

Minimising impact

NI Water is working in partnership with AECOM and BSG Civil Engineering to deliver the essential new wastewater infrastructure at Brompton Road and Stricklands Glen. While construction projects such as these can inevitably cause disruption, the project team are committed to minimising the impact on the local community and visitors to the area.

Some of the measures that will be implemented on the project are:

- » 2.4m high hoarding around the site to maximise safety and help suppress noise
- » Dirt and dust management to maintain clean access routes to sites
- » Restricted working hours for noisy activities
- » Ongoing monitoring of noise and vibration
- » Traffic management plans as agreed with Department for Infrastructure to accommodate increased vehicular movement during construction
- » Designated on-site parking and material storage (no construction parking in residential areas)
- » Temporary paths to maintain access to the North Down Coastal Path

We will endeavour to keep residents and visitors to the area informed of what's happening on the project through progress updates and site signage.

Working with the community

NI Water and our project team are committed to bringing about environmental benefits - not only through the delivery of these projects - but through participating in community events such as beach cleans.

As the next phase of the Bangor Sewerage Improvement Project gets underway, we look forward to proactive engagement with the community and lending our support to similar environmental enhancement projects.

To support the local business community, our contractor will use local suppliers and labour where at all possible.



NI Water is pleased to be able to carry out this further phase of work as part of the Bangor Sewerage Improvement Project and build on the significant investment and benefits already realised in the North Down coastal area.



Delivering what matters

If it's not
**PEE, POO
or PAPER**
it will block
the pipes

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Brompton Road & Stricklands Glen Replacement Wastewater Pumping Stations



What is the background to this project?

NI Water is committed to improving water quality along the North Down coast and since 2014 has been engaged in a multi-million-pound programme of work to upgrade the sewerage infrastructure in the wider Bangor area.

Previous phases of work have involved the construction of new pumping stations at Luke's Point, Bangor Marina, Castle Park, Clandeboye Primary School and Old Belfast Road. The investment to date has helped improve the water quality from Bangor Marina to Ballyholme and has provided additional capacity in anticipation of further upgrade works in Bangor West.

What will this project involve?

The next phase of the programme involves replacing the existing wastewater pumping stations at Brompton Road and Stricklands Glen; the upgrade of associated sewers in the area and the closure of the Maxwell Road combined sewer overflow. Collectively, these works are designed to protect and enhance the environment, reduce the likelihood of out-of-sewer flooding and further enhance bathing water quality.

The pumping stations have been carefully designed so that on completion they have minimal visual impact. At Brompton Road the controls for the pumping station will be housed in a stone-clad boathouse-type building while at Stricklands Glen, native planting will help screen the required kiosk. At both sites the tanks will be built underground and grassed over.

Planning permission has been granted for the project and an experienced contractor, BSG Civil Engineering, has been appointed by NI Water to carry out the work. Some site preparation work got underway in March ahead of the main construction phase beginning in April 2020.

These essential upgrades will take around 18 months to complete.

The new pumping stations will involve the construction of large-scale underground tanks



Why is the work needed?

Brompton Road Wastewater Pumping Station (WwPS), located at the bottom of Brompton Road just off the North Down Coastal Path and Stricklands Glen WwPS, situated further along the coastal path, have both been in operation for around 50 years. The existing pumping stations are nearing the end of their useful lives and in their current state they offer no storage capacity for stormwater – now a regulatory requirement.

To resolve these issues and ensure compliance with current NI Environment Agency standards, new, fully automated wastewater pumping stations will be constructed beside the existing facilities which will remain operational during the construction work.

The new pumping stations will provide first-time storage capacity which will help protect adjacent watercourses and coastal waters during storm conditions.

To provide the most robust solution and deliver maximum environmental benefits to the area, the associated sewer network will also be upgraded. This is an important part of the project that will improve water quality in Belfast Lough.

What will people see on the ground?

At Brompton Road and Stricklands Glen the construction of the new pumping stations will be contained within the sites. Extensive 2.4m high hoarding will be erected around both areas to protect the public and help contain noise.

As with any major construction project materials will need to be brought to site and a certain amount of spoil removed from site. As a result, the public will see an increase in construction vehicles in these areas from time to time. In agreement with Ards and North Down Borough Council and to maximise health and safety, our contractor will divert the public coastal path away from the



sites for the duration of the contracts. We would ask that residents and the wider public remain mindful of the possibility of construction vehicles being in the area. We would take this opportunity to advise the public that construction sites are dangerous areas for unauthorised persons, especially children, and we would appreciate your co-operation in ensuring that children do not play in or around the sites or machinery. Working areas will have warning signs in place to protect the public from any hazards. The public are advised to stay out of these areas for their own safety.

While the work at the two pumping stations sites will be largely contained, the improvements to the sewerage network may be more visible to residents.

What will the network improvements involve?

A number of replacement sewers and pumping mains will be included as part of the overall improvements. These include:

- » Replacement combined sewer to rectify defects in the sewerage network downstream of Carnalea Golf Club.
- » Replacement pumping main along the North Down Coastal Path and Downshire Road to transfer flows from Stricklands Glen WwPS to the start of Brompton Road.
- » Replacement combined sewer along Brompton Road to transfer the flows from Stricklands Glen WwPS to Brompton Road WwPS.
- » Replacement pumping main along the Brompton Road and Downshire Road.

These sewers will reduce the risk of out-of-sewer flooding and increase the capacity of the sewerage system in the area.

At this stage we expect this element of the project to get underway in late 2020.

Residents will be notified in advance of any pipelaying works taking place in the area and subsequent reinstatement of affected roads. All reinstatement works will be carried out in line with Department for Infrastructure requirements.

**Play safe,
stay safe**