NOTIFICATION OF GROUND WORKS

Additional ground investigations and testing for the project will be carried out before the end of 2017 (between late October and early December).

These works will supplement the earlier investigations carried out in May this year. The new works will be both on land - for the main pipelines, and at sea - testing soil conditions for the outfall. The land investigations will take about 4 – 6 weeks and will include hydrogeological testing to ensure that groundwater conditions are well understood before any construction takes place. Some additional groundwater monitoring locations will be installed close to previous drillholes – these are shallow and will be of much shorter duration than the earlier (deeper) holes. The marine works will be carried out by a drilling rig on a barge, and will take about one week. Like last time, the works will be subject to strict controls to minimise impact on the environment and the community.

Contact details:
- If you have urgent concerns relating to the ground investigations you can contact Ryan Tidswell at Drillforce on tel. 09 267 9100
- If you would like to contact Council customer services about the ground investigations or have any comments or concerns please email HWDevelopment@aucklandcouncil.govt.nz with your comments and provide your details so we can contact you directly
- If you would like to know more about water quality in St Marys Bay, please visit www.westhaven.co.nz/stmarysbay

The two plans show the locations of the new investigations for (i) Pt Erin and the harbour overflow, and (ii) between New Street and Sarsfield Street.

Images below show (iii) the set up for a typical borehole from the earlier land-based investigations (at St Marys Bay Reserve), and (iv) from a similar marine drilling setup that is from a site in the Manukau Harbour.

Please be aware that the drilling process can be noisy, as can one of the soil tests we carry out, called a Standard Penetration Test, which requires use of a hammer. However, this is intermittent and it’s important that we understand what lies beneath the area, so that we can take steps towards improving water quality. As per last time, the hours of operation for this project are daylight hours (between 0700 and 1800hrs). Site and traffic management will be in place.

We are very excited to be able to update you on progress in the St Marys Bay - Masefield Beach Water Quality Improvement Project since our last correspondence. We will be contacting impacted property owners to explain the performance of the new infrastructure will be minimal.

Thank you to those that attended our information sessions in June, and those that have kept in touch and become involved the project to date.

The project aims to significantly reduce outfalls in St Marys Bay and Masefield Beach, so that these areas can be safely used for recreational activities like learn to sail, kayaking and SUP. Currently, there are over 100 overflows of diluted sewage a year into St Marys Bay alone from the combined network - which is not a situation we are happy with especially given the growing popularity of this area.

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From the St Marys Bay Project Team at Auckland Council
Auckland Council’s Healthy Waters, Watercare, Panuku Development Auckland and Auckland Transport

SOUTHERNMOST ALIGNMENT SELECTED

Those who attended the public sessions in June will be aware that there were three possible options for the pipeline alignment being considered.

The technical team have now determined that the southermmost route, detailed on the map on the following page, will provide the best solution for this project. The pipeline will pass under around thirty private properties (between Shelly Beach and New Street), generally between 15m and 20m below ground level (though less in some properties overlooking Shelly Beach and St Mary Reserve). Tunnelling will mostly be in rock.

We are carrying out extensive technical work to ensure the pipeline is safely built and once construction is finished, impacts and effects from the operation of the new infrastructure will be minimal.

We will be contacting impacted property owners to explain the project in detail prior to seeking permission to build the pipeline.

Get information on St Marys Bay and this project at www.westhaven.co.nz/stmarysbay

October 2017

WATER QUALITY IN ST MARYS BAY
A project of local importance

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INFORMATION SESSION

If you have any questions or concerns about this project it is important that you stay informed.

We will hold a drop in information session to explain the performance in terms of overflow reduction, the reasons we have selected the preferred alignment, and to provide residents with more detail on the Construction Methodology itself. Our design and project team, including the engineers working on the project, will be available to speak with in person.

Please come at any time convenient to you between 4pm and 7pm on Thursday 9 November

Upstairs at the NZ Marine Building, 85 Westhaven Drive, Westhaven Marina.

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Auckland Council proposes to undertake a major infrastructure project to reconfigure the existing combined sewer and stormwater network at St Marys Bay and Masefield Beach.

The historic combined stormwater and wastewater network discharges frequently to both St Marys Bay and Masefield Beach.

**How it works:**

1. The new infrastructure will collect combined stormwater and wastewater overflow (from London Street and Hackett Street near St Marys Bay and Sarsfield Street near Masefield Beach) in a new pipeline called a storage tunnel (the green line on the map).
2. These pipelines will have the ability to collect and return flows to the main sewer (the red line on the map) at the Pt Erin Park Pump station.
3. When there is no spare sewer capacity, such as during heavy rain, it will discharge flows safely into the harbour via a new harbour outfall (the yellow line on the map).

The project is designed to integrate into long-term network improvement plans being developed by Watercare and Healthy Waters, which will further reduce combined sewer overflows and improve water quality.