

# The Greater Dublin Drainage Project



## In this Update

- > About the GDD project
- > Upcoming surveys
- > Project delivery timeline

## The GDD Project

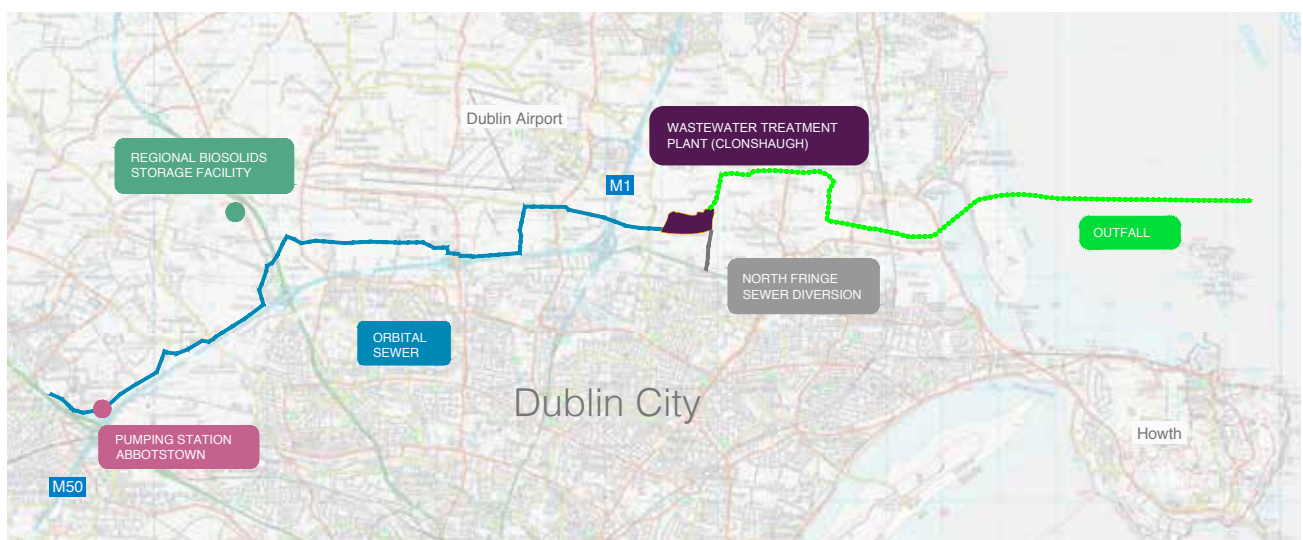
Greater Dublin Drainage (GDD) is the development of a new regional wastewater treatment facility and associated infrastructure to serve the population of north Dublin.

The new regional wastewater treatment facility is vital to protect public health, safeguard the environment, and facilitate the social and economic growth of the Greater Dublin Area. The GDD project will help ensure that the wastewater generated every day in our homes and workplaces will continue to be treated safely in compliance with EU and national wastewater treatment regulations.

The project includes a new regional wastewater treatment facility to be built in the townland of Clonshaugh, an underground orbital sewer from Blanchardstown to Clonshaugh, a new pumping station at Abbotsown, a partial diversion of the north fringe sewer, and an outfall pipeline to discharge the treated water to the Irish Sea. The project also includes a regional sludge treatment centre at the new GDD treatment facility and an associated biosolids storage facility at Newtown near Kilshane Cross.

An Bord Pleanála granted planning permission for the GDD project in November 2019.

Once operational from 2026, Dublin's new regional wastewater treatment facility and associated drainage infrastructure will serve the equivalent of half a million people living and working in this area into the future.



Greater Dublin Drainage Project Map

## Upcoming GDD Surveys

Surveys are planned from early January 2020 as part of the preparatory work prior to construction of the GDD project.

The surveys include ground investigations comprising boreholes, trial pits, and slit trenches.

### What is the purpose of the surveys?

Conducting these surveys is necessary to ensure that as much information as possible is known about ground conditions within the project area in advance of the main construction. These surveys will provide valuable data to enable the construction phase to run smoothly and minimise the risk of potential delays.

### Where are the surveys taking place?

Surveys are planned to take place along the route of the orbital sewer pipeline, at the Abbotstown pumping station location, at the wastewater treatment plant site location at Clonsaugh and on the land side route of the outfall pipeline (please see map above). The surveys will commence at Abbotstown moving eastwards. Landowners will be contacted in advance of the surveys if their lands are affected.

### What are the working hours?

Survey work will begin in early January and will only be operational 08:30hrs to 17:00hrs, Monday to Friday. As the daylight lengthens, the working hours will increase to a maximum of 08:00hrs-18:00hrs.

Work affecting roads will be conducted during off-peak hours (i.e. outside of 07:00hrs-10:00hrs and 16:00hrs-19:00hrs).

### When will the surveys be complete?

The ground investigation surveys will commence at the start of January 2020 and will be completed by April 2020.

### How can I contact the project team?

The GDD project team can be contacted as follows:

- > Email: [info@greaterdublindrainage.ie](mailto:info@greaterdublindrainage.ie)
- > Lo-call telephone: 1890 44 55 67 (9am-5pm Monday-Friday; closed 1-2pm)
- > Web: [www.greaterdublindrainage.ie](http://www.greaterdublindrainage.ie)

## Types of Surveys

### Boreholes:

Boreholes are used to assess the composition of rocks below our feet, using similar equipment as show below. One borehole takes two to three non-consecutive days to complete, as two different sets of machinery are required. Along the entire route of the project, 70 boreholes will be carried out. After each borehole is completed, the area will be reinstated.



Example of a borehole survey.

### Trial Pits:

Trial pits are used to assess the composition of soil below our feet. Each trial pit will take 1-1.5 hours to complete and the site will be reinstated following each investigation.



Example of a trial pit survey.

### Slit Trenches:

Slit trenches are used to confirm the location of underground utilities. The slit trenches are primarily conducted alongside public roads. One slit trench takes on average half a day to complete.

### Geophysical Surveys:

Geophysical surveys are a non-invasive means of characterising the soil and rocks far below the surface of the earth. To carry out these surveys an instrument trolley is pushed slowly across the area and measurements recorded. The trolley used is smaller than an average shopping trolley and takes one day to cover approximately 150 metres.

## Project Delivery Timeline



\* This project timeline is indicative.



Tionscadal Éireann  
Project Ireland  
**2040**



### Get In Touch

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We welcome questions on the GDD project and are available to provide further information:

**By telephone:** 1890 44 55 67  
(Mon-Fri 9am-1pm & 2pm-5pm)

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Más mian leat cóip den leabhrán seo a fháil as Gaeilge, déan teagmháil linn ar an uimhir thuasluaite.