



## Grand Canal Storm Water Outfall Extension Project

Presentation to the Climate Action, Environment and Energy SPC by Niall Armstrong,  
Project Manager, 31<sup>st</sup> March 2021.

# Introduction

- Grand Canal Tunnel Constructed in the 1970s, Two sections – foul and storm. Foul section conveys flows to Ringsend Wastewater Treatment Plant.
- The Storm Section of the Tunnel discharges to the Inner Basin of the Grand Canal Dock.
- This project involves extending this Existing Outfall pipe to the River Liffey.
- A joint project between Irish Water and DCC.

## Aerial View of Basin



# Project Details

- IW and DCC are progressing this project through planning stages only.
- Joint Funded by IW and DCC.
- Application to be made by Dublin City Council to An Bord Pleanála under Section 175 /Section 175 of the Planning and Development Act 2000.

## Programme:

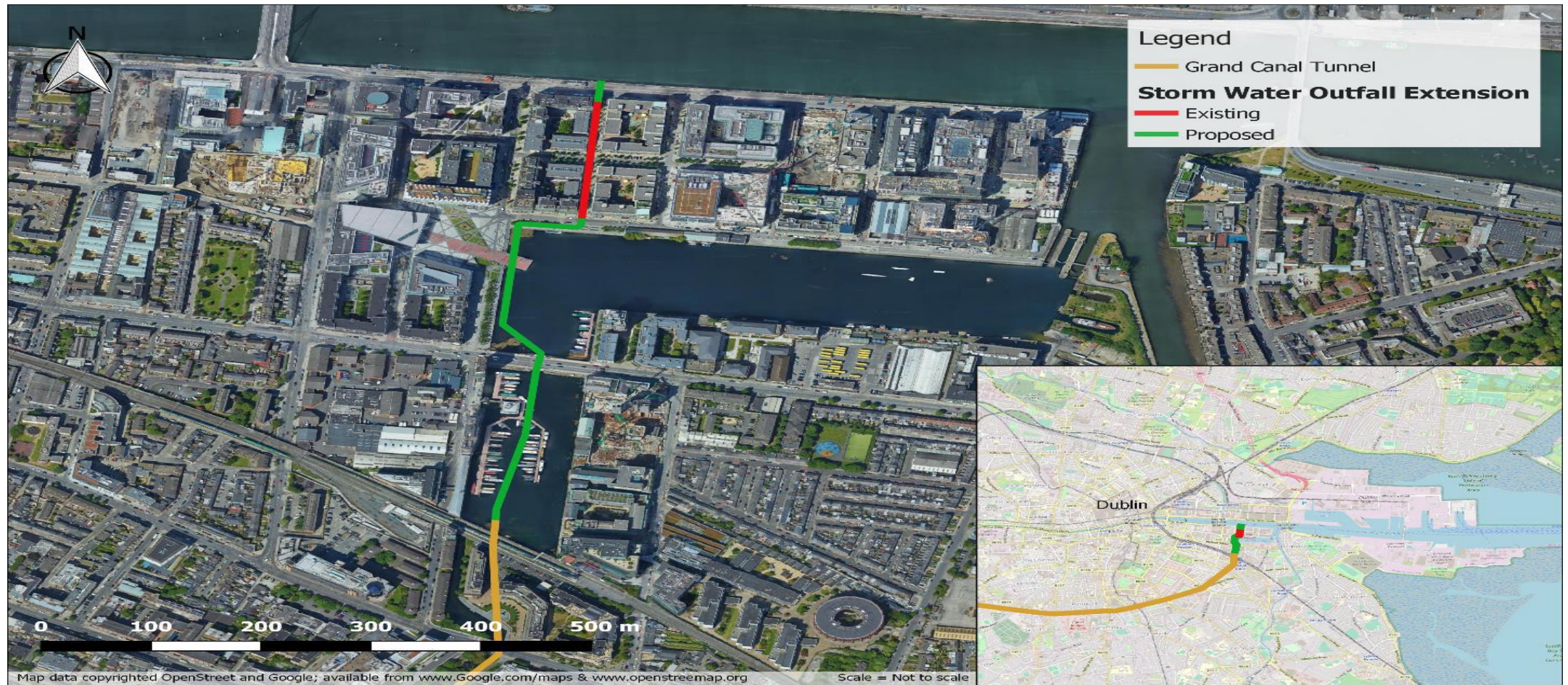
- Apply for planning permission Q4 2021.
- Decision Q2 2022.



# Overview of Pipeline

**Phase 1 was Completed in 2002** – Construction of a Culvert along Asgard Road.

**Proposed Works** – Connection of existing outfall to previously constructed culvert and construction of an outfall at the River Liffey at Sir John Rogerson's Quay.

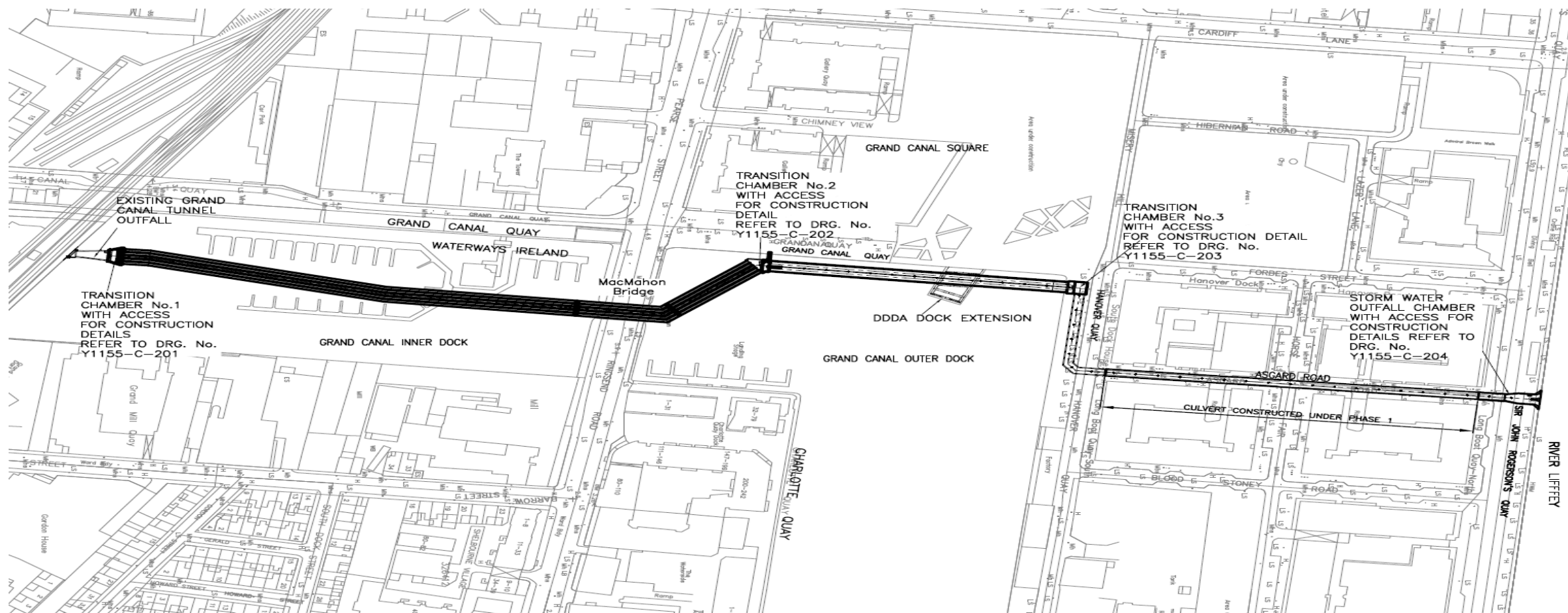






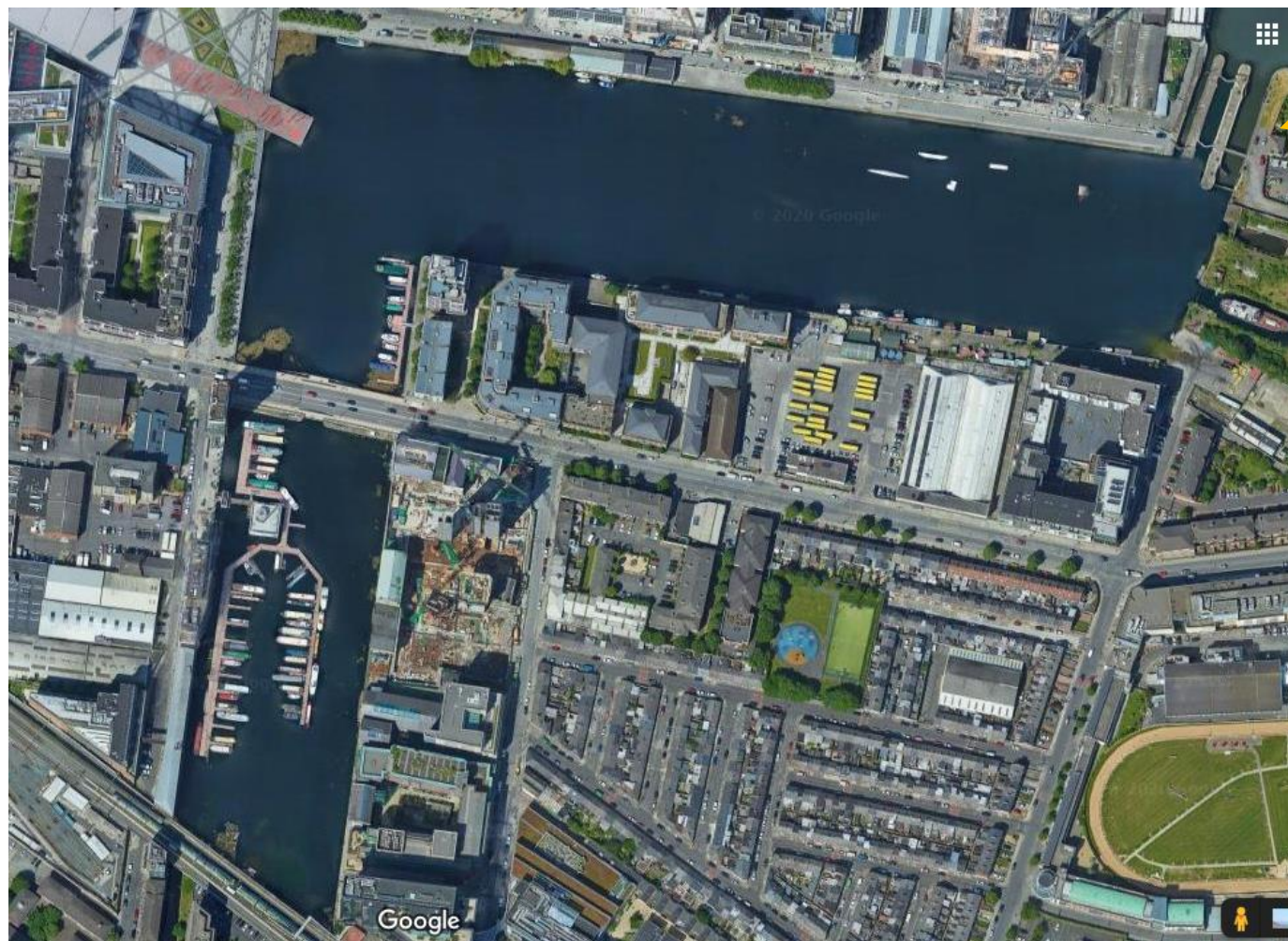
# Proposed Layout

450m of Pipeline within Basin and 100m along existing road & pedestrian infrastructure on Hanover & Sir John Rogerson's Quays.



# Need for Project

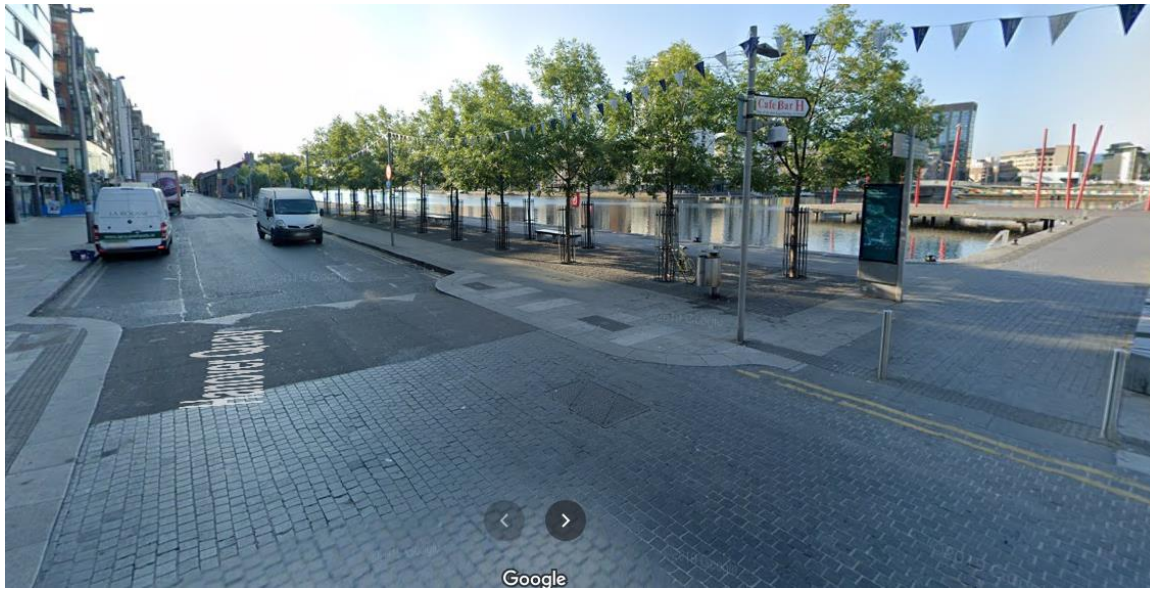
- To Improve the Water Quality in Basin
  - Grand Canal Basin is regularly impacted by microbiological pollution.
  - IW,DCC and Waterways Ireland established working group in 2017 to determine cause of ongoing pollution. It has been determined that the primary source of pollution is the discharge from the surface water section of the Grand Canal Tunnel.
  - By removing Pipeline from the Basin this will greatly reduce pollution within it.



Lock Gates

Enclosed Water Body with Lock Gates to River Liffey





Hanover Quay



Asgard Road and Sir Johns Rogersons Quay Junction



## Background

- Phase 1 Complete 2002
- Previous DDA Planning Permission expired.

## Next Steps

- Public Information Sessions prior to planning application (Q3/Q4 2021)
- Apply for planning permission (Q4 2021)
- Planning Decision (Q2 2022)

## Other Information

Available at Project Website

<https://www.dublincity.ie/residential/environment/water-and-wastewater/drainage-services/drainage-projects/grand-canal-storm-water-outfall-extension>

Contact

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