

Dial before you Dig Online: *A digital mapping system for gas networks*

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Dial Before You Dig Online

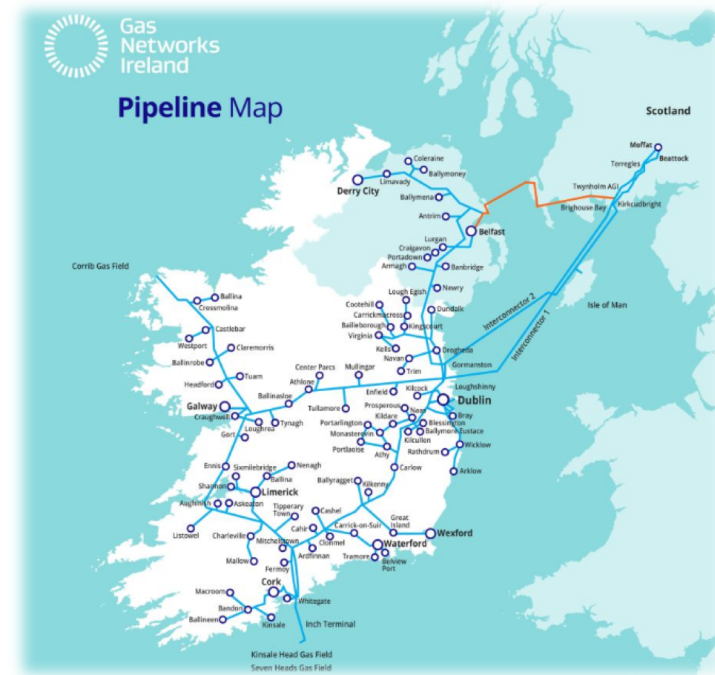


The newly launched digital service will make it easier than ever to check for underground gas pipes – helping anyone planning or undertaking groundworks to stay safe.



Ireland's Natural Gas Network

- GNI transports gas to over 700,000 customers through a network of steel and PE pipes.
- The Transmission system is made up of steel pipes and operates from 7 bar to 85 bar. (c.**2,425km**)
- The Distribution system is made up mostly of PE pipes and operates from 20 mbar to 7 bar. (c.**11,750km**)
- Annually, we will process close to 2,500 as-lays, adding approximately 12km of pipe to the geospatial record each year.



Damage to the natural gas network can cause major disruption, serious injury or worse.

550

Incidents of
damage

50

Incidents of
unauthorised
excavation

20%



DIAL BEFORE YOU DIG
1850 42 77 47

In Emergency call
1850 20 50 50



Gas
Networks
Ireland

Third Party Damage Prevention

- GNI operates a **Dial Before You Dig** service to enable those involved in excavations to obtain gas network maps prior to starting work.
- The map must be available to personnel on-site, and available for inspection.
- **If you are working in the vicinity of transmission pipelines, you must contact Gas Networks Ireland before starting work. GNI will provide an inspector to physically mark out the location of high pressure pipelines on-site.**
- Providing maps is one of key controls to prevent third party damage to the network, helping to identify and avoid hazardous gas pipes.
- 94% of frequent DBYD users are satisfied with the current service.

Internal drivers for exploring the potential for a digital mapping service

Access

The DBYD line operates during **office hours**, Monday to Friday.



Volume

Over **8,000** enquiries processed annually, and growing.



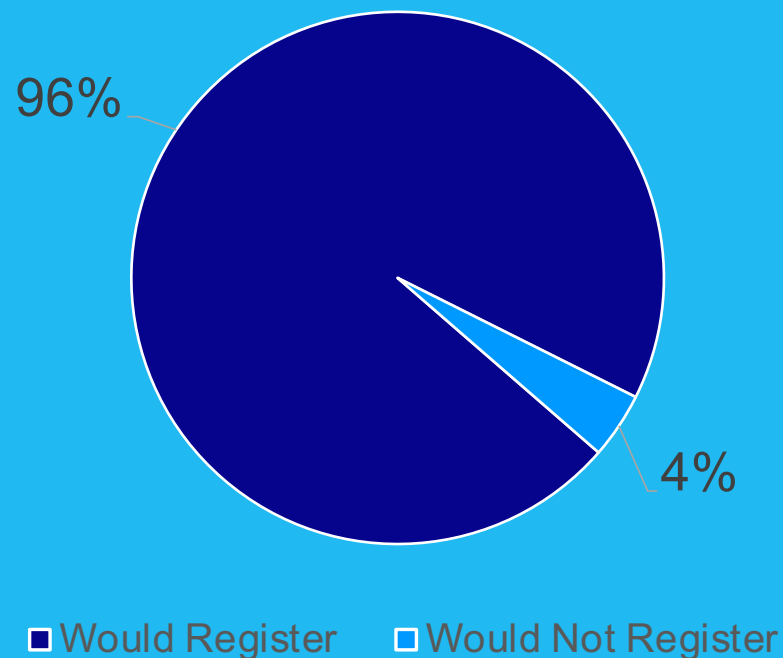
Time

Committed to a turnaround time of **five** working days (typically 2-3).



Before we embarked on developing a digital service, we surveyed users of our current system.....

“96% of users would register for an online system.”



User requested features :

- Ongoing updating of maps
- Full details of gas mains
- Flexible search facility
- Flexible scaling / zooming
- Multilayer / map viewer
- Ability to download map
- Ability to view when onsite

Discover Dial Before You Dig Online



We have prepared a short video to walk through the online user journey

- Step 1: Register to get up and running
- Step 2: Activate your account
- Step 3: Login to create a map
- Step 4: Search for your location
- Step 5: Save your print settings
- Step 6: Hit generate, to download and print your map
- Step 7: Account Management

<https://youtu.be/OkhBOh3lw5k>

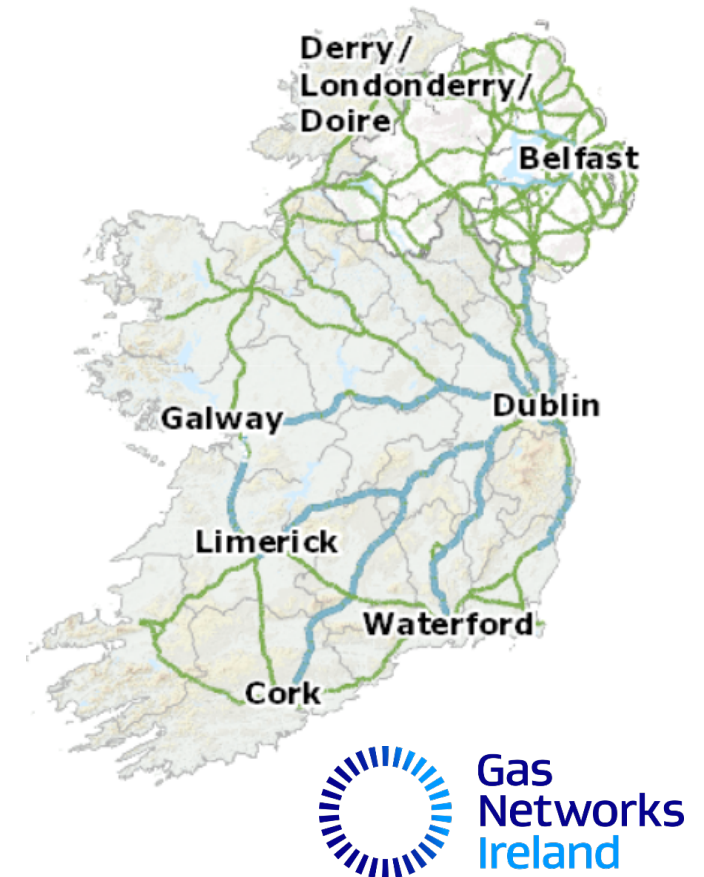




Discover the new **Dial Before you Dig**
section on gasnetworks.ie

Summary of the key benefits of DBYD Online

- Get up-to-date geospatial information of the gas network **anytime day or night**.
- Locate your area of interest in seconds, using **advanced search functionality**.
- Receive dynamic **safety alerts**, when your area of interest interacts with the transmission network.
- Instant map generation, with **multiple scale options**.
- Work from **anywhere** on any device, desktop, laptop, tablet or mobile.





[For Home](#) [For Business](#) [Corporate](#) [Vision 2050](#)

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[Get connected](#) ▼ [Gas benefits](#) ▼ [Safety](#) ▼ [Gas meter](#) ▼ [Customer care](#) ▼ [Maintenance projects](#) ▼

Dial Before You Dig Online

The new Dial Before You Dig Online service will make it easier than ever to check whether there are underground gas pipes on a site before you commence work.

[DIAL BEFORE YOU DIG ONLINE →](#)

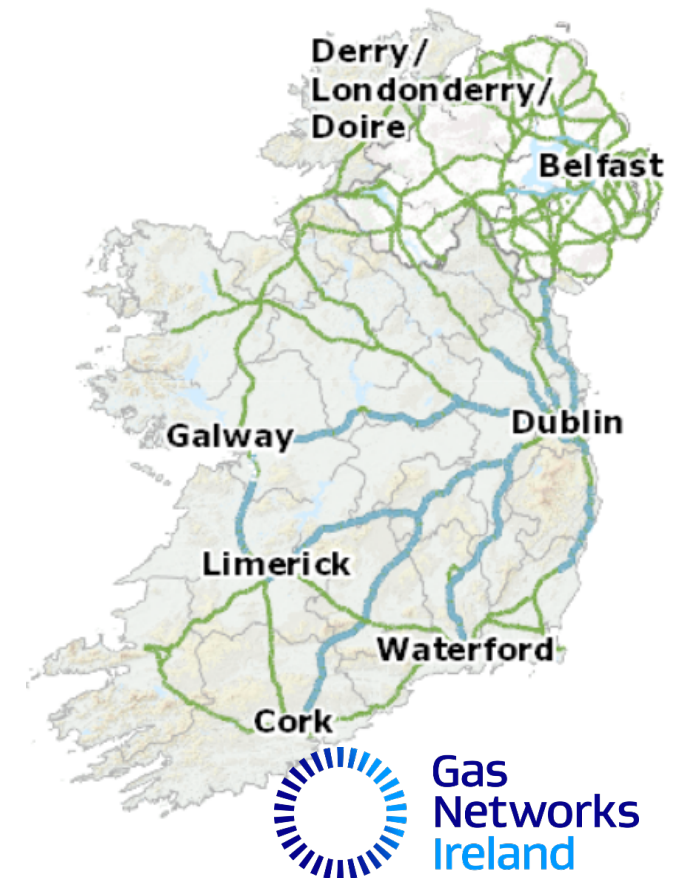
If you smell gas call
1850 20 50 50
24hr emergency service

Customer service
1850 200 694



Dial Before You Dig **Online**

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715830,734699

SEARCH →

Print Settings

Custom Reference

- Optional

Reference 001

Critical Activity Type ?

☐

Quarrying/Blasting

☐

Trenchless Technique

☐

Piling

☐

Demolition

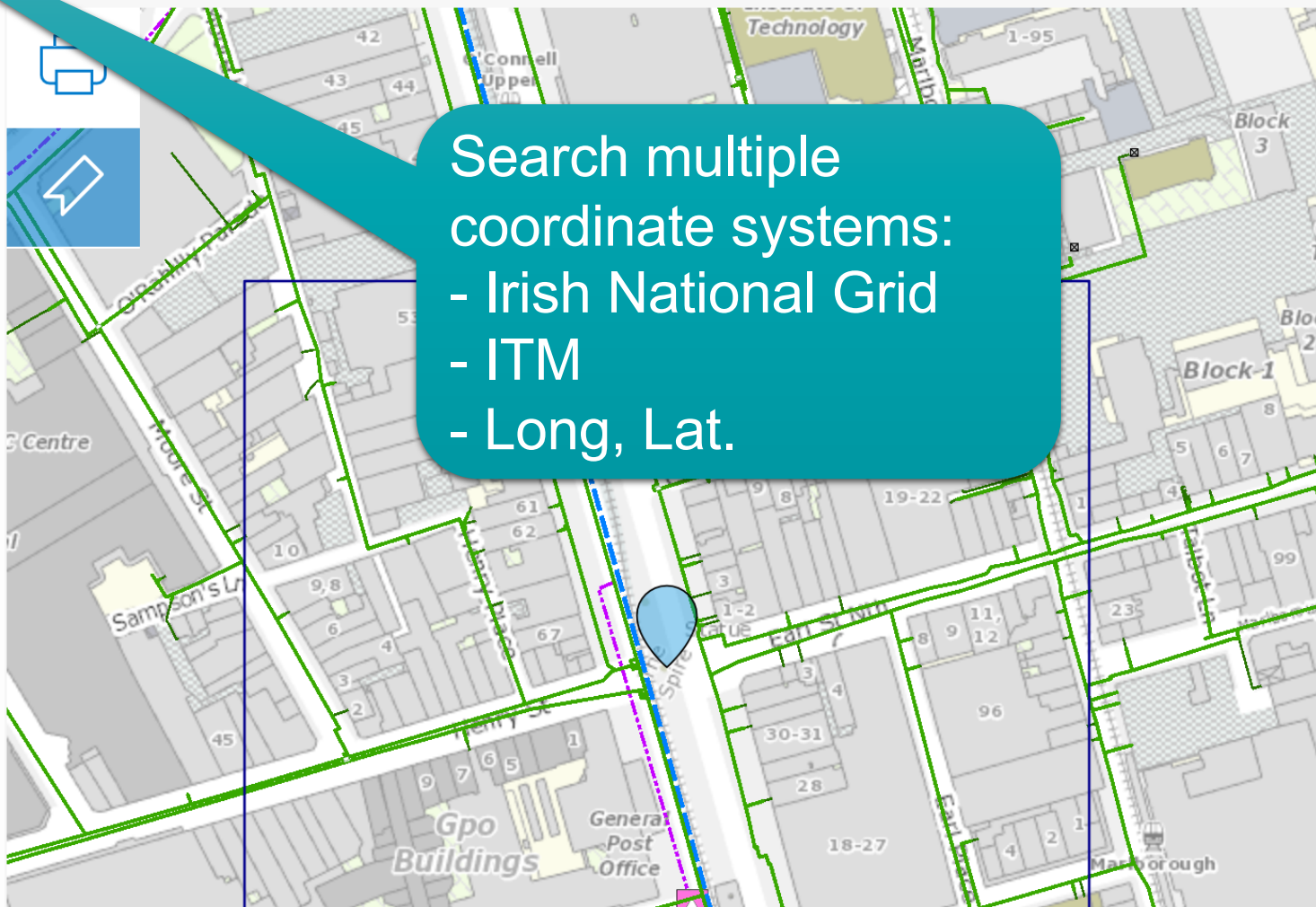
☐

None of the above

Scale¹³ ?

1000

Search multiple
coordinate systems:
- Irish National Grid
- ITM
- Long, Lat.



715830, 734699

SEARCH →

Print Settings



Custom Reference

- Optional

Reference 001



Critical Activity Type ?

☐

Quarrying/Blasting

☐

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☐

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☐

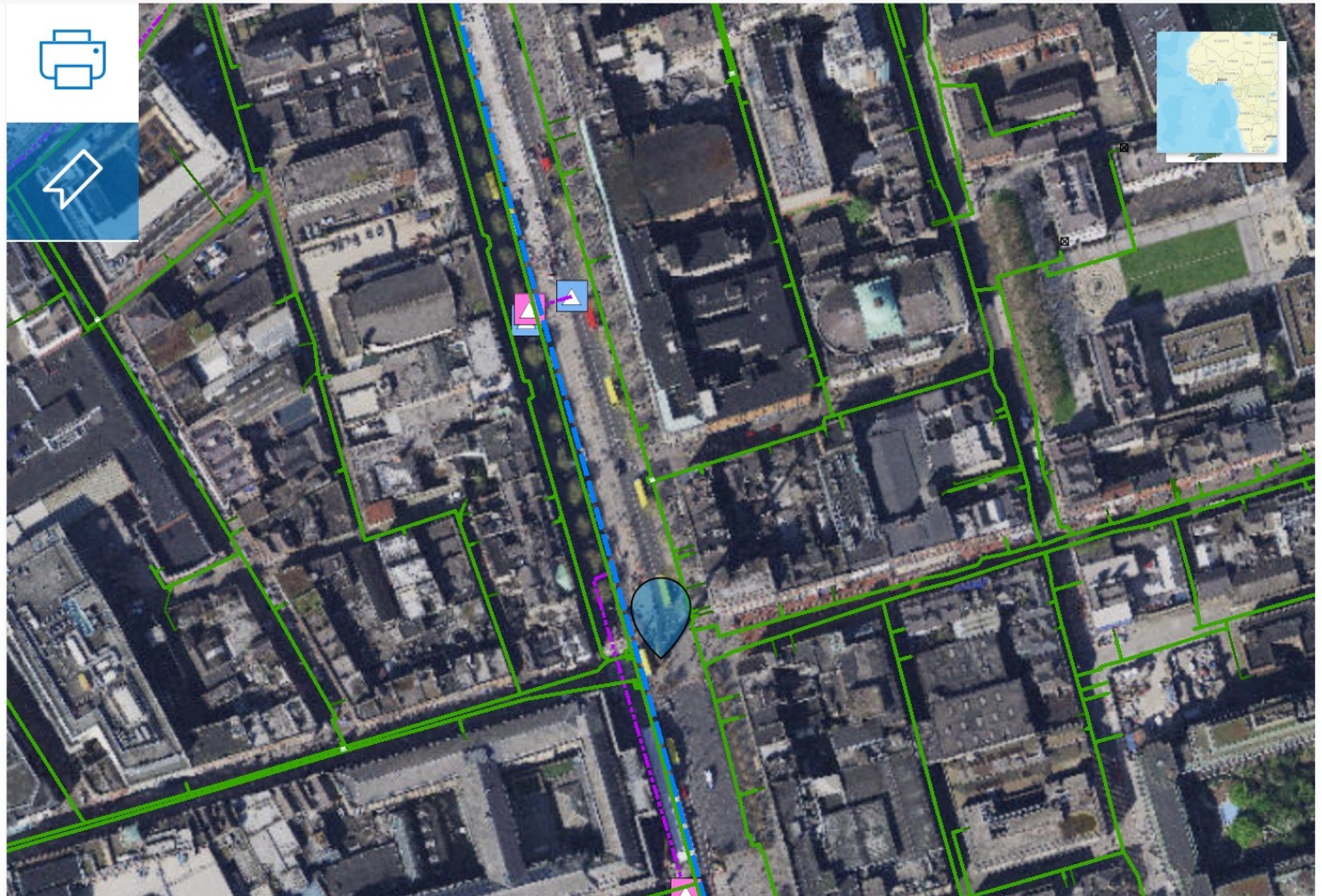
Demolition

☐

None of the above

Scale¹⁴ ?

Please select



Dial Before You Dig **Online**

- Get up-to-date geospatial map information of the gas network **anytime day or night**.
- Locate your area of interest in seconds, using **advanced search functionality**.
- Receive dynamic **safety alerts**, when your area of interest interacts with the transmission network.
- Instant map generation, with **multiple scale options**.
- Work from **anywhere** on any device, desktop, laptop, tablet or mobile.



Print Settings



Custom Reference

- Optional

reference 001



Critical Activity Type ?



Quarrying/Blasting



Trenchless Technique



Piling



Demolition



None of the above

Scale ?

1000



Paper Size / Orientation ?

A3 Landscape



16

GENERATE PDF →



Dial Before You Dig **Online**

- Get up-to-date geospatial map information of the gas network **anytime day or night**.
- Locate your area of interest in seconds, using **advanced search functionality**.
- Receive dynamic **safety alerts**, when your area of interest interacts with the transmission network.
- Simple print settings enable instant map generation with **multiple scale options**.
- Work from **anywhere** on any device, desktop, laptop, tablet or mobile.



Print Settings

Custom Reference

- Optional

Critical Activity Type

☐ Quarrying

☐ Trenchless

☐ Piling

☐ Demolition

☐ None of the above

Scale

Please select

Please select

1000

2500

5000

GENERATE PDF

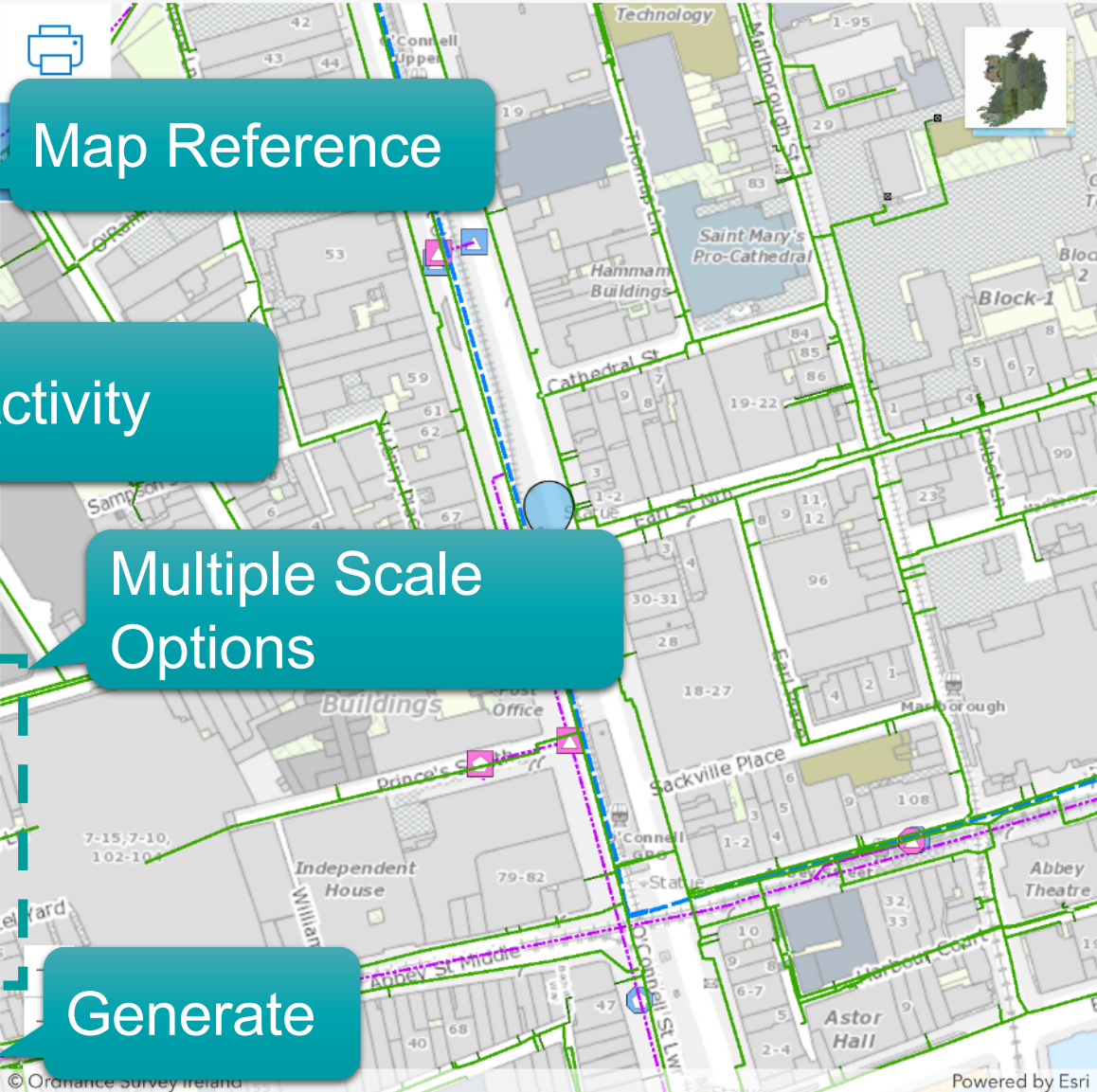
→

Map Reference

Critical Activity

Multiple Scale Options

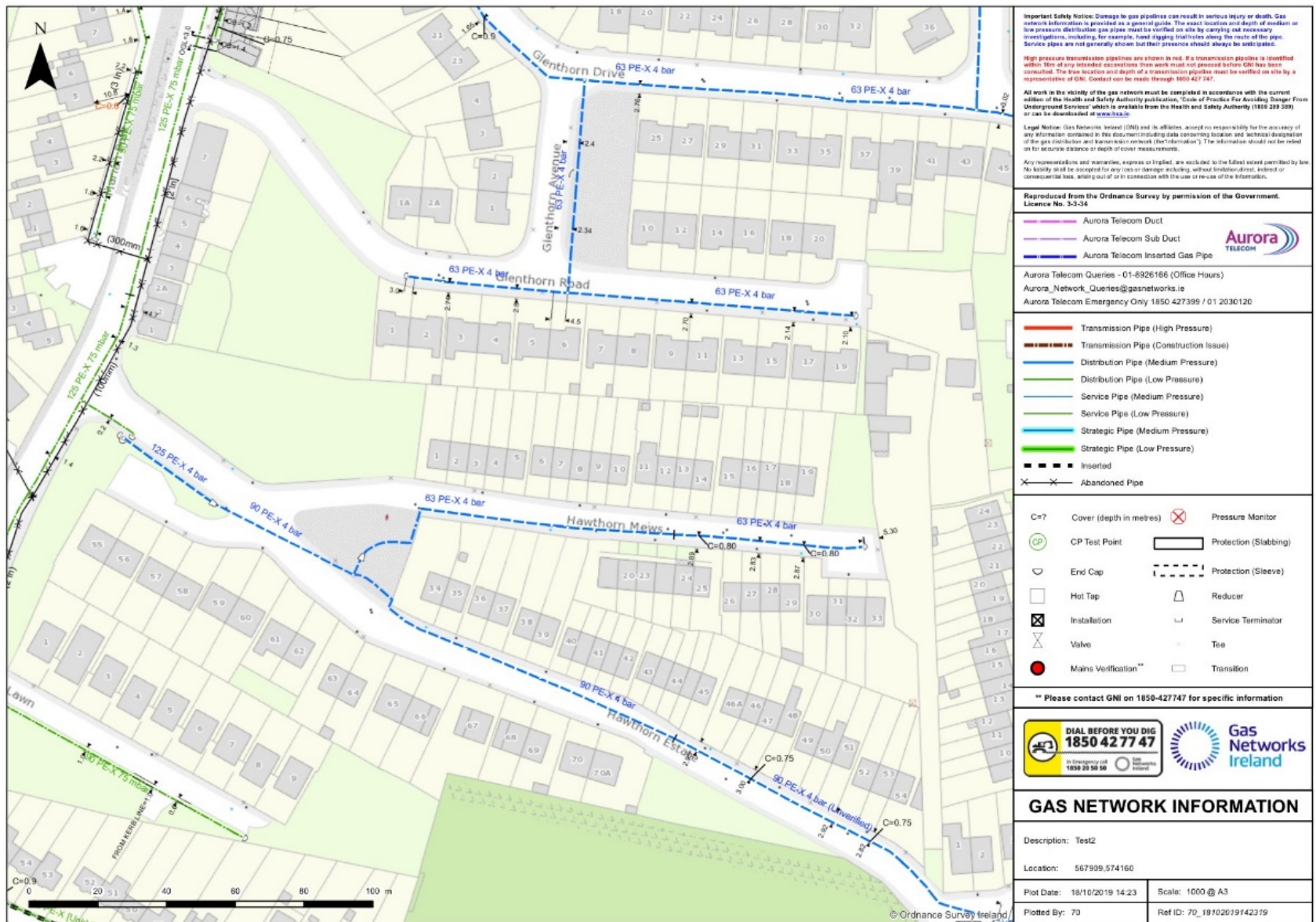
Generate



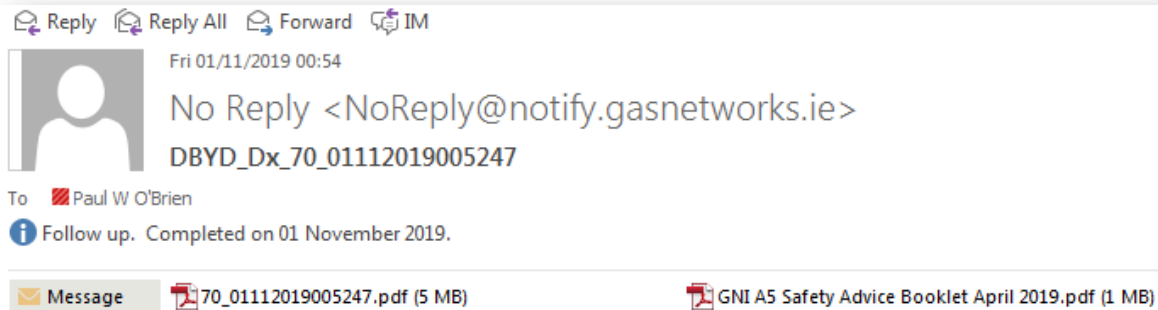
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Please review the [disclaimer](#) for more information.



Email + Map + Safety Information



Thank you for your enquiry on the Gas Networks Ireland [Dial Before You Dig Online](#) service, please find the map for your area of interest.

Gas Networks Ireland has [Distribution Gas Network](#) within your area of interest.

Before you start work, you must have a current gas network map (or maps) for the work location. A current gas network map (or maps) must always be kept on site while work is under way.

Reading your Map

- High pressure transmission gas pipe is shown **Red**.
- Medium pressure distribution gas pipe is shown **Blue**.
- Low Pressure distribution gas pipe is shown **Green**.

The gas network map is indicative only. You must conform to the safety and legal notices printed on the map. For further information on reading this map refer to the [Safety Information](#).



Dial Before You Dig **Online**

- Get up-to-date geospatial map information of the gas network **anytime day or night**.
- Locate your area of interest in seconds, using **advanced search functionality**.
- Receive dynamic **safety alerts**, when your area of interest interacts with the transmission network.
- Instant map generation, with **multiple scale options**.
- Work from **anywhere** on any device, desktop, laptop, tablet or mobile.



Ongoing Support

- FAQs page on our website will help troubleshoot any teething problems.
- In the unlikely event of any issues, real-time support via the GNI call-centre is available during office hours.
- DBYD – Phone and email



Dial Before You Dig **Online** has been publicly available since October 15th

- Over **1,850 maps** generated by over **210 users**
- Positive feedback.
- If you are involved in the planning or carrying out of excavations, DBYD Online will make it easier than ever to check for underground gas pipes.

“Very quick
and easy to
use”

“Simple
and saves
time”





Gas
Networks
Ireland

Dial Before You Dig Online

Thank You....



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