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



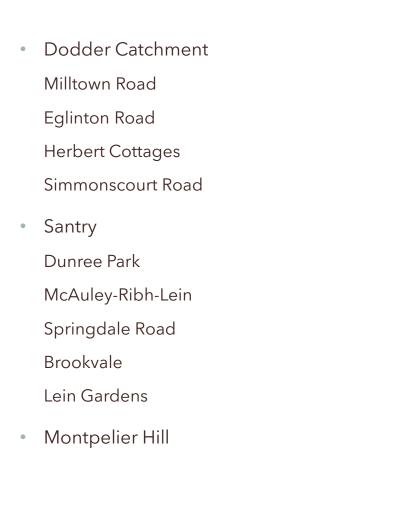
# Why Rainscapes

- 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)



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### Location





### Catchment

Surface Water Drainage



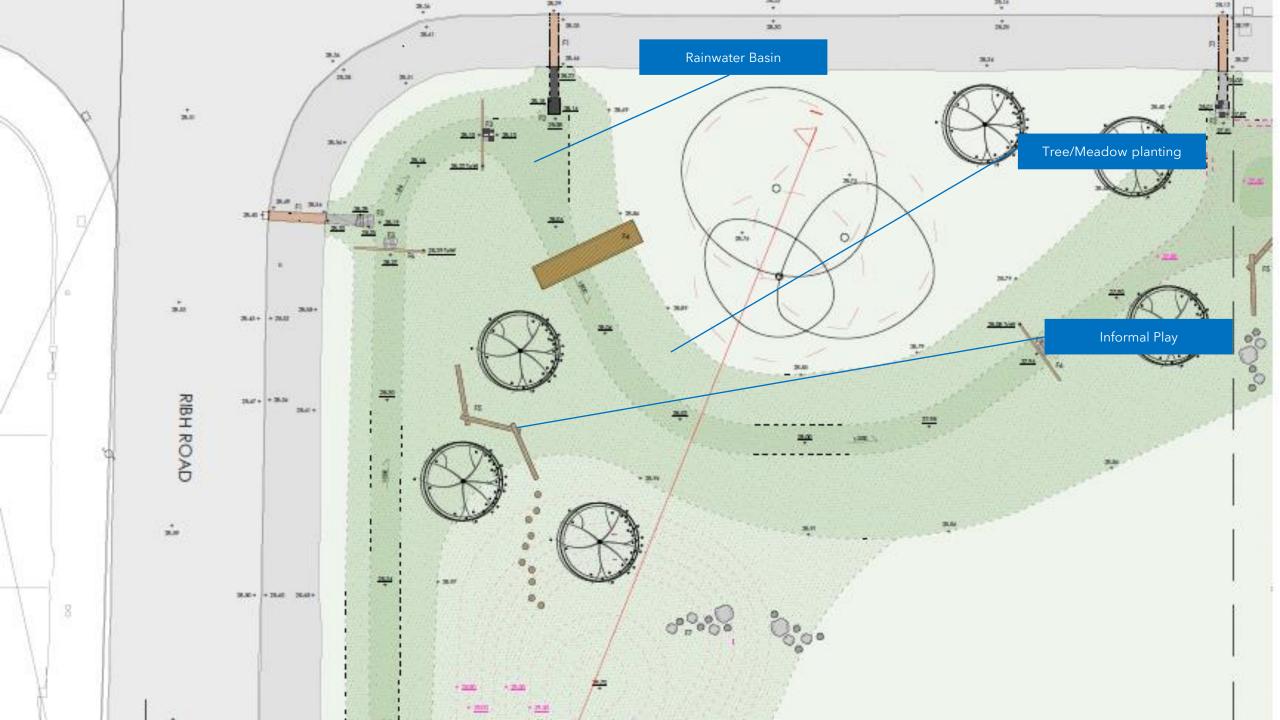
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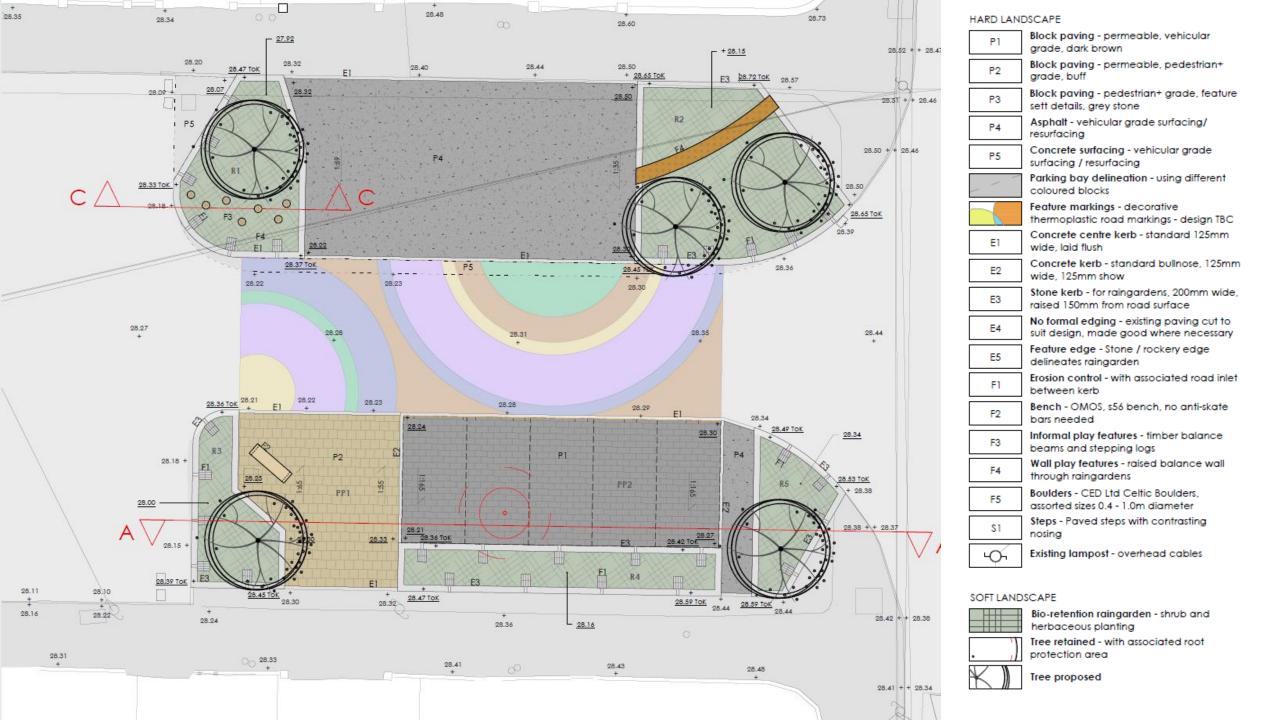
### Street View - McAuley Park



in City Counci



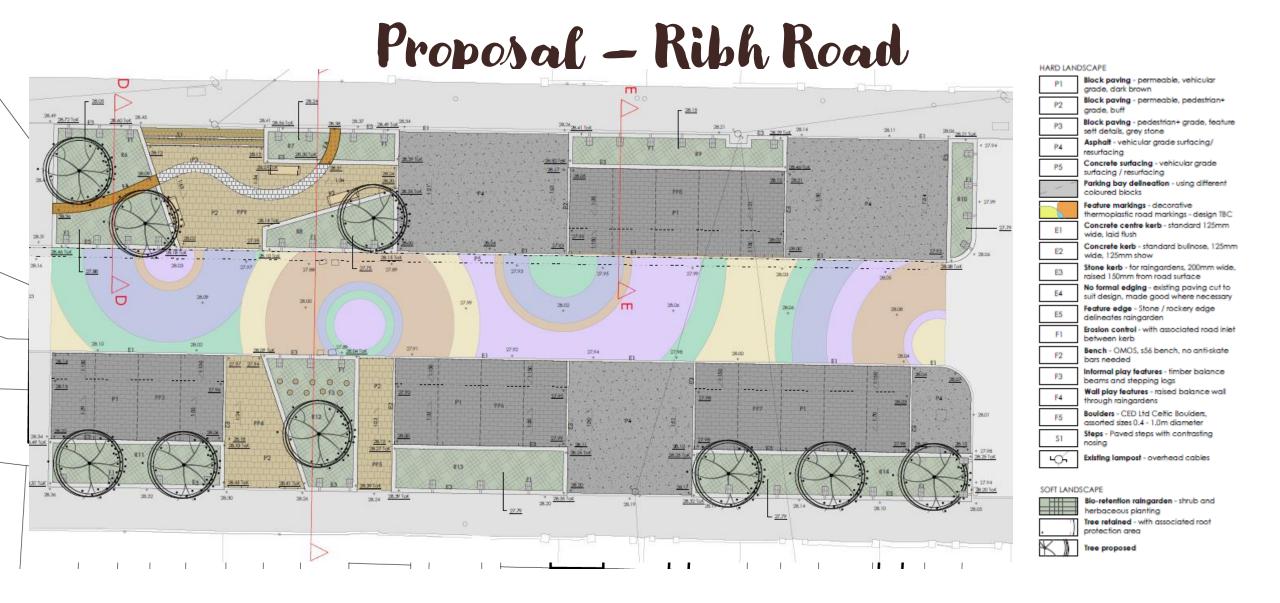




### Street View – Ribh Road







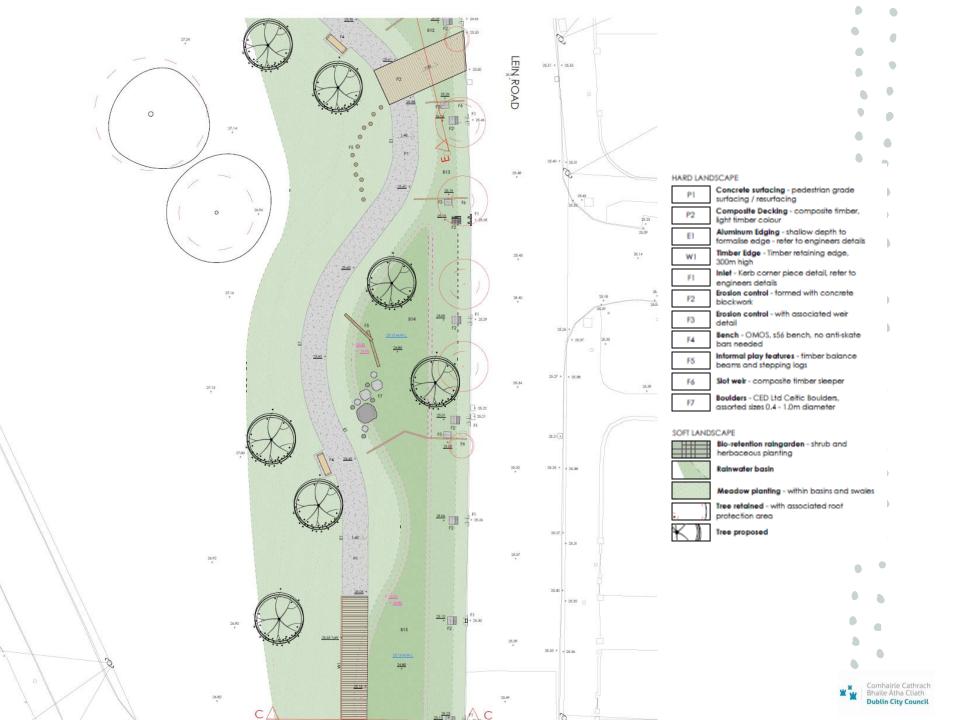
### Proposal – Lein Road

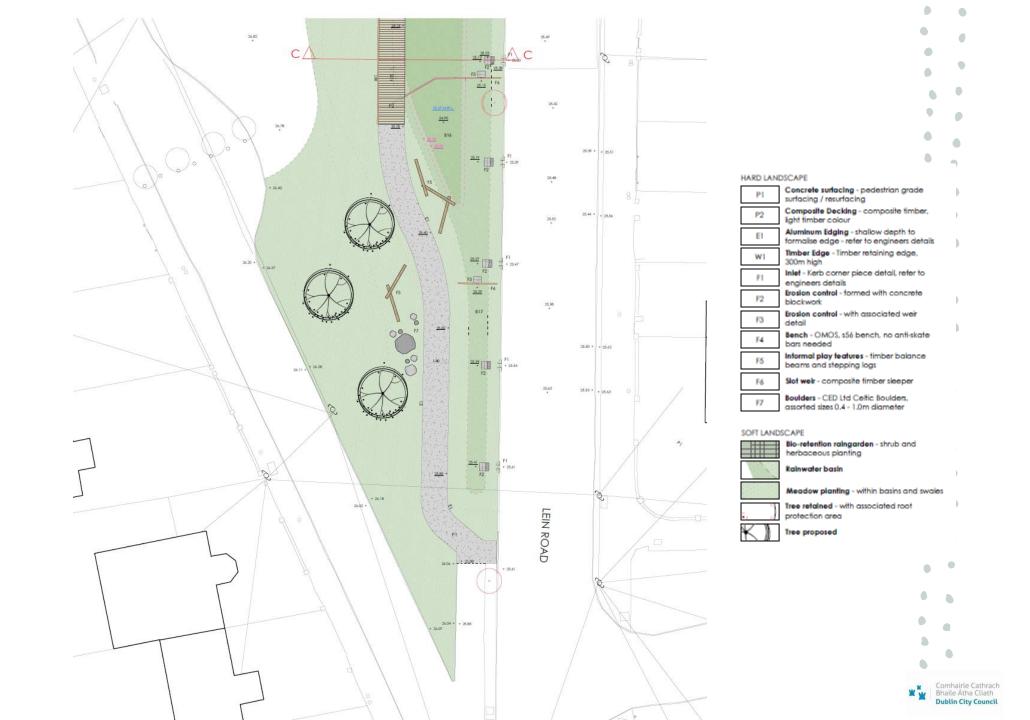




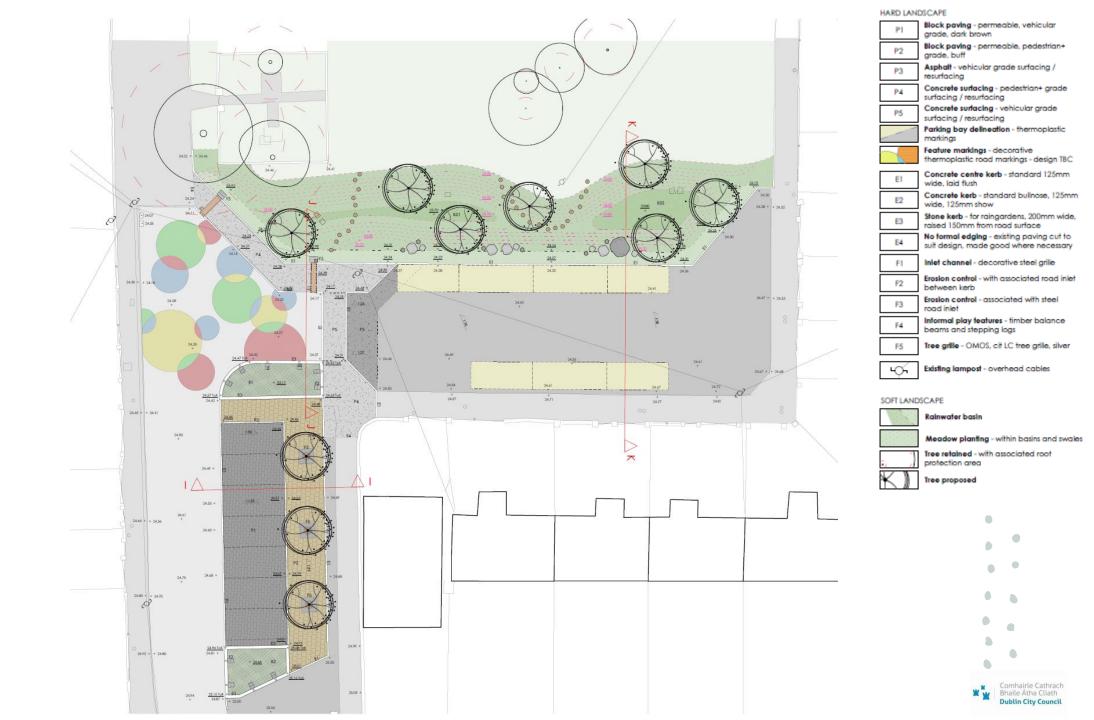












### Dunree Park



Detailed design not yet available.



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# 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?



