

## How will this affect you?

We have started the work in 2016 and it will take around three years to complete.



### Noise and vibration

This type of work will require some big machinery that will be noisy and will cause vibrations. We'll do all that we can to keep this to a minimum.



### Traffic

You will see extra construction vehicles coming to the Fishers Field site whilst we carry out the work.

We will need to put in place some temporary traffic management, lane closures and on occasions close roads to carry out our work. (see map)



### Customer centre

We have a dedicated customer centre for the duration of the project which will be found next to our construction site on Highfield Road. Opening hours will be posted outside the centre. Please pop in to discuss any concerns, or to find out more about our project.

Thank you for your patience while we're carrying out our work, we'll ensure we keep the local community updated as our project progresses.

**LOVEmy  
BEACH**  
lovemybeach.org

We're part of the LOVEmyBEACH campaign, a partnership of organisations working together to keep our local beaches and bathing waters clean. You don't have to live by the sea to make a difference – wherever you live, work or visit in the North West, please support LOVEmyBEACH.

We're playing our part, here are a few ways that you can help too.

**Think before you flush** - Remember our simple rule to only flush the 3 Ps: Pee, Poo and Paper.

**Think before you pour** - Don't pour kitchen fats, oils and grease down the sink as they can cause sewer blockages which can overflow into the sea.

**Pick up your dog's poo** - Please put it in a bin.

**Come along to a beach clean** - head to 'Events' on our website to find out where and when your next local beach clean is.

To find out more ways to help, please visit [lovemybeach.org](http://lovemybeach.org)

## Still have a question?

You can call us on **0345 672 3723** quoting project number 80041518  
We'll be happy to help. [unitedutilities.com/blackpool](http://unitedutilities.com/blackpool)



# Helping to improve bathing waters across the Fylde coast

## Our work in Blackpool South

# Lennox Gate Pumping Station

Lennox Gate pumps local wastewater from the Blackpool South area through to Manchester Square. It then flows by gravity along a 14km tunnel to Fleetwood Wastewater treatment works, where the wastewater is then cleaned before it's safe to be returned to the environment.

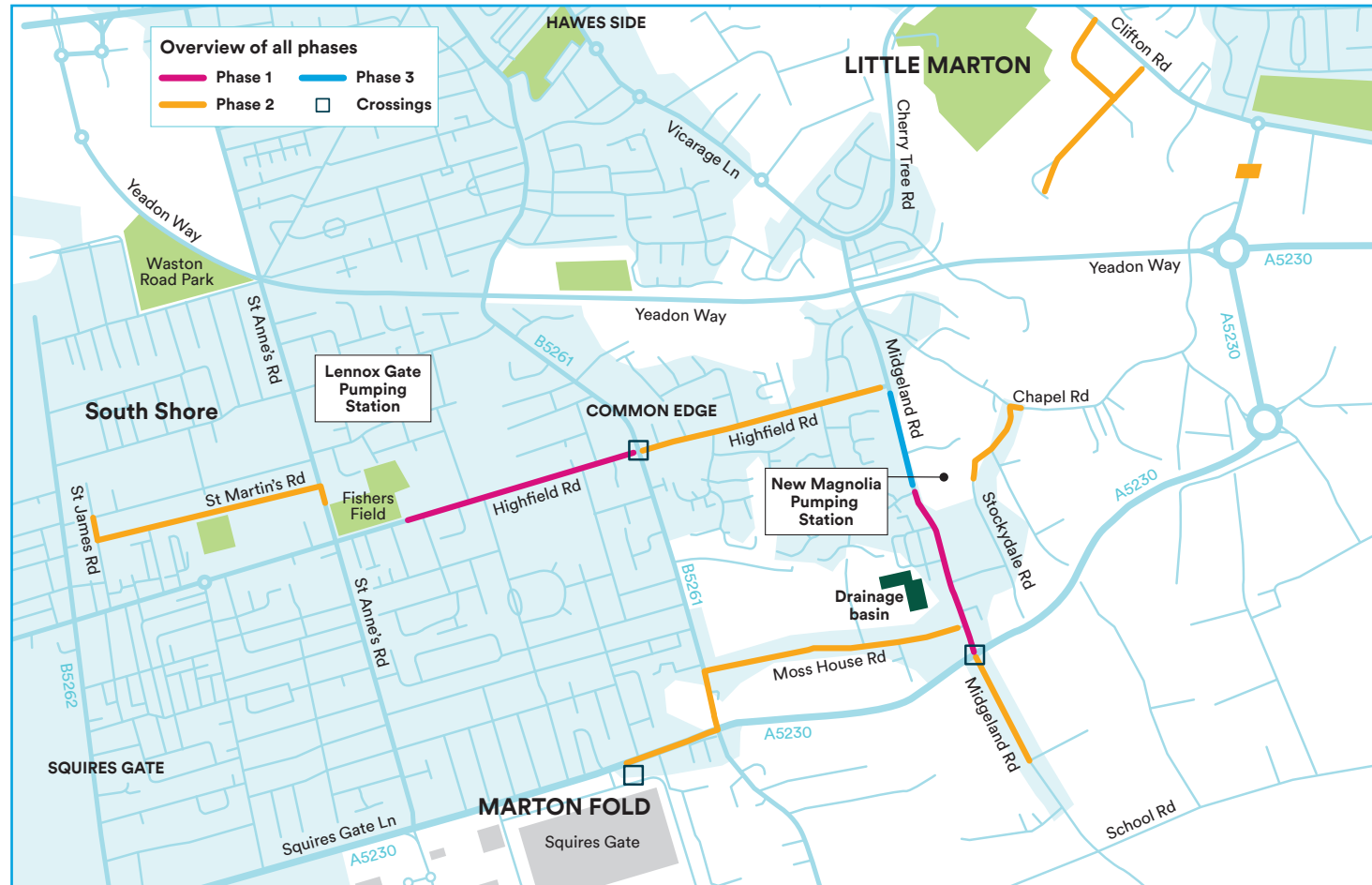
The station also protects properties and businesses from potential flooding during heavy rainfall by taking the excess water from roads, gardens and built up areas (known as surface water), and pumping it out to sea through our brand new outfall pipe at Harrowside.

Lennox Gate is capable of pumping 4000 litres per second (the equivalent to a petrol tanker's load every 7 seconds) however it's over 80 years old and is in need of some updating to bring it in line with modern standards.

## So what are we doing?

We've already done some improvement work on the storm water outfall pipe at Harrowside which allows the storm water to disperse further out to sea during extreme weather, but there's still a lot of work to do.

## Work in the Highways



We're planning to carry out additional work to help reduce the volume of surface water entering our sewer network. We will be completing some improvement works to our sewer pipes and network capacity. We'll do this by:

All of these have direct benefits and will help Blackpool meet the stringent water quality standards imposed for bathing waters in the local area.

## Building a new surface water pumping station

We've done a lot of survey work, predominantly in the Marton Moss area, to identify the locations of surface water (rainwater) connections to the sewer network. Our next phase of work will be to disconnect these and send this surface water directly to sea via a brand new dedicated surface water pumping station.

By removing surface water connections from the sewer system, we allow more space for foul sewage from our toilets and sinks. Clean rainwater which doesn't need to be cleaned can be sent directly to the sea which is what our new surface water pumping station will do.

## Separating the non-harmful rainwater

Rainwater doesn't need to be treated before it is returned to the environment so around the Marton Moss area we will be utilising existing drainage basins to pass this water out to sea.

We are creating a number of additional drainage basins that will act as storage and when the pumping station is at capacity. They will hold the surface water until the demand on the pumping station eases. The stored water will then be sent to the pumping station in the normal way.

This work will help us reduce the amount of water that runs through our sewer network and causes problems when it rains heavily. It will also allow us to take out the non-harmful rain water, which doesn't need to be treated. Most of these basins will be in dry, green open spaces.

## Building a new underground stormwater tank

In addition to ease the amount of water going through the combined wastewater network, we are building an underground storm water storage tank within Fishers Field that will store excess storm water during rainy conditions then return it back into the sewer system to be treated and safely returned to the environment.

We're also laying new sections of pipe from our Lennox Gate pumping station to connect the new tank at Fishers Field into the existing sewer. (see map)

This new pipe will then be connected to our recently installed outfall pipe at Harrowside and this will pump the storm water out to sea.

