



Hamilton

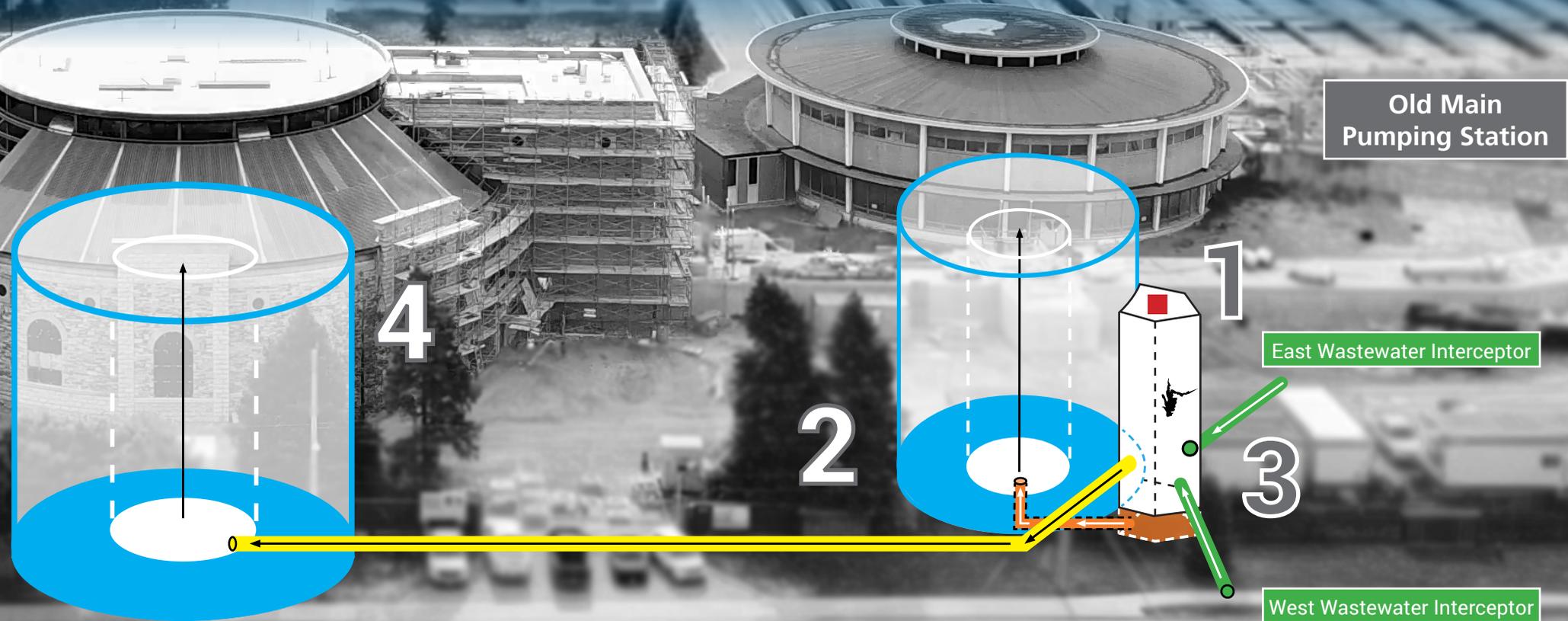
Woodward Upgrades Project Newsletter

A part of the Clean Harbour Program

December 2020

New Main Pumping Station

Old Main Pumping Station



With the removal of the inlet gate and the building of the new channel complete, commissioning of the new Main Pumping Station is almost ready to begin. The above image gives a high level look at one of the critical activities required before commissioning of the new MPS occurs: connection of the flow of wastewater through the inlet channel.

1

Divers enter the inlet chamber through hatch (red) in old MPS to install steel bulkhead on concrete where new inlet tunnel will connect (yellow)

2

Workers access the inlet tunnel through the old MPS to remove the concrete wall behind the bulkhead separating the inlet tunnel and existing inlet chamber

3

Divers enter the inlet chamber to remove steel bulk head, which now allows incoming raw wastewater to flow through the new tunnel into the new MPS

4

Once testing is completed in the new MPS, the lower section of the inlet chamber (orange) will be filled with concrete, completely isolating and rendering the old MPS obsolete and ready for demolition

Project Updates

Main Pumping Station



Construction: May 2017 - May 2021

Removal of the inlet gate was a major step in preparation of commissioning activities. Work on the interior electrical and mechanical works continue, and installation of the roof is almost complete. Preparations for commissioning of the facility continue.



Electrical and Chlorination Upgrades



Construction: Oct. 2017 - Jun. 2021

Commissioning works have continued with acceptance testing underway for the stand-by generators and main electrical switchgear. Preparations for WTP power transfer is underway after which the second Alectra utility feeder transfer will follow in early 2021. Permanent power has officially been connected to the new Main Pumping Station.



Tertiary Treatment Upgrades



Construction: May 2019 - Dec 2021

Start-up and commissioning activities of Phase 1 of the Secondary Upgrades is underway. Mechanical and electrical works have continued in the blower building and RAS building, and concrete works for the new CCT have begun. Structural and mechanical works continue in for the Tertiary Facility and the new effluent outfall construction has begun.

