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# Welcome

## Thank you for attending today's event about our Montrose Investment Project.

With our alliance delivery partner, Caledonia Water Alliance (CWA), Scottish Water are carrying out improvements to the Wastewater Network in the Borrowfield area of Montrose to help prevent sewer flooding and help protect the environment.

The objectives of today's event are:

- To provide information on our investment and plans.
- To discuss how we can manage the impact of construction work.
- To answer questions and discuss any concerns

We have information on:

- Where this work will take place
- Why the project is required
- What this will involve
- The approximate duration of the work
- How to contact us should you have a query

If you have any questions/queries as our project progresses, please call our Customer Helpline on 0800 0778778 quoting Capital/Montrose/CWA



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# Project Overview

We will be working on Wastewater Network Improvements in a number of areas.

- 1. Borrowfield Park**
- 2. Newhame Road**
- 3. Newmanwalls Avenue**
- 4. Aulton Way**
- 5. Borrowfield Road**
- 6. Renny Crescent**

Works involve:

- 1. Borrowfield Park** – Construction of new large underground storm tank within Borrowfield Park with associated chambers and control kiosk.
- 2. Newhame Road** – New Sewer and connection pipework and chambers between Borrowfield Park and Newmanwalls Ave.
- 3. Newmanwalls Avenue** – New Sewers and associated chambers between Newhame Road and Aulton Way.
- 4. Aulton Way** – New Sewer
- 5. Borrowfield Road** – New Sewer and associated chambers between Newhame Road and Renny Crescent.
- 6. Renny Crescent** – New upsized sewer and upgraded manholes

The main works are planned to start from February 2026. However, there are some advanced works required to divert some local utility services ahead of the main works.

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# Why are we doing this?

## HISTORY OF FLOODING

Flooding from the sewer has been a regular occurrence on a few streets in the Borrowfield area for a number of years. This is primarily due to the sewer pipes in the area having insufficient capacity to be able to drain all the water from roads and houses during heavy rainfall.

This has led to streets being flooded, impeding access and causing damage to vehicles and gardens.

A predicted impact of climate change is that storms will become more intense and become even more likely to overwhelm the drainage system in the future.



Images: Previous flooding events

This sewer network upgrade work has been designed to take account of these impacts. It won't remove the flood risk completely however these works will significantly reduce the risk and frequency of any future flooding events.



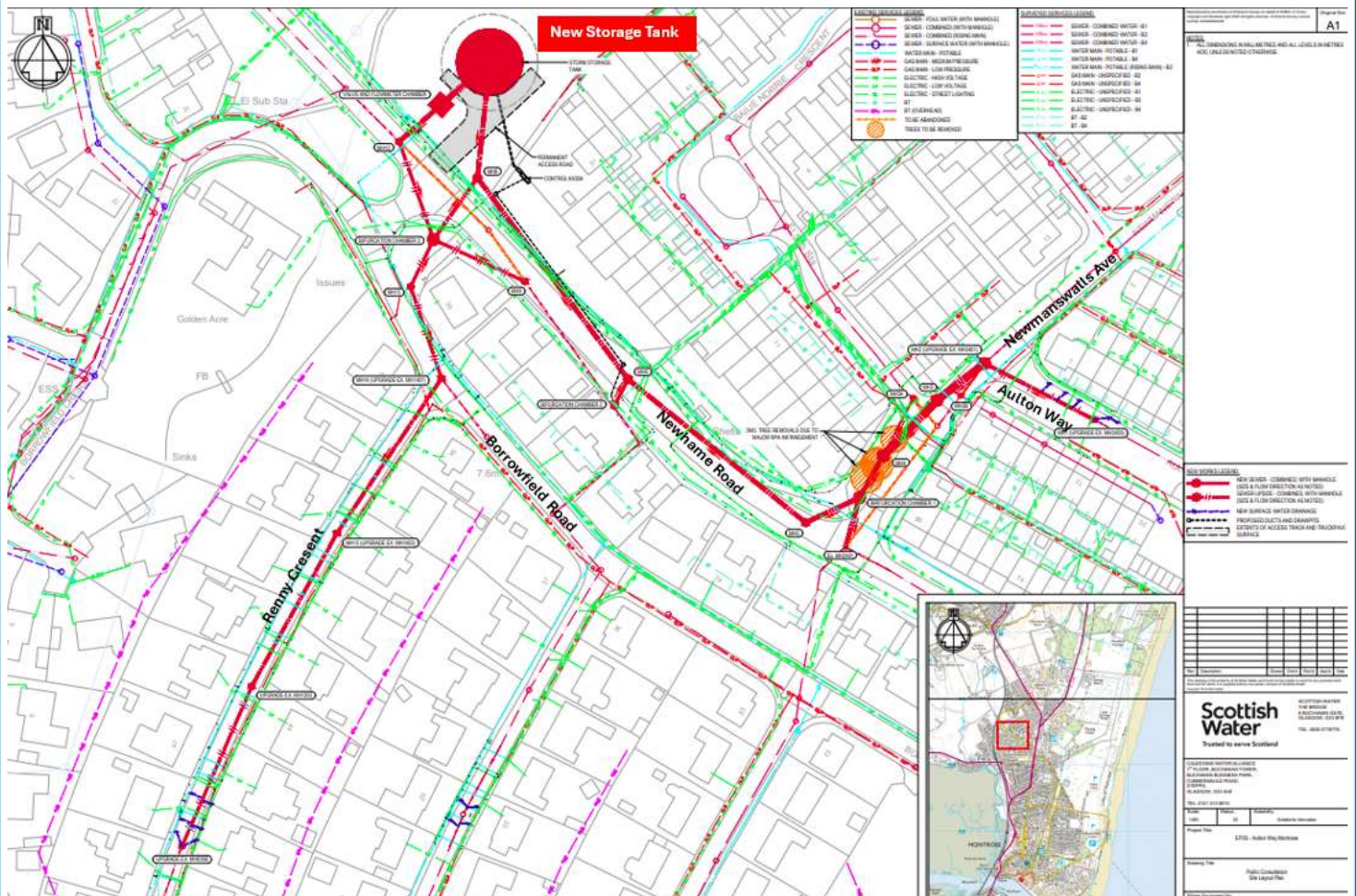


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# Work Overview Plan

- Works planned to start **early 2026** for approximately **14-16 months**.
- The new underground storm overflow tank will be located within Borrowfield Park.
- New larger sewers and associated chambers/manholes will be constructed in Newhame Road, Newmanswells Avenue, Aulton Way, Borrowfield Road and Renny Crescent



(Image shows approximate locations of works)

- The tank works will take place over the duration of the project. This section of Borrowfield Park will be fenced off to allow for location of site compound and construction of the tank
- Street works will be phased on a rolling basis over a period of approx. 9 months

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# Site Compound Location

- Site compound will be located in Borrowfield Park and will incorporate the new storm tank working area.
- The area will be securely fenced off, grass stripped back, and a hard wearing stone surface put down for the duration of the works. This will require numerous vehicle movements to transport materials.
- Site cabins/welfare units will then be delivered to site.



- The site compound will contain, site cabins, site parking, materials storage area.
- Due to length of time the compound will be in place, wooden hoarding style fencing will be erected around the entire compound and construction area in Borrowfield Park.
- Upon completion of the works, the site compound will be removed and the area reinstated back to grass in agreement with Angus Council.

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# Underground Storm Tank Construction

- The new Storm tank will be approx. 25m diameter and 15m deep.
- The size of the excavation required will mean the use of heavy machinery including a crane on site for the duration of the works.
- Piling will be required to stabilise the excavation. However, ground investigations have revealed the ground is relatively soft with no rock present on site. This will make piling activities less disruptive.



(Image: example of similar construction site in Edinburgh)

- A large amount of material will require to be excavated, dried, then removed from site. This will involve numerous construction traffic movements during this time.
- We anticipate a lot of ground water during the excavation phase. We will have filtration equipment on site to filter this ground water and return the water into Borrowfield Pond. Please note, this is solely ground water and no waste water at all will be put into the pond.



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# Underground Storm Tank Construction (continued)

- There will be a 'grasscrete' access road constructed next to the tank to allow for future access to the tank for maintenance.
- Once completed, the only visible signs of the tank will be the access covers at ground level.
- There will be an above ground control kiosk located to the side of the park.



(Image: location of new underground storm tank)

'Grasscrete' is a reinforced cellular concrete or plastic which allows grass to grow through, creating a more aesthetically pleasing solution to a normal concrete access road.



(Image: Highlighting 'Grasscrete' Access Road and Control Kiosk Location)





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## Renny Crescent – Upsized Sewer

- The existing sewer in Renny Crescent will be replaced with a new larger sewer.
- To carry out the work as safely as possible a full rolling road closure will be required. The closure will be done in sections between each manhole. Approx. 2 weeks at each section.



(Image: Renny Crescent Work Location)

- As we are replacing a 'live' sewer, we will require to carry out over pumping between manholes to ensure no disruption to service.
- Over pumping requires the use of pumps and an overland pipe to forward wastewater flows to the next manhole to by-pass the section of sewer being replaced.
- The sections for the rolling road closure are dictated by the manhole locations for over pumping.
- Approx. 3 sections along Renny Crescent with around 2 weeks for each section.

- There will be restrictions to vehicle access during each road closure section and we kindly ask residents within a closed area to arrange parking elsewhere during that time. Should you have any specific access requirements, please speak to a member of the project team.
- Pedestrian access will be maintained at all times.



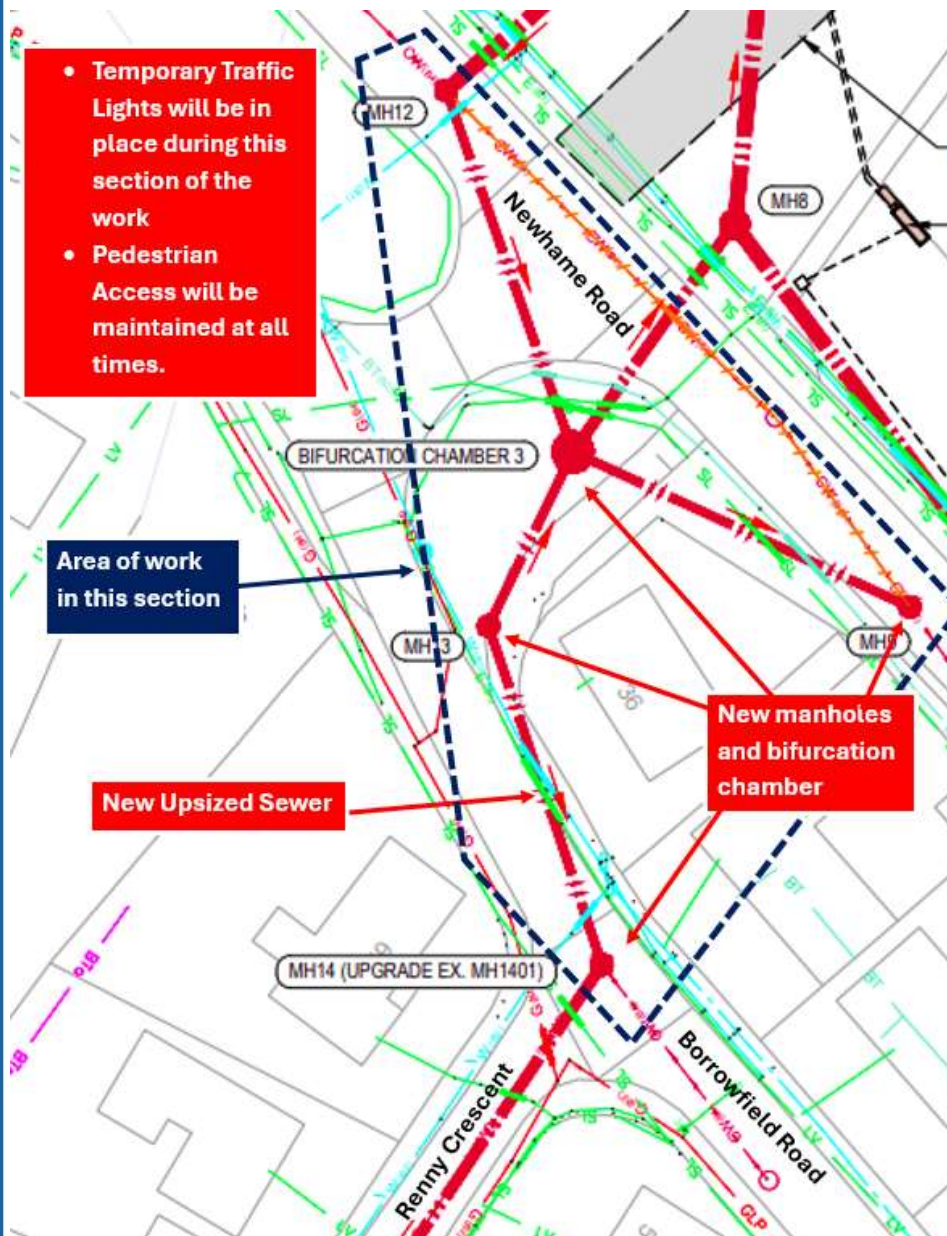


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# Borrowfield Road – New Sewer & Chambers

- New sewer and associated manholes and bifurcation chamber linking to the new storm tank across Newhame Road.
- To carry out the work as safely as possible, Temporary Traffic lights will be in place to safely manage traffic during this section of the works. Approx. 5 weeks duration for this section.

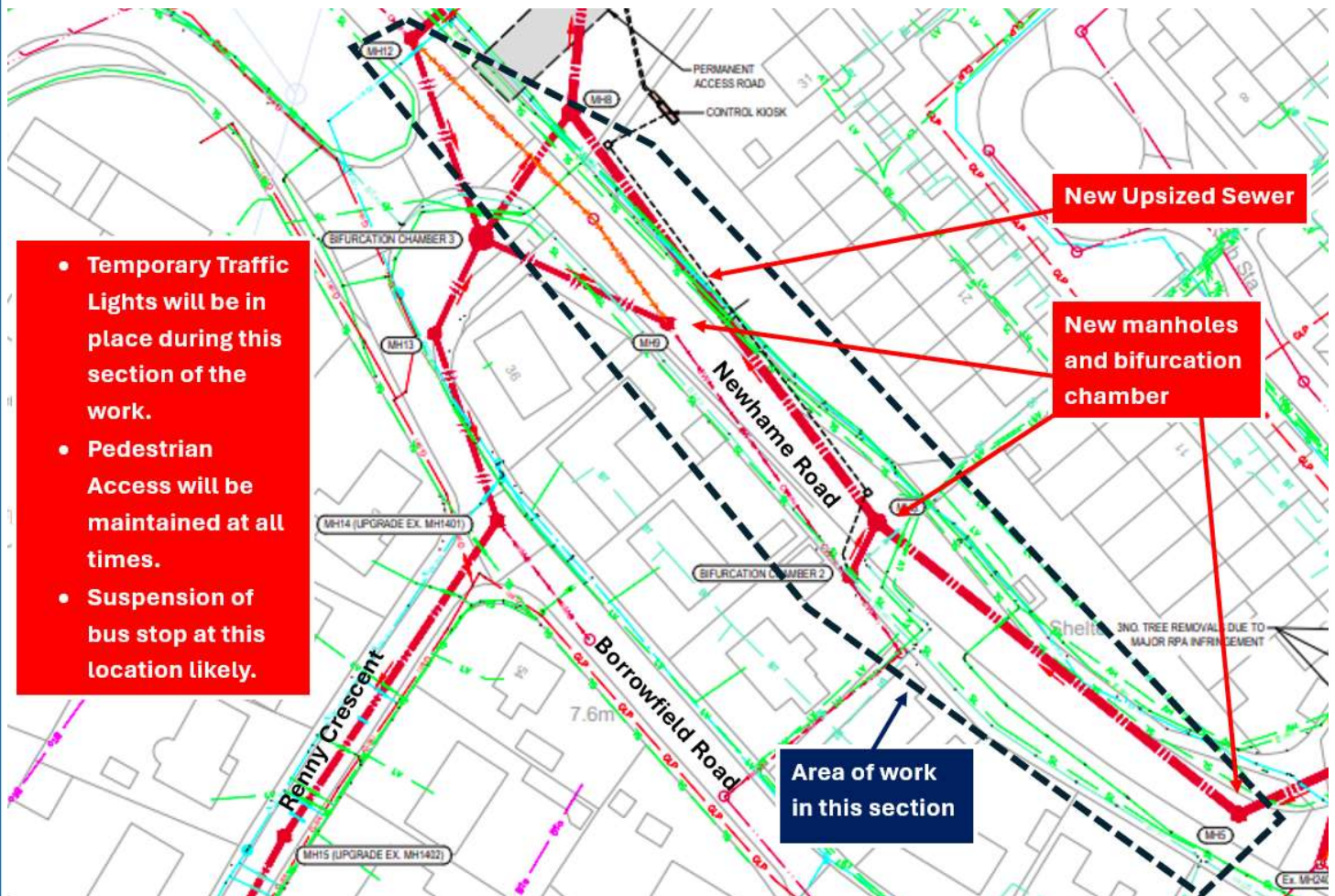


- There may be some localised parking restrictions within this area to facilitate the traffic management.
- Pedestrian access will be maintained at all times.
- A Bifurcation Chamber is effectively a manhole chamber with a weir built inside. This allows for flows to be diverted to the new storm tank during times of heavy rainfall.

(Image: Borrowfield Road/Newhame Road Work Location)

# Newhame Road – New Sewer & Chambers

- New sewer and associated manholes and bifurcation chamber linking to the new storm tank.
- To carry out the work as safely as possible, Temporary Traffic lights will be in place to safely manage traffic during this section of the works. Approx. 8 weeks duration for this section.



(Image: Newhame Road Work Location)

- There may be some localised parking restrictions in place to facilitate the traffic management and possible suspension of the bus stop on Newhame Road at this location.
- Pedestrian access will be maintained at all times.



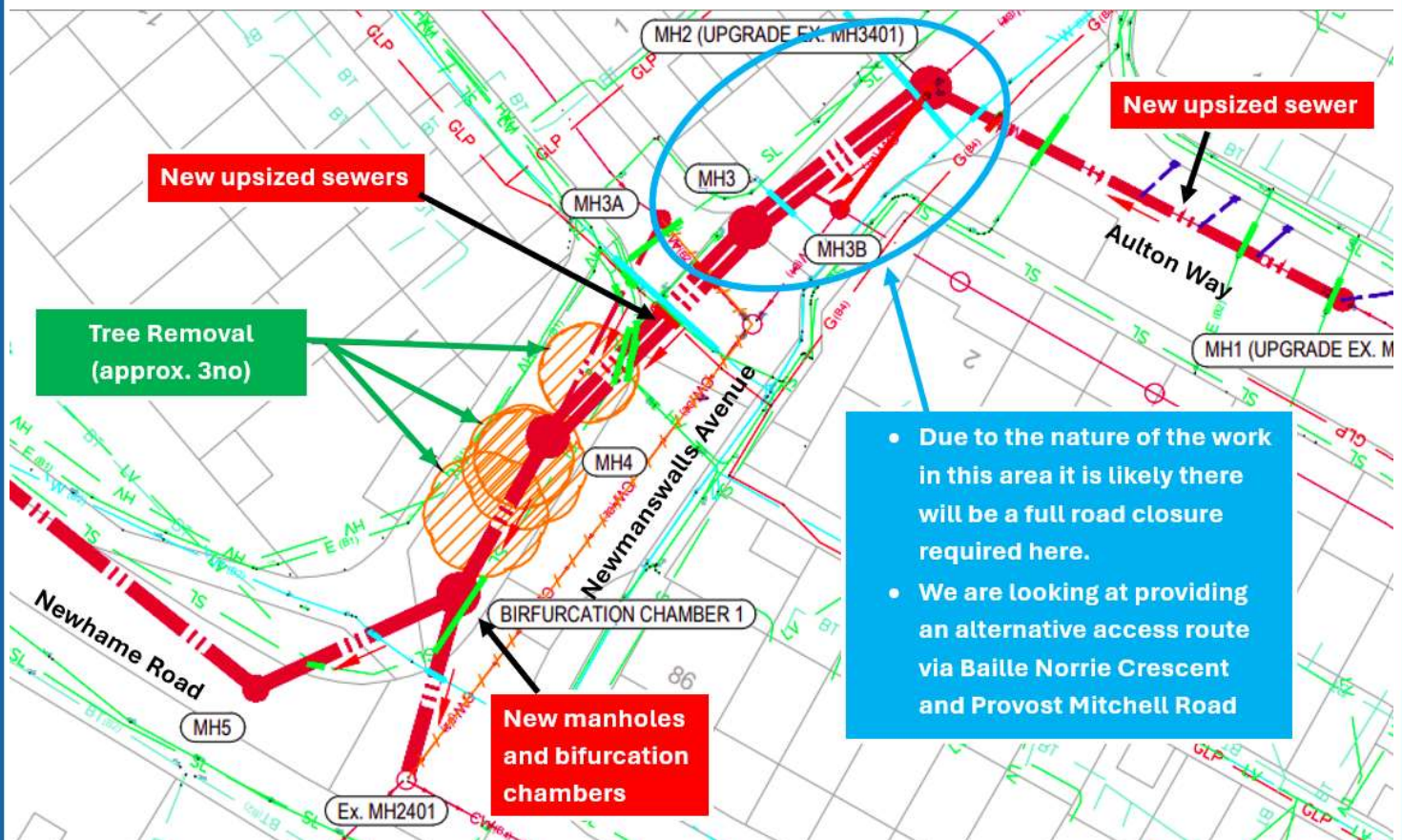


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# Newmanswalls Avenue & Aulton Way – New Sewer & Chambers

- New sewers and associated manholes and bifurcation chamber linking to the new storm tank.
- To carry out the work as safely as possible, Temporary Traffic lights will be in place to safely manage traffic during this section of the works. Approx. 10 weeks duration for this section.



(Image: Newham Road Work Location)

- There will be some localised parking restrictions in place to facilitate the traffic management and the works. There may also be some restrictions to access to private driveways/parking. We will liaise with any affected resident.
- A road closure within the blue circled area will be required. We are looking at providing an alternative access route via Baille Norrie Crescent & Provost Mitchell Road during this section.
- Temporary traffic lights will be in place for the rest of this section of work.
- Pedestrian access will be maintained at all times.



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# Service Diversions

- Before we can commence with our works, there is work required to carry out various Utility Diversions in Renny Crescent, Newhame Road, Borrowfield Road, Newmanswalls Avenue and Aulton Way.
- All these works will be planned and carried out by each individual Utility
- We don't have confirmation of dates for these works but would envisage these being carried out in the last quarter of this year.
- These service diversion works will likely require some traffic management and/or parking restrictions. This will be arranged by each Service Provider individually.

## Important Information to note regards the service diversion works:

The planning of the Service Diversion Works including dates, durations, traffic management and all communications relating to these works will be the responsibility of each Individual Service Provider. We are not in control of how these works are planned or managed.

Should you have any concerns once these works are on site then please contact the individual Service Provider directly.





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# General Information

- **At this stage, dates and durations are subject to change as the overall programme is still being developed and is yet to be finalised.**
- We will write to local residents ahead of work starting in that particular street/area to confirm dates, durations and other information relating to the works.
- **All information sent out will be available on the dedicated webpage [www.scottishwater.co.uk/montrose](http://www.scottishwater.co.uk/montrose)**
- The playpark and skate park in Borrowfield Park will remain open for use throughout the works. Our site compound will be securely fenced off.
- **Working areas will be securely fenced off.**
- There will be numerous construction traffic movements each day to remove an import material from the site compound.
- **Pedestrian access will be maintained at all times.**
- If you require assistance during the works, please don't hesitate to ask our team on site.
- **Site working hours will typically be between 08.00-18.00hrs Monday to Friday. At this stage we don't anticipate weekend working, however this has yet to be confirmed.**
- If you have any queries, please contact Scottish Water Customer Helpline 0800 0778 778 quoting 'Captial/502700/CWAMontrose



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# How It Works?

- Once all works are completed, the new storm tank constructed and additional sewers and chamber installed, this is how the network will operate.
- During normal weather conditions, the network operates as currently with wastewater being removed through the existing sewers
- During periods of heavy rainfall, the levels in the network rise, once the levels rise, the wastewater will spill over the 'weirs' within the new bifurcation chambers and be diverted through the new sewer pipes into the new Storm tank.
- This wastewater will then be stored in the Storm Tank until the water levels in the network recede to a level where the water in the Storm Tank can be returned into the network and forwarded through the existing network for treatment.
- **When this happens, the water is pumped out of the Storm Tank back into the existing network.**
- On a normal storm event, we would expect the stored wastewater to be pumped out of the tank back into the network within 24 hours.
- **Any wastewater flowing into the Storm Tank will be very dilute due to the rainfall which would trigger the tank to be used.**
- The storm tank is a temporary storage for wastewater and will not have any wastewater in it the majority of time. It will only be in use during heavy rainfall events.
- **The wastewater in the Storm Tank is completely contained within the tank and there is no risk of wastewater entering the Pond in Borrowfield Park**





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# Keeping in touch

**Scottish Water and CWA are committed to keeping you and the local community fully informed and engaged with the work we are doing.**

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



If you want to continue to keep in touch as our project progresses, please visit **[www.scottishwater.co.uk/montrose](http://www.scottishwater.co.uk/montrose)** or call our

Customer Helpline on **0800 0778778** quoting

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