



Knowsley Council

**REGENERATION AND ECONOMIC DEVELOPMENT
DEPARTMENT**

TOWN AND COUNTRY PLANNING ACT 1990

PLANNING PERMISSION

Application No: 22/00087/FUL

Name and address of applicant

Future Investments NW Ltd
154 East Prescott Road
Knotty Ash
Liverpool
L14 5ND

Name and address of agent

The Keith Davidson Partnership Ltd
13 Seymour Terrace
Seymour Street
Liverpool
L3 5PE

Date of Receipt: 9 February 2022

Date Valid: 22 March 2022

Address/Location Of Development:

Land At
Hale View Road
Huyton
Knowsley
L36 6BT

Description of Development:

ERECTION OF 2NO DETACHED DWELLINGS

The Council of the Metropolitan Borough of Knowsley hereby give notice in pursuance of the above Act(s) that Planning Permission has been **granted** for the carrying out of the development referred to above in accordance with the application and plans submitted subject to the following condition(s):

1. The development must be begun not later than the expiration of three years beginning with the date of this permission.

Reason: In order to comply with the requirements of Section 91 of the Town and Country Planning Act 1990 (as amended).

2. The development hereby permitted shall be carried out in accordance with the approved plans and documents listed in Schedule 1.

Reason: For the avoidance of doubt.

3. Notwithstanding any description of materials in the application, no above ground construction works shall take place until samples and / or full specification of materials to be used externally on the dwellings have been submitted to and approved in writing by the Local Planning Authority. Such details shall include the

type, colour and texture of the materials The development shall be carried out only in accordance with the agreed schedule of materials.

Reason: In the interests of visual amenity and to comply with Policy CS19 of the Knowsley Local Plan Core Strategy, adopted January 2016, and the National Planning Policy Framework.

4. Notwithstanding the details shown on the approved drawings, no part of the development shall be occupied until full details of both hard and soft landscaping works have been submitted to and approved in writing by the Local Planning Authority.

The details shall relate to all land surfaces not built upon and shall include:

- a) Land-levels and gradients resulting in the formation of any banks, terraces or other earthworks
- b) hard surfaced areas and materials, including the details of the car parking spaces which shall be hard surfaced and either made from porous materials or provision made for the car parking areas to be drained to a porous area within the curtilage of the dwelling.
- c) planting plans, specifications and schedules, planting size, species and numbers/densities, trees to be retained and a scheme for the timing / phasing of work.
- d) A detailed regime for the ongoing and longer term maintenance of all soft landscaping is also required to be submitted for approval.

The approved landscaping works shall be implemented and completed prior to the occupation of the dwelling to which it relates unless otherwise agreed in writing by the Local Planning Authority.

Any trees or shrubs planted or retained in accordance with this condition which are removed, uprooted, destroyed, die or become severely damaged or become seriously diseased within 5 years of planting shall be replaced within the next planting season by trees or shrubs of similar size and species to those originally required to be planted.

Reason: To ensure that the site is satisfactorily landscaped having regard to its location and the nature of the proposed development and to comply with Policy CS19 of the Knowsley Local Plan Core Strategy, adopted January 2016, and the National Planning Policy Framework.

5. Prior to installation, details of all means of enclosure (including walls, fences, and gates) shall be submitted to and approved in writing by the Local Planning Authority. The means of enclosure indicated on the approved scheme shall be constructed in accordance with that scheme before the dwellings on the plots to which they relate are first occupied.

Reason: To ensure satisfactory privacy for occupants of the proposed dwellings, in the interests of visual amenity and to comply with Policies CS2, CS19 of the Knowsley Local Plan Core Strategy, adopted January 2016 and Saved Policy H5 of the Knowsley Replacement Unitary Development Plan, adopted June 2006.

6. Prior to the first occupation of the dwellings hereby permitted the noise mitigation measures as recommended in the Spratt+Hamer Noise Impact Report (V2) for Land at Hale View Road, Huyton, Knowsley (dated 10/11/22, ref 20276), shall be installed in full and retained at all times thereafter.

For the avoidance of doubt the measures must include, but not necessarily be limited, to the following:

- A minimum window glazing specification of 6mm glass / 12mm void / 4mm glass.
- A quality mechanical ventilation system.

The measures installed shall ensure that future residents are not subject to overheating and that the recommended internal noise levels stated in BS 8233: 2014 are achieved.

Any external plant associated with the mechanical ventilation system shall be designed so that the noise level from it is at least 5dB(A) below the existing LA90 background noise level, as measured during the relevant time period, at a position 1 metre from the closest affected window of the nearest noise sensitive property.

Reason: To safeguard future occupiers from noise and disturbance, and to comply with Saved Policy ENV2 of the Knowsley Replacement Unitary Development Plan adopted June 2006.

7. A. Risk Assessment

No development shall take place until an assessment of the risks posed by any contamination has been submitted to, and approved in writing by, the Local Planning Authority.

Prior to any further ground investigations taking place, the scope of works for these investigations must be agreed, in writing, with the local planning authority.

The assessment must also be undertaken by a suitably qualified contaminated land practitioner, in accordance with authoritative guidance (CLR 11), and shall assess any contamination on the site, whether or not it originates on the site.

Moreover, it must include (were relevant):

- (i) a survey of the extent, scale and nature of contamination;
- (ii) an assessment of the potential risks to:
 - human health,
 - property (existing or proposed) including buildings, crops, livestock, pets, woodland and
 - service lines and pipes,
 - adjoining land,
 - groundwaters and surface waters,
 - ecological systems,
 - archaeological sites and ancient monuments.

B. Submission of Remediation Scheme

Where land affected by contamination is found which poses unacceptable risks, no development shall take place until a detailed remediation scheme has been submitted to and approved in writing by the Local Planning Authority. The scheme must include an appraisal of remediation options, identification of the preferred option(s), the proposed remediation objectives and remediation criteria, and a description and programme of the works to be undertaken including the verification plan. As a minimum, the scheme must ensure that the site will not qualify as contaminated land under Part 2A of the Environmental Protection Act 1990 in relation to its intended use.

C. Implementation of Approved Remediation Scheme

The approved remediation scheme shall be implemented, and a verification report submitted to and approved in writing by the Local Planning Authority, prior to the development (or relevant phase of development) being brought into use.

D. Reporting of Unexpected Contamination

In the event that contamination is found at any time when carrying out the approved development that was not previously identified it must be reported immediately to the Local Planning Authority. Development on the part of the site affected must be halted and a risk assessment carried out and submitted to and approved in writing by the Local Planning Authority. Where unacceptable risks are found remediation and verification schemes shall be submitted to and approved in writing by the Local Planning Authority. These shall be implemented prior to the development (or relevant phase of development) being brought into use.

E. Materials Management Plan

Prior to the reuse of site won materials ('waste' and non-waste) a Materials Management Plan, signed off by a Qualified Person, shall be submitted to and agreed in writing with the local planning authority. The MMP shall demonstrate that any reuse of contaminated materials does not result in increased risk to the environment or human health.

F. Importation of Soil/Material

No soil is to be imported to the site until it has been tested for contamination and assessed for its suitability for the proposed development; a suitable methodology for testing this material should be submitted to and agreed by the Local Planning Authority prior to the soils being imported onto site. The methodology should include the sampling frequency, testing schedules, criteria against which the analytical results will be assessed (as determined by the risk assessment) and source material information. The analysis shall then be carried out and evidence submitted to and approved in writing to by the Local Planning Authority.

Reason: In the interests of safety, to prevent pollution of the water environment and to comply with Policy ENV5 of the Knowsley Replacement Unitary Development Plan, adopted June 2006

8. Prior to commencement of development a scheme for the control of noise and dust from site operations and to prevent the transfer of mud out of the site shall be submitted to, and approved in writing, by the local planning authority. All works which form part of the scheme shall be implemented while construction works are ongoing.

Reason: To ensure the satisfactory development of the site and in the interests of protecting the amenity of neighbouring occupiers and to comply with the National Planning Policy Framework; Policies CS2 and CS19 of the Knowsley Local Plan Core Strategy adopted January 2016; Policy WM9 of the Merseyside and Halton Joint Waste Local Plan 2013 and saved Policies H5 and ENV2 of the Knowsley Replacement Unitary Development Plan adopted June 2006.

9. No construction work shall take place outside the hours of 08:00-18:00 hours Monday to Friday, 08:00-13:00 hours Saturday and not at all on Sundays/Public Holidays without the prior written permission of the Local Planning Authority.

Reason: To ensure the satisfactory development of the site and in the interests of protecting the amenity of neighbouring occupiers and to comply with the National Planning Policy Framework; Policies CS2 and CS19 of the Knowsley Local Plan Core Strategy adopted January 2016; Policy WM9 of the Merseyside and Halton Joint Waste Local Plan 2013 and saved Policies H5 and ENV2 of the Knowsley Replacement Unitary Development Plan adopted June 2006.

10. Prior to the commencement of development hereby permitted details of the means of ensuring the water main that is laid within the site boundary is protected from damage as a result of the development shall be submitted to and approved in writing by the Local Planning Authority. The details shall outline the potential impacts on the water main from construction activities and the impacts post completion of the development on the water main infrastructure that crosses the site and identifies mitigation measures to protect and prevent any damage to the water main both during construction and post completion of the development. Any mitigation measures shall be implemented in full in accordance with the approved details.

Reason: In the interest of public health and to ensure protection of the public water supply and to ensure compliance with Policy CS24 of the Knowsley Local Plan Core Strategy adopted January 2016

11. Prior to the commencement of development, details of a sustainable surface water drainage scheme and a foul water drainage scheme shall be submitted to and approved in writing by the Local Planning Authority. The drainage schemes must include:
 - i. An investigation of the hierarchy of drainage options in the National Planning Practice Guidance (or any subsequent amendment thereof). This investigation shall include evidence of an assessment of ground conditions and the potential for infiltration of surface water in accordance with BRE365;
 - ii. A restricted rate of discharge of surface water agreed with the local planning authority (if it is agreed that infiltration is discounted by the investigations);
 - iii. Levels of the proposed drainage systems including proposed ground and finished floor levels in AOD;
 - iv. Incorporate mitigation measures to manage the risk of sewer surcharge where applicable; and
 - v. Foul and surface water shall drain on separate systems.The approved schemes shall also be in accordance with the Non-Statutory Technical Standards for Sustainable Drainage Systems (March 2015) or any subsequent replacement national standards.

Prior to occupation of the proposed development, the drainage schemes shall be completed in accordance with the approved details and retained thereafter for the lifetime of the development.

Reason: To promote sustainable development, secure proper drainage and to manage the risk of flooding and pollution and to ensure compliance with Policy CS24 of the Knowsley Local Plan Core Strategy adopted January 2016.

12. Notwithstanding the details submitted no part of the development hereby permitted shall be occupied until a scheme for the provision of cycle storage, in accordance with the Council's current standards, has been submitted to and approved in writing by the Local Planning Authority. For the avoidance of doubt, the cycle parking must be covered and offer a means to secure the cycles.

The approved scheme shall be implemented before any part of the development is brought into use and shall be retained as such thereafter.

Reason: To ensure that adequate provision is made for parking cycles and motorcycles on the site and to comply with Policy CS7 of the Core Strategy, adopted January 2016.

13. The dwellings hereby permitted shall not be occupied until they have been provided with an outdoor, weatherproof electric vehicle charging point readily accessible from a dedicated parking space.

All changepoints shall be:

- a. A minimum of 7KW, and
- b. at Least Mode 3 or equivalent, and
- c. untethered, and
- d. located in order to comply with the Equality Act 2010 and the accessibility requirements set out in the Building Regulations Part M.

All EV charging points shall be clearly marked as such and their purpose explained to new occupants within their new home welcome park/travel planning advice.

Reason: In the interests of air quality, promoting sustainable travel opportunities and to comply with Policies CS2, CS7 and CS19 of the Knowsley Local Plan Core Strategy, adopted January 2016 and NPPF Para 110.

SCHEDULE 1

Date Received	Ref. No	Version	Drawing/Document Title
14/11/2022	20276	V2	AMENDED NOISE ASSESSMENT
17/08/2022	101	REV C	AMENDED ELEVATIONS PLOT 1
17/08/2022	102	REV C	AMENDED ELEVATIONS PLOT 2
28/07/2022	100	REV B	AMENDED EXISTING AND PROPOSED SITE PLANS & SITE LOCATION PLAN

REASON(S) FOR THE GRANTING OF PLANNING PERMISSION

The decision to grant planning permission has also been taken having regard to the policies and proposals as set out below, and to all relevant material considerations including supplementary planning guidance:-

CS24 - Managing Flood Risk

ENV5 - Contaminated Land

CS2 - Development Principles

CS7 - Transport Networks

CS19 - Design Quality and Accessibility in New Development

KNOWSLEY LOCAL PLAN: CORE STRATEGY

SAVED POLICIES - KNOWSLEY REPLACEMENT UNITARY DEVELOPMENT PLAN (ADOPTED JUNE 2006)

DQ4 - Trees and Development

ENV2 - Noise and Vibration

National Planning Policy Framework

This informative is only intended as a summary of the reason(s) for the granting of planning permission. Should you require any further details relating to the decision please contact the relevant case officer (Mark Quinn on 0151 443 2381)

ARTICLE 35 STATEMENT

The Local Planning Authority has acted positively and proactively in determining this application by identifying matters of concern within the application (as originally submitted) and negotiating with the applicant, acceptable amendments to the proposal to address those concerns. As a result, the Local Planning Authority has been able to grant planning permission for an acceptable proposal, in accordance with the presumption in favour of sustainable development, as set out within the National Planning Policy Framework.

NOTE FOR APPLICANT:

IMPORTANT - PLEASE READ CAREFULLY THE NOTES BELOW AS FAILURE TO COMPLY COULD MAKE THE DEVELOPMENT HEREBY PERMITTED UNAUTHORISED

- 1) This planning permission is granted in strict accordance with the approved plans. It should be noted however that:
 - a) Any variation from the approved plans following commencement of the development, irrespective of the degree of variation, will constitute unauthorised development and may be liable to enforcement action.
 - b) You or your agent or any other person responsible for implementing this permission should inform Planning Services immediately of any proposed variation from the approved plans and ask to be advised as to the best method to resolve the matter. Most proposals for variation to the approved plans will require the submission of a new planning application.
- 2) This permission is granted subject to conditions and it is the owner of the property and the person responsible for the implementation of the development who will be fully responsible for their compliance throughout the development and beyond.
- 3) If there is a condition that requires work to be carried out or details to be approved prior to the commencement of the development this is called a "condition precedent". The following should be noted with regards to conditions precedent.
 - a) If a condition precedent is not complied with prior to the start of development, the whole of the development will be unauthorised and you may be liable to enforcement action.
 - b) In addition, if the requirements of a condition precedent are subsequently not complied with, the development is unauthorised and the only way to rectify the development is the submission of a new application.

If any other type of condition is breached, then you will be liable to a breach of condition notice.

Informative

- 1) It is an offence to carry out any works within the public highway without the permission of the Highway Authority. The grant of planning permission will require the developer to enter into an agreement under S278 of the Highways Act 1980 with the Council. The applicant is advised to contact the site development team, email: SiteDevelopment@knowsley.gov.uk to discuss the matter further. The highway fees applicable for a S278 highway agreement are available on the Knowsley Council website here: <https://www.knowsley.gov.uk/residents/roads/highway-fees-and-charges>.

The applicant is reminded that it is an offence to allow material carried from the site to be deposited on or cause damage to the public highway as a result of dirty wheels or badly loaded vehicles. Should this occur, the Council as Local Highway Authority will seek to recover any expenses incurred in clearing, cleaning or repairing highway surfaces and will prosecute offenders under Sections 131, 148 and 149 of the Highways Act 1980.

- 2) See attached correspondence from United Utilities.
- 3) See attached correspondence from Merseyside Fire Authority



Executive Director - Regeneration and Economic Development

Date: 8 December 2022

IMPORTANT NOTES FOR YOUR ATTENTION:

- 1. This permission refers only to that required under the Town and Country Planning Acts and does not include any consent or approval under any other enactment, bylaw, order or regulation.**
- 2. This permission refers only to those plans submitted as part of the Planning Application a copy of which is retained by the Local Planning Authority. The Local Planning Authority should be contacted in writing if it is proposed to amend these plans in any way as a further permission, may be required.**
- 3. You should ensure that you understand the requirements of all planning conditions and that you fully comply with their requirements. If you are in any doubt about what a condition requires of you, please ask us for assistance. Planning conditions may require you to submit further information to us and await our approval before you can start your development. A failure to do so could result in your development being unlawful and necessitate the submission of a further planning application. A failure to comply with the conditions of the permission/consent may result in the taking of enforcement and potentially legal action, against you to remedy the breach of planning control.**
- 4. A fee is normally payable to discharge planning conditions in accordance with government regulations.**
- 5. This permission does not convey any rights or approval to build on, or develop, any land that is not fully owned or controlled by you, including on party boundaries. You should satisfy yourself that the agreement of any adjoining landowners has been given prior to commencing any building works.**
- 6. If a Building Regulations Consent is required for these works it is your responsibility to ensure that the plans submitted for both the Building Regulations Consent and Planning Permission are the same in all respects. Should the plans relating to one consent vary from the other, it will be necessary for you to submit amended plans to this Department and obtain the relevant approval(s) prior to commencing any works. Knowsley Council's Building Control team are contactable on (0151)-443 2342 and they would be pleased to assist you.**

Appeals to the Secretary of State

- If you are aggrieved by the decision of your local planning authority to refuse permission for the proposed development or to grant it subject to conditions, then you can appeal to the Secretary of State under section 78 of the Town and Country Planning Act 1990.
- As this is a decision for a minor commercial application, if you want to appeal against your local planning authority's decision then you must do so within 12 weeks of the date of this notice.
- Appeals can be made online at: <https://www.gov.uk/planning-inspectorate>.
If you are unable to access the online appeal form, please contact the Planning Inspectorate to obtain a paper copy of the appeal form on tel: 0303 444 5000.
- The Secretary of State can allow a longer period for giving notice of an appeal but will not normally be prepared to use this power unless there are special circumstances which excuse the delay in giving notice of appeal.
- The Secretary of State need not consider an appeal if it seems to the Secretary of State that the local planning authority could not have granted planning permission for the proposed development or could not have granted it without the conditions they imposed, having regard to the statutory requirements, to the provisions of any development order and to any directions given under a development order.

Knowsley Council
By email

Your ref: 22/00087/FUL
Our ref: DC/22/1225
Date: 09-MAY-22

Dear Planning Team

Location: Land at Hale View Road Huyton Knowsley L36 6BT
Proposal: ERECTION OF 2NO DETACHED DWELLINGS

United Utilities wish to make the following comments regarding the proposal detailed above.

According to our records there is an existing water main that falls within the site boundary. On initial review of the submitted layout plans, it appears that the houses may be built on top of this asset which is not acceptable to United Utilities. We therefore must **OBJECT** to this scheme until this matter is resolved. The precise location of this asset should be confirmed and plans submitted as part of the application evidencing the impact the buildings have on the infrastructure and associated easement strip.

The applicant should contact **Sara Livesey** in **Water Developer Services** (DeveloperServicesWater@uuplc.co.uk) at their earliest convenience.

Should the Council deem it appropriate to grant planning permission irrespective of our objection, the following condition must be attached to the application and the applicant made aware that the scheme may not be implementable or alternatively, they will incur associated diversion costs:

Condition

No construction shall commence until details of the means of ensuring the water main that is laid within the site boundary is protected from damage as a result of the development have been submitted to and approved by the Local Planning Authority in writing. The details shall outline the potential impacts on the water main from construction activities and the impacts post completion of the development on the water main infrastructure that crosses the site and identify mitigation measures to protect and prevent any damage to the water main both during construction and post completion of the development. Any mitigation measures shall be implemented in full in accordance with the approved details.

Reason: In the interest of public health and to ensure protection of the public water supply.

Further information can also be found within the section titled '**UNITED UTILITIES PROPERTY, ASSETS AND INFRASTRUCTURE**' below.

DRAINAGE

We request the following drainage condition is attached to any subsequent approval:

Prior to the commencement of development, details of a sustainable surface water drainage scheme and a foul water drainage scheme shall be submitted to and approved in writing by the Local Planning Authority. The drainage schemes must include:

- (i) An investigation of the hierarchy of drainage options in the National Planning Practice Guidance (or any subsequent amendment thereof). This investigation shall include evidence of an assessment of ground conditions and the potential for infiltration of surface water in accordance with BRE365;***
- (ii) A restricted rate of discharge of surface water agreed with the local planning authority (if it is agreed that infiltration is discounted by the investigations);***
- (iii) Levels of the proposed drainage systems including proposed ground and finished floor levels in AOD;***
- (iv) Incorporate mitigation measures to manage the risk of sewer surcharge where applicable; and***
- (v) Foul and surface water shall drain on separate systems.***

The approved schemes shall also be in accordance with the Non-Statutory Technical Standards for Sustainable Drainage Systems (March 2015) or any subsequent replacement national standards.

Prior to occupation of the proposed development, the drainage schemes shall be completed in accordance with the approved details and retained thereafter for the lifetime of the development.

Reason: To promote sustainable development, secure proper drainage and to manage the risk of flooding and pollution.

The applicant can discuss any of the above with Developer Engineer, **Graham Perry**, by email at wastewaterdeveloperservices@uuplc.co.uk.

Please note, United Utilities is not responsible for advising on rates of discharge to the local watercourse system. This is a matter for discussion with the Lead Local Flood Authority and / or the Environment Agency (if the watercourse is classified as main river).

If the applicant intends to offer wastewater assets forward for adoption by United Utilities, their proposed detailed design will be subject to a technical appraisal by our Developer Services team and must meet the requirements outlined in 'Sewers for Adoption and United Utilities' Asset

Standards'. This is important as drainage design can be a key determining factor of site levels and layout.

Acceptance of a drainage strategy does not infer that a detailed drainage design will meet the requirements for a successful adoption application. We strongly recommend that no construction commences until the detailed drainage design, has been assessed and accepted in writing by United Utilities. Any work carried out prior to the technical assessment being approved is done entirely at the developer's own risk and could be subject to change.

Management and Maintenance of Sustainable Drainage Systems

Without effective management and maintenance, sustainable drainage systems can fail or become ineffective. As a provider of wastewater services, we believe we have a duty to advise the Local Planning Authority of this potential risk to ensure the longevity of the surface water drainage system and the service it provides to people. We also wish to minimise the risk of a sustainable drainage system having a detrimental impact on the public sewer network should the two systems interact. We therefore recommend the Local Planning Authority include a condition in their Decision Notice regarding a management and maintenance regime for any sustainable drainage system that is included as part of the proposed development. You may find the condition below a useful example.

Prior to occupation of the development a sustainable drainage management and maintenance plan for the lifetime of the development shall be submitted to the local planning authority and agreed in writing. The sustainable drainage management and maintenance plan shall include as a minimum:

- a. Arrangements for adoption by an appropriate public body or statutory undertaker, or, management and maintenance by a resident's management company; and*
- b. Arrangements for inspection and ongoing maintenance of all elements of the sustainable drainage system to secure the operation of the surface water drainage scheme throughout its lifetime.*

The development shall subsequently be completed, maintained and managed in accordance with the approved plan.

Reason: To ensure that management arrangements are in place for the sustainable drainage system in order to manage the risk of flooding and pollution during the lifetime of the development.

Please note United Utilities cannot provide comment on the management and maintenance of an asset that is owned by a third party management and maintenance company. We would not be involved in the discharge of the management and maintenance condition in these circumstances.

WATER AND WASTEWATER SERVICES

If the applicant intends to receive water and/or wastewater services from United Utilities, they should visit our website or contact the Developer Services team for advice. This includes seeking confirmation of the required metering arrangements for the proposed development.

If the proposed development site benefits from existing water and wastewater connections, the applicant should not assume that the arrangements will be suitable for the new proposal.

In some circumstances we may require a compulsory meter is fitted. For detailed guidance on whether the development will require a compulsory meter please visit <https://www.unitedutilities.com/my-account/your-bill/our-household-charges-20212022/> and go to section 7.7 for compulsory metering.

If reinforcement of the water network is required to meet potential demand, this could be a significant project and the design and construction period should be accounted for. To avoid any unnecessary costs and delays being incurred by the applicant or any subsequent developer, we strongly recommend the applicant seeks advice regarding water and wastewater services, and metering arrangements, at the earliest opportunity. Please see 'Contacts' section below.

UNITED UTILITIES PROPERTY, ASSETS AND INFRASTRUCTURE

United Utilities will not allow building over or in close proximity to a water main and may not allow building over or in close proximity to a public sewer.

A water main crosses the site. It must not be built over, or our access to the pipeline compromised in any way. The Water Industry Act 1991 affords United Utilities specific rights in relation to maintenance, repair, access and protection of our water infrastructure. We require an access strip as detailed in our 'Standard Conditions for Works Adjacent to Pipelines', a copy of which accompanies this letter. The applicant must comply with this document to ensure pipelines are adequately protected both during and after the construction period. It also includes advice regarding landscaping in the vicinity of pipelines.

A public sewer crosses the site and we will not permit building over it. We require an access strip for maintenance or replacement. The minimum distances that might be acceptable to United Utilities are detailed within Part H of the Building Regulations however, we recommend the applicant determines the precise location, size, depth and condition of the pipeline as this is likely to influence the required stand-off distance from any structure.

It is the applicant's responsibility to demonstrate the exact relationship between any United Utilities' assets and the proposed development. Developer's should investigate the existence and the precise location of water and wastewater pipelines as soon as possible as this could significantly impact the preferred site layout and/or diversion of the asset(s) may be required. Where United Utilities' assets cross the proposed red line boundary, developers must contact our Developer Services team prior to commencing any works on site, including trial holes, groundworks or demolition.

Unless there is specific provision within the title of the property or an associated easement, any necessary disconnection or diversion of assets to accommodate development, will be at the

applicant/developer's expense. In some circumstances, usually related to the size and nature of the assets impacted by proposals, developers may discover the cost of diversion is prohibitive in the context of their development scheme.

Where United Utilities' assets exist, the level of cover to United Utilities pipelines and apparatus must not be compromised either during or after construction and there should be no additional load bearing capacity on pipelines without prior agreement from United Utilities. This would include earth movement and the transport and position of construction equipment and vehicles.

Consideration should also be applied to United Utilities assets which may be located outside the applicant's red line boundary. Any construction activities in the vicinity of our assets must comply with our 'Standard Conditions for Works Adjacent to Pipelines' or national building standards.

The applicant or developer should contact our Developer Services team for advice if their proposal is in the vicinity of water or wastewater pipelines and apparatus. It is their responsibility to ensure that United Utilities' required access is provided within their layout and that our infrastructure is appropriately protected. The developer would be liable for the cost of any damage to United Utilities' assets resulting from their activity. See 'Contacts' section below.

CONTACTS

Website

For detailed guidance on water and wastewater services, including application forms and the opportunity to talk to the Developer Services team using the '**Live Chat**' function, please visit:

<http://www.unitedutilities.com/builders-developers.aspx>

Email

For advice on water and wastewater services or to discuss proposals near to pipelines, email the Developer Services team as follows:

Water mains and water supply, including metering - DeveloperServicesWater@uuplc.co.uk

Public sewers and drainage - WastewaterDeveloperServices@uuplc.co.uk

Telephone - 0345 072 6067

Property Searches (for asset maps):

A number of providers offer a paid for mapping service including United Utilities. For more information, or to purchase a sewer and water plan from United Utilities, please visit <https://www.unitedutilities.com/property-searches/>

Water and sewer records can be viewed for free at our Warrington Head Office by calling 0370 751 0101. Appointments must be made in advance. Public sewer records can be viewed at local authority offices. Arrangements should be made directly with the local authority.

The position of the underground apparatus shown on asset maps is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown on the map.

We request that a copy of this letter is made available to the applicant.

Yours faithfully

The Planning, Landscape and Ecology Team

Standard Conditions for Works Adjacent to Pipelines

Document Ref. 90048

Issue 3 March 2015

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AMENDMENT SUMMARY

Amendment No. Date	Brief Description and Amending Action	Owner	Verifier
3.0 March 2015	Full review and update	Neil Sixsmith	Jim Tresnan
2.0 May 2014	Full review and update. Appendix 1 incorporated to provide guidance on tree roots and planting. Improvements to document around vibration monitoring and discolouration	Peter Tucker	Nick Preston
1.2 October 2007	Alterations into Distribution Manual	Richard Duckett	
1.1 August 2007	Alteration to Guideline number 12	Paul Gough	Tony Conway
1 July 2003	First issue in standard format	Phil Hayden / Ian Skilling	Peter Womersley

HISTORY OF THE DOCUMENT

The following table details the task team involved in the full review of the Standard Conditions:

Date and Issue Number	Task Team members
3.0 March 2015	Peter Tucker – UU Engineering Nick Preston – UU Engineering Jim Tresnan – UU Engineering Neil Sixsmith – UU Water Services (Network) Owen Newton - UU Engineering Mike Taylor – UU Water Services (Network)

CONTENTS

AMENDMENT SUMMARY	2
HISTORY OF THE DOCUMENT	2
CONTENTS	3
1. SCOPE	4
2. DEFINITIONS	4
3. GUIDELINES	5
3.1. General Guidelines	5
4 ISSUES AFFECTING A PIPELINE DURING CONSTRUCTION ACTIVITIES	6
4.1. Temporary Access	6
4.2. Temporary Fencing	7
4.3. Excavations within a Pipeline Easement Width.....	7
4.4. Ground Vibration	7
5 ISSUES PERMANENTLY AFFECTING A PIPELINE OR EASEMENT.....	8
5.1. Permanent Access	8
5.2. Permanent Fences and Boundaries.....	8
5.3. Installation of New Services within the Pipeline Easement	9
5.4. Cathodic Protection of Pipelines	9
5.5. Mains Adjacent to Buildings in Streets	9
5.6. New Roads, Communal Parking and Driveways	9
6 PLANTING NEAR TO PIPELINES	10
7 EASEMENT INFRINGEMENTS	11
8 STOPPING UP ORDERS	12
9 DRAWINGS	13
Figure 1: Easement Widths for Single Pipes.....	13
Figure 2: Service Crossing Restrictions in relation to Pipeline Sockets	14
APPENDIX 1: PLANTING NEAR TO PIPELINES	15

1. SCOPE

This document sets out United Utilities plc. (UU) standard conditions for work carried out over / under or adjacent to a UU Pipeline which can include multiple UU Pipelines laid adjacent to each other.

It is UU company policy not to allow any building over UU Pipelines or water mains. Any such building / structure would compromise UU's obligation to maintain a constant water supply, and in particular would obstruct UU's ability to respond in the event of a failure of the Pipeline. Building over mains also has potential risks to the health and safety of anyone who might be affected by a failure, including the occupants of the building.

2. DEFINITIONS

Term	Definition
Pipeline	Means any aqueduct, trunk main, water distribution main, multiple pipes laid adjacent to each other or non-potable main vested in UU as water undertaker.
Easement Width	Means the Easement Width specified in any document (which may include legal documents e.g. conveyance, lease, deed or grant) referred to in section 3 hereof or, where no such width is specified a width of 10 metres being measured 5 metres each side of the Pipeline from the centreline of the Pipeline(s). For small single Pipelines of up to and including 300mm diameter a width of 5 metres being measured 2.5 metres each side from the centreline of the Pipeline(s) may be adopted (see Figure 1: this shows an example of Easement Widths for Single Pipes). Contact UU for specific Easement Width limits and conditions.
Street	The whole or part of any highway, any road, lane, footway, alley or passage, square or court, whether or not a thoroughfare. A Street can therefore be a footpath, cycle track, bridleway or full vehicular highway. Where a Street passes over a bridge or through a tunnel these are included as part of the Street.
PPV	Peak Particle Velocity
Shall or Must	Mandatory requirements are adopted through the use of 'shall' or 'must' or are otherwise specifically stated. The document also contains information and guidance that is not mandatory but is provided for consideration.
Stopping up Order	An order authorising the stopping up (removal of public rights of way) of any highway, if the Secretary of State is satisfied to do so, to allow development to be carried out in accordance to a valid and relevant planning permission granted under the Town and Country Planning Act 2008 as amended or re-enacted from time to time.
Promoter	Any utility company, self-lay organisation, developer, Highway Authority, Local Authority or any other organisation wishing to work adjacent to or cross over or under a UU Pipeline.

3. GUIDELINES

3.1. General Guidelines

3.1.1. The Standard Conditions are issued for the guidance of Promoters and others to reduce the risk of damage to the Pipeline and the consequent liability for such damage. They do not replace or alter any powers or rights exercisable by, or protection afforded to UU by virtue of: -

- a) Its ownership of the Pipeline or any rights or privileges in relation thereto;
- b) Any conveyance, lease, deed or grant, easement (see Figure 1 Easement Widths), licence, wayleave or other legal document relating to the Pipeline;
- c) Any statutory provision (including any provision in subordinate legislation) including but not limited to: -
 - i. The Water Industry Act 1991 as amended or re-enacted from time to time, will also apply.
 - ii. Any local statutory provision relating to a Pipeline and to any work of any other body or person which regulate, either generally or in relation to any specific crossing or work, the relations between UU and such other body or person, including any agreement or other document referred to in or incorporated with any such statutory provision.

In the event of any inconsistency between the provisions of these Standard Conditions and those of any document or statutory provision mentioned above, the latter shall prevail unless capable of variation by agreement and the substitution of the relevant provisions of these Standard Conditions is expressly agreed.

3.1.2. The Standard Conditions apply to all Pipeline(s). In the case of Pipeline(s) located in streets, the provisions of the New Roads and Street Works Act 1991 and the Traffic Management Act 2004, as amended or re-enacted from time to time, will also apply.

3.1.3. No work of any description shall take place on or within the easement width before full agreement has been reached with UU regarding the manner in which the work shall be carried out. At least 28 days' notice shall be given of any intention to carry out works.

3.1.4. No vehicle, plant or machinery is to stand, operate or travel within the Easement Width of the Pipeline except as agreed by United Utilities.

3.1.5. UU reserves the right to supervise any work carried out on or within the Easement Width and to recover the costs incurred.

3.1.6. No buildings / structures of any description shall be erected within the easement unless with UU's written consent.

3.1.7. No service shall cross the Pipeline at less than 1 metre in front of a socket face or at less than 300mm behind it. (See Figure 2)

3.1.8. No materials including spoil shall be stored within the Easement Width.

3.1.9. Access to and along the Easement Width shall be kept clear and unrestricted at all times. If gates are installed across an Easement, then these shall not impair UU's ability to have full access to the easement at all times.

3.1.10. Sanitary arrangements approved by UU shall be provided for persons working on or within the Easement Width. Precautions shall be taken to avoid spillage of fuels, oils,

paints, solvents or any other substance, which may damage the Pipeline or its protection.

- 3.1.11. Where construction of a new structure / building is proposed within 1m of the edge of the Easement Width, its foundations shall be designed to ensure that load from the structure / building is not transferred onto the Pipeline. The design shall also ensure that UU has full access to the lowest point of the bedding of the Pipeline for maintenance or construction purposes.
- 3.1.12. No alteration to the existing ground levels or surface use of the Easement Width shall be made without prior permission from UU. Notice shall also be given of any proposal to alter ground levels or the surface of land adjoining the Easement Width. This includes increasing the ground level above the Pipeline by placing material to form a landscaping bund or road (or other) embankment, as this has the potential to cause settlement to the Pipeline that could damage it.
- 3.1.13. Persons or their Promoters working on or within the Easement Width shall be required to indemnify UU for the full cost of any damage caused to its Pipelines and for any costs, charges and expenses resulting from these operations.
- 3.1.14. In an emergency, contact shall be made immediately using the following telephone number:

The UU Response Manager is available on-

07713887302 and this number shall be used for EMERGENCIES ONLY

E.g. if the UU Pipeline is damaged / burst the UU response Manager must be contacted immediately.

Please supply the UU Response Manager with the following information:

Who you are (name and company)?

What is your contact number?

Exactly where you are (in order to quickly identify which main is damaged and potential risks to UU)?

What is the damage?

Is it causing flooding?

Is flood water entering a watercourse?

4 ISSUES AFFECTING A PIPELINE DURING CONSTRUCTION ACTIVITIES

4.1. Temporary Access

- 4.1.1. Movement of vehicles and plant with a total weight exceeding 6 tonnes across the unprotected Pipeline is forbidden. The repetitive movement of vehicles or plant of any weight over the unprotected Pipeline in the same position is forbidden. Where temporary or permanent access is required, the Promoter must consult with UU prior to gaining access.
- 4.1.2. Each proposed temporary crossing point of a Pipeline shall be considered on an individual basis. The Promoter shall submit the design of the proposed crossing point to UU for acceptance. Work to construct the temporary crossing point shall not commence without express written approval from UU.
- 4.1.3. The Promoter shall design any temporary crossing point such that the load from any vehicle or any item of construction plant that will use the crossing point creates a

suitably factored bearing pressure of not more than 8.5kN/m² at the crown of the UU Pipeline. (N.B. *This load is approximately equivalent to the loading on a Pipeline with 900mm of cover when a 6 tonne excavator crosses above it.*) In order to achieve this, the Promoter may use substantial timber baulks, reinforced concrete slabs or proprietary ground protection systems (e.g. Eve Trakway). Where it is not possible to distribute the surcharge load from the plant to less than 8.5kN/m² at the crown of the Pipeline, then the design of the temporary crossing point shall consist of a suspended crossing which bridges over the Pipeline.

- 4.1.4. Temporary crossing points shall only be used to allow vehicles and plant to traverse across a Pipeline. Temporary crossing points are not to be used as working platforms for construction plant. Plant shall not be allowed to operate above a UU Pipeline unless specific written permission is given by UU. Any request by a Promoter for them to site working plant above a UU Pipeline must demonstrate that the platform which their plant is to be sited on has been designed as a working platform and will ensure that the maximum surcharge load from that plant is distributed to less than 8.5kN/m² at the crown of the Pipeline, or bridges over the Pipeline.
- 4.1.5. All parts of a temporary crossing point must be removed when the work is complete, unless written permission is obtained from UU for the crossing to be left in place. The design and construction of the temporary crossing point shall be such that it permits for its removal (and the reinstatement of the ground beneath it) without exposing the Pipeline to undue loading, vibration or risk.

4.2. Temporary Fencing

- 4.2.1. Fencing shall be erected by the Promoter when they are working in and around the Pipeline easement to demarcate its location, to regulate vehicle movements and to confine the crossing of the Pipeline only to approved crossing points. The fencing shall be of substantial construction. It shall be adequately maintained at all times to the satisfaction of United Utilities.

4.3. Excavations within a Pipeline Easement Width

- 4.3.1. Prior to general excavation, trial holes shall be dug by hand to determine the precise location of the Pipeline. UU reserves the right to carry out such excavations. The cost of all such excavations shall be borne by the Promoter.
- 4.3.2. Excavations shall be fully supported and shall be backfilled to the satisfaction of UU. All work shall be carried out during normal working hours, which shall have been previously agreed with UU. UU reserves the right to stop all work on or within the Easement Width which, in the opinion of its officers, places the Pipeline at risk. As a consequence of such action, UU shall not accept any claims for financial loss.
- 4.3.3. All excavations within the Pipeline easement shall be carried out by hand or may be carried out by mechanical excavator if under the supervision of UU personnel. Excavation within 1 metre of the Pipeline(s) must be carried out by hand and great care must be exercised to ensure that any protective wrapping is not damaged.
- 4.3.4. If a thrust block is discovered within any excavation adjacent to a Pipeline(s), then work shall be stopped and the excavation backfilled as soon as possible.

4.4. Ground Vibration

- 4.4.1. No blasting shall be carried out within 300 metres of the Pipeline(s) without the written approval of UU, unless it can be demonstrated that ground vibration from such activities shall not exceed a peak particle velocity (PPV) of 5mm/s in any plane at the closest point of the Pipeline(s) to the blast.
- 4.4.2. Demolition, piling, tunneling or any other construction technique which induces

significant vibration (not exceeding a peak particle velocity of 5mm/s) shall be permitted up to 10 metres away from the Pipeline(s). Permission will be granted by UU provided that the Promoter has accurately established the position of the Pipeline(s) and this has been verified by UU and a written statement of the precautions to be taken to ensure the safety of the Pipeline(s) has been submitted by the Promoter and received and approved by UU prior to works being undertaken.

- 4.4.3. Should demolition, piling, tunneling or any other construction technique which induces significant vibration be proposed within 3.5 - 10 metres of the Pipeline(s) this shall be subject to seismic monitoring in order to prevent damage to the Pipeline(s). The Promoter shall accurately establish the position of the Pipeline(s). Seismograph readings shall be taken by the Promoter's specialist organisation on the line of the Pipeline at locations to be agreed with UU. Vibration monitoring shall be done under the supervision of a specialist organisation which has significant experience of similar monitoring work. The identity of the specialist organisation shall be proposed by the Promoter and approved by UU. This approval should not be unreasonably withheld or delayed. The cost of the seismic monitoring shall be borne by the Promoter. Vibration shall be measured in terms of peak particle velocity (PPV) and the Promoter shall employ suitable methods of construction in carrying out its works such that the PPV does not exceed 5mm/s. If the measured PPV does exceed 5mm/s then work shall cease immediately and a review of the monitoring data shall be undertaken between the Promoter and UU Engineering staff. If necessary UU shall notify the Promoter of any reasonable mitigation measures to protect the Pipeline(s) that it requires the Promoter to carry out. The Promoter shall comply with these reasonable mitigation measures in carrying out its works. A written statement of the precautions to be taken to ensure the safety of the Pipeline(s) shall be submitted by the Promoter and received and approved by UU prior to works being undertaken.
- 4.4.4. If UU identify that there is a risk of discolouration of the potable water supply the Promoter shall not excavate within 1m of the Pipeline(s) in any plane. Given the fact that there shall be significant excavation by hand, it may be more economical for the Promoter to consider directional drilling or another form of trenchless technique. UU would prefer this as an alternative construction technique.
- 4.4.5. Where practical, and when requested by UU due to the risk of discolouration, downstream turbidity monitoring should be undertaken for potable water Pipelines irrespective of Pipeline diameter. If UU reports to the Promoter that the turbidity levels measured in the main are very close to or exceeding the regulatory standards then work shall cease immediately and a review of the monitoring data shall be undertaken between the Promoter and UU Engineering staff. If necessary UU shall notify the Promoter of any reasonable mitigation measures to protect the Pipeline(s) that it requires the Promoter to carry out. The Promoter shall comply with these reasonable mitigation measures in carrying out its works.

5 ISSUES PERMANENTLY AFFECTING A PIPELINE OR EASEMENT

5.1. Permanent Access

- 5.1.1. Each crossing of the Pipeline shall be considered on an individual basis. Any permanent access crossing the Easement Width shall be designed and constructed by the Promoter to prevent any damage to the Pipeline. This may typically consist of mass concrete filled trenches constructed on either side of the Pipeline(s) with reinforced concrete slabs spanning between them. The Promoter shall submit the design of the proposed crossing point to UU for acceptance. Work to construct the permanent crossing point shall not commence without express written approval from UU.

5.2. Permanent Fences and Boundaries

- 5.2.1. Fences or other boundaries crossing the Easement Width shall be as near as possible perpendicular to the line of Pipeline and in no case shall be made at an angle of less than 50 degrees. Proposals for new fences or other boundary crossings shall be submitted to UU for approval. Where necessary a lockable gate shall be provided for UU for their sole use.

5.3. Installation of New Services within the Pipeline Easement

- 5.3.1. Any pipes, drains, electricity cables or sewers crossing unmade ground over or under the Pipeline shall be laid in steel conduit or ductile iron pipe ideally unjointed (or similar UU approved material) and adequately supported so as to be self-supporting over any subsequent excavation which may have to be carried out i.e. they should extend well into the undisturbed ground at each side of the Pipeline trench and shall cross as near as possible to 90 degrees to the Pipeline.
- 5.3.2. In no case shall any crossing be made at an angle of less than 50 degrees.
- 5.3.3. Provided that ground conditions are suitable, pipes crossing below the Pipeline shall be constructed by an approved tunneling method, and agreed by UU. The Promoter shall demonstrate that the predicted - and actual - ground settlement at the level of the invert of the Pipeline as a result of their pipes crossing below the Pipeline is not more than 20mm.
- 5.3.4. For UU Pipelines up to and including 300mm diameter, any pipes drains, electricity cables or sewers laid adjacent to the Pipeline must have a minimum clearance of 300mm from it. For UU potable water Pipelines over 300mm diameter (or for smaller diameter Pipelines where UU network operations have highlighted a risk of discoloration), there shall be a clearance between the pipes, drains, electricity cables or sewers and the Pipeline that is greater than or equal to the diameter of the Pipeline (ideally at least 1m clearance if possible to reduce the risk of discoloration). These clearances shall apply to crossings above or below the Pipeline, and include pipes, drains, electricity cables or sewers laid adjacent to the Pipeline.
- 5.3.5. The Promoter shall exercise suitable care when selecting and placing backfill material for any excavation dug within the Pipeline Easement to ensure that it is adequately compacted, provides sufficient support to the Pipeline and will not cause damage to the Pipeline. Reference should be made to the current version of 'Civil Engineering Specification for the Water Industry' (CESWI).

5.4. Cathodic Protection of Pipelines

- 5.4.1. Where cathodic protection is proposed for the Promoter's works, or where it exists in connection with UU's Pipeline, the Promoter shall take all necessary steps to ensure that the integrity of the system is maintained during the construction of the works. Where cathodic protection exists on UU's Pipeline, or is to be installed by the Promoter on his apparatus, interference tests shall be carried out on completion of the works at the Promoter's expense. Where such tests indicate that UU's Pipeline may be at risk, then the Promoter, at his own expense, must install suitable remedial measures, to be agreed by UU. UU must be consulted in the case of installation of electric tramways over Pipelines.

5.5 Mains Adjacent to Buildings in Streets

- 5.5.1 Water mains may be laid in a Street (see definition in Section 2) or an easement. Sometimes this is immediately adjacent to a building. In the case of an easement, new buildings and their foundations may not be built within 2.5m of an existing water main (5m for mains > 300mm). This is to facilitate repair and maintenance.

5.6. New Roads, Communal Parking and Driveways

No alteration to the surface use of the easement for the purpose of constructing a

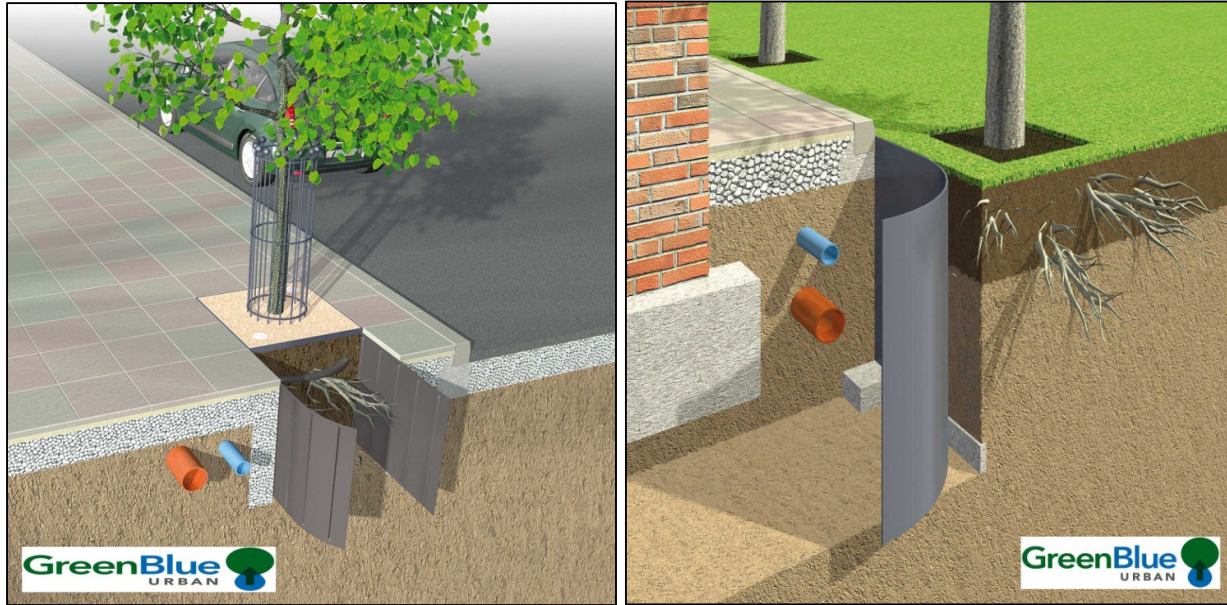
road, communal parking or private driveways (except for vehicular crossings at >50degrees) shall be made without prior written permission from UU. Any agreement will be considered on an individual basis.

6 PLANTING NEAR TO PIPELINES

- 6.1 Written approval must be obtained from UU before any tree or shrub planting is carried out. Any approval granted is subject to UU retaining the right to remove, at any time, all trees or shrubs that in its opinion becomes a danger or nuisance to the pipeline or asset.
- 6.2 Selection and planting of tree species should be in accordance with BS8545:2014 Trees: from nursery to independence in the landscape. Recommendation.
- 6.3 Planting of shallow rooted hedge plants, domestic soft fruiting bushes and ornamental shrubs shall be permitted however these shall not be permitted to develop as shrub trees and shall be maintained by the Promoter / Owner to a maximum height of 1.5m.
- 6.4 There shall be strictly no planting of Populus ssp. or Salix ssp. within 10 metres of a pipeline.
- 6.5 Restrictions apply to all easement widths see Appendix 1 for details. This includes a non-exhaustive list of trees and recommended planting distances.



- 6.6 United Utilities will consider the proviso of specific tree root barriers where there is a need to establish trees closer to Pipeline(s) than would normally be acceptable best practice. Vertical or horizontal barriers can be effective and acceptable so long as they are professionally specified and installed following manufacturer's instructions and a suitable distance from the tree trunk to ensure tree stability at maturity. See the figures below for typical examples of these methods. These barriers shall be 1 – 2mm thick semi rigid type and be fitted by either a specialist installer or by very closely following the manufacturer's guidance. Further advice about root barriers can be found in BS8545.



Images supplied by GreenBlue Urban

- 6.7 A useful publication that can assist with planting near to utilities is “*NJUG Guidelines for the Planting, Installation and Maintenance of Utility Apparatus in Proximity to Trees*”

7 EASEMENT INFRINGEMENTS

- 7.1 It is UU company policy not to allow any building over UU Pipelines or water mains. Any such building / structure would compromise UU's obligation to maintain a constant water supply, and in particular would obstruct UU's ability to respond in the event of a failure of the Pipeline. Building over mains also has potential risks to the health and safety of anyone who might be affected by a failure, including the occupants of the building.
- 7.2 UU acknowledges that there are situations where structures have been erected either directly above the Pipeline, or within the easement. These encroachments should be assessed and recorded and appropriate actions taken. The assessment shall consider the potential risks to both UU's asset and the structure upon it.
- 7.3 The options available to UU are:-
- Notify owner of risks
 - Notify owner and consider mains diversion at owners cost
 - UU may take legal action to obtain a court order to instruct removal of the structure at the owners cost.

The key factors to be considered when selecting one of these options are:-

- Security of supply
- Health and safety
- Cost benefit
- Company reputation

- e) Probability of Pipeline failure and likely consequences. These will vary with the Pipeline material, diameter, depth below foundation, ground conditions and the operating regime of the Pipeline

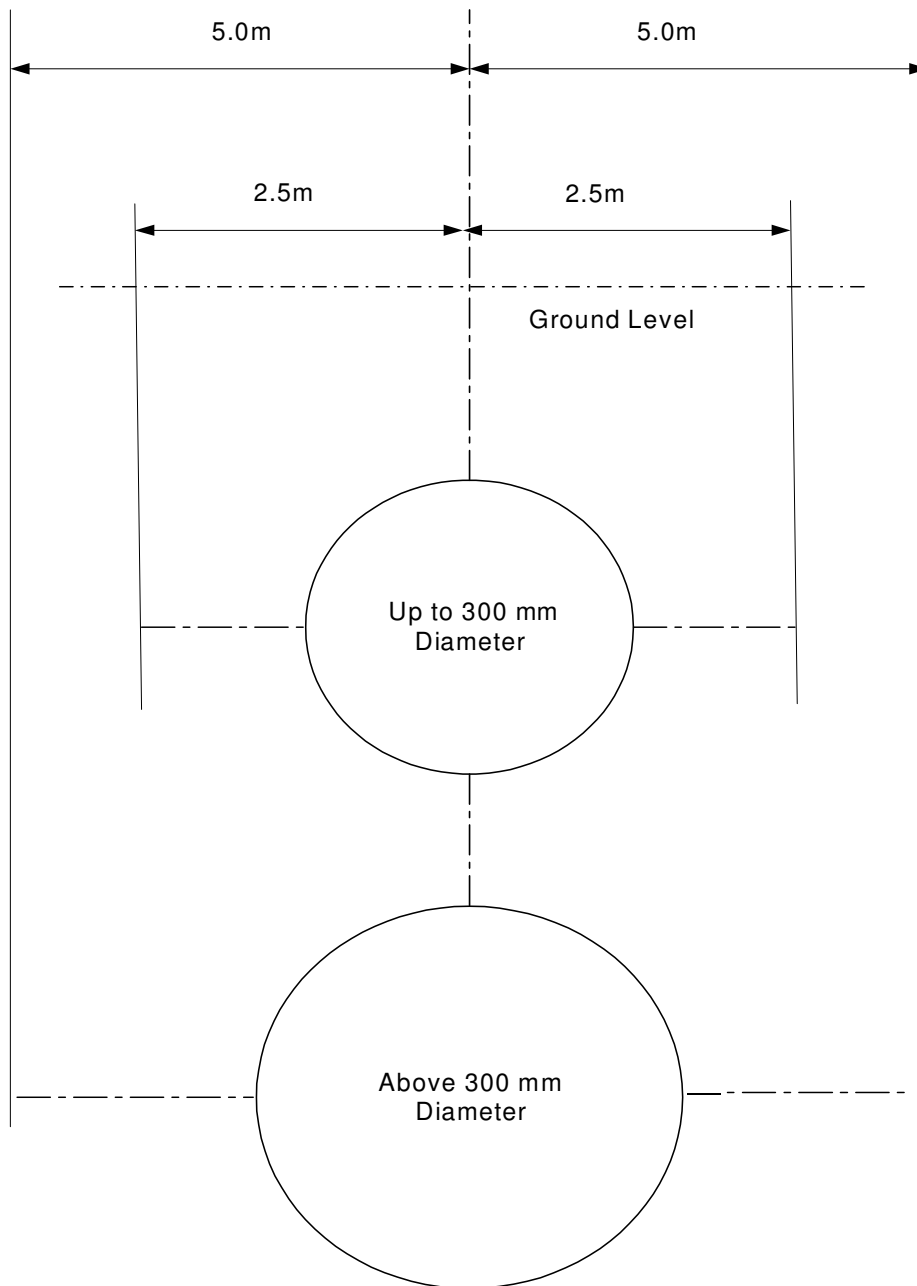
- 7.4 The notification given to the owner of the building shall state that, notwithstanding our Statutory Rights and those contained in any deed, UU shall not be liable for any costs whatsoever if damage is occasioned to the structure whilst carrying out our works.

8 STOPPING UP ORDERS

- 8.1 UU has no objection to a Stopping up Order, provided that access remains for repair and maintenance of the network within the area affected.
- 8.2 If the proposed development will impede clear access, then the water main must be abandoned or diverted at the applicants cost.
- 8.3 Typically, there would be no objection if the water main remains within a Street to which there is vehicular access sufficient for UU to perform its statutory duties. It is not necessarily a problem if the Street is within a gated enclosure, e.g. alley gates are not a problem.
- 8.4 If the main does not remain within a Street, the developer must provide an easement according to UU standard conditions. Detailed information is available from the United Utilities Website
- 8.5 The following is specifically not permitted in relation to easements.
 - a) Any alteration to ground level which leaves the water main at a depth less than 900mm (750mm for PE pipes), or more than 1200mm.
 - b) Any building over the main, or within the easement width, such that an excavation of the main would threaten the stability of the building.
 - c) Planting of large trees (detailed information available in Appendix 1). This shows the distances that various trees and shrubs can be planted away from Pipelines and water mains. Root barriers can be used when planting closer to the mains; however trees root barriers need to be deep enough to stop roots from penetrating under the barrier.

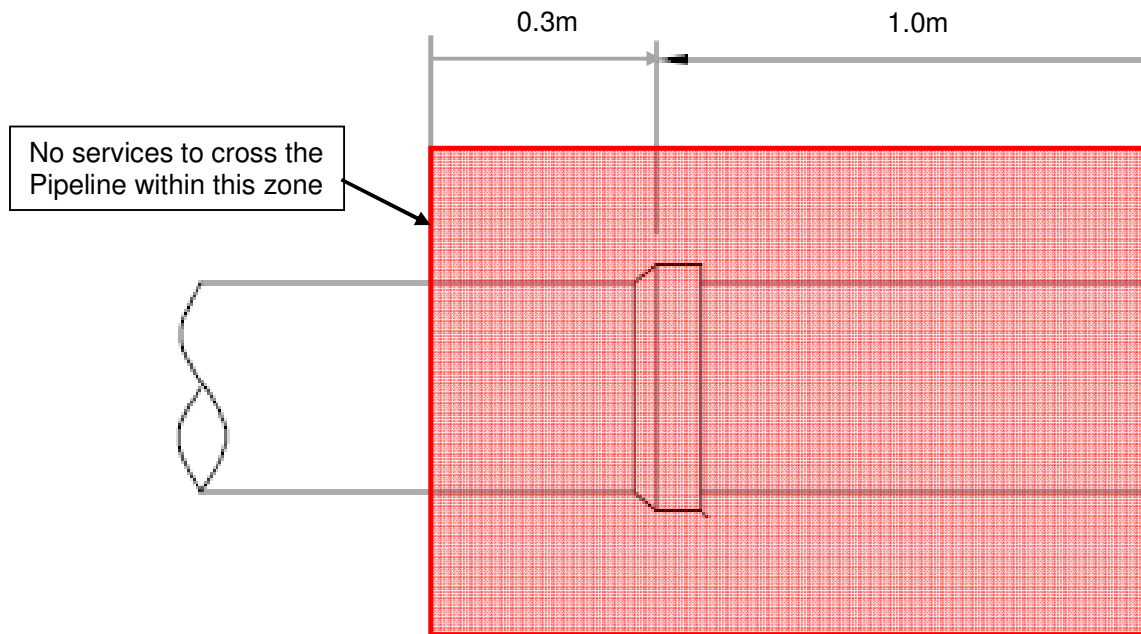
9 DRAWINGS

Figure 1: Easement Widths for Single Pipes



Note: This sketch is issued for guidance only (not to scale)

Figure 2: Service Crossing Restrictions in relation to Pipeline Sockets



APPENDIX 1: PLANTING NEAR TO PIPELINES

Latin Name	Common Name	Tree or shrub planting maintained as hedge (no higher than 1.5m height)	Individual trees planted from 3 metres of underground asset or pipe	Individual trees planted from 6 metres of underground asset or pipe	Group trees planted from 10 metres of underground asset or pipe
<i>Acer campestre</i>	Field Maple	Yes	Yes	Yes	Yes
<i>Aesculus hippocastanum</i>	Horse chestnut	✗	✗	✗	Yes
<i>Carpinus betulus</i>	Hornbeam	Yes	✗	✗	Yes
<i>Castanea sativa</i>	Sweet Chestnut	✗	✗	✗	Yes
<i>Corylus avellana</i>	Hazel	Yes	Yes	Yes	Yes
<i>Crateagus monogyna</i>	Hawthorn	Yes	Yes	Yes	Yes
<i>Fagus sylvatica</i>	Beech	Yes	✗	✗	Yes
<i>Ilex aquifolium</i>	Holly	Yes	Yes	Yes	Yes
<i>Larix decidua</i>	Larch	✗	✗	✗	Yes
<i>Ligustrum vulgare</i>	Privet	Yes	Yes	Yes	Yes
<i>Malus domestica</i>	Apple	✗	Yes	Yes	Yes
<i>Malus sylvestris</i>	Crab Apple	✗	Yes	Yes	Yes
<i>Pinus nigra</i>	Black pine	✗	✗	✗	Yes
<i>Pinus sylvestica</i>	Scots Pine	✗	✗	✗	Yes
<i>Platanus acerifolia</i>	London Plane	✗	✗	✗	Yes
<i>Prunus avium</i>	Wild Cherry	✗	Yes	Yes	Yes
<i>Prunus cerasifera</i>	Plum	✗	Yes	Yes	Yes
<i>Prunus lusitanica</i>	Laurel	Yes	Yes	Yes	Yes
<i>Prunus padus</i>	Bird Cherry	✗	Yes	Yes	Yes
<i>Prunus spinosa</i>	Blackthorn	Yes	Yes	Yes	Yes
<i>Pyrus communis</i>	Pear	✗	Yes	Yes	Yes

Latin Name	Common Name	Tree or shrub planting maintained as hedge (no higher than 1.5m height)	Individual trees planted from 3 metres of underground asset or pipe	Individual trees planted from 6 metres of underground asset or pipe	Group trees planted from 10 metres of underground asset or pipe
<i>Sambucus nigra</i>	Elder	Yes	Yes	Yes	Yes
<i>Sorbus aria</i>	Whitebeam	X	X	X	Yes
<i>Sorbus aucuparia</i>	Rowan	X	X	Yes	Yes
<i>Taxus baccata</i>	Yew	Yes	X	X	Yes
<i>Tilia cordata</i>	Lime	X	X	X	Yes
<i>Ulmus glabra</i>	Wych Elm	X	X	Yes	Yes

KMBC Planning Department
Municipal Buildings
Archway Road
Huyton
L36 9YU

dcconsultations@knowsley.gov.uk

**Merseyside Fire & Rescue Authority
Community Fire Protection**

Planning & Building Regulations Team
Service Headquarters
Bridle Road
Bootle
Merseyside
L30 4YD

Telephone: 0151 296 4000 (Calls may be recorded)

Inspecting Officer: John Hughes

Email: johnhughes@merseyfire.gov.uk

planningandbuildingregulationsteam@merseyfire.gov.uk

Fax: 0151 296 4594 Office Hours

Web Site: www.merseyfire.gov.uk

Your ref: 22/00087/FUL

Our ref: CFP/897560/JH/CS

Date: 8th April 2022

Dear Sir/Madam

THE TOWN AND COUNTRY PLANNING ACT 1990
PLANNING APPLICATION NO: 22/00087/FUL
PROPOSAL: ERECTION OF 2NO DETACHED DWELLINGS
ADDRESS: LAND AT HALE VIEW ROAD HUYTON

The Fire Authority requests that any decision notice includes the following information;

The plans relating to the above application have been examined and below are the Fire Authority's observations:

- * Access for fire appliances should comply with the requirements of Approved Document B5 of the Building Regulations.
- * Water supplies for fire fighting purposes should be risk assessed in accordance with the undermentioned guidance in liaison with the water undertakers (United Utilities - 0161 907 7351) with suitable and sufficient fire hydrants supplied.
- * **Housing**
- * Housing developments with units of detached or semidetached houses of not more than two floors should have a water supply capable of delivering a minimum of eight litres per second through any single hydrant. Multi occupied housing developments with units of more than two floors should have a water supply capable of delivering a minimum of 20 to 35 litres per second through any single hydrant on the development.
- * The premises should comply with Section 55 of the County of Merseyside Act 1980

Should you require any further information in respect of this correspondence please contact the Officer named above.

Yours faithfully,



Mr. Hughes
Authorised Fire Safety Inspecting Officer
And on behalf of Merseyside Fire & Rescue Authority

Guidelines on flow requirements for firefighting

The following flows represent the ideal requirements on new developments and during permanent system changes.

Housing

Housing developments with units of detached or semidetached houses of not more than two floors should have a water supply capable of delivering a minimum of eight litres per second through any single hydrant. Multi occupied housing developments with units of more than two floors should have a water supply capable of delivering a minimum of 20 to 35 litres per second through any single hydrant on the development.

Transportation

Lorry/coach parks - multi-storey car parks - service stations.

All of these amenities should have a water supply capable of delivering a minimum of 25 litres per second through any single hydrant on the development or within a vehicular distance of 90 metres from the complex.

Industry

The water supply infrastructure to any industrial estate should be as follows with the mains network on site being normally at least 150 mm nominal diameter—

Up to one hectare 20 litres per second.
One to two hectares 35 litres per second.
Two to three hectares 50 litres per second.
Over three hectares 75 litres per second.

Shopping, offices, recreation and tourism

Commercial developments of this type should have a water supply capable of delivering a minimum flow of 20 to 75 litres per second to the development site.

Education, health and community facilities

Village halls— Should have a water supply capable of delivering a minimum flow of 15 litres per second through any single hydrant on the development or within a vehicular distance of 100 metres from the complex.

Primary schools and single storey health centre's— Should have a water supply capable of delivering a minimum flow of 20 litres per second through any single hydrant on the development or within a vehicular distance of 70 metres from the complex.

Secondary schools, colleges, large health and community facilities— Should have a water supply capable of delivering a minimum flow of 35 litres per second through any single hydrant on the development or within a vehicular distance of 70 metres from the complex.