



**Scottish
Water**

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Welcome

Thank you for attending today's information event about our proposed investment in the sewer network in Stewarton

We have information on: -

- Why the investment is needed
- What is proposed
- Where work is proposed to take place
- The approximate duration of the work
- How you can keep in touch

This is a £12m investment (latest estimate) in the waste water infrastructure to help prevent flooding in Stewarton and improve the environment of the Annick Water. The work will be carried out by Caledonia Water Alliance (CWA).



We held a public information event on 13th February 2024 to inform you about the investigation works and now hold our second event today to let you know about the mains works.



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Improving Urban Waters - Stewarton

Scotland's water quality is at its highest level since the first Water Framework Directive classification in 2009, with 87% of waterbodies now achieving at least "good condition".

At Scottish Water we're always working hard to find ways of improving our services for customers and communities. We're committed to bringing urban waters to an even higher standard and we're carrying out improvements and upgrades to our sewer infrastructure across the country to achieve this.

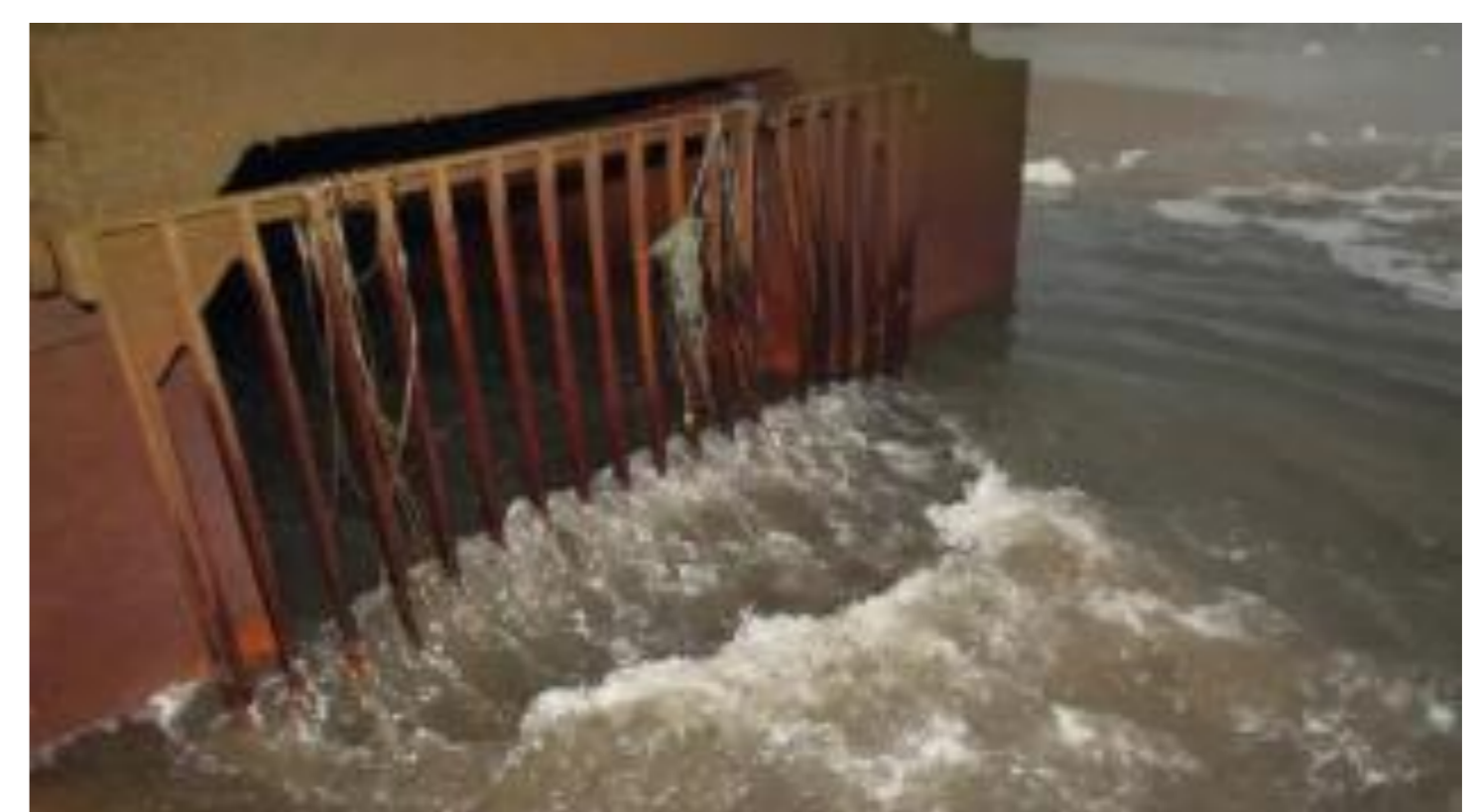


Did you know – Scottish Water's Improving Urban Waters Routemap has been developed and is available to view at Scottishwater.co.uk

Annick Water

The proposed investment will help: -

- **Alleviate flooding in Stewarton**
- **Significantly reduce sewer related debris in the environment**
- **Reduce discharges from the sewer network**
- **Provide us with more reliable monitoring and reporting data**





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Improving Urban Waters—Stewarton

Did you know – Rainfall is projected to increase significantly in the next 30 years?

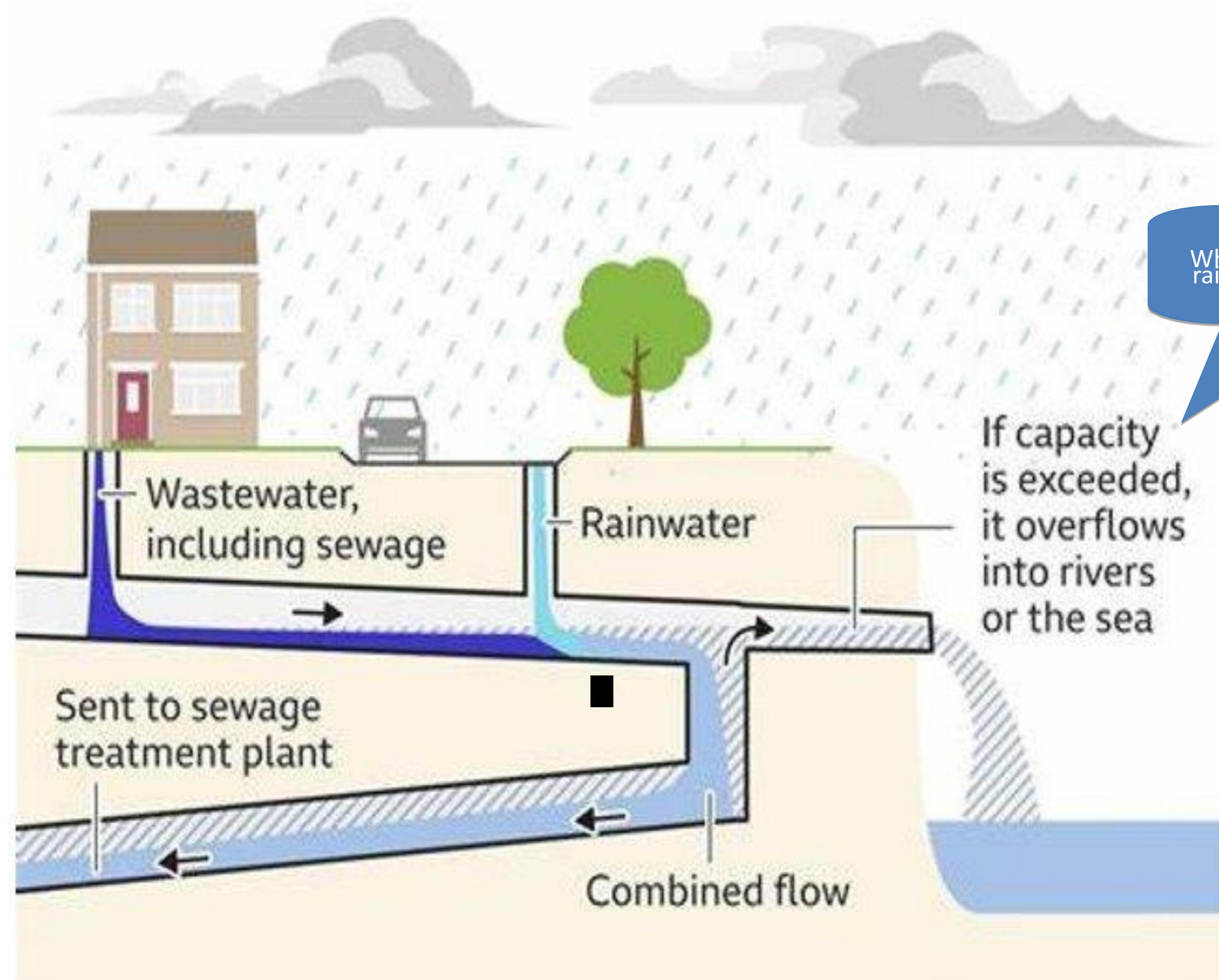
What is a Combined Sewer Overflow (CSO)?

A combined sewer overflow is an essential part of the sewer network. It is a vital piece of infrastructure which acts as a relief point, helping to reduce the risk of properties and streets being flooded during storm events when pipes become full or when issues occur. CSOs are licensed by Scottish Environment Protection Agency to spill under certain conditions, and we work hard to comply with these licences.

CSOs are designed to release pressure on the network from rain using overflows to rivers and the sea.

When there are overflows from a rain storm, less than 1% of this is waste water from toilets.

CSOs are licensed and regulated by SEPA



Did you know:
When there are overflows from a rain storm, less than 1% of this is waste water from toilets.

CSO Myth Busters

- CSOs are not pumping or dumping raw sewage into the rivers or sea.
- Water discharged from a CSO during intense rainstorms is very dilute, with less than 1% waste water from toilets.
- Discharges consist mainly of run-off from roads and roofs, and grey water from household appliances.
- Many factors contribute towards water quality in rivers, including pollution from agriculture, urban and industrial pollution and private sewage systems.
- We cannot simply get rid of CSOs – they are there to safely carry flood water away from homes, businesses and roads.



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Improving Urban Waters—Stewarton

We've identified a number of locations on Stewarton's sewer infrastructure where improvements can be made:

- **In Land off Kirk Glebe** – we propose to construct a brand new CSO
- **Kirkford Bridge CSO replacement** – we propose to replace and upgrade the existing CSO at the junction of Cutstraw Road / Holm Road
- **Barbour's Park CSO** – we plan to construct a brand new CSO and underground storage tank to create greater capacity in the sewer pipework.
- **Bridgend / High Street** – we propose to upsize the combined sewer pipework, creating greater capacity and a create brand new CSO



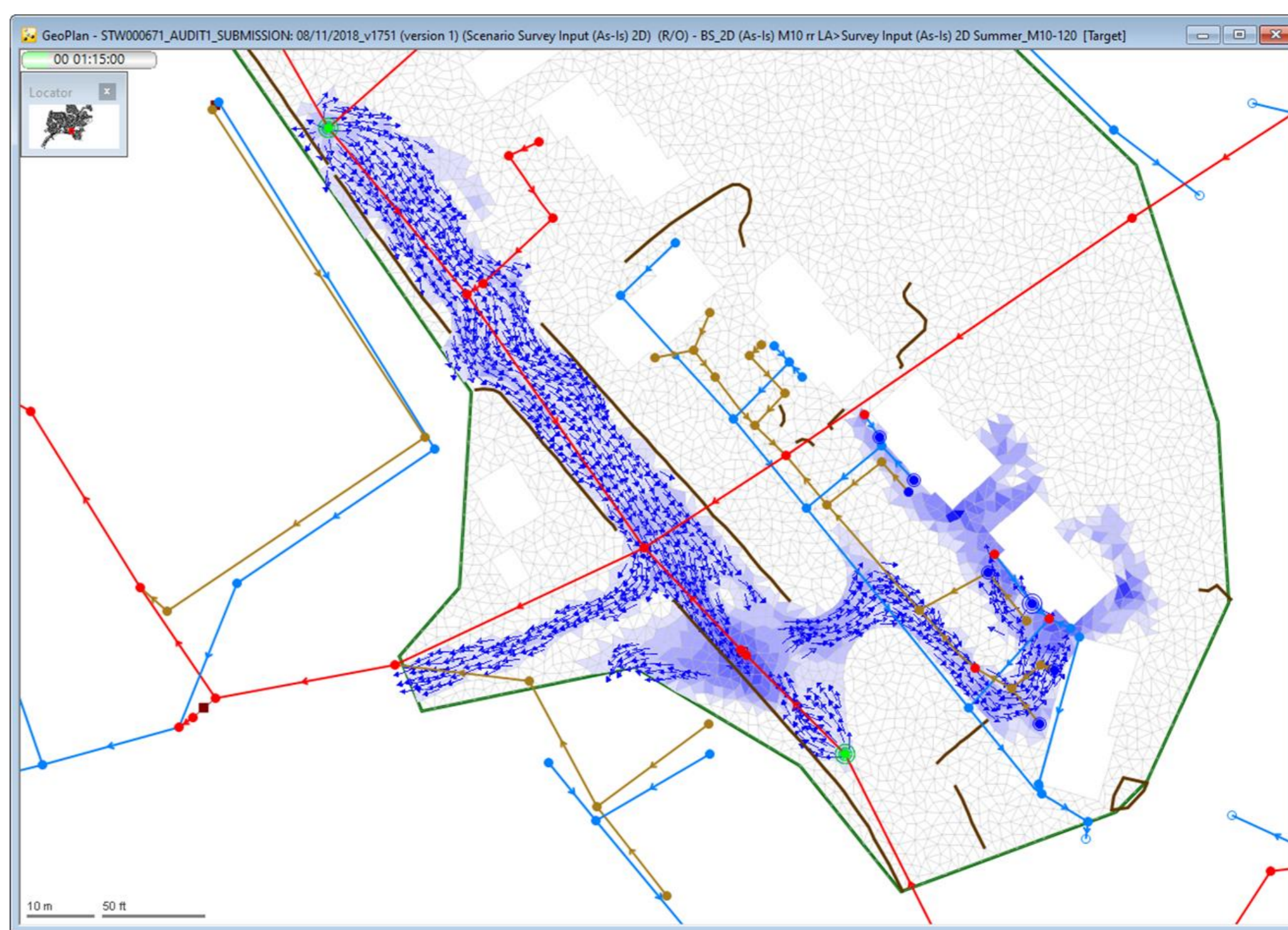


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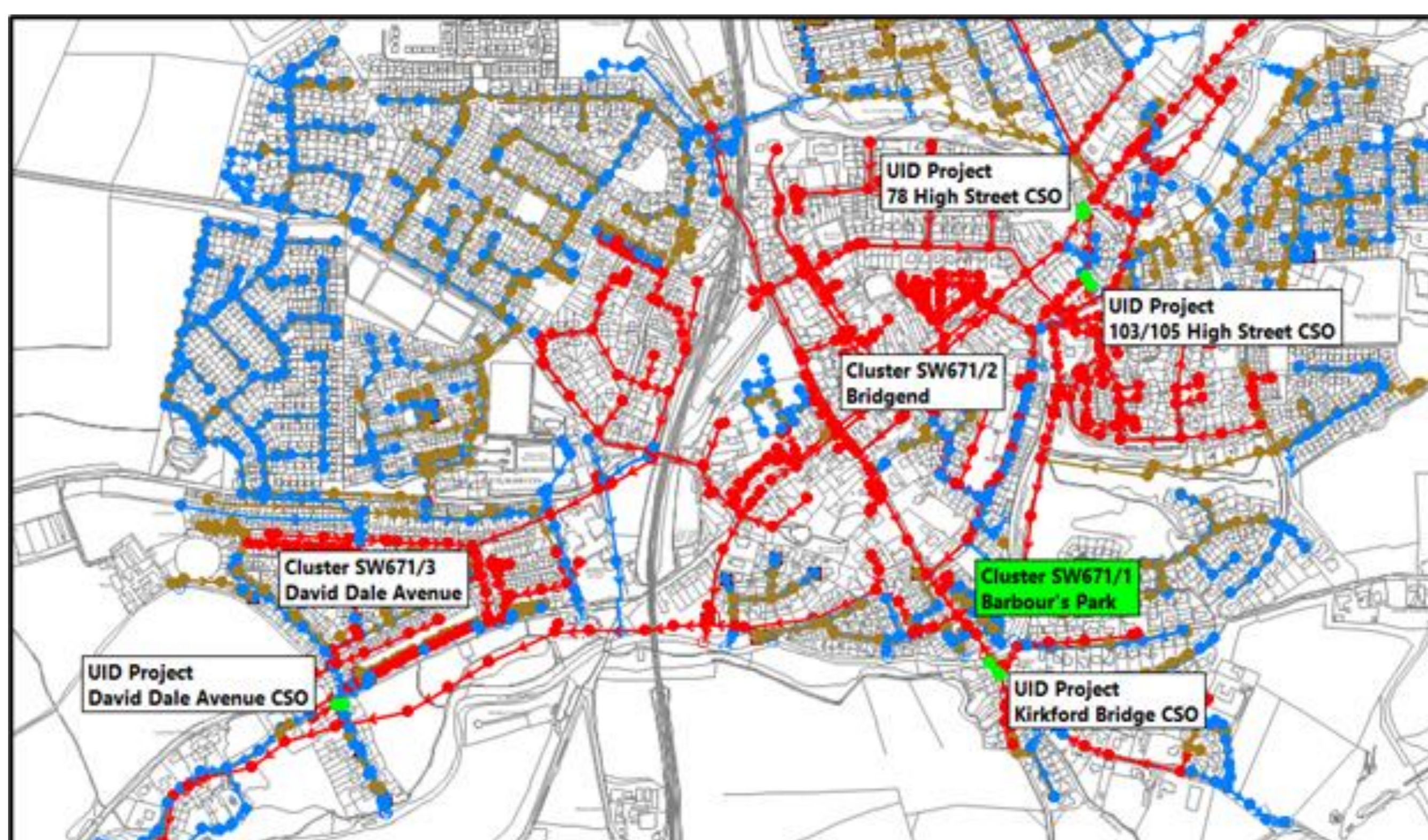
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Why are we doing it?

Flooding has occurred at multiple places in Stewarton.



We have modelled the sewer network in various storm simulations and developed up solutions to help alleviate flooding in Stewarton.



We carried out investigation work in early 2024 to help us design up the proposed solutions.



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Investigation stage

Investigation work took place between February and April 2024 at various locations in Stewarton.



A bore hole drilling rig was used in Barbours Park in February 2024 to take a core of the rock strata to understand the ground conditions.

This work helped us understand more about the rock strata and confirm locations of existing utilities to enable us to create the detailed design for each solution.



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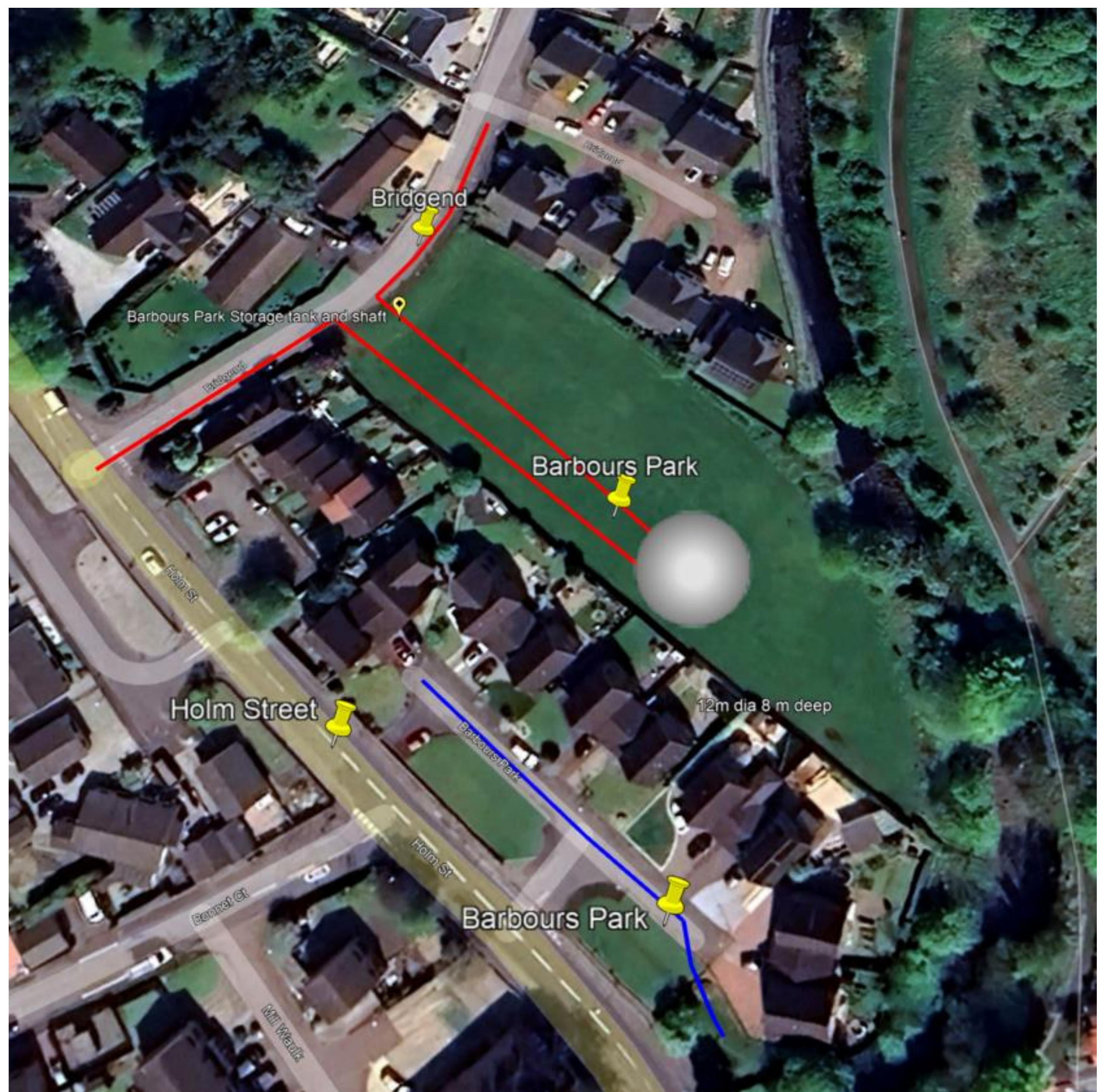
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Barbours Park

We propose to redirect the storm flows from sewers that are overloaded to a new underground tank in Barbour's Park. This tank will store the waters during storms to help prevent flooding.

Once the storm has subsided, the storm water is then pumped back into the sewer network when it is safe to do so.

The solution has been designed using evidence from previous heavy rainfall events and using a computer model on the existing sewer network. Working together with East Ayrshire Council, the park was identified as the most suitable location to accommodate the large underground tank. Once complete, the park will be reinstated. New large sewer pipework is also needed in neighbouring streets.

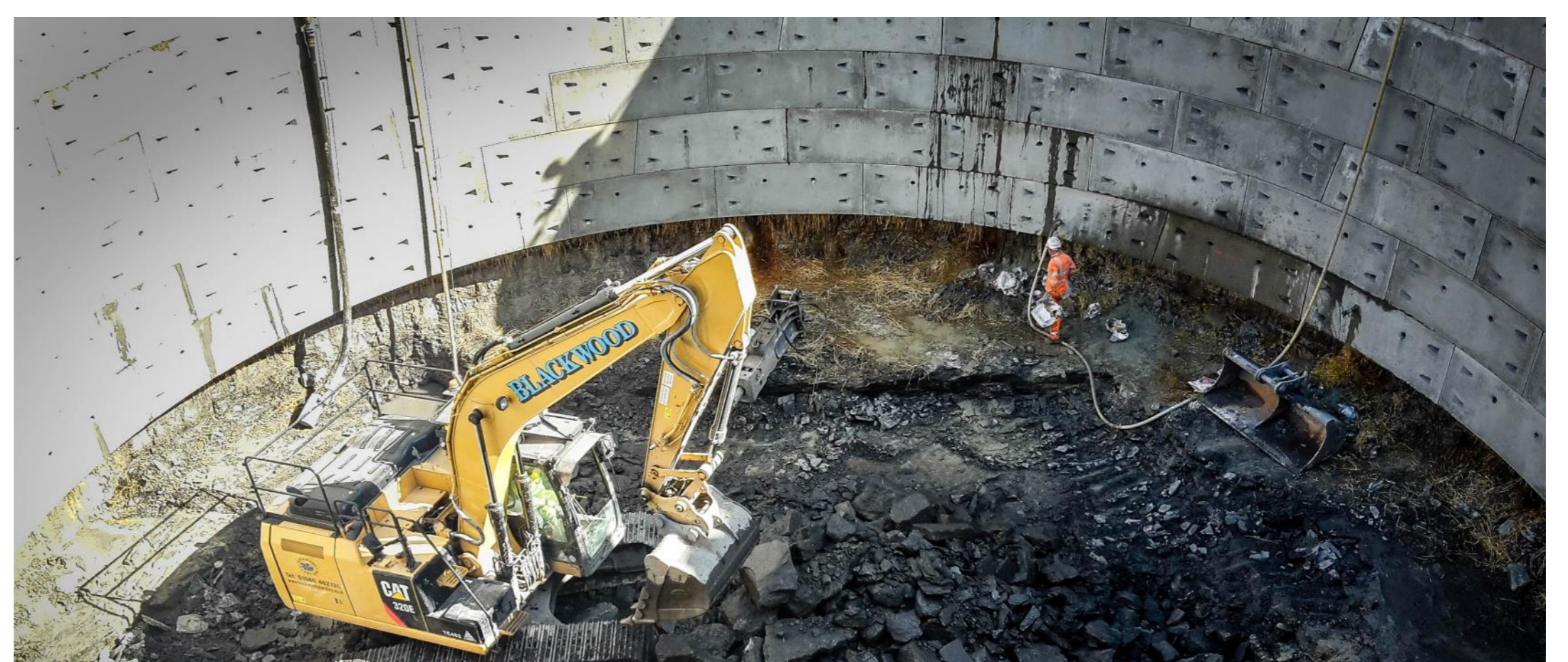
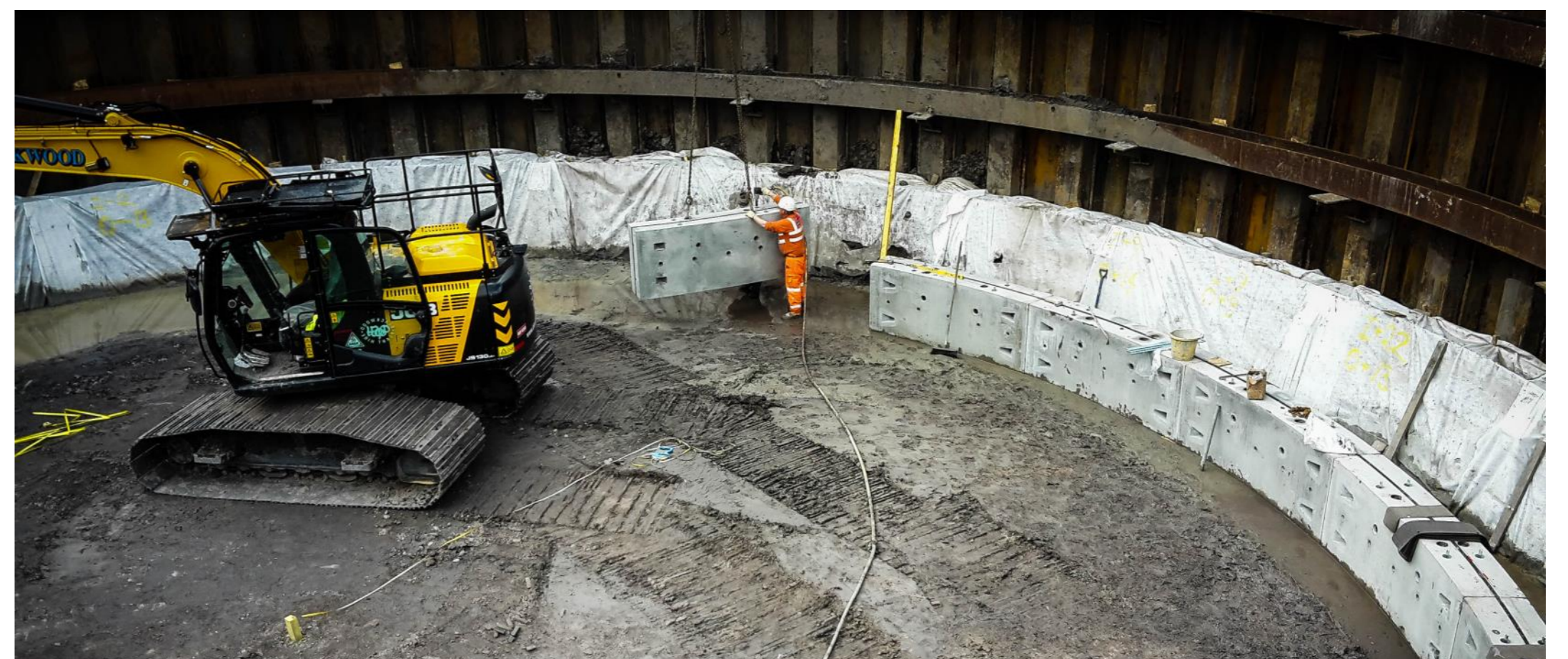
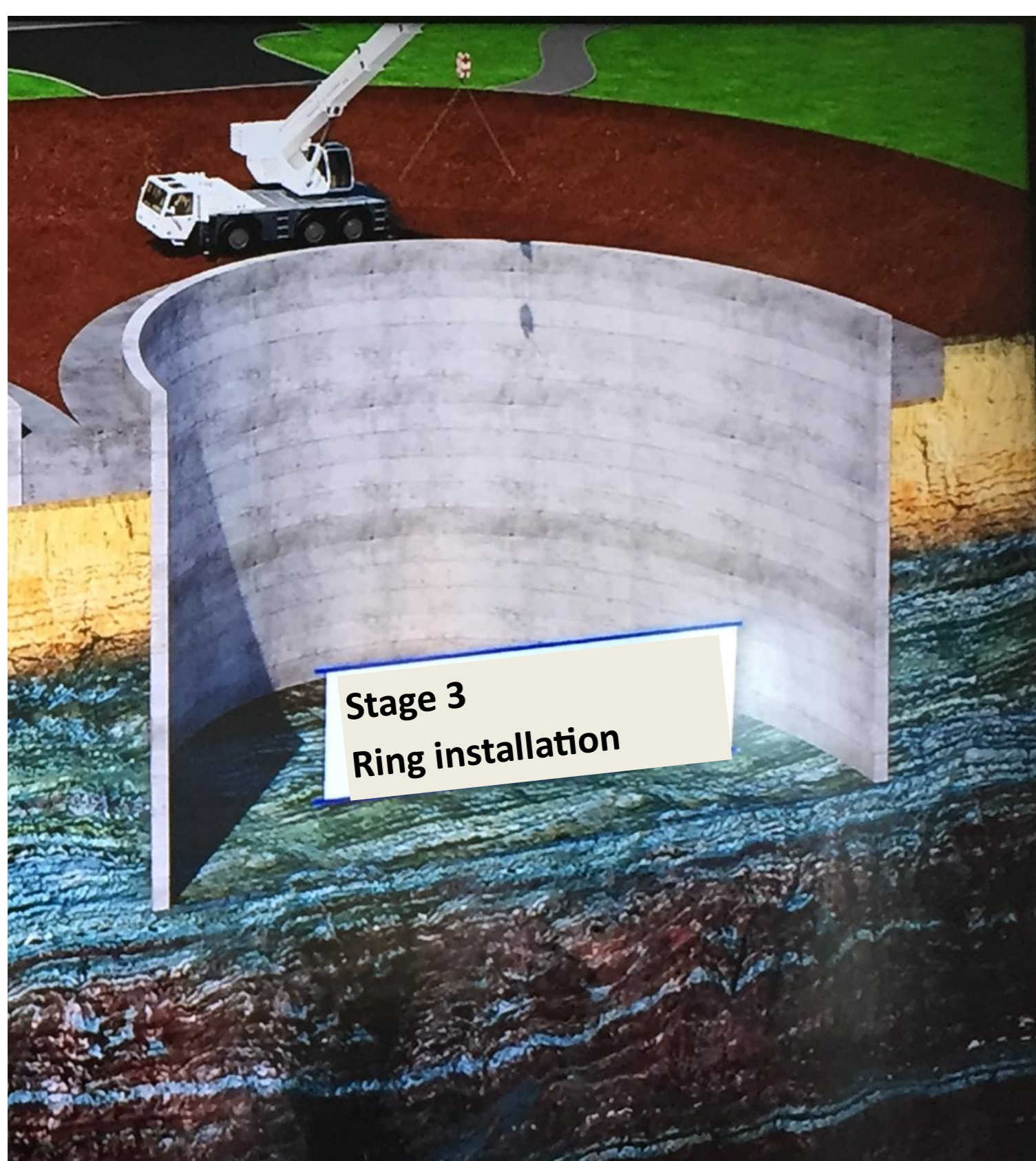
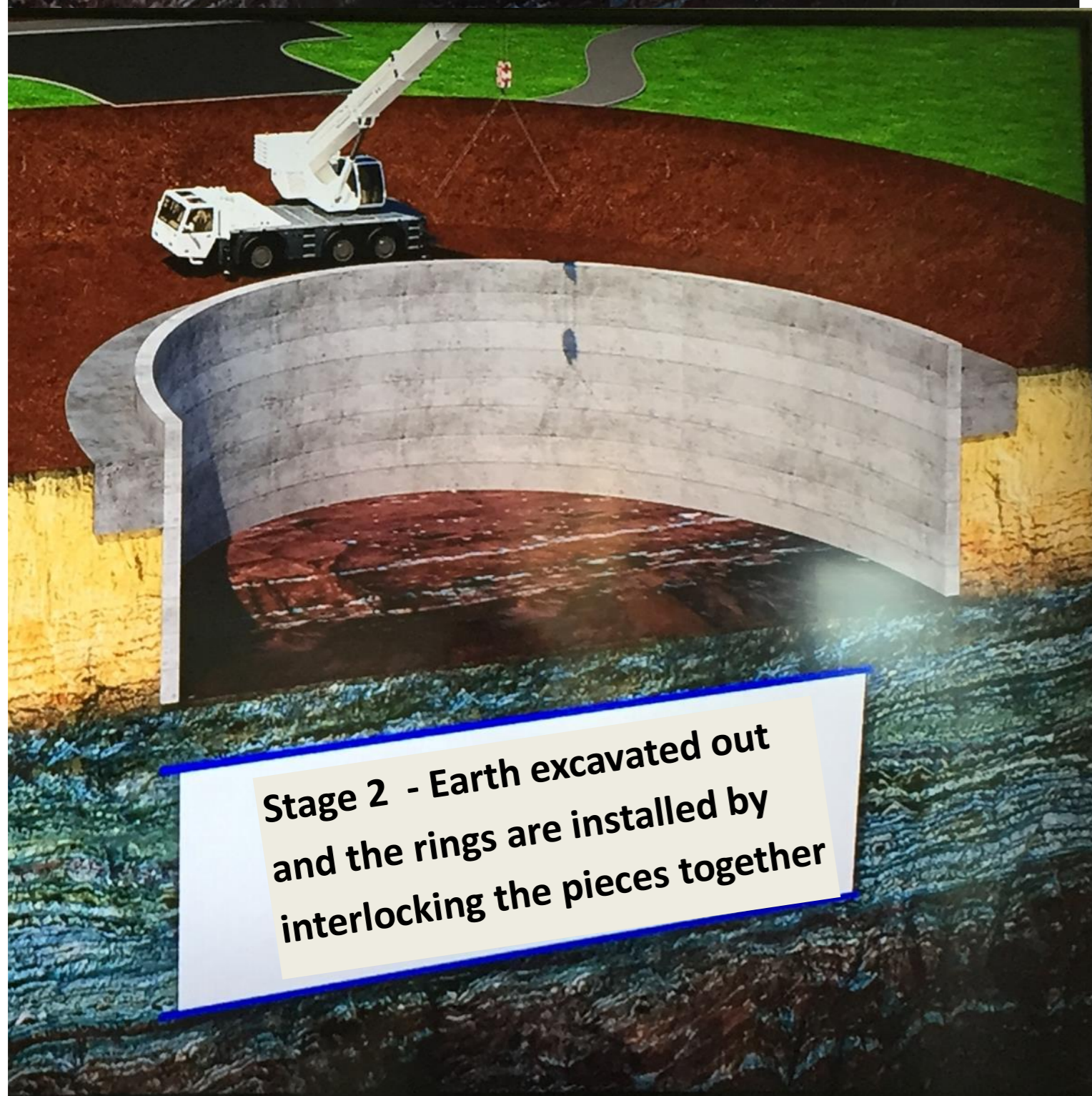
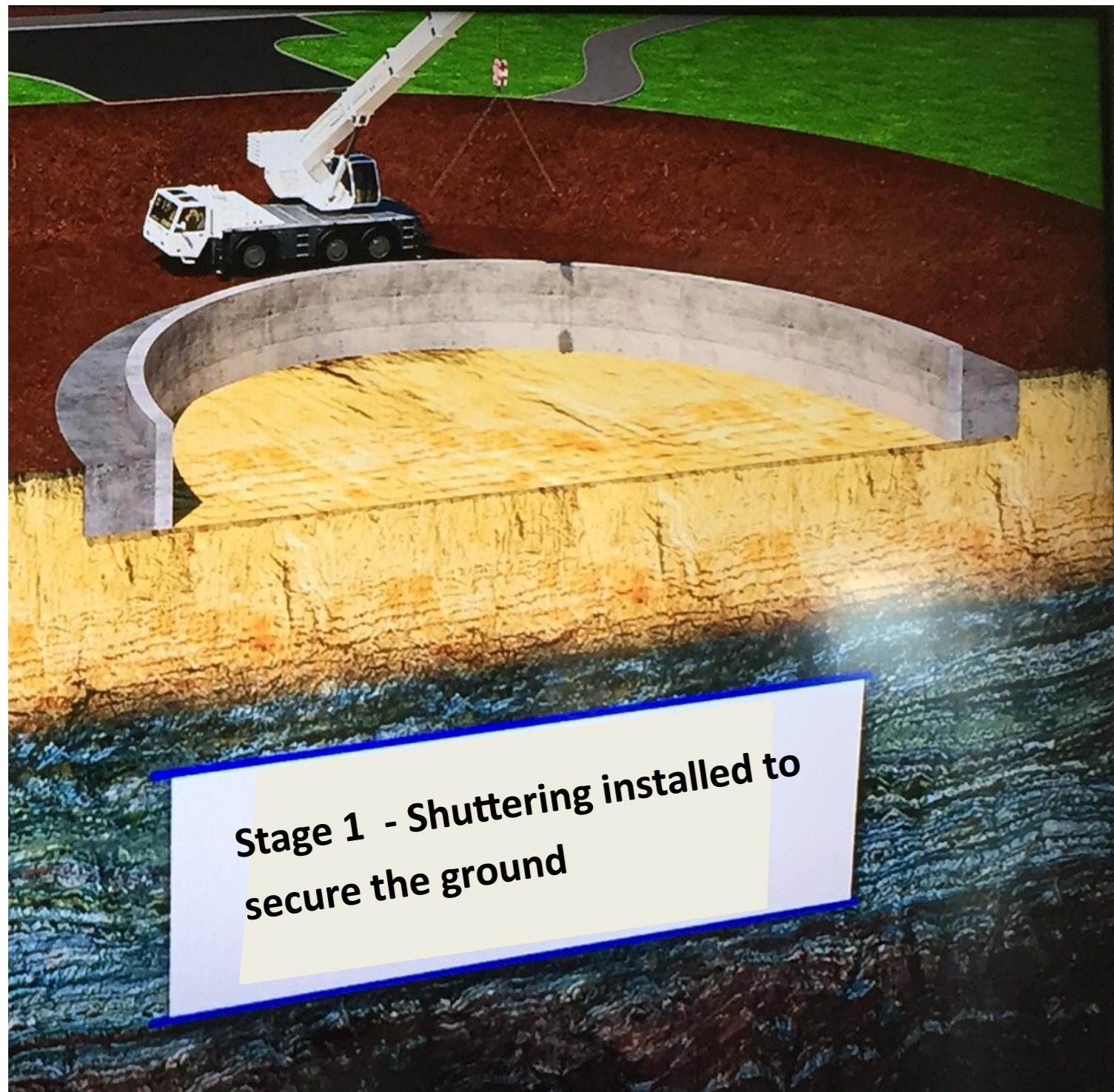




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Storm Tank construction



**CALEDONIA
WATER ALLIANCE**



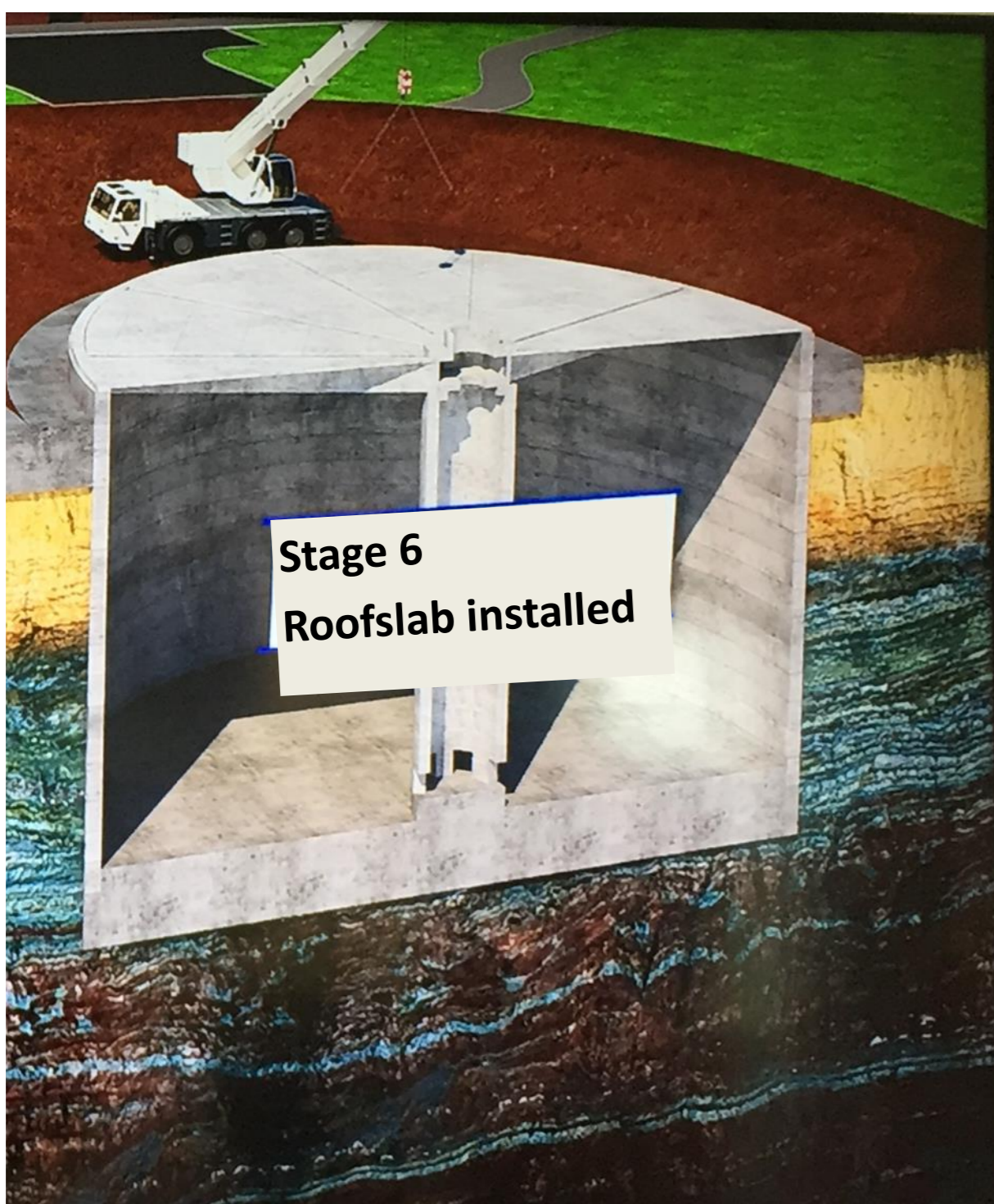
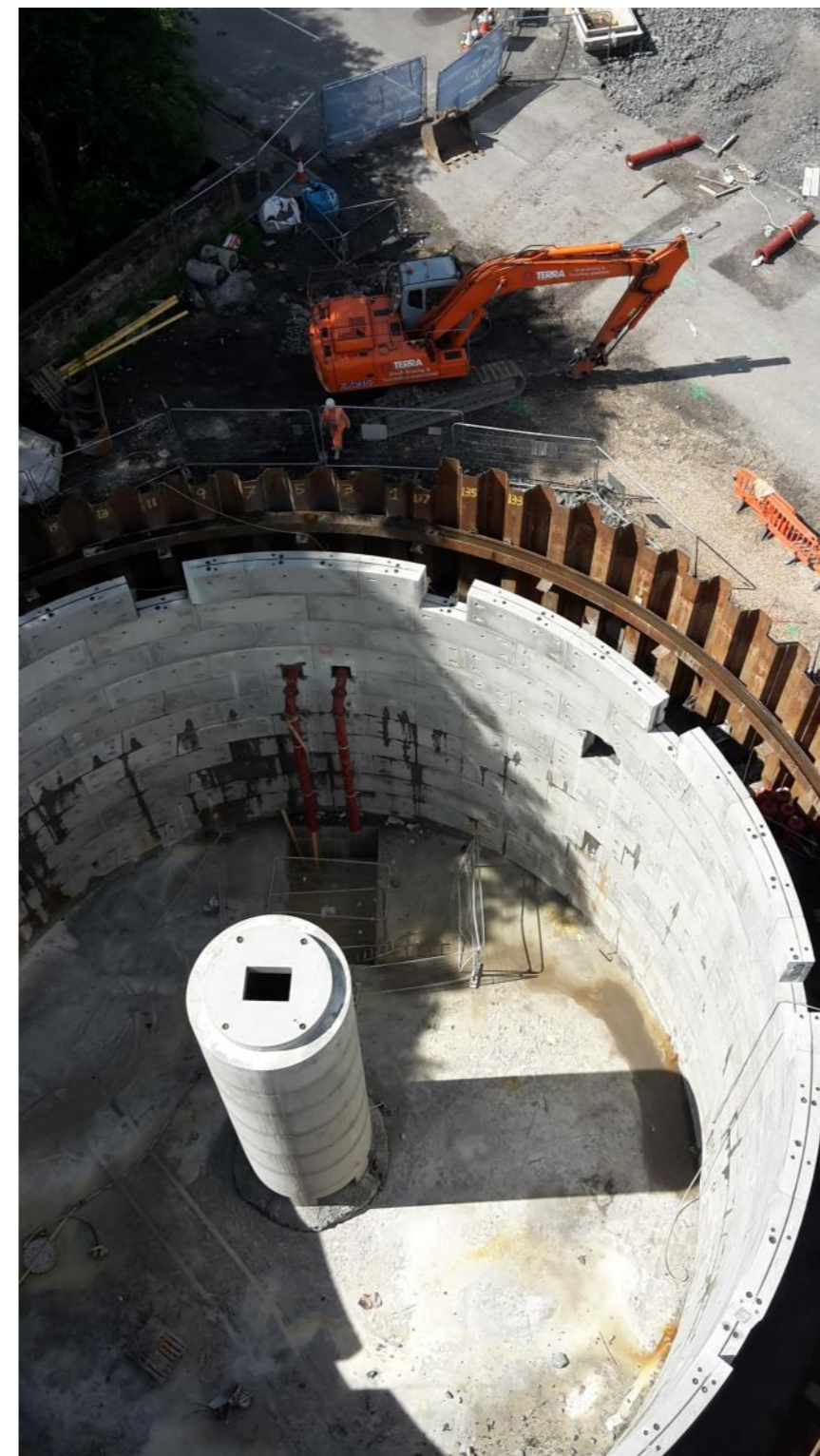
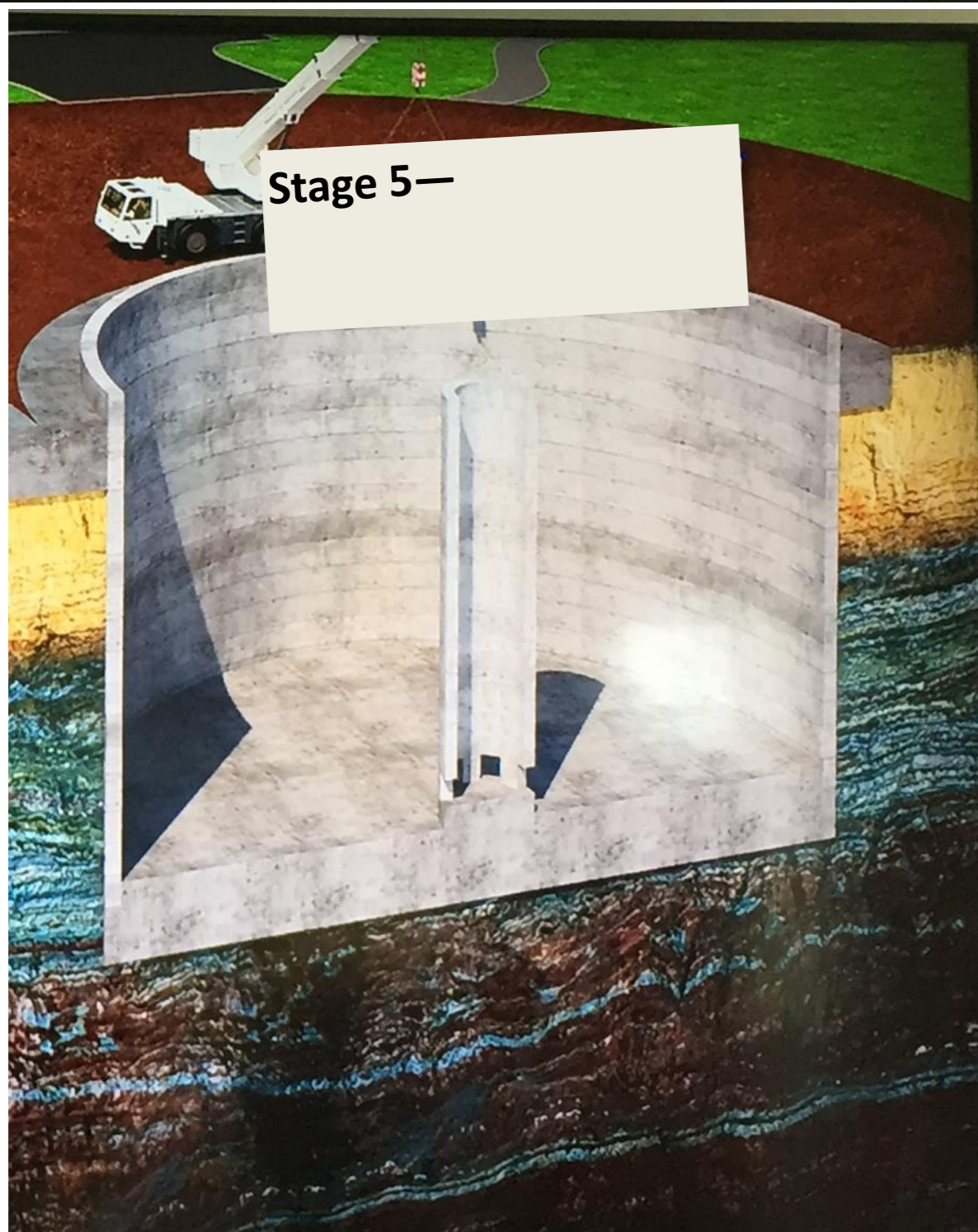
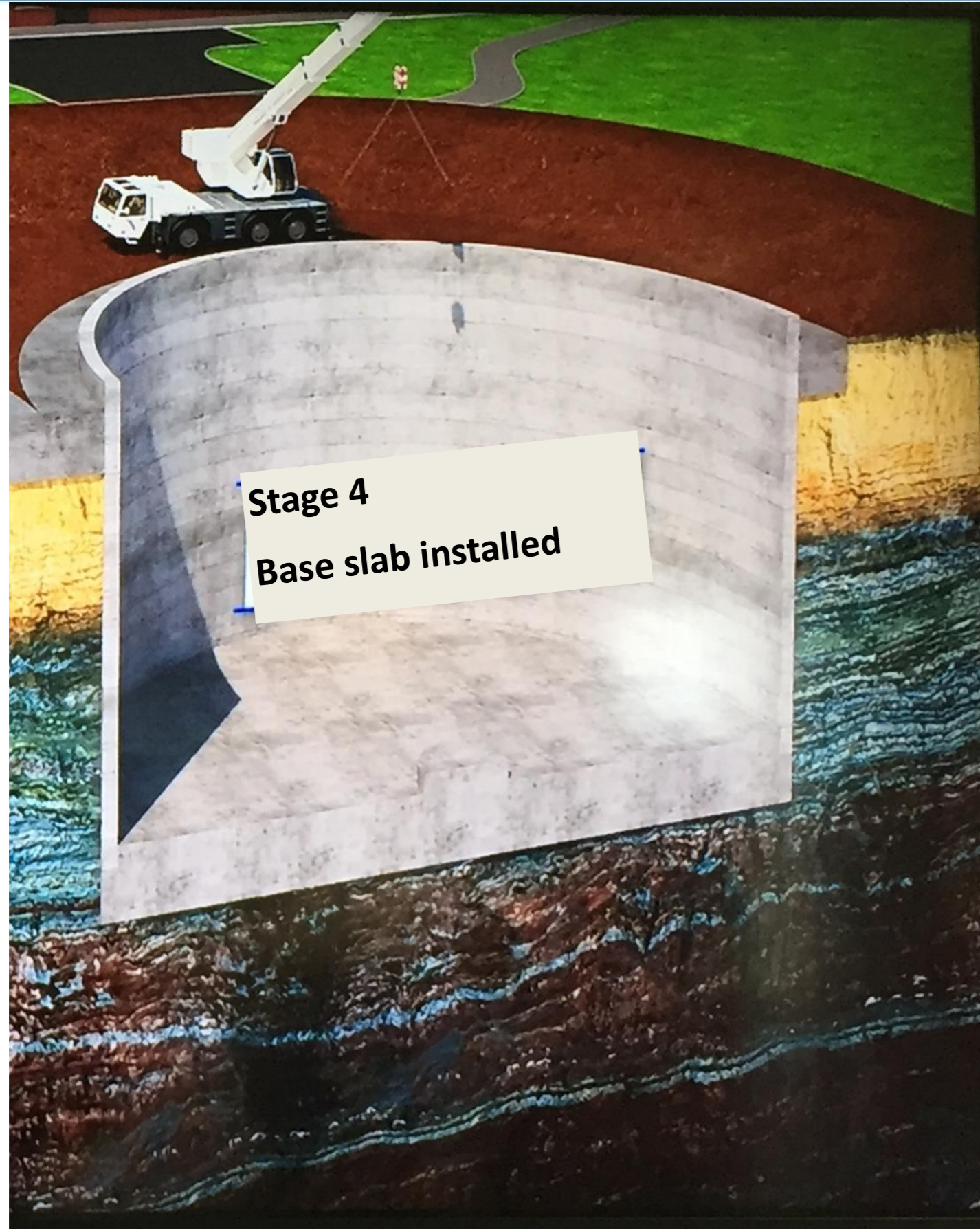
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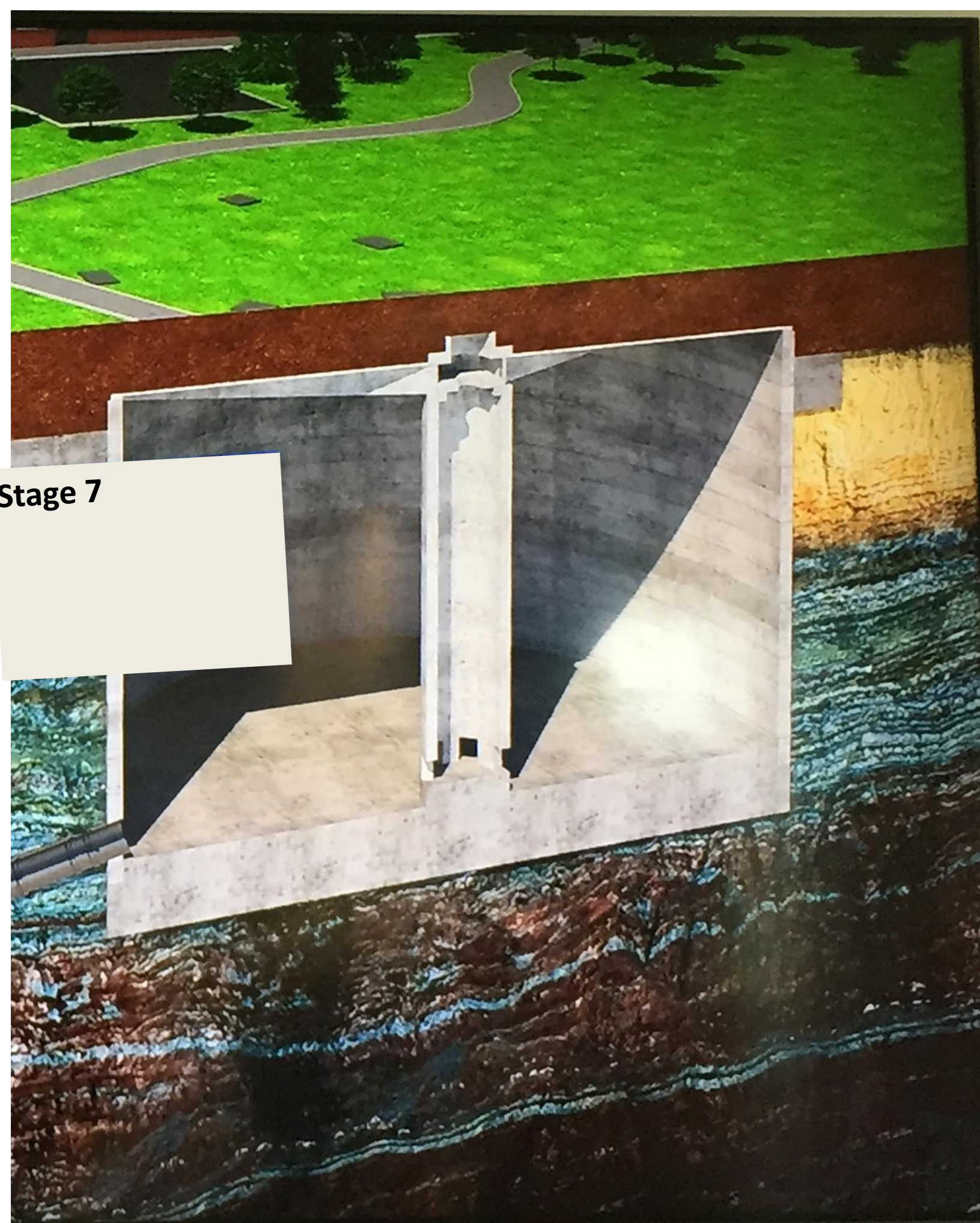




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Storm Tank construction



Stage 7

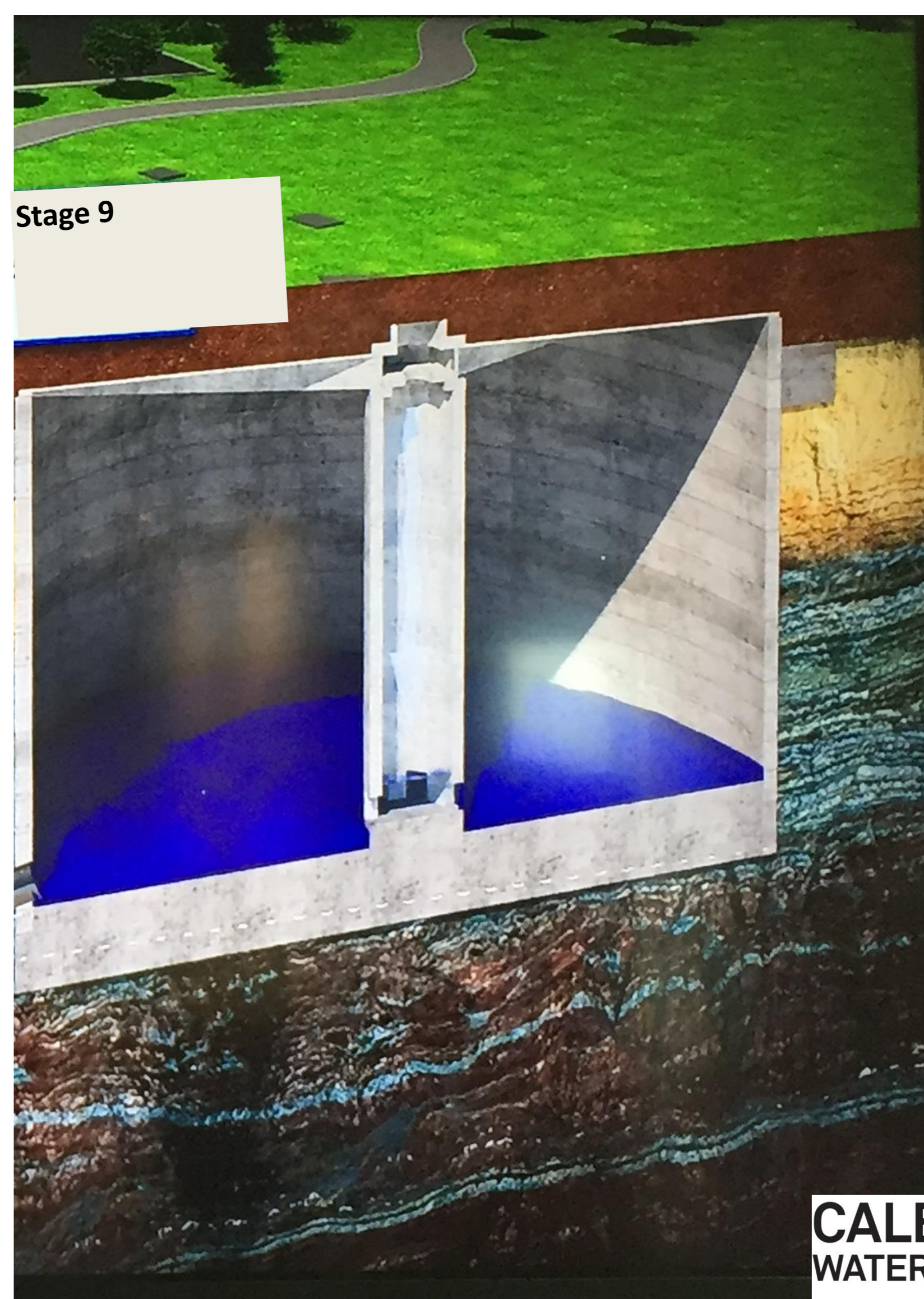
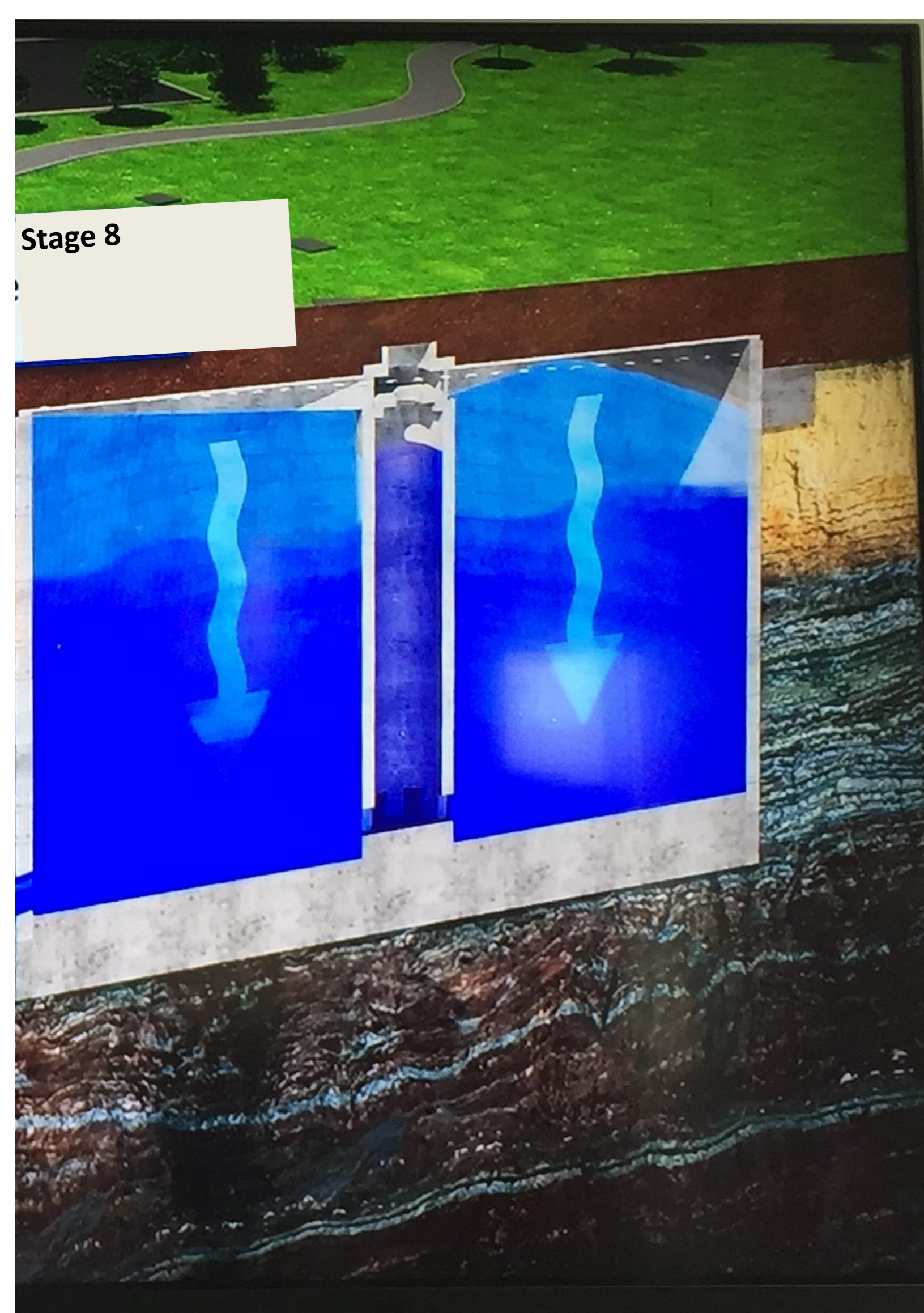
Area backfilled over the tank and landscaped.

Stage 8

Storm waters are directed to the tank via the new pipework. The tank fills up during the storms.

Stage 9

The storm waters are pumped back into the sewer network after the storm has subsided when it is safe to do so freeing up capacity for any future storm events.



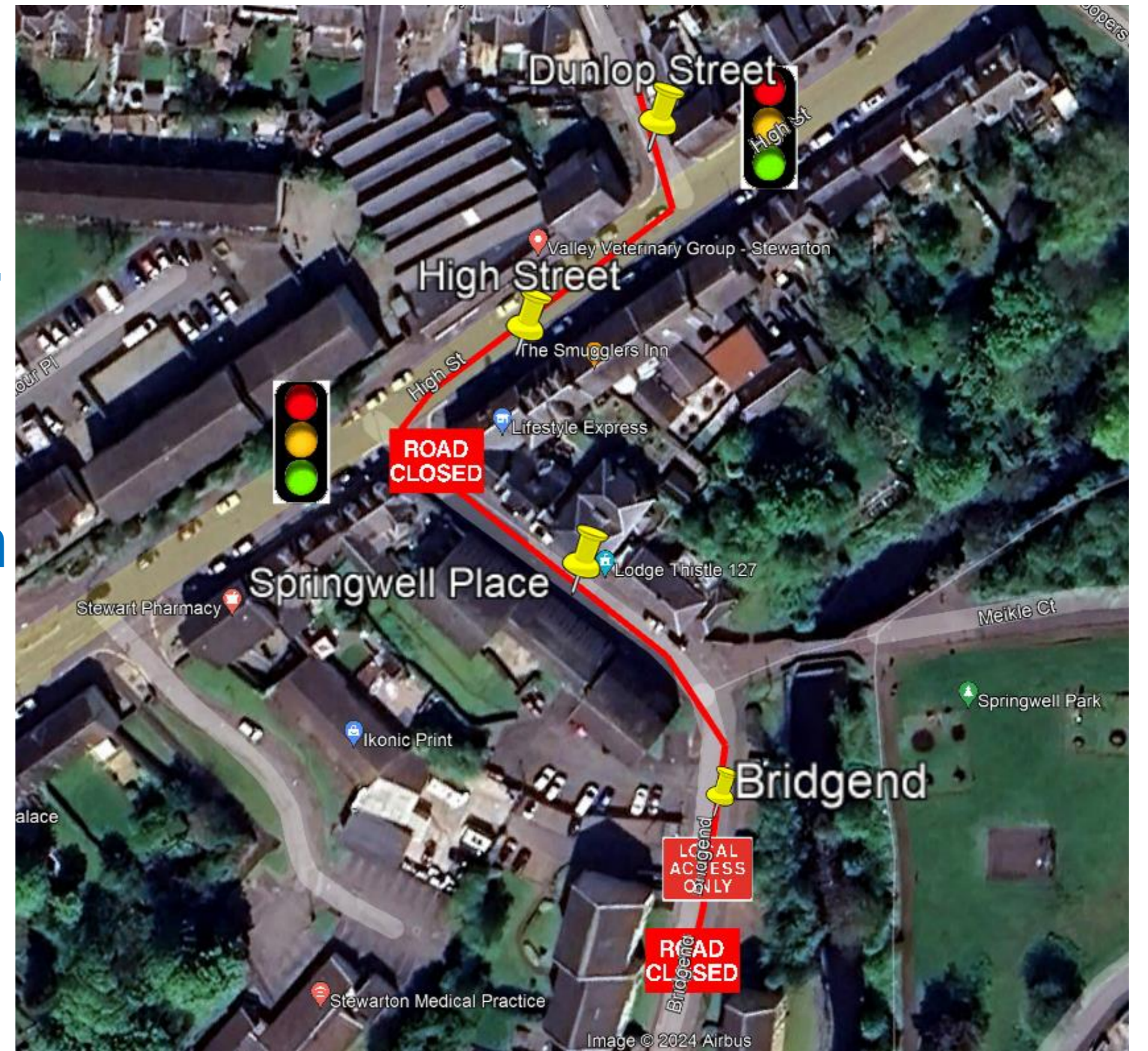


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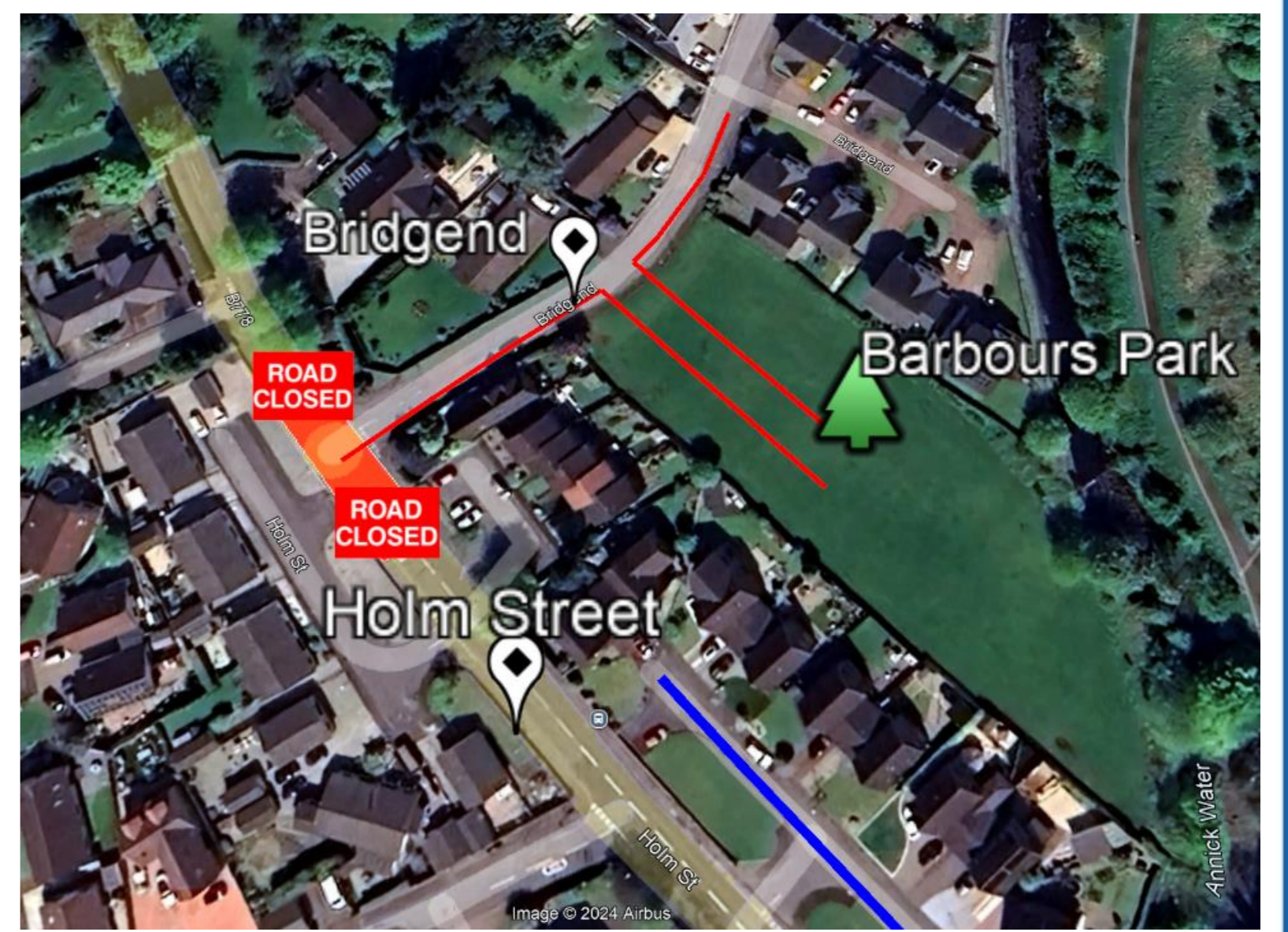
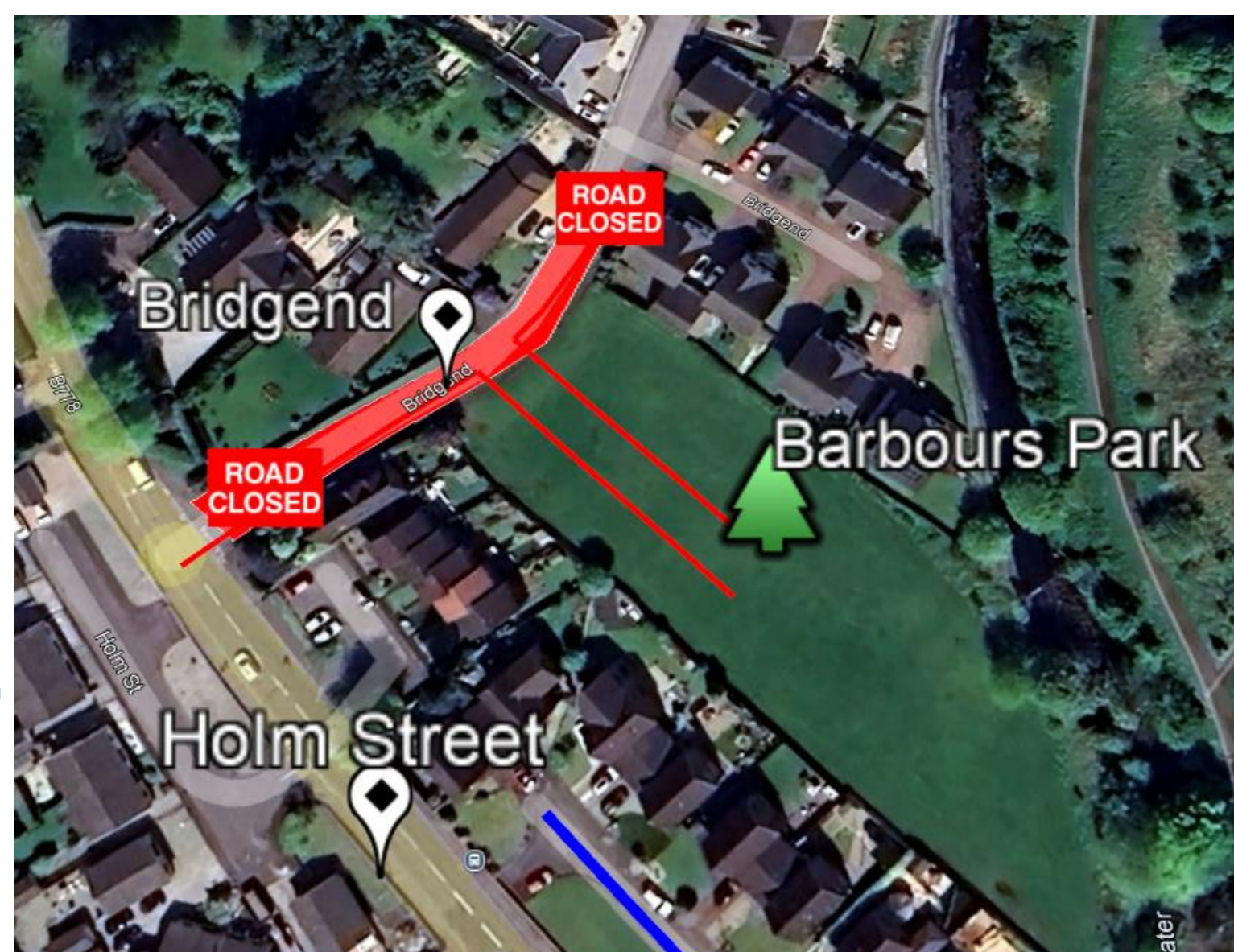
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High Street / Springwell Place

- **High Street / Dunlop Street / Springwell Place / Bridgend** – We require to upsize the sewer pipes, creating greater capacity and a create brand new CSO.
- We require to carry further investigation work on Springwell Place. Springwell Place will be required to be closed to vehicular traffic from 7th October for 8 weeks. The investigation work will then move to High Street with two way temporary traffic lights in place near Springwell Place and Dunlop Street. Parking restrictions will be in place on High street.



- Detailed design will then carried out. We are aiming to start the main project in February 2025, lasting for approximately 5 months under temporary traffic lights.
- **Bridgend / Holm Road** – We will require to lay new pipework to connect to the new tank in Barbours Park. The pipe work will be laid from no 4 Bridgend to connect to the park and also from Holm Road. Bridgend road will be closed to vehicle traffic for approx. 2 months. A road closure to vehicular traffic is also required at the junction of Holm Street / Bridgend for 3 weeks. This work is provisionally planned for January/ February 2025.



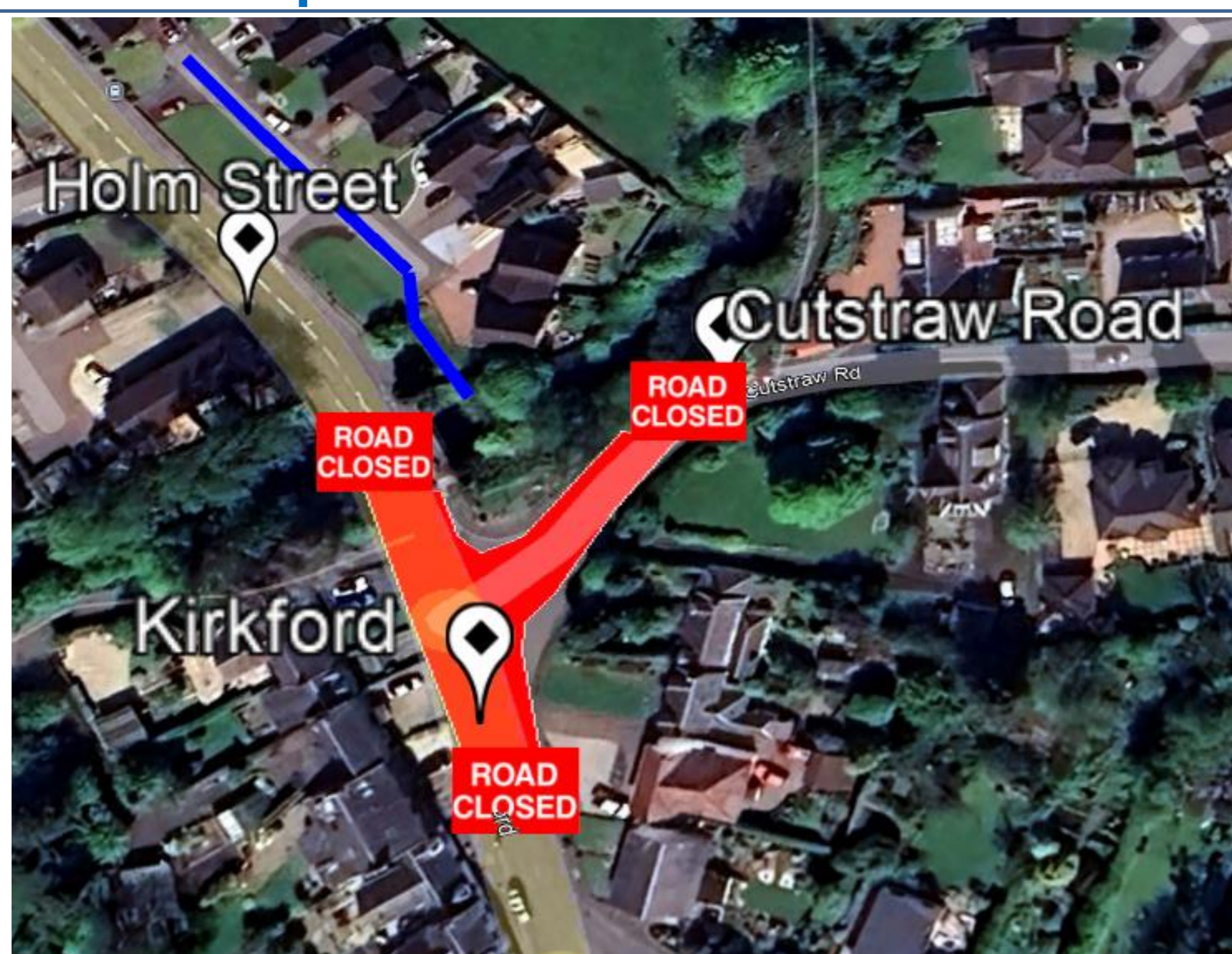


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Kirkford Bridge /Cutstraw Road

- **Kirkford Bridge CSO replacement** – we require to replace and upgrade the existing CSO at the junction of Cutstraw Road / Holm Road. This is proposed to start in July 2025 and last for 2 months. This work has been planned with the council to take place during the school holidays to minimise the impact.

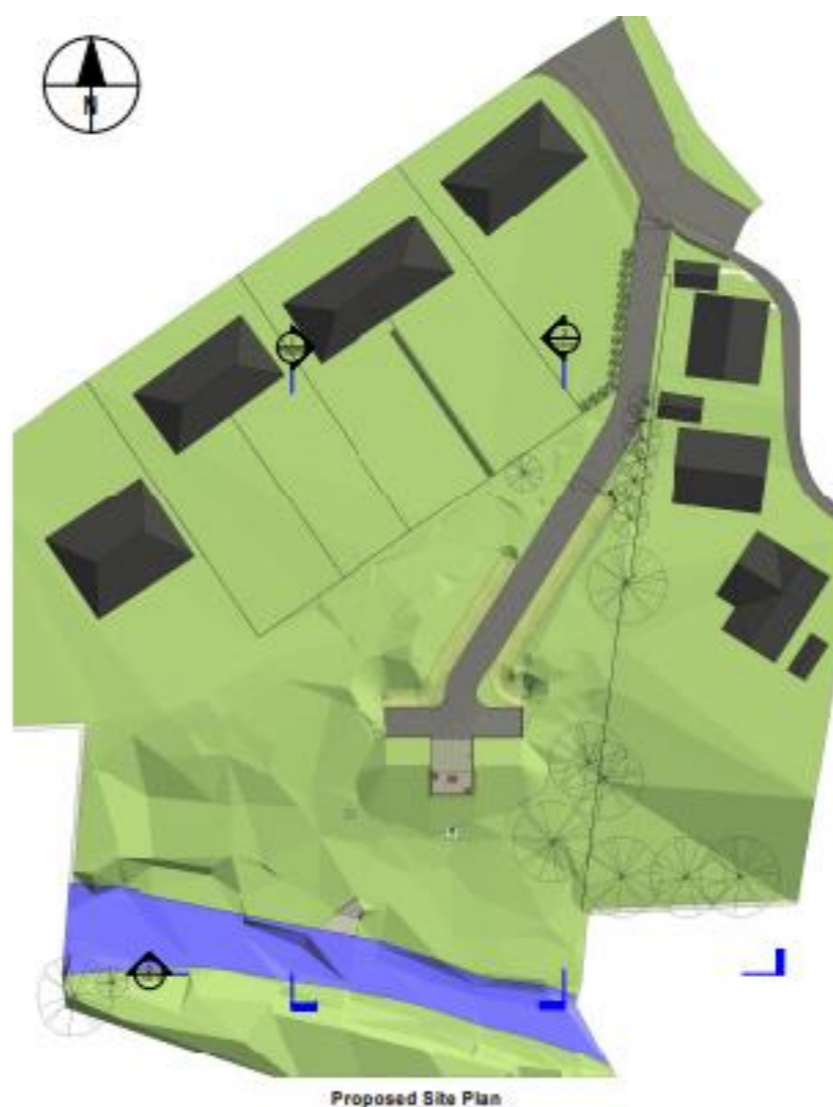


**ROAD
CLOSED**

Junction of Kirkford Bridge / Cutstraw Road / Holm Road is to be closed for 2 months from start of July 2025.

- **In Land off Kirk Glebe**

We propose to construct a brand new CSO in the land off Kirk Glebe. The proposals are currently subject to planning approval being granted. Our current proposed start date is February 2025. The work is expected to last 6 months.





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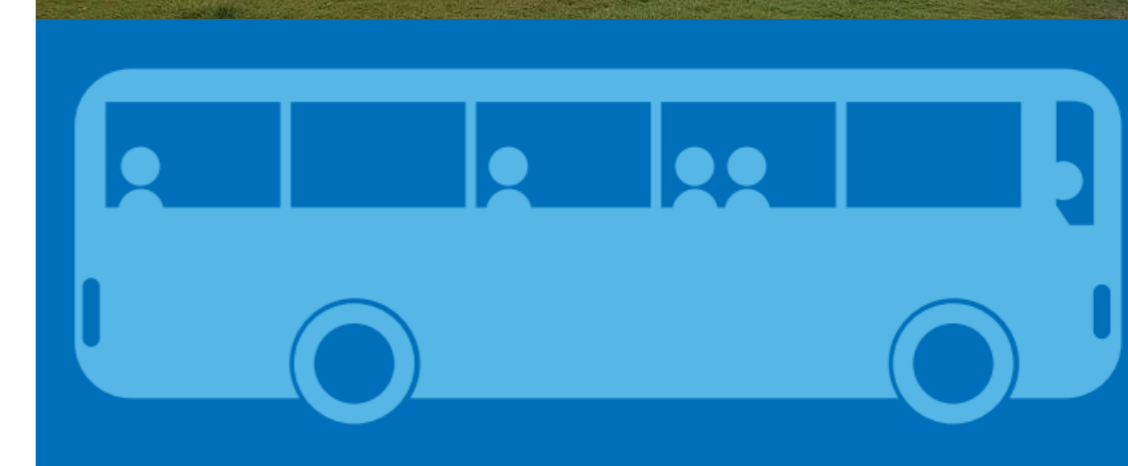
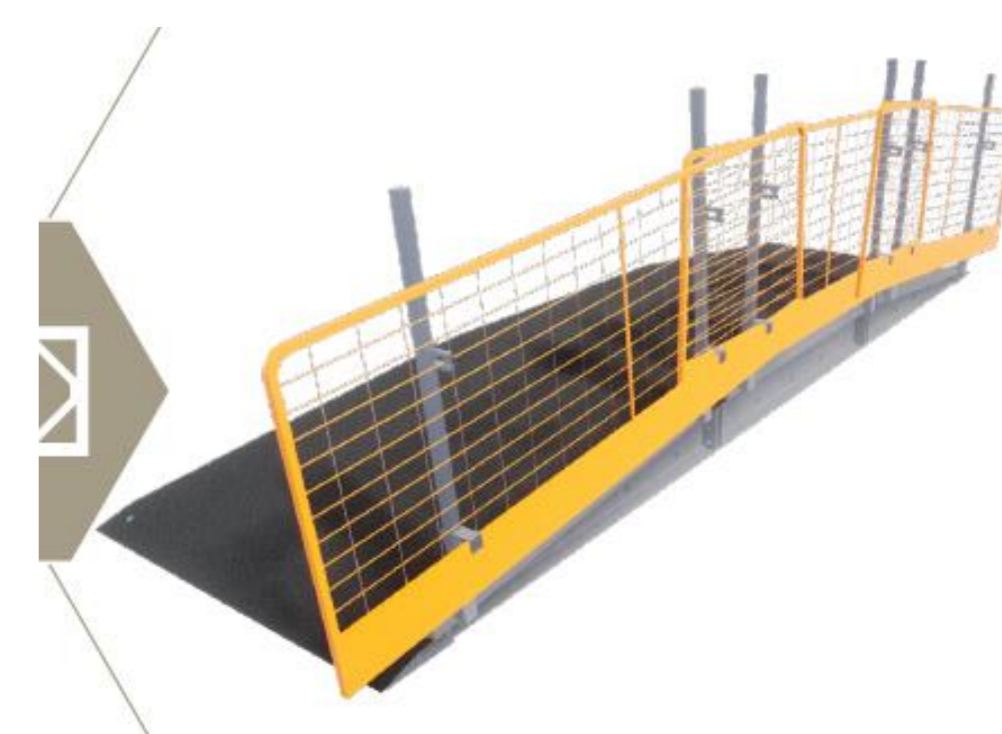
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Minimising the impact of the works

Scottish Water is working hard to future proof the waste water services for the Stewarton community and the proposed upgrade works will provide a huge benefit for the town and the environment, now and for years to come. We appreciate that construction works of this nature can cause some disruption to the community going about their everyday lives. We would really appreciate your patience and ask for your understanding while our delivery carry out these vital works as quickly and safely as possible. To help minimise any disruption as far as possible, we have planned in various mitigation measures, including: -

- **Noise** - Echo barriers will be placed around the generators to help reduce the noise impact.
- **Pedestrian Access** - Pedestrian access will be maintained around our work
- **Trees** -We may require to take some trees down near the river embankments. We will replace any trees taken down with 3 more trees. The replacement trees may be required to be planted in other locations away from the new infrastructure and in agreement with the council or land owner.
- **Site compounds**- We will write to you further with locations of the site compounds.
- **Working hours**—Our normal working hours will be between 8am-6pm Monday to Friday. We may require to work additional hours depending on works progress.

Buses - Some buses may be affected. Please check with your local bus provider for further information.





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Next steps



- We will keep in touch as our projects progress and will post regular updates on our dedicated webpage: - www.scottishwater.co.uk/stewarton

We will write to you two weeks before we start the work.

Our main Stewarton office is based in the Blackwood Plant yard (Cocklebie Farm/Dunlop Rd). We will have smaller satellite offices for individual sites.

