

The Thames Estuary is at significant risk from tidal flooding. A world class system of defences, including 8 major barriers, around 330km of walls and over 900 structures (such as flood gates, outfalls and pumps), work together to protect the 1.3 million people and £275 billion worth of property from regular tidal flooding. Climate change, population growth and ageing flood defences mean that tidal flood risk will increase over time unless this risk is carefully managed. In 2012, the Environment Agency and partners published the Thames Estuary 2100 Plan, which sets out a strategy to manage this risk until the end of the century and beyond. The Thames Estuary Asset Management (TEAM) 2100 Programme is a capital investment programme to refurbish and improve existing tidal flood defences, one of the key first steps in delivering the Plan. The programme started in 2014 and is being jointly delivered by the Environment Agency, Jacobs and Balfour Beatty, along with other suppliers. It is the UK's largest single programme of flood risk management work, valued at over £300m in total, and is one of the government's top 40 major infrastructure projects.

Works in Thamesmead and Erith are being carried out by TEAM2100 in order to deliver the Thames Estuary 2100 Plan. You can read more about Thames Estuary 2100 here: [www.gov.uk/government/publications/thames-estuary-2100-te2100/thames-estuary-2100-te2100](http://www.gov.uk/government/publications/thames-estuary-2100-te2100/thames-estuary-2100-te2100) and download a copy of the Plan here: <https://www.gov.uk/government/publications/thames-estuary-2100-te2100>

## What are we telling you about?

We are writing to inform you of refurbishment works due to take place at Gallions Lake pumping station on Ridges Close, Thamesmead, on the Northern edge of the lake.

## What will we be doing?

The pumping station has been in operation since 1980 and the pumps, valves, pipework and control equipment are at the end of their life and need replacing. We will also be improving access for operating and maintenance purposes including the installation of some permeable paving within the station compound. Gallions lake collects rainwater from the surrounding area. The pumping station lifts water from the Lake to the River Thames when the river level is high, and water cannot flow **into the Thames via** gravity.

The refurbishment works will be starting in January 2021 and is expected to continue for seven months. Site set up work may be starting in December (weather permitting). The site compound area will be located immediately West of the pumping station. Working hours will be from 07:00 until 18:00, Monday to Friday.

During the construction works, our contractors will:

- Replace internal pipework, valves, pumps, electrical equipment and control panels
- Upgrade fire and security systems
- Provide permeable paving within the station compound
- Replace external lighting with present day efficient equivalents
- Upgrade safety access equipment; platforms and handrails at the station and at the lake side
- Erect a temporary lifting frame in the pumping station (which will be removed when our works are complete)
- Temporarily close part of the lakeside path next to the pumping station to allow installation

## Where is this happening?

These works will be taking place on the Northern edge of Gallon's Lake, near Ridge Close.

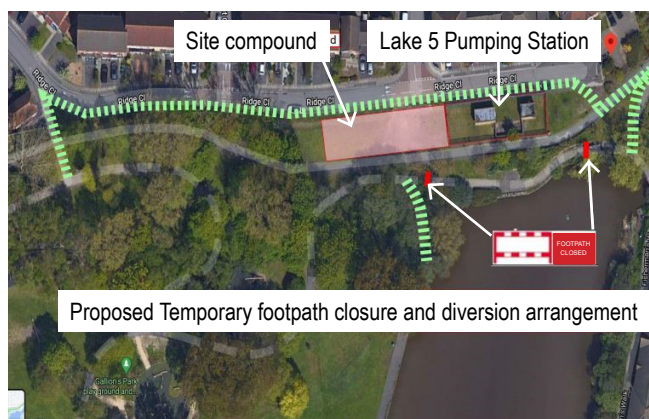
## Why are we doing this work?

This will improve the pumping stations reliability, reduce operating costs and make it easier and safer for operatives to carry out future operation and maintenance works.

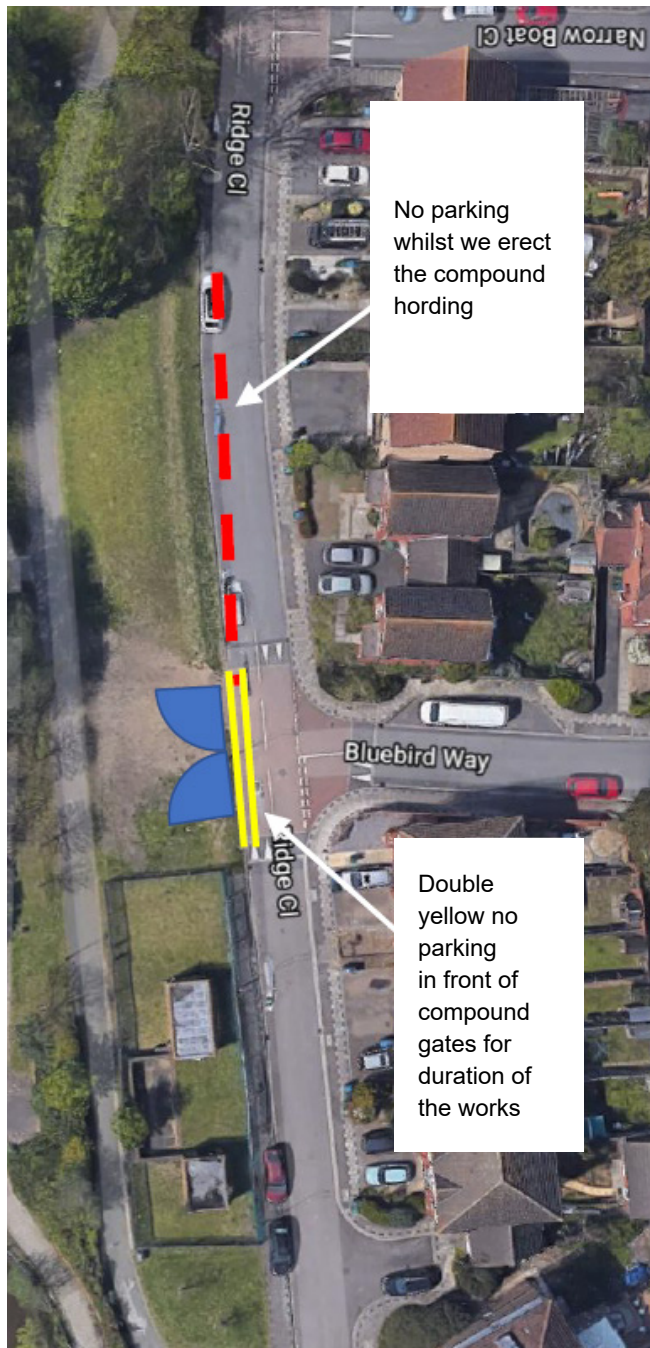
## What is the impact of this work?

As previously mentioned we will be setting up a temporary site compound and undertaking works within the pumping station compound and at the lakeside next to the pumping station. Deliveries of materials will be **made** via the main carriageway A2016. Residents of Bluebird Way and Ridge Close will experience an increase of vehicle activity, but no road closures **are required**.

In order to carry out works safely there will be a part closure of the footpath adjacent to Gallions Lake. Please see below for more details, with the area highlighted in green showing the diversion route.



Whilst the installation of the site compound is taking place, temporary parking restrictions will be in place for approximately one week. Throughout the duration of the refurbishment works, double yellow lines will be used to ensure access to the site, these will be removed when we have finished. Please refer to the image below for further information.



## Contact

If you have any questions regarding these works, please contact:

**Salman Ahmed,**  
**Stakeholder Engagement Lead**  
Email: [salman.ahmed@jacobs.com](mailto:salman.ahmed@jacobs.com)