

HERNE BAY COLLECTOR BULLETIN

Project update

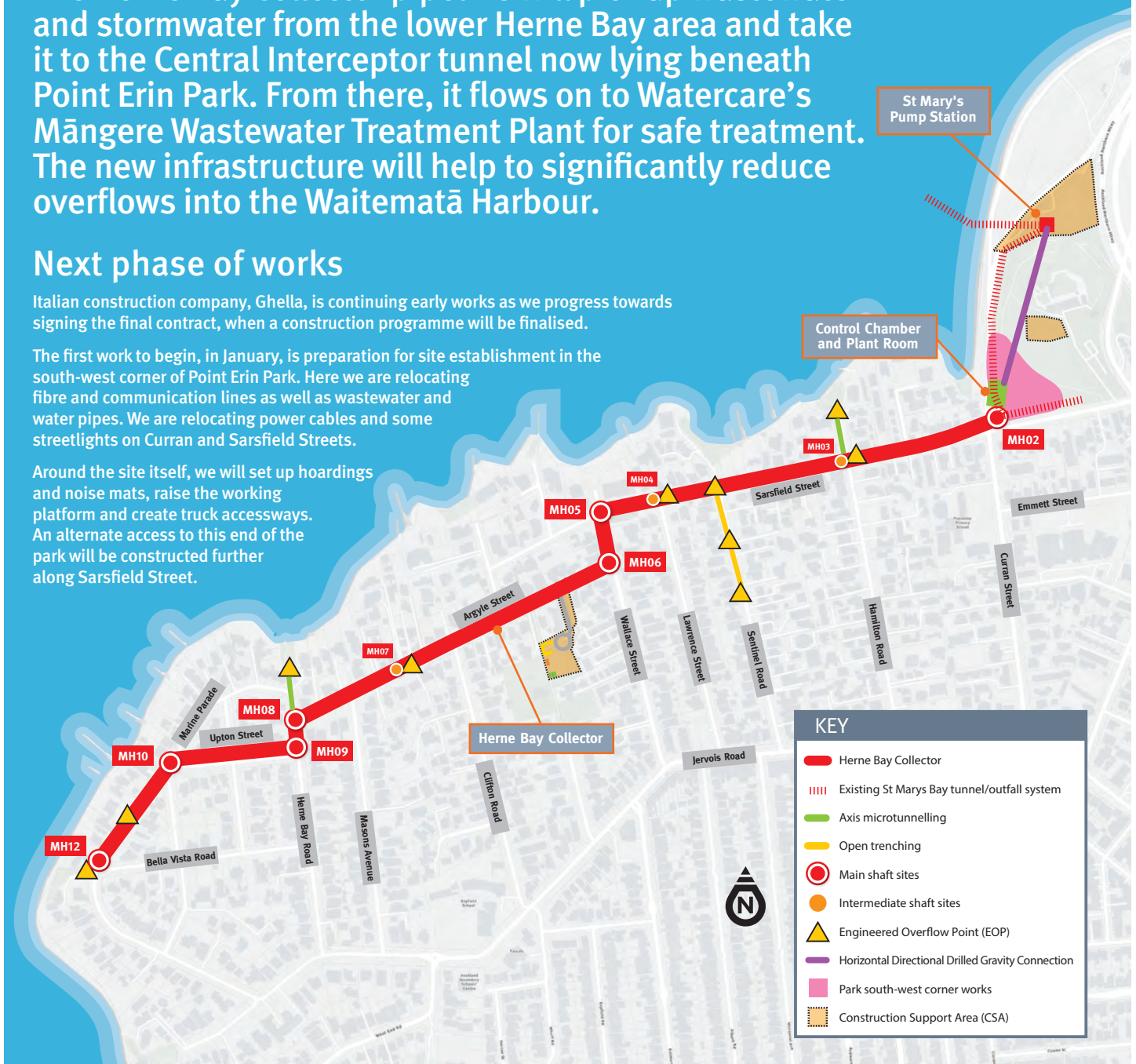
The Herne Bay Collector pipeline will pick up wastewater and stormwater from the lower Herne Bay area and take it to the Central Interceptor tunnel now lying beneath Point Erin Park. From there, it flows on to Watercare's Māngere Wastewater Treatment Plant for safe treatment. The new infrastructure will help to significantly reduce overflows into the Waitematā Harbour.

Next phase of works

Italian construction company, Ghella, is continuing early works as we progress towards signing the final contract, when a construction programme will be finalised.

The first work to begin, in January, is preparation for site establishment in the south-west corner of Point Erin Park. Here we are relocating fibre and communication lines as well as wastewater and water pipes. We are relocating power cables and some streetlights on Curran and Sarsfield Streets.

Around the site itself, we will set up hoardings and noise mats, raise the working platform and create truck accessways. An alternate access to this end of the park will be constructed further along Sarsfield Street.



We will also start service relocation work and site establishment in January at three other shaft sites. The sites at the intersections of Wallace and Sarsfield Street and Wallace and Argyle Streets are larger shafts to retrieve/launch the micro-Tunnel Boring Machine (mTBM).

Project overview

Construction work

We will construct a 2.1m-diameter tunnel for approximately 1.5km using an mTBM. The pipeline will pass beneath the suburb's street at depths ranging from 9-22m. We will construct seven shafts to launch and retrieve the mTBM along with intermediate shafts connecting to existing EOPs. We will also build chambers at several of these locations and in a number of other roads.

In the south-west corner of Point Erin Park, we will sink a 7.4m-internal diameter, 16.9m-deep shaft. From here, we will retrieve the mTBM from its first drive from a site at the intersection of Sarsfield and Wallace Streets. This shaft will become the permanent receiving shaft from the HBC, where wastewater will flow into a new control chamber we will build. The wastewater then flows into the Central Interceptor (CI) tunnel and away south to the Māngere wastewater treatment plant.

As well as the control chamber, another permanent structure we will build is a plant room, where mechanical and electrical equipment manages the flows into the CI tunnel.

Future works include small-diameter pipelines along Marine Parade (1.0m in diameter) and local connections to the existing Engineered Overflow Points (EOPs) (between 200mm to 450mm in diameter). These will be constructed using open trenching or nano-tunnelling depending on the depth of the pipe.

In mid-2026 we will set up three temporary Construction Support Areas (CSAs). One is beside the Curran Street motorway on-ramp, one is the existing CI Pt Erin Park site and