 mm.

In special circumstances this distance may be reduced at the discretion of the Wales & West Utilities responsible person on site.

6.4 Crossing Below a Pipeline

Where a service is to cross below the pipeline a clearance distance of 600 mm between the crown of the service and underside of the pipeline should be maintained.

The exposed pipeline must be suitably supported. The Wales & West Utilities responsible person must be consulted and a stress analysis may be required in order to establish support requirements. The stress analysis should be carried out by individuals with demonstrated expertise in this area, Wales & West Utilities can be consulted for advice on suitable specialists. Wales & West Utilities may request a copy of the stress analysis to confirm its adequacy.

Specific additional constraints apply to Wales & West Utilities pipelines that fall under the requirements of T/PR/P/18.

All supports must be removed prior to backfilling.

The exposed pipelines must be protected by matting and suitable timber cladding.

6.5 Cathodic Protection

Cathodic Protection is applied to all of Wales & West Utilities above 2 bar gauge buried steel pipelines and is a method of protecting pipelines with damaged coatings from corrosion by maintaining an electrical potential difference between the pipeline and anodes placed at strategic points along the pipeline.

Where a new service is to be laid and similarly protected, Wales & West Utilities will undertake interference tests to determine whether the new service is interfering with the cathodic protection of the Wales & West Utilities pipeline.

Should any cathodic protection posts or associated apparatus need moving to facilitate third party works reasonable notice, typically 7 days, should be given to Wales & West Utilities. Wales & West Utilities will undertake this work and any associated costs will be borne by the third party.

7. CONSTRUCTION TRAFFIC

Where existing roads cannot be used construction traffic should ONLY cross the pipeline at previously agreed locations. All crossing points will be fenced on both sides with a post and wire fence and with the fence returned along the easement for a distance of 6 metres. The pipeline shall be protected at the crossing points by temporary rafts of either sleeper or reinforced concrete construction, constructed at ground level. The Wales & West Utilities responsible person will review ground conditions, vehicle types and crossing frequencies to determine the type and construction of the raft required.

Notices directing traffic to the crossing points should be erected.

8. SPECIFIC ACTIVITIES

This section details the precautions that need to be taken when carrying out certain prescribed activities in the vicinity of the pipeline. Consult Wales & West Utilities if you are intending to undertake one of the listed prescribed activities and/or you require further advice on whether the work that you are intending to undertake has the potential to affect the pipeline.

8.1 No-Dig Techniques

Where the contractor intends using no dig techniques then a formal method statement must be produced for all work that would encroach (either above or below ground) within the pipeline easement. This method statement must be formally agreed with Wales & West Utilities prior to the commencement of the work. Wales & West Utilities may wish to be present when the work is being carried out and must therefore be given adequate advance notice before the commencement of the work.

8.2 Increase in Cover

A pipeline integrity assessment must be provided for situations involving a final cover depth exceeding 2.5 metres. This assessment should take due account of both soil 'dead' loading and ground settlement due to earthworks. Embankment design and construction over pipelines must give consideration to prevention of any instability. Expert advice may need to be sought which can be arranged through Wales & West Utilities.

8.3 Piling

No piling will be allowed within 15 metres of a pipeline without an assessment of the vibration levels at the pipeline. The peak particle velocity at the pipeline should be limited to a maximum level of 75 mm/sec. In any event the ground vibration shall be monitored by the contractor and the results available to the Wales & West Utilities Responsible person at their request. A typical monitoring device would be the Vibrock V801 seismograph and tri-axial geophone sensor.

Where ground conditions are of submerged granular deposits of silt and sand, an assessment of the effect of vibration on settlement and liquefaction at the pipeline shall be made.

Expert advice may need to be sought which can be arranged through Wales & West Utilities.

8.4 Demolition

No demolition should be allowed within 150 metres of a pipeline without an assessment of the vibration levels at the pipeline. The peak particle velocity at the pipeline must be limited to a maximum level of 75 mm/sec. In any event the ground vibration shall be monitored by the contractor and the results available to the Wales & West Utilities Responsible person at their request.

Where ground conditions are submerged granular deposits of silt or sand, an assessment of the effect of vibration on settlement and liquefaction at the pipeline shall be made.

Expert advice may need to be sought which can be arranged through Wales & West Utilities.

8.5 Blasting

No blasting should be allowed within 250 metres of a pipeline without an assessment of the vibration levels at the pipeline. The peak particle velocity at the pipeline must be limited to a maximum level of 75 mm/sec. In any event the ground vibration must be monitored by the contractor and the results available to the Wales & West Utilities Responsible person at their request.

Where ground conditions are of submerged granular deposits of silt or sand, an assessment of the effect of vibration on settlement and liquefaction at the pipeline shall be made.

Expert advice may need to be sought which can be arranged through Wales & West Utilities.

8.6 Surface Mineral Extraction

An assessment must be carried out on the effect of surface mineral extraction activity within 100 metres of a pipeline. Consideration should also be given to extraction around groundbeds and other pipeline associated plant and equipment.

Where the mineral extraction extends up to the pipeline easement, a stable slope angle and stand-off distance between the pipeline and slope crest must be determined by Wales & West Utilities. The easement strip should be clearly marked by a suitable permanent boundary such as a post and wire fence, and where appropriate, slope indicator markers shall be erected to facilitate the verification of the recommended slope angle as the slope is formed, by the contractor. The pipeline easement and slope needs to be inspected periodically to identify any signs of developing instability. This may include any change of slope profile including bulging, the development of tension cracks on the slope or easement, or any changes in drainage around the slope. The results of each inspection should be recorded.

Where surface mineral extraction activities are planned within 100 metres of the pipeline but do not extend up to the pipeline easement boundary, an assessment, by Wales & West Utilities must be made on whether the planned activity could promote instability in the vicinity of the pipeline. This may occur where the pipeline is routed across a natural slope or the excavation is deep. A significant cause of this problem is where the groundwater profile is affected by changes in drainage or the development of lagoons.

Where the extraction technique involves explosives the provisions of section 8.5 apply.

8.7 Deep Mining

Pipelines routed within 1 km of active deep mining may be affected by subsidence resulting from mineral extraction. The determination of protective or remedial measures will normally require expert assistance, which can be arranged through Wales & West Utilities.

8.8 Landfilling

The creation of slopes outside of the pipeline easements may promote instability within the vicinity of the pipeline. An assessment should therefore be carried out, by Wales & West Utilities, on the effect of any landfilling activity within 100 metres of a pipeline. The assessment is particularly important if landfilling operations are taking place on a slope in which the pipeline is routed.

8.9 Pressure Testing

Hydraulic pressure testing will not be permitted within 8 metres of the pipeline unless suitable precautions have been taken against the effects of a burst. These precautions should include limiting of the design factor to 0.3 for the third party pipeline for a distance of 6 metres either side of the Wales & West Utilities pipeline, and the use of mill tested pipe or sleeving.

8.10 Seismic Surveys

Wales & West Utilities must be advised of any seismic surveying work in the vicinity of pipeline that will result in Wales & West Utilities' pipeline being subjected to peak particle velocities in excess of 50 mm/sec. In any event the ground vibration near to the pipeline shall also be monitored by the contractor whilst the survey work is being carried out.

Where the peak particle velocity is predicted to exceed 50 mm/sec, the ground vibration should be monitored by the contractor and the results available to the Wales & West Utilities Responsible person at their request.

8.11 Hot Work

The Wales & West Utilities responsible person on site should supervise all welding, burning or other 'hot work' that takes place within the easement.

8.12 Wind Turbines

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

9. BACKFILLING

Third parties must provide Wales & West Utilities with 7 days' notice, or shorter notice only if agreed with Wales & West Utilities, of the intent to backfill over, under or alongside the pipeline. This requirement should also apply to any backfilling operations alongside the pipeline within 3 metres of the pipeline. Any damage to the pipeline or coating must be reported to the Wales & West Utilities responsible person in order that damage can be assessed and repairs can be carried out.

Minor damage to pipe coating and damage to test leads will normally be repaired by Wales & West Utilities free of charge.

No backfilling should be undertaken without Wales & West Utilities agreement to proceed. When backfilling, the pipeline should be surrounded by at least 300mm of soft fill (i.e. stone dust) containing no stones, bricks, lumps of concrete, etc. The Wales & West Utilities responsible person will stipulate the necessary consolidation requirements.

If the pipeline has been backfilled without the knowledge of the Wales & West Utilities responsible person then he will require the material to be re-excavated in order to enable the condition of the pipeline coating to be confirmed.

10. ACTION IN THE CASE OF DAMAGE TO THE PIPELINE

If the Wales & West Utilities pipeline is damaged, even slightly, and even if no gas leak has occurred then the following precautions must be taken immediately:-

- ◆ Shut down all plant and machinery and extinguish any potential sources of ignition.
- ◆ Evacuate all personnel from the vicinity of the pipeline.
- ◆ Notify Wales & West Utilities using the free 24 hour emergency telephone number **0800 111 999**^{*1}
- ◆ Notify the Wales & West Utilities responsible person or his office immediately using the contact telephone number provided.
- ◆ Ensure no one approaches the pipeline.
- ◆ Do not try to stop any leak.

¹ * All calls are recorded and may be monitored

11. REFERENCES

NRSWA	New Roads & Street Works Act
HS(G)47	Avoiding Danger from Underground Services
IGE/SR/18	Safe Working Practices to Ensure the Integrity of Gas Pipelines and Associated Installations
T/PR/P/18	Working on Pipelines Containing Defective Girth Welds or Girth Welds of Unknown Quality
CIS08	Safety in Excavations (HSE document)

12. GLOSSARY OF TERMS

Contractor:	the person, firm or company with whom Wales & West Utilities enters into a contract to which this specification applies, including the Contractor's personal representatives, successors and permitted assigns.
Easement:	Easements are negotiated legal entitlements between Wales & West Utilities and landowner and allow Wales & West Utilities to lay, operate and maintain pipelines within the easement strip. Easement strips may vary in width typically between 6 and 25 metres depending on the diameter and pressure of the pipeline. Consult Wales & West Utilities for details of the extent of the easement strip where work is intended.
Liquefaction:	Liquefaction is a phenomenon in which the strength and stiffness of the soil is reduced by earthquake shaking or other rapid loading. Liquefaction occurs in saturated soils, that is, soils in which the space between individual particles is completely filled with water. When liquefaction occurs, the strength of the soil decreases and the ability of the soil to support pipelines or other components is reduced.
Pearson Survey:	a survey used for locating coating defects on buried pipeline services.
DCVG Survey:	Direct Current Voltage Gradient, a survey for locating and grading coating defects on buried pipeline service
Promoter of new works:	the person or persons, firm, company or authority for whom new services, structures or other works in the vicinity of existing Wales & West Utilities pipelines and associated installations operating above 7 bar gauge are being undertaken.
Wales & West Utilities responsible person:	the person or persons appointed by Wales & West Utilities with the competencies required to act as the Wales & West Utilities representative for the purpose of the managing the particular activity.
Wayleave:	general term which is considered equivalent to 'easement' in this document.

APPENDIX A

SITE DOCUMENT CONTROL FORM - SAMPLE

Emergency Telephone No. 0800 111 999*
Plant Protection Telephone No. 02920278912

SITE DOCUMENT CONTROL FORM

Activity Reference:

Activity Location:

Site Manager:
(name & telephone number)

Wales & West Utilities Contact:
(name & telephone number)

The following documents were issued to *(individual's name)*
..... **of**
(company name and address)
.....
by *(Wales & West Utilities representative)*
..... **on**
(date).....:-

Documents:-
(List of documents)

Signed : *(by the recipient)*

Date of signature :

SITE DOCUMENT CONTROL FORM

Emergency Telephone No. **0800 111 999***

Plant Protection Telephone No. 02920 278912

SITE DOCUMENT CONTROL FORM

Activity Reference:

Activity Location:

Site Manager:

(name & telephone number)

Wales & West Utilities Contact:

(name & telephone number)

The following documents were issued to (Individuals Name)

.....**of**
(company name and address)

by *(Wales and West Utilities representative)*

.....**on**
(date) :-

Documents:-

Signed :

Date of signature :

ENDNOTE

Comments

Comments and queries regarding the technical content of this document should be directed to:

Asset Management & HSE Dept
Wales & West Utilities Ltd
Wales & West House
Spoooner Close
Celtic Springs
Coedkernew
Newport
NP10 8FZ.

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[REDACTED]

From: [REDACTED]
Sent: [REDACTED]
To: [REDACTED]
Subject: RE: Stroud District Local Plan Review - 7208_1477 Wales and West Utilities
Attachments: SSW22- Site Visit- HP&IP.pdf

Good Morning,

We have previously provided our planning application response I have attached a copy of SSW22 and our guidelines for working in the vicinity are provided in there.

You will need an official building proximity distance from the HSE and our letter states that you cannot build over the pipeline or within our easement.

Kind Regards,

[REDACTED]

Wales & West Utilities Ltd | Wales & West House | Spooner Close | Coedkernew | Newport | NP10 8FZ



"Our privacy notice can be found on our website (<http://www.wvutilities.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."

From: [REDACTED]
Sent: 23 April 2020 12:08
To: [REDACTED]
Subject: Stroud District Local Plan Review - 7208_1477 Wales and West Utilities

[Caution: This email has been sent from outside Wales & West Utilities]

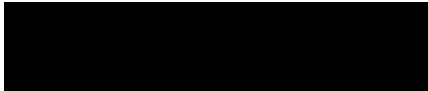
Good Afternoon

Further to consultation on Draft Plan allocation PS37 New settlement at Wisloe (Your ref: 8150105932), we have been advised by the Health and Safety Executive (HSE) to contact you regarding the proposed Draft Plan allocation G1 South of Hardwicke. Please find attached the HSE initial advice for the site.

Please also find links to the [Draft Plan document](#) (see page 108) and [site promoter material](#) for more information.

I would appreciate receiving any comments you would like to make on the proposed site allocation G1 South of Hardwicke as soon as possible.

Kind regards



Stroud District Council

Ebley Mill, Ebley Wharf
Stroud, Gloucestershire. GL5 4UB

T 01453 754143

W www.stroud.gov.uk

*Working together to make Stroud district a
better place to live, work and visit*



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