

# Cork Lower Harbour Main Drainage Project

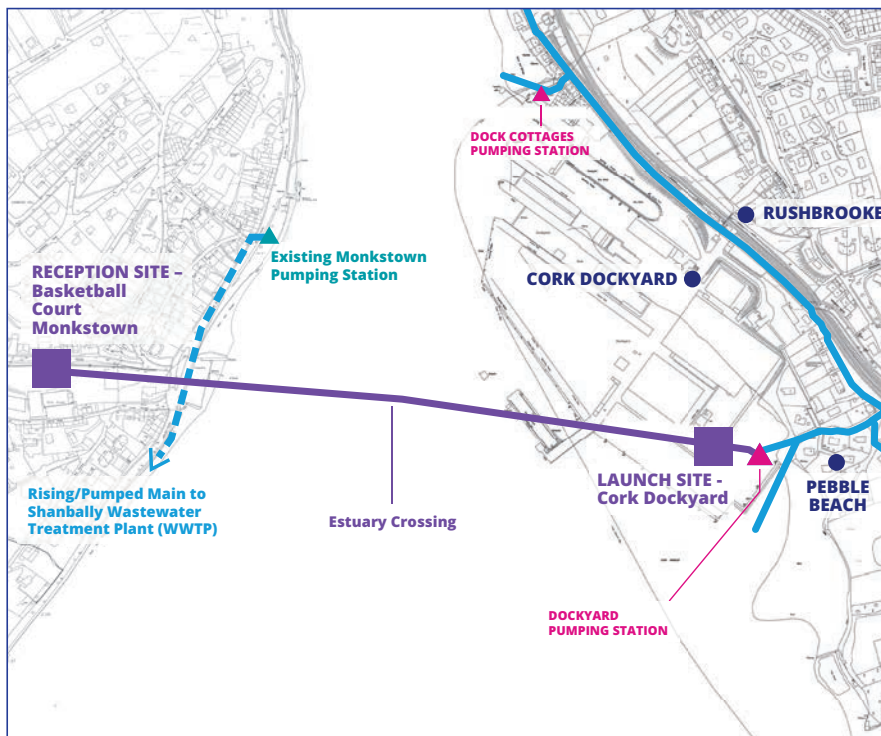
## The Cobh to Monkstown Estuary Crossing Contract



Untreated raw sewage has been discharging directly into the lower harbour for decades. Irish Water, working in partnership with Cork County Council are ending this practice by delivering the Cork Lower Harbour Main Drainage Project.

### What is the estuary crossing?

The estuary crossing phase of the project will install 2 pipes, 500mm diameter each, under the River Lee estuary between Cobh and Monkstown. This will enable the wastewater from Cobh to be pumped to Monkstown and onto the Shanbally Wastewater Treatment Plant. Here it will be treated before being discharged safely into the harbour.



### How are pipes installed under the estuary?

We will use a process called Horizontal Directional Drilling to install the pipes under the estuary. A bore hole will be drilled from the launch site in Cobh to the receiving site in Monkstown.

### How long will it take?

The works will take approximately 1 year to complete.

### Progress Update

- ✓ **Shanbally Wastewater Treatment Plant:**  
**Complete**  
Treating 20,000 wheelie bins of wastewater
- ✓ **Works in Carrigaline, Ringaskiddy & Rafeen areas**  
**Complete**
- **Works in Passage West, Glenbrook and Monkstown**  
New Pipework **Complete**  
Pumping Stations completion Summer 2019
- **Estuary Crossing Contract**  
Contract Award Spring 2019
- **Cobh Networks Contract**  
Contract Award Summer 2019
- **Completion in 2021**  
40,000 wheelie bins of wastewater being treated

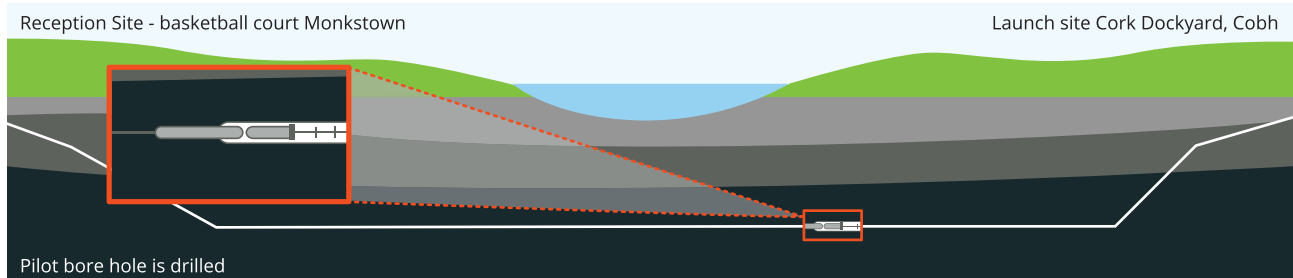
## What are the steps involved?

### Step 1 - Set up for horizontal directional drilling – approximately 3 months

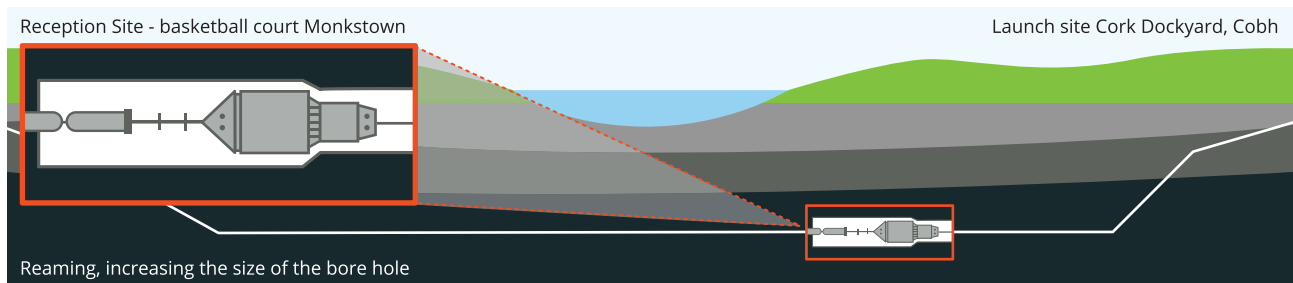
The launch site in Cobh in the Cork Dockyard and the receiving site at the basketball court in Monkstown will be set up to prepare for drilling.

### Step 2 - Drilling, reaming and pipe installation – approximately 6 months

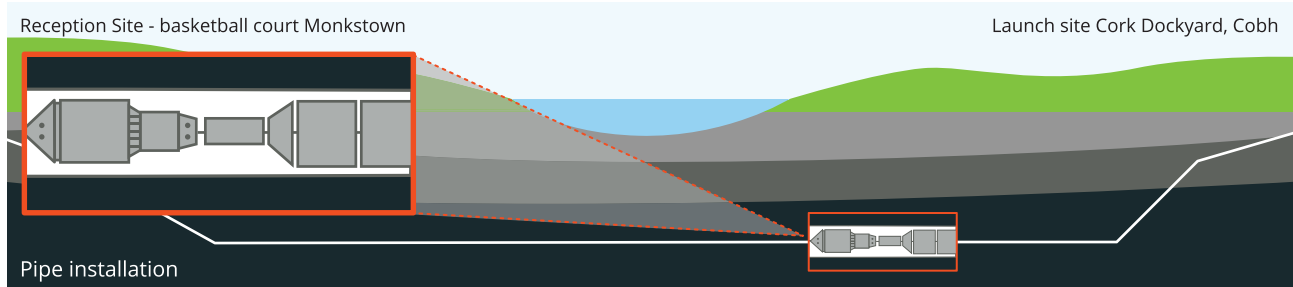
Firstly, a bore hole will be drilled from the launch to the receiving site.



Then the size of the bore hole will be increased slowly, using a reaming tool. The process will be repeated a few times so the bore hole gets bigger each time.



Sections of pipe will then be brought to Glen Road. The pipe sections will be welded together to create a pipe string. After testing, the pipe will then be placed on rollers and pulled through the completed bore.



### Step 3 - Reinstatement – approximately 3 months

The area where works took place in Monkstown and Cobh will be reinstated back to their original state.

## Will there be a local impact?

In order to build the scheme safely, there will be some traffic disruptions while works are taking place. These necessary delays will be kept to a minimum. Glen Road will need to be closed for a period when we string the pipe along the road to weld and test it in advance of pulling it into place and for some utility diversions. This will be for a short period of time and we will engage with the community in advance.

While there will be noise from the drilling operation, we will use noise reduction materials and controls to ensure that disruption is kept to a minimum and that it will be in keeping with the limits set out in the conditions of planning permission.

## How can I stay informed about the works?

Information evenings will be held to keep the communities of Monkstown and Cobh informed.

Please email the project team at [corklowerharbour@water.ie](mailto:corklowerharbour@water.ie) to register for update emails and get the most accurate and up-to-date information on the project or visit [www.water.ie/corklowerharbour](http://www.water.ie/corklowerharbour)