



**Scottish  
Water**

Trusted to serve Scotland

# 1) Welcome

**Thank you for attending today's information event about our proposals for the sewer network in Tarbert.**



**We require to reduce the risk of sewer flooding in the area.**

We need to take care of our sewer network in Tarbert to ensure it can continue to serve customers and protect the local environment for many years to come.

The objectives of today's event are: -

- To provide information on our plans
- To answer questions and discuss any concerns

We have information on:

- Where the works is located and why investment is needed
- The plans so far
- What happens next and how you can keep in touch

We want to continue to keep in touch as our plans progress and will post regular updates on our dedicated webpage: -

**[www.scottishwater.co.uk/tarbert](http://www.scottishwater.co.uk/tarbert)**



**Scottish  
Water**

Trusted to serve Scotland

## 2) What is planned?

**We require to upgrade the sewer network at three locations in Tarbert.**

**1) Barmore Road.**

**2) Harbour Street.**

**3) School Road.**

This project is a £3.4m investment in the waste water infrastructure to help prevent flooding and help prevent items that are wrongly flushed down such as wet wipes and nappies from overflowing into the Sea during severe storm events.

The work is being managed by our alliance partner amey Black & Veatch (aBV).

## **How long will the work take?**

The works are planned to start in March 2020 and be completed by April 2021.

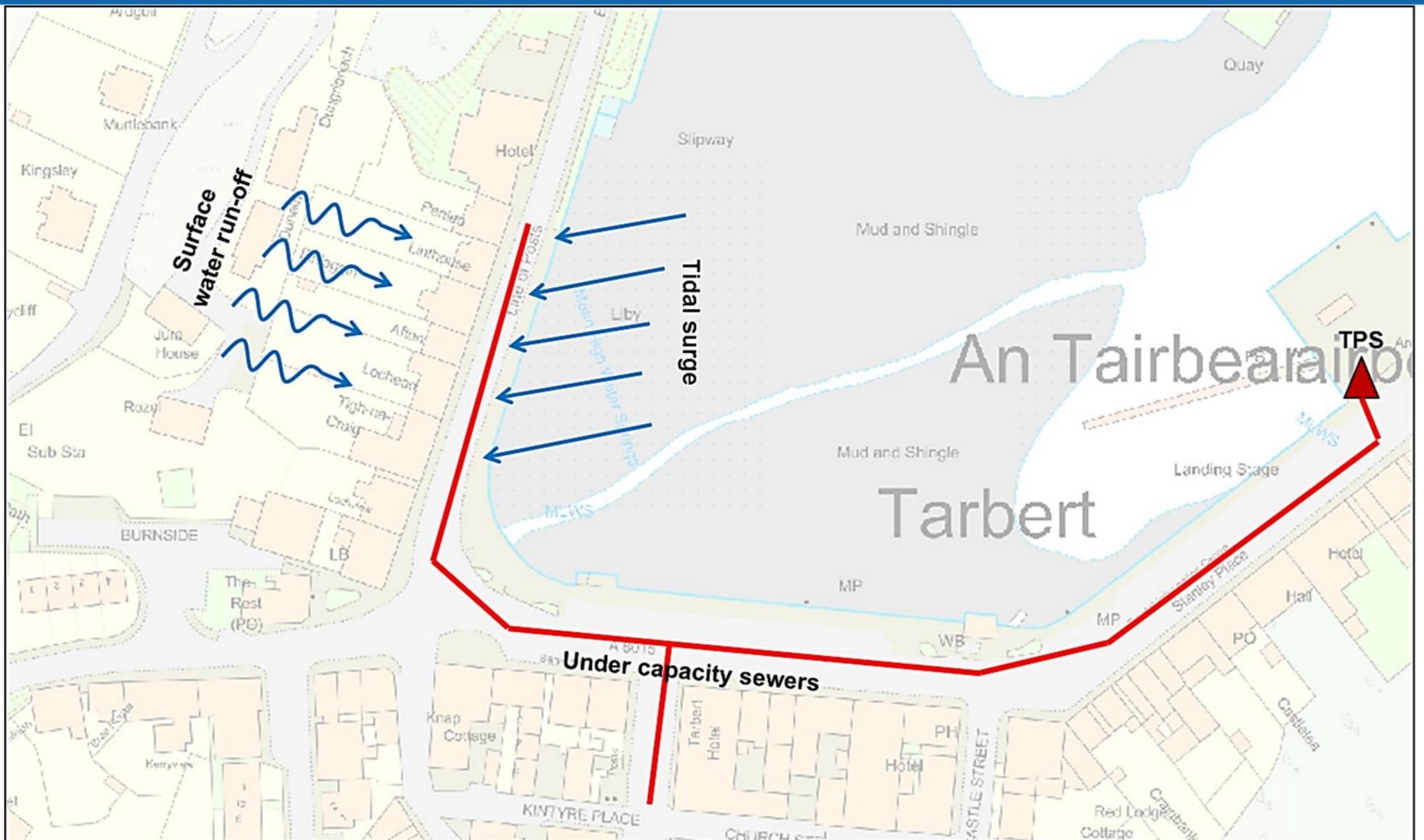


## 3)(a) Overview of Sewer flooding

- Sewer flooding in Tarbert affects Barmore Road, Harbour Street and School Road.
- Sewer flooding is generally rainfall driven – when the capacity of the sewer is overwhelmed by the volume of rainfall and run off from roads and properties.
- Flooding is complex, with many organisations responsible for different elements of the drainage systems: requirement to work with Argyll and Bute Council and other bodies.
- Scottish Water is responsible for the sewerage network; Local Authorities are responsible for roads drainage and watercourses
- SEPA is the environmental regulator and provides flood advice.



# 3(b) Overview of Sewer flooding



- **Tidal storm surges** – which can result in flooding of both Barmore Road and Harbour Street. Road drainage can become tide-locked, exacerbating flooding.
- **Surface run-off** – from the steep slope on the west side of the properties. Also enters into and puts strain upon sewer system.
- **Sewer Flooding** – Storm sewage emerges from manholes and drains. Properties at risk of internal sewer flooding from backing up through their lateral connections to the main sewer or overland flow breaching property thresholds (doors & air vents etc). **(Scottish Water Responsibility)**



**Scottish  
Water**

Trusted to serve Scotland

## 4) Investigation work stage

- We carried various investigation works across 2018-2019 at different locations in the village.
- This provided us with details of the rock strata and confirmed the location of existing utility services.
- This information helped provide key information to make informed decisions where to locate the new infrastructure.
- It also helps ensure there is less risk of hitting an utility service pipe in the ground and disrupting any supply to the community.





**Scottish  
Water**

Trusted to serve Scotland

## 5) (a) Pipe installation

- Large diameter sewers are to be installed along Barmore Road, Harbour Street and a short section of School Road. The largest diameter being 1.2m in diameter, which are to be installed on Harbour Street.



- The working area of the road is fenced off with Traffic management (Road cones / Traffic lights) to ensure a safe area to work and to protect the public. Parking restrictions may also apply near the work.



- To install the large pipes the ground is firstly secured by piling metal sheets into the ground. This phase can be noisy and cause vibrations. We will monitor levels throughout the project to ensure we work within safe levels.





**Scottish  
Water**

Trusted to serve Scotland

## 5) (b) Pipe installation

- The large diameter pipes are delivered to site.



- A trench is excavated in the road where the metal sheets have been piled into the ground.



-   An archaeologist will be on site during the works to record any finds of interest.  

- The large pipes are installed in the trench.



- Manholes are constructed along at each change in direction of the pipework.



- The excavated area is backfilled and reinstated. The pipe installation moves along to the next phase.





**Scottish  
Water**

Trusted to serve Scotland

## 6) Phasing

- This work will help reduce the risk of sewer flooding to properties in the Barmore Road and Harbour Street area and will be disruptive at times, we are therefore taking steps to minimise the impact.
- The work will be suspended for the month of July to avoid any disruption to the Tarbert Seafood Festival, Loch Fyne Viking Festival, Tarbert Traditional Boat Festival and the Tarbert Fair.
- Water mains diversion work, which is required to accommodate the new sewer, will be completed in parallel with the construction of the new sewer to reduce the time we will be on site.
- Short term road closures of Barmore Road are required for critical sewer tie-in works. These will be scheduled for weekends where possible and a diversion will be provided to allow vehicles to pass round Tarbert during this time.
- Upsizing will be carried out in phases to reduce the disruption to community.





**Scottish  
Water**

Trusted to serve Scotland

## 7) Location of site cabins

- Site cabins and a small storage area are proposed to be located in the Harbour





# 8) (a) Harbour Street

## 6 months duration

- We need to install 1.2m diameter sewers and manholes



Key — = Open cut new pipes shown in Red

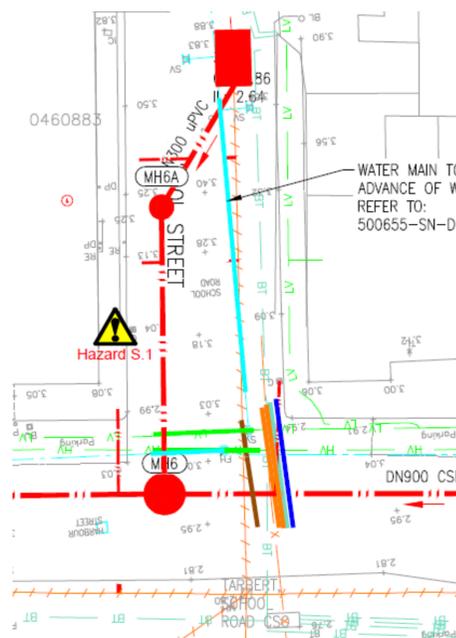
- One lane will remain open on seaward side of Harbour Street with Traffic lights used to manage the traffic.
- The pipe laying will be phased to shorter 50m sections to minimise the impact
- Parking restrictions will apply near and around the works area. Signs will be erected on lampposts before we start work.
- All shops and businesses will remain open as usual for business during the works. (We will contact local businesses to be directly affected prior to each work phase starting to discuss delivery arrangements).



# 8) (b) School Road

## 1 month duration

- We need to divert a watermain first to make space for the new sewer
- We need to install 300mm diameter sewer and manholes in School Road.



- One lane will remain open with Traffic lights used to manage the traffic to ensure the route the school remains open.
- Parking restrictions will apply near and around the works area. Signs will be erected on lampposts before we start work.
- All shops, restaurants, hotels and businesses will remain open as usual for business during the works. (We will contact local businesses to be directly affected prior to each work phase starting to discuss delivery arrangements).
- We will notify you in advance if your water supply to be interrupted.



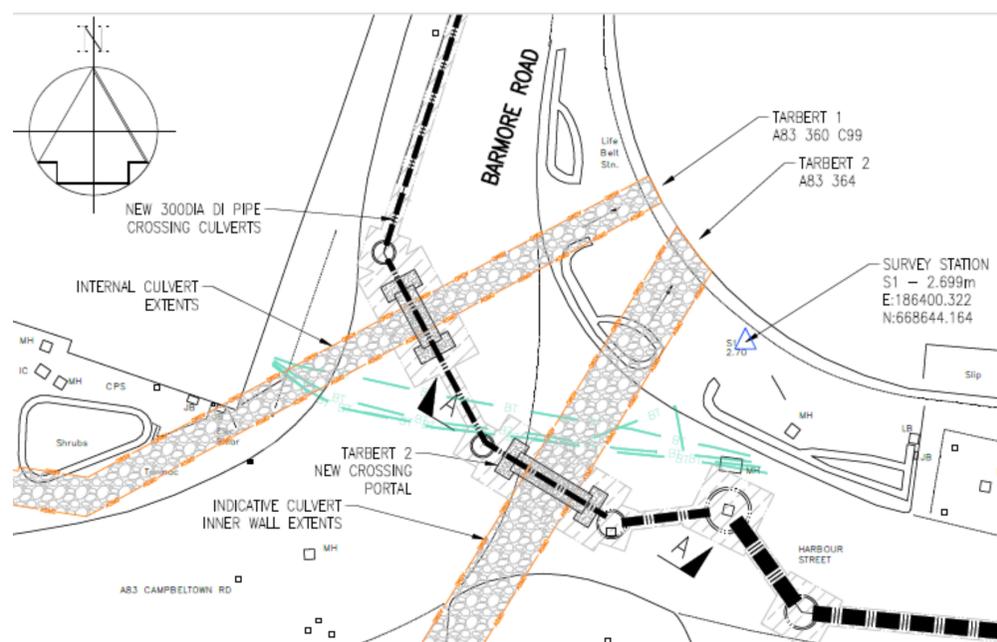
**Scottish  
Water**

Trusted to serve Scotland

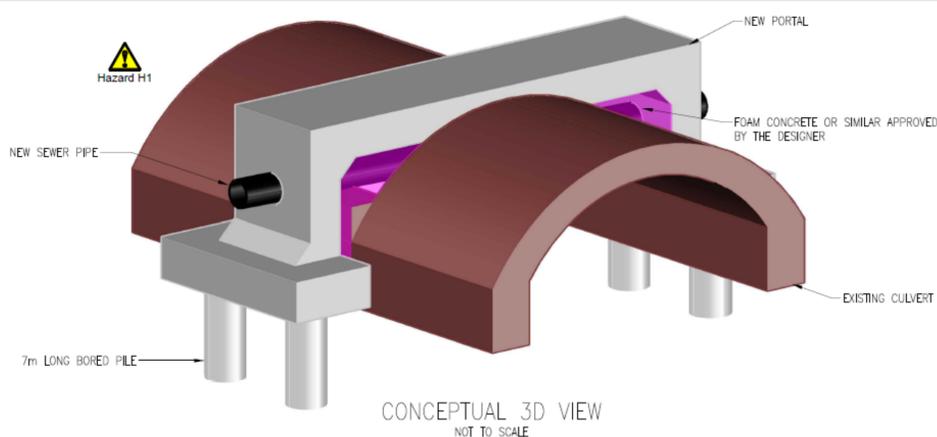
# 8) (c) Culvert Crossing

## Harbour Street / Barmore Road

- There are existing Thomas Telford dry stone culverts that the new sewer has to cross over



- To do this we have agreed with Traffic Scotland to construct a beam over the culvert to support the traffic while protecting the structural integrity of the culvert.



- We require to construct the beams over two culverts.
- We require to pile deep foundations 7m deep at these locations to support the beams. This will involve a large rig to be set up.
- The flowerbeds at the junction will be removed and rebuilt. This is to keep the road open during this phase.





**Scottish  
Water**

Trusted to serve Scotland

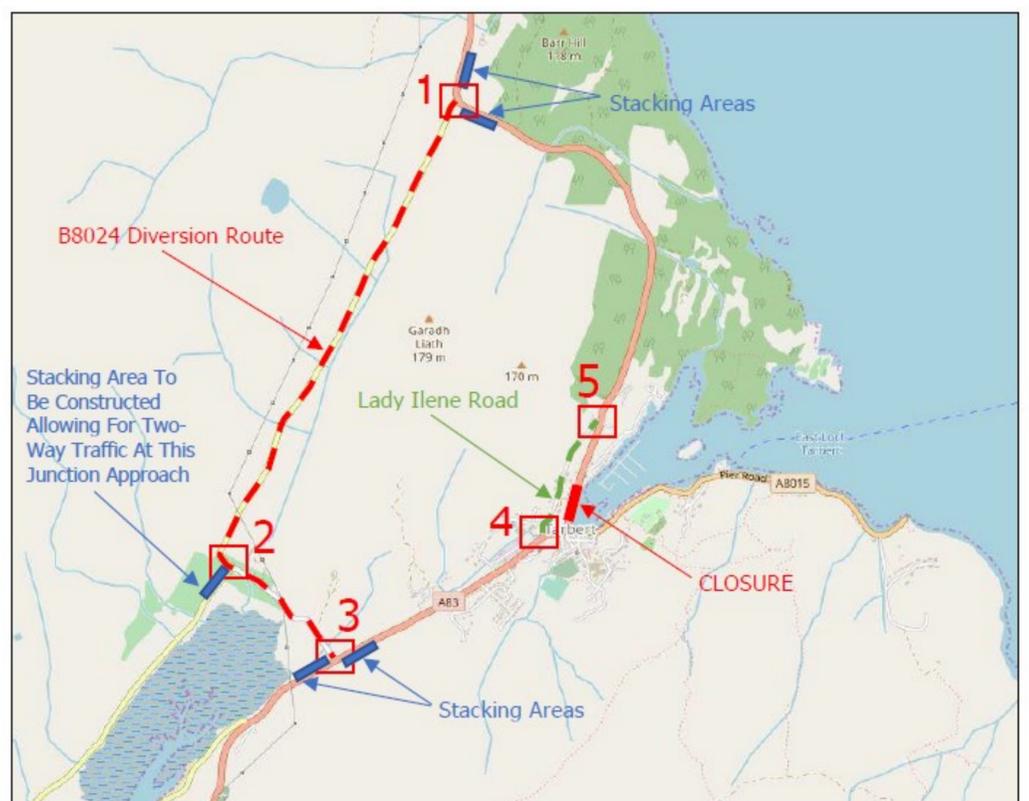
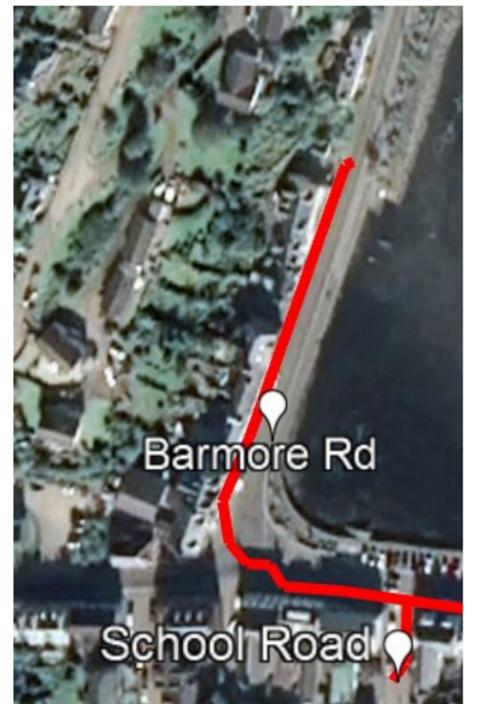
## 8) (d) Barmore Road

**.5 months duration**

**.Road closure required for two weekends**

**ROAD  
CLOSED**

- We need to divert a watermain first to make space for the new sewer
- We need to install 300mm diameter sewer and manholes in School Road.
- The road will need to be closed for 2 weekends to tie in to the existing sewer that is located in the middle of the road.
- We shall be working 24hr during the weekend closure to ensure the road is reopened as quickly as possible.
- We will send advance notification to the community and transient population before this phase is due to commence
- The diversion route is shown on the plan on the right. A convoy system will be in place.





**Scottish  
Water**

Trusted to serve Scotland

## 9) Keeping in touch

**Scottish Water are committed to keeping you and the local community fully informed and engaged with the work we are doing. We shall write to you in advance of each phase and post further information on the project website.**

We hope today's event has given you an understanding of our work and an opportunity to discuss any questions or concerns.

Scottish Water is a publicly owned company, accountable to the Scottish Parliament and the people of Scotland. We operate within a strict policy and regulatory framework, but we are making this investment for our current and future customers in this area. We are keen to work with you to minimise any short term disruption this involves.

### Volunteering programme



Every Scottish Water employee can take up to 2 days a year to get involved in education, conservation or community activities.

Get in touch if there are volunteering opportunities locally that you think could benefit from our support.

We would be pleased to receive your feedback on today's event. You can keep in touch at any time using these details:

Website: [www.scottishwater.co.uk/tarbert](http://www.scottishwater.co.uk/tarbert)

Email: [help@scottishwater.co.uk](mailto:help@scottishwater.co.uk)\*

Call: 0800 0778 778\*

\*Ref: Capital/500655/aBV