

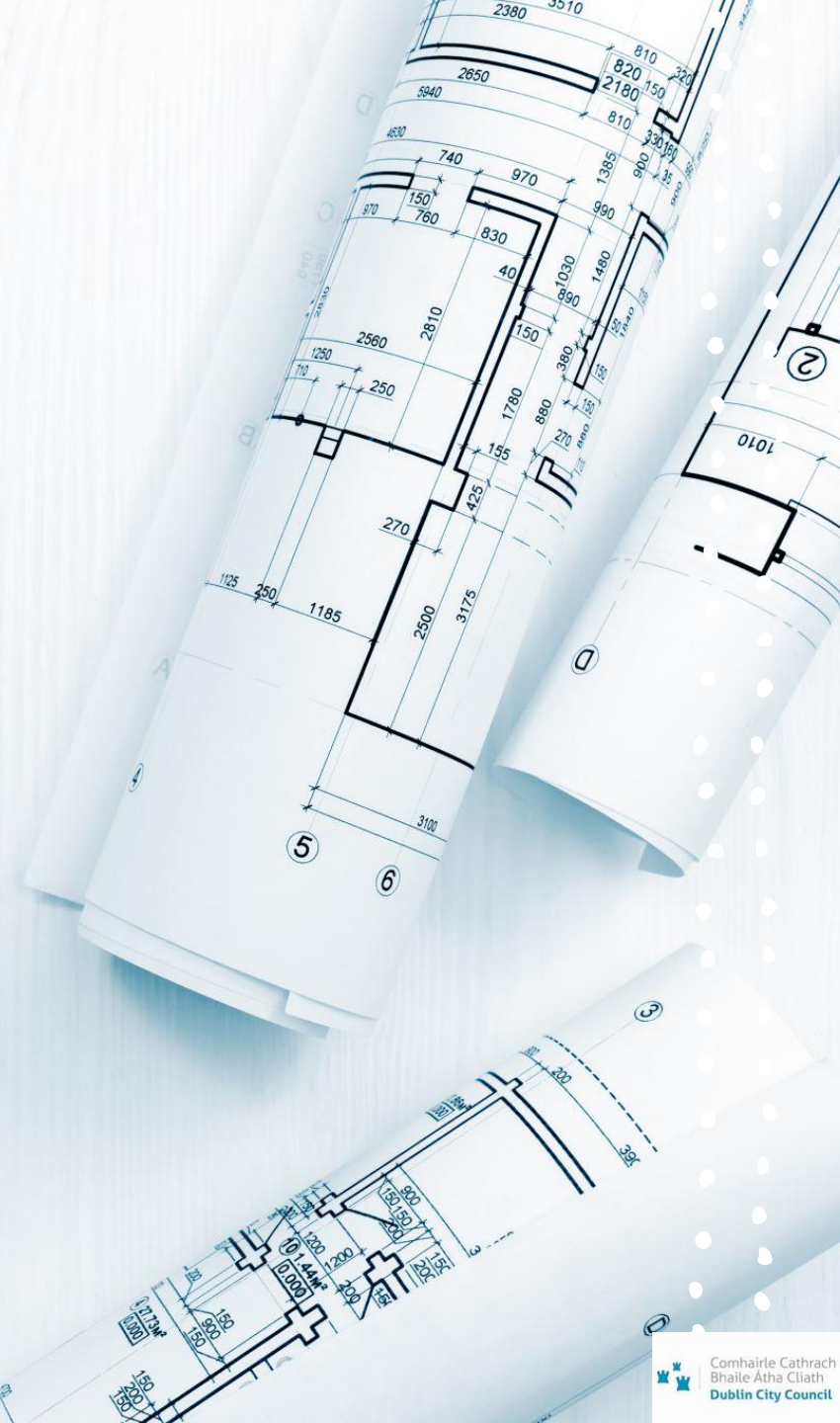
John Stack, Senior Executive Engineer,
Protection of Water Bodies Office

Rainscapes

NATURE - BASED SOLUTIONS FOR
STORMWATER MANAGEMENT

Agenda

- What is the Rainscapes project?
- What are Rainscapes?
- Why Rainscapes?
- Proposals
- Next steps
- Further information



What is the Rainscapes project?

A pilot project to retrofit and study Nature-Based Solutions (NBS) in the public realm

To measure the capacity of NBS to:

- Reduce pluvial flooding (flooding from rainfall)
- Reduce pollution load discharging to rivers (from urban runoff)
- Improve biodiversity/ecology within the public realm
- Add aesthetic and amenity value to the public realm

What are Rainscapes?

- A form of Nature-Based Solution
- Adapted green space or other surfaces designed to temporarily hold rainwater
- Has potential to deliver additional benefits



Why Rainscapes

- Sustainably manage pluvial flood risk in dense, urban areas
- Can reduce impact of urban runoff on our rivers, beaches, coastal waters
- Can deliver multiple/additional benefits over and above storm water management



Sites

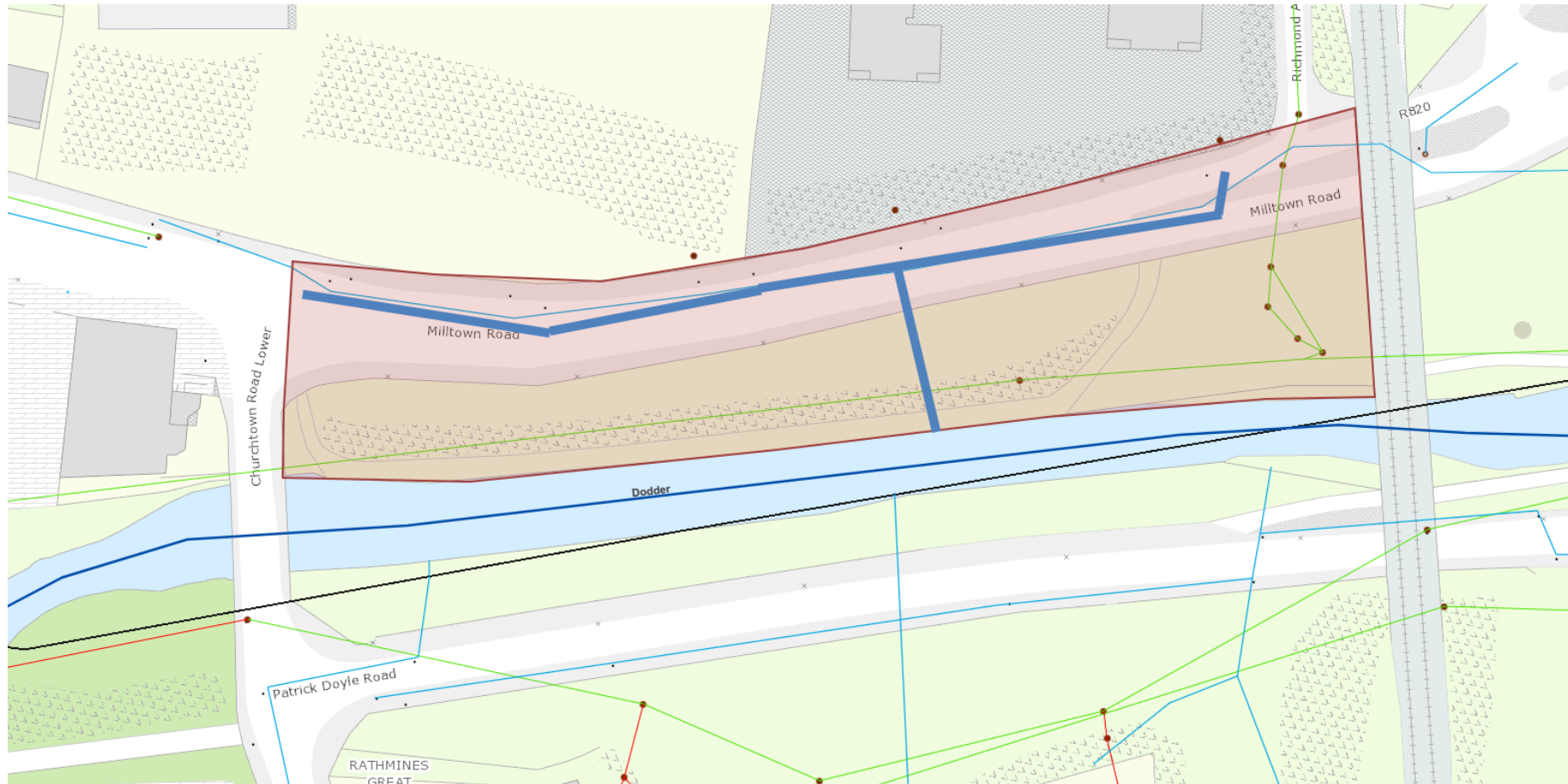
- Originally 9 sites selected within Santry and Dodder catchments
 - Initial stakeholder consultation in May 2021
 - Reduced to 4 following detailed site assessment and initial stakeholder consultation
 - One additional site added (collaboration with Parks and Roads Departments)
- Dodder Catchment
 - Milltown Road
 - Eglinton Road
 - Herbert Cottages
 - Simmonscourt Road
 - Santry
 - Dunree Park
 - McAuley-Ribh-Lein
 - Springdale Road
 - Brookvale
 - Lein Gardens
 - Montpelier Hill

Milltown Road

Location



Catchment



Proposal

5 x Raingarden

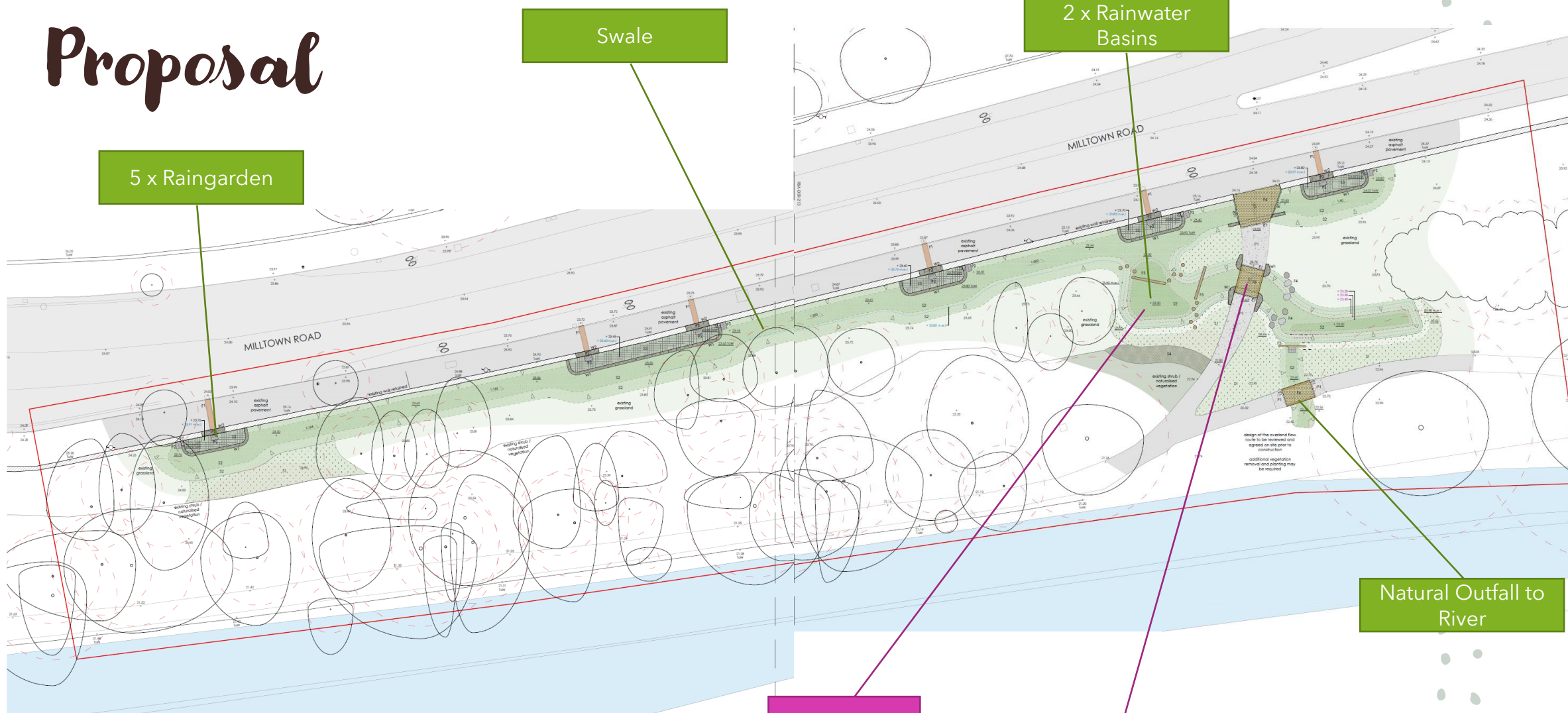
Swale

2 x Rainwater
Basins

Natural Outfall to
River

Informal Play

Footbridge



Street View

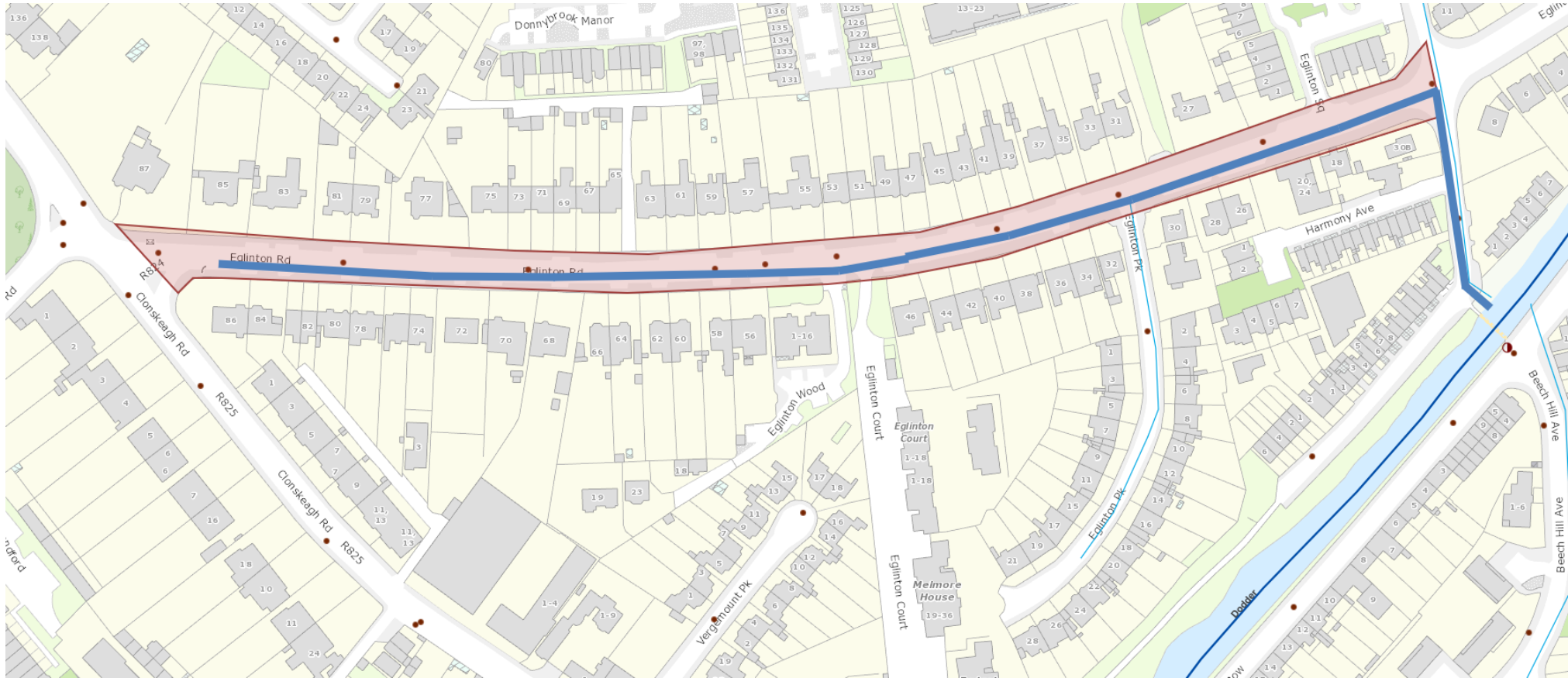


Eglinton Road

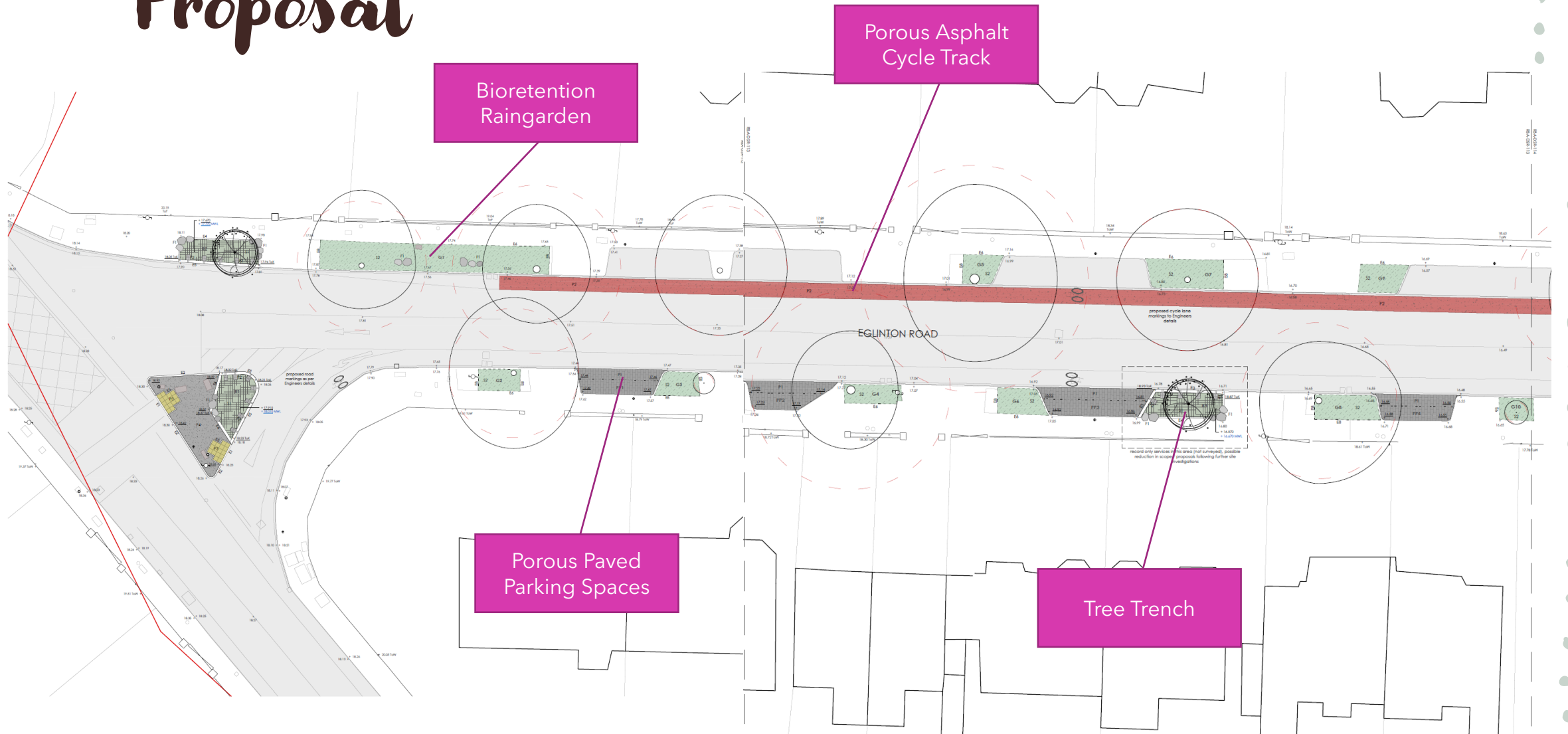
Location

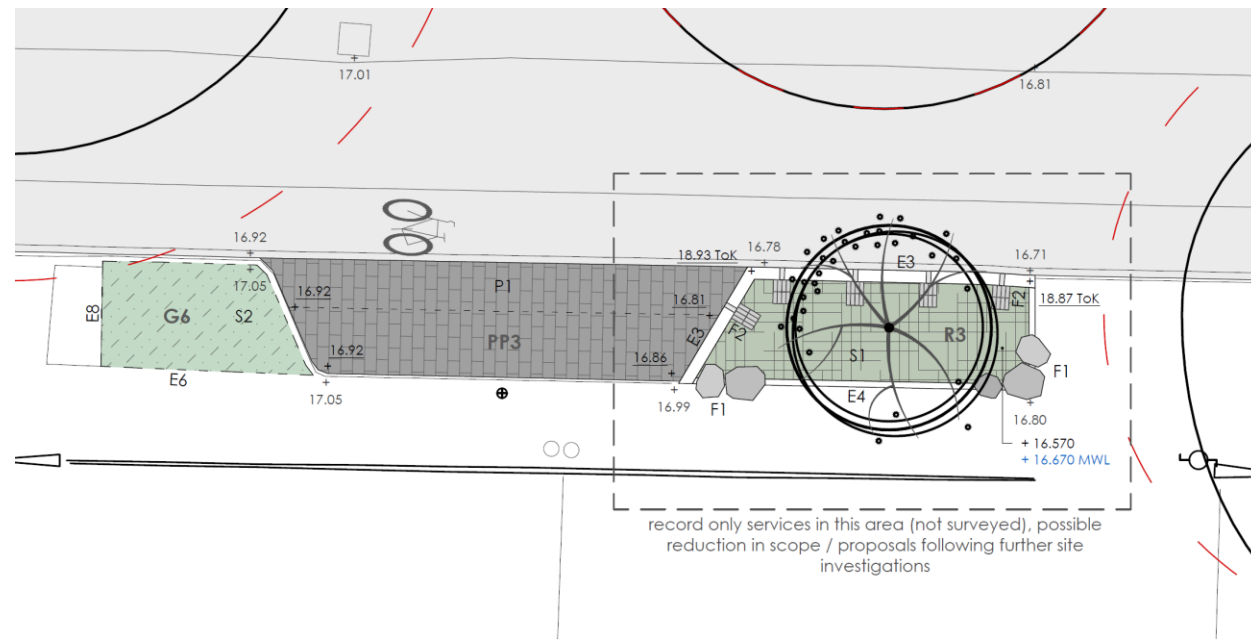
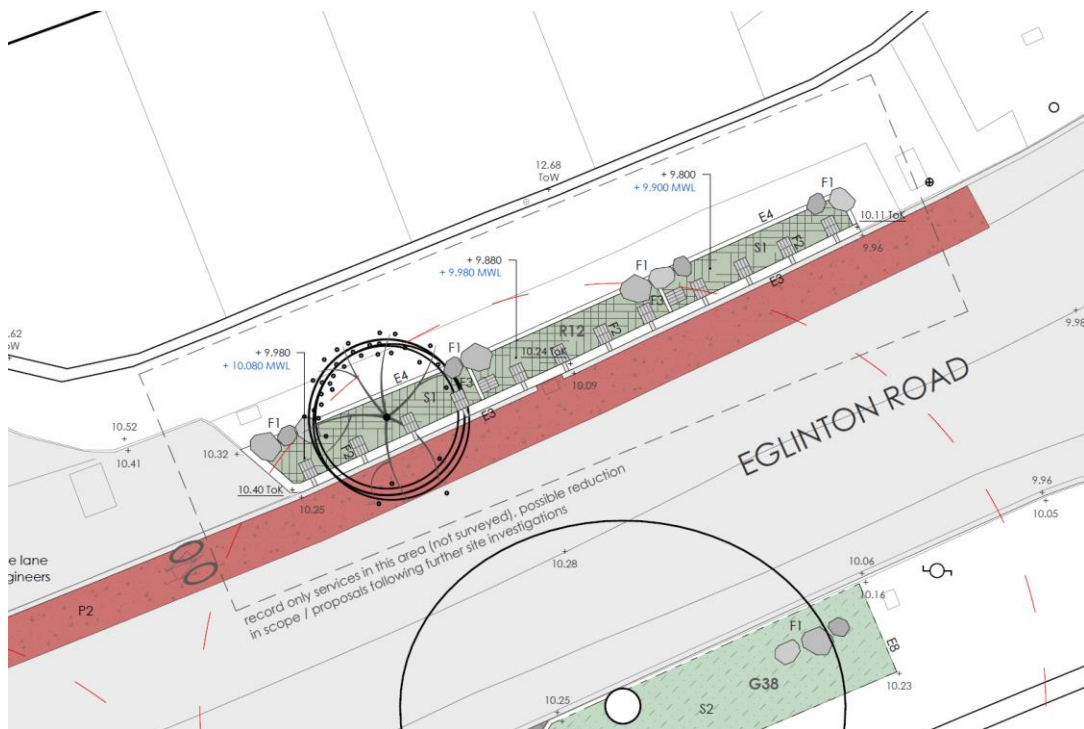


Catchment



Proposal





Tree Trench

Street View



Next Steps

- Q2, 2023 – Stakeholder Consultation
- Q2, 2023 – S.38 or Part 8
- Q3/4, 2023 to Q2, 2024 – Construction
- 2024 – 2025 – Monitoring Programme
- Q1, 2026 – Final Report

*approximate/anticipated timeline

More information

- [River Santry and River Dodder Rainscapes | Dublin City Council](#)
- wfd@dublincity.ie

Thank you

QUESTIONS?

