

£4m Upgrade of Brompton Road & Stricklands Glen Wastewater Pumping Stations

Progress Update
September 2020

NI Water and our contractor BSG Civil Engineering have been making significant progress on the upgrade of the Brompton Road Wastewater Pumping Station (WwPS) since returning to the site in May and have begun site preparation work at Stricklands Glen.

As you will read in this latest progress report, we have reached some key milestones at the Brompton site: completing the first phase of rock breaking and successfully carrying out the first major concrete pour to form the 'collar' structure. Read on to find out more about the important role this collar will play in burying the new pumping station tank.

Concrete milestone reached at Brompton

As many residents will no doubt be aware, 33 lorries visited the site in sequence and poured over 230m³ of concrete in that one day to form the first section of the new storage tank, known as the 'concrete collar'.

A significant milestone in the construction of the new Brompton Road WwPS was reached on Friday 4th September 2020 with the completion of the first major concrete pour at the site.



Construction of the tank is being carried out in cycles with periods of excavation works followed by concrete pours until the full 10m deep tank has been constructed. The next phase of rock breaking/excavation work is due to get underway in November.

Going underground....

The tank at Brompton is being constructed above ground level, however once the walls have been poured to the required height, the tank will be sunk through a carefully controlled rock excavation process.

When the concrete walls are complete, rock will be excavated below, and the concrete collar will gradually guide the tank to its final position below ground level.



Once the tank is fully buried the area will be landscaped. There will be a concrete surround placed around the manholes to protect the covers and provide a hardstanding for maintenance operations. The only above-ground structure at the Brompton Road site will be the control building for the pumping station, which has been designed to resemble an old boat house with natural stone cladding to blend in with the natural environment.



Brompton construction facts

- BSG have notched up over 8,200 hours on the project to date.
- Over 5,700 tonnes of spoil have been excavated and crushed off site for reuse on local construction projects.
- Concrete poured has amounted to more than 520m³
- Length of rebar used so far is 63 tonnes or 39km of straight bars – almost enough to stretch from the Brompton Road site across the Irish Sea to Scotland!

Stricklands Glen



At Stricklands Glen, BSG have set up their site compound and have begun accommodation works in advance of excavations for the new pumping station getting underway. Temporary sheet piles

will be driven into the site to create a watertight enclosure known as a cofferdam. This will facilitate construction of the underground tank. The piling will commence towards the end of September and should be complete within 3-4 weeks. Residents may notice an increase in daytime construction noise during this time.

The coastal path has been diverted around the Stricklands site to ensure the safety of the public while construction works are ongoing. Drivers to the site will adhere to the 5MPH speed limit in place, will use hazard lights along the coastal path and will remain vigilant at all times.

Considerate Constructors

NI Water's contractors always strive to be good neighbours and we are delighted to advise that BSG have been registered to the 'Considerate Constructors Scheme' for this project.

Considerate constructors seek to improve the image of the construction industry by striving to promote and achieve best practice. In line with this, and in a bid to promote sustainability and minimise waste, BSG have crushed and reused stone excavated from the Brompton site at other nearby sites and are currently looking into the possibility of using indigenous rock to clad the exterior of the boathouse-designed control building.

We will endeavour to support local businesses, minimise disruption and keep the surrounding areas as clean and tidy as possible at all times. We will continue to keep you updated on project progress and will advise in advance of new phases of work commencing, such as pipelaying. The project team are extremely grateful for the ongoing cooperation of residents in the area and we thank you for your patience as we work to undertake these essential improvements. **If you have any queries regarding this project, please contact waterline@niwater.com or call 03457 440088.**