



Your Idlewood Greenway, your watershed

Design Consultation

May 1, 2024 from 5:00 – 8:00pm

Purpose

- ▶ Open House Purpose:
 - ▶ Provide context from the Integrated Stormwater Master Plan and how it led to the proposed project
 - ▶ Share what we heard from online surveys
 - ▶ Share designs for Idlewood Greenway stormwater facility and gather feedback
 - ▶ Outline the engagement and design process ahead
- ▶ Presentation Purpose:
 - ▶ Share about the project and how we got to today
 - ▶ Identify project staff who can help answer questions
 - ▶ Provide guidance for how to interpret the designs

What is Stormwater?



Why are we improving stormwater management?



Impervious surfaces in cities create more runoff



Rainfall is expected to increase



Most of Kitchener has no stormwater controls



Naturalized creeks and stormwater ponds:

Slow water down

Allow for more infiltration

Remove pollutants from stormwater

Create habitats for fish and birds

Stormwater Master Plan

The City of Kitchener conducted a City-wide Stormwater Master Plan with the help of Aquafor Beech which was approved by Council in 2016.

75% of Kitchener has no stormwater management facilities – including neighbourhoods around Idlewood Greenway.



Reduce future
flood risks



Protect and improve
water quality



Respond to
community needs

Locating Stormwater Infrastructure: Criteria from the Master Plan

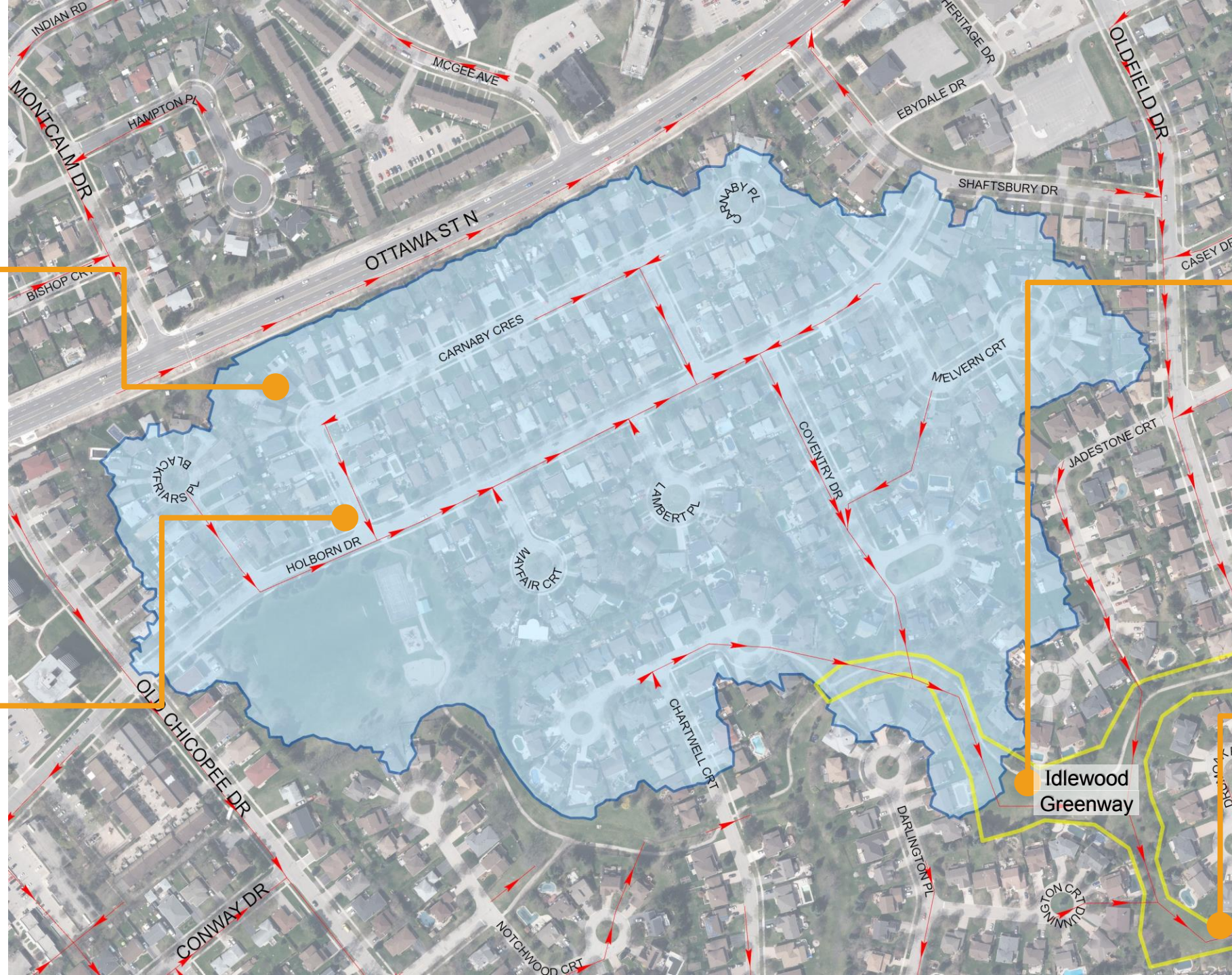
Criteria	Millwood Park
Space available > 1 hectare	Idlewood Greenway is 1.2 hectares.
Land is not privately owned	Idlewood Greenway is owned by the City of Kitchener
Storm sewer > 450mm	The storm sewer is 975 millimetres (0.975 metres) in diameter
Catchment area large enough	20 hectares drains to Idlewood Greenway and doesn't currently receive water quality treatment
Site not too steep	There is a large swale at Idlewood Greenway
Site does not have significant treed areas or wetland	There are mature trees, mostly around the perimeter
Possible to meet water quality criteria (DMAF Funding Criteria)	A facility at Idlewood Greenway could remove 80% of suspended solids in the runoff over the long term

Disaster Mitigation and Adaptation Fund

- ▶ Access to this funding means the City can install stormwater projects at a reduced cost to the community and on an accelerated timeline
- ▶ Funding is conditional on preparing designs that meet specified targets for stormwater diversion. Criteria are:
 - ▶ Infrastructure must last 80 years
 - ▶ Must be located on one site
 - ▶ Achieve 80% Total Suspended Solids (TSS) removal

The opportunity to access this funding allows the City to undertake these stormwater projects.

Canada 



Runoff from inside the blue solid lines does not have any water quality treatment right now

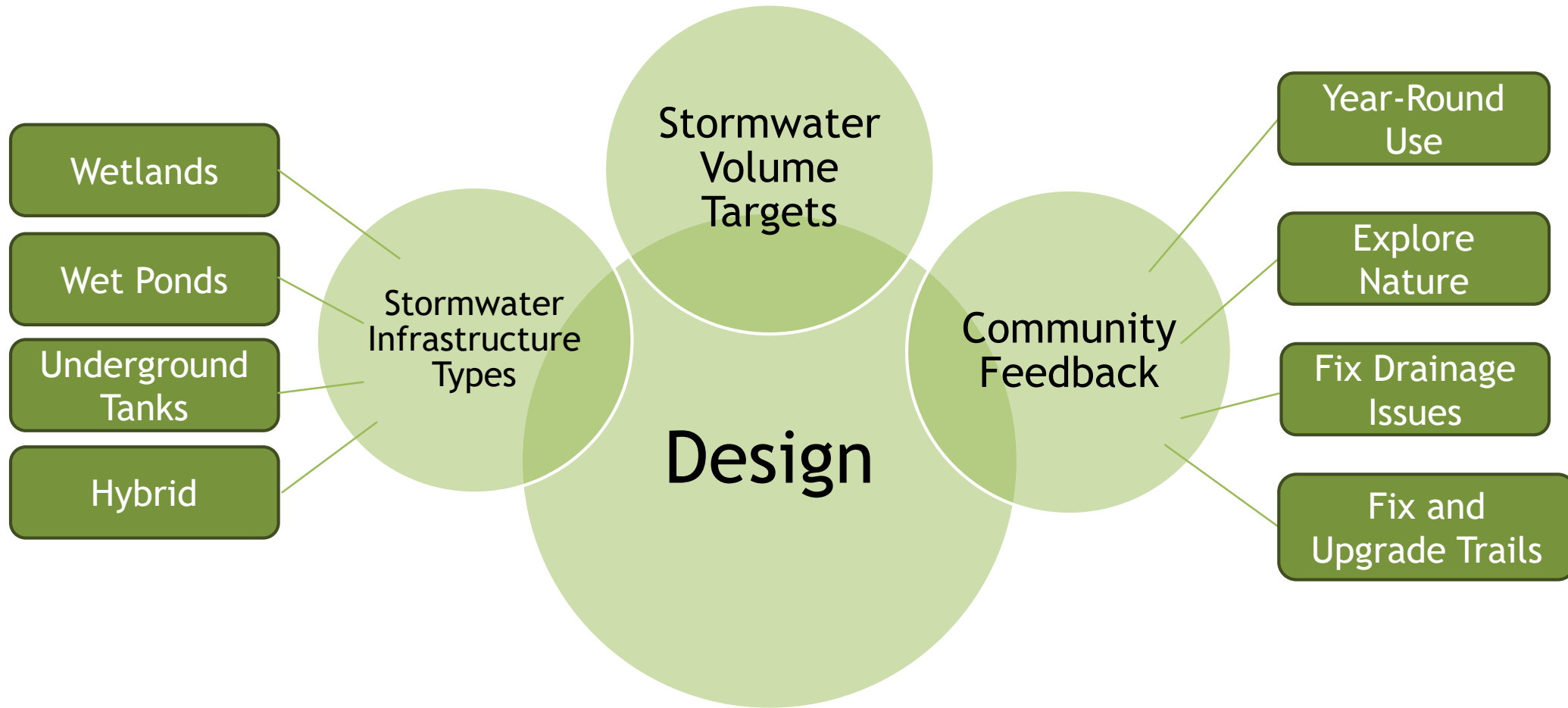
New stormwater facility is needed at Idlewood Greenway to improve water quality

Runoff that flows along the street and storm sewers in the blue area will flow to Idlewood Greenway

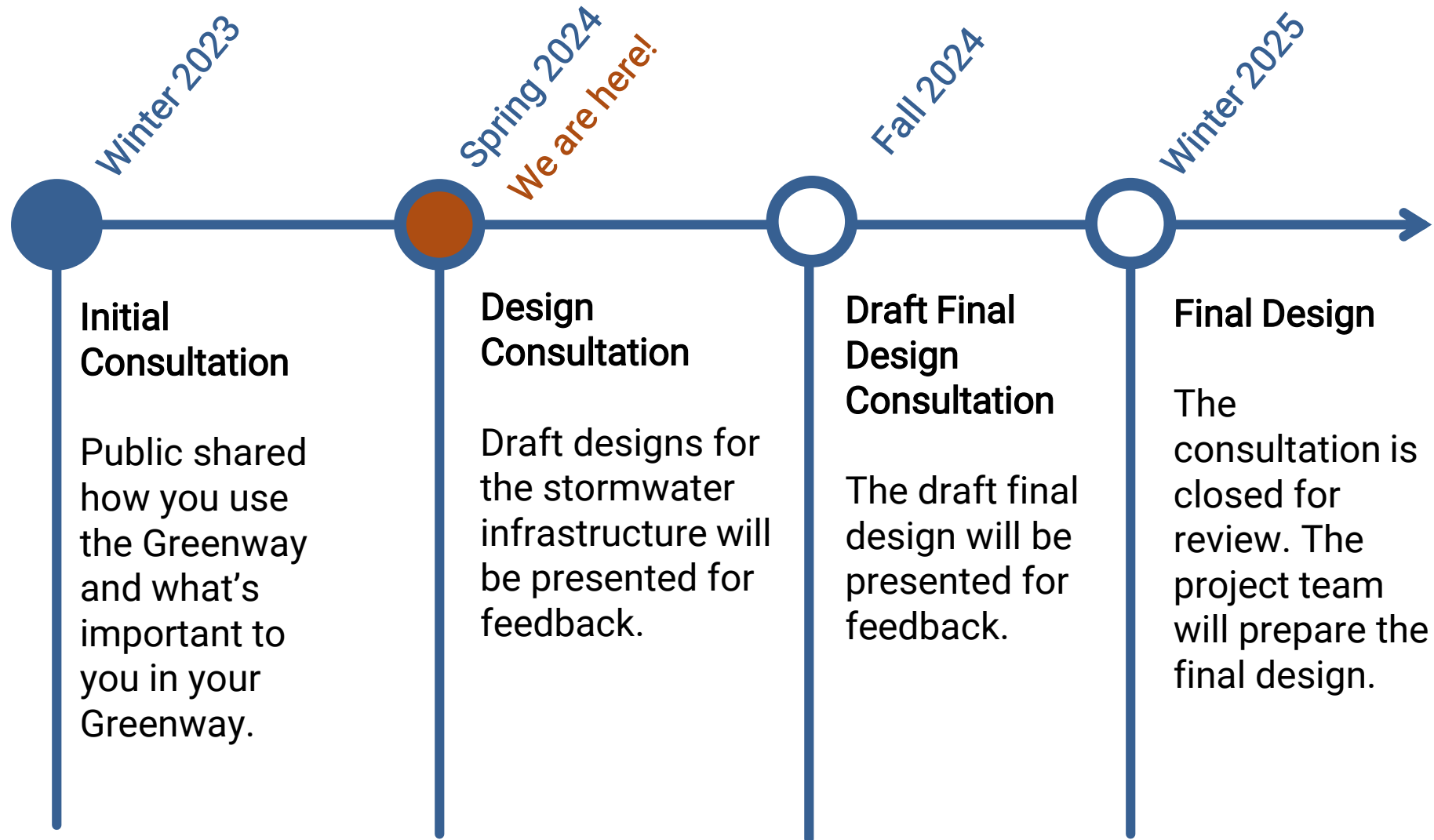
Downstream erosion and risks to infrastructure along Idlewood Creek can be reduced through a new stormwater facility

Idlewood Greenway

Design Development Process



Timeline



Format of the Evening

- ▶ Boards include project background, community feedback, and three concepts
- ▶ How to provide feedback?
 - ▶ Sticky notes
 - ▶ Passport
 - ▶ Feedback forms:
 - ▶ Online: engagewr.ca/idlewood-stormwater
 - ▶ In person
- ▶ How to ask questions?
 - ▶ Staff are present throughout the room
 - ▶ One-on-one chat station available

Who is Listening?

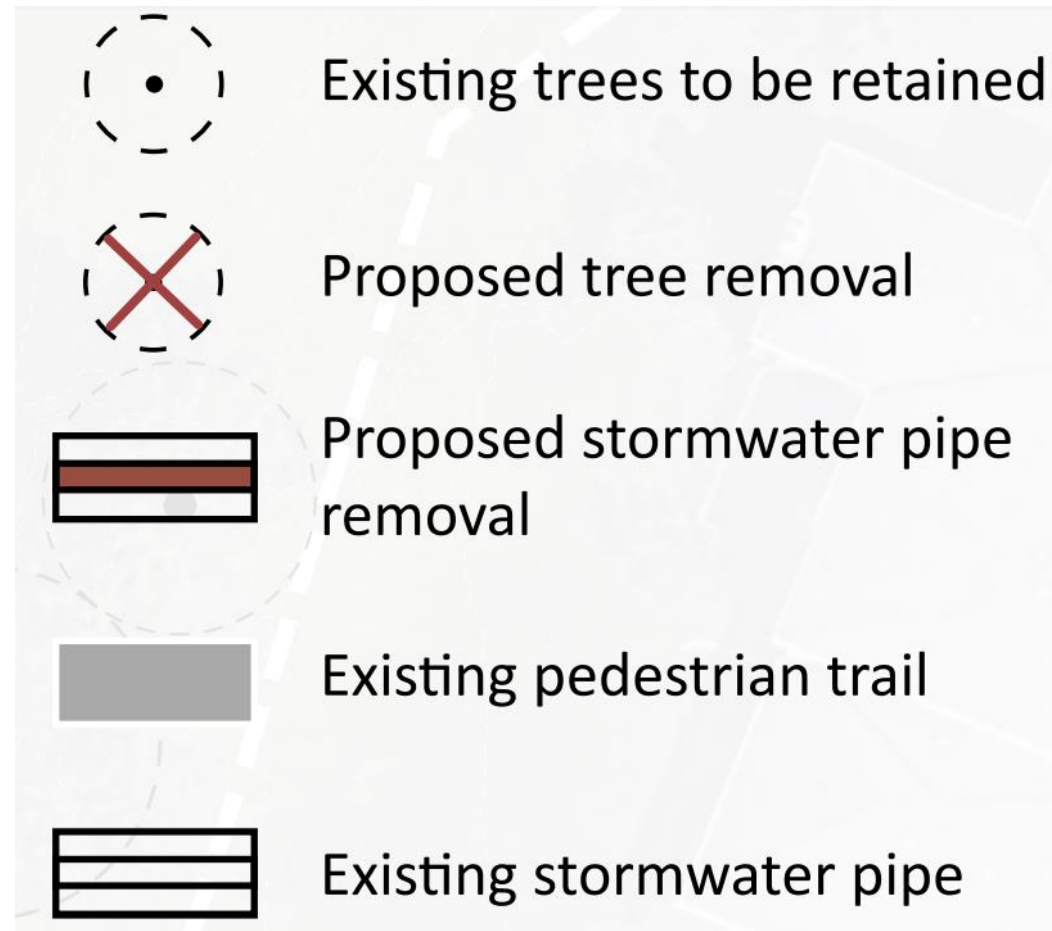
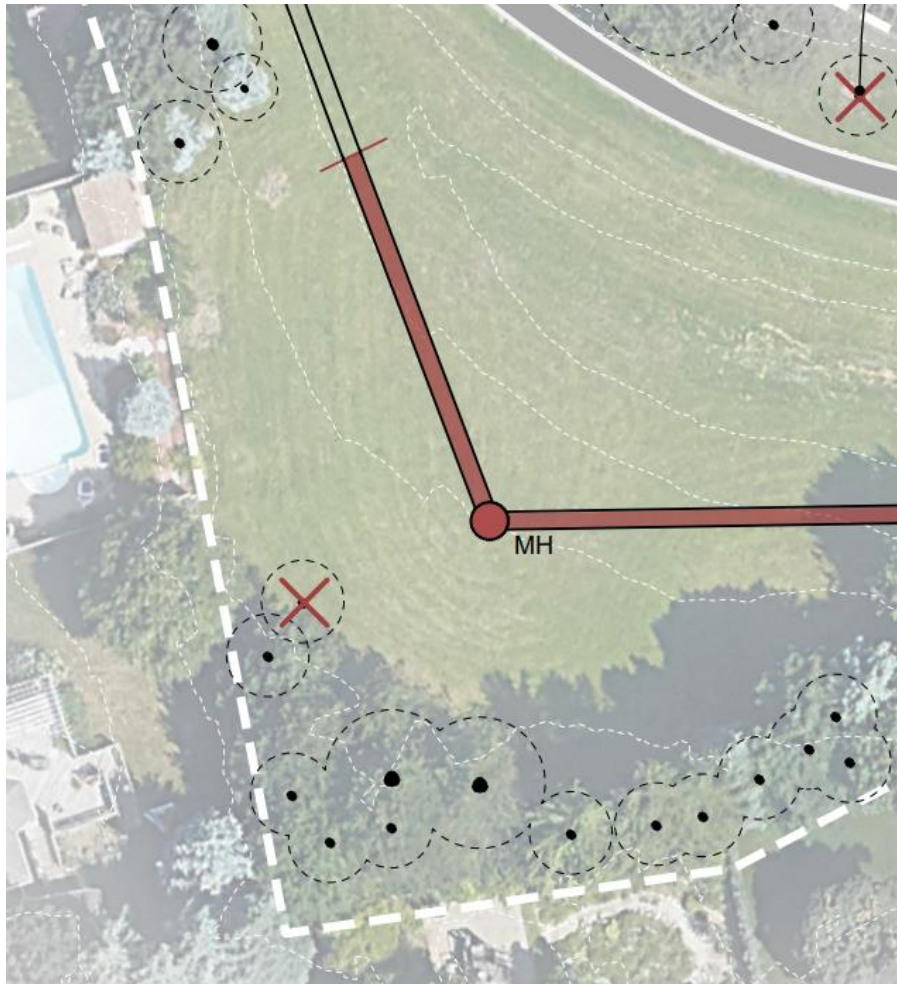
- ▶ **City of Kitchener Project Manager** - Pacifique Nicholas
- ▶ **City of Kitchener stormwater staff** - Sarah Anderson, Samantha Brickman
- ▶ **City of Kitchener parks staff** - Erin Eldridge, Liz Christensen

- ▶ **Aquafor Beech Project Manager** - Chris Denich
- ▶ **Aquafor Beech stormwater staff** - Will Cowlin, Alison Gingrich Regehr

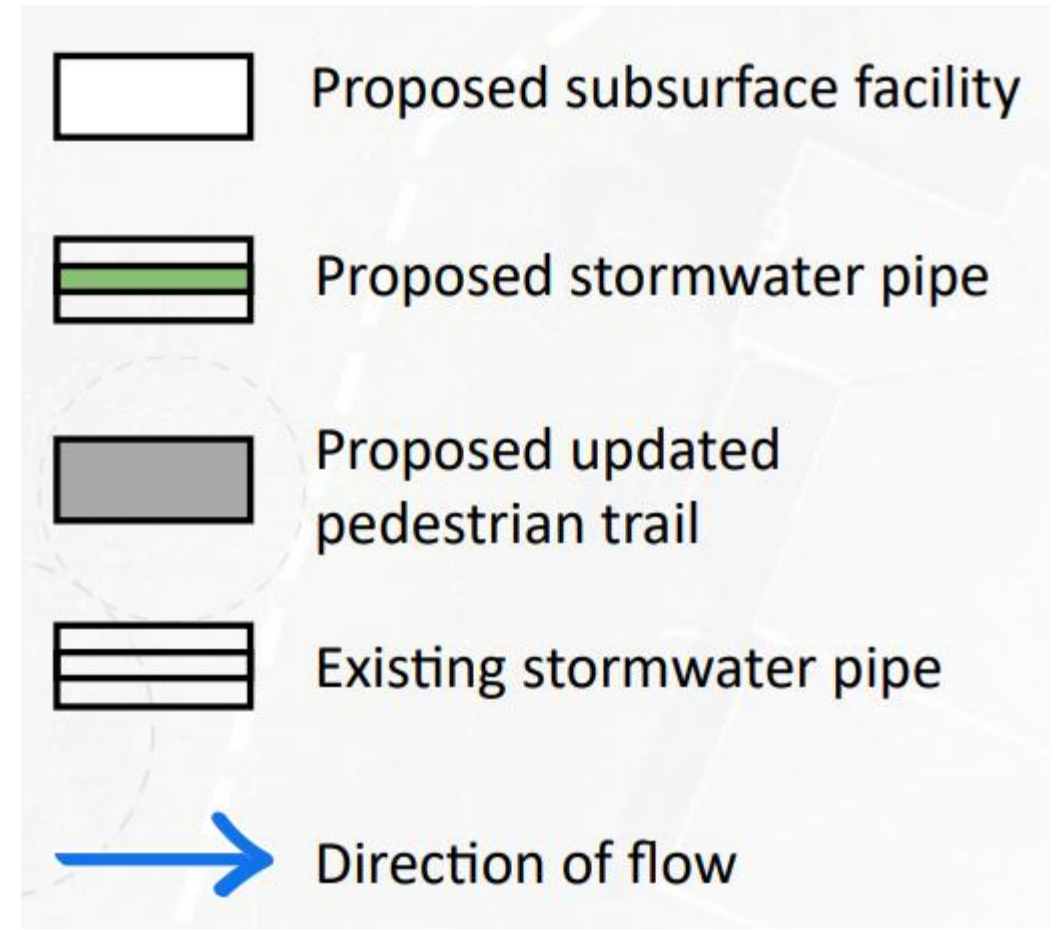
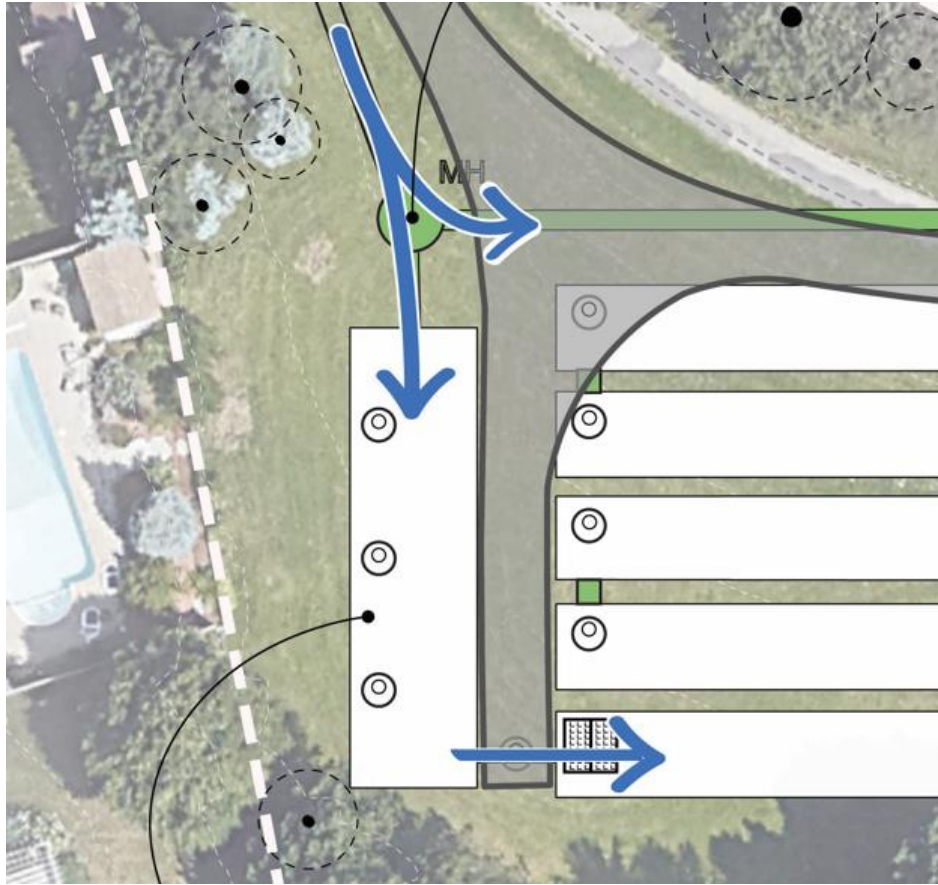
- ▶ **REEP Green Solutions**

How to read the designs

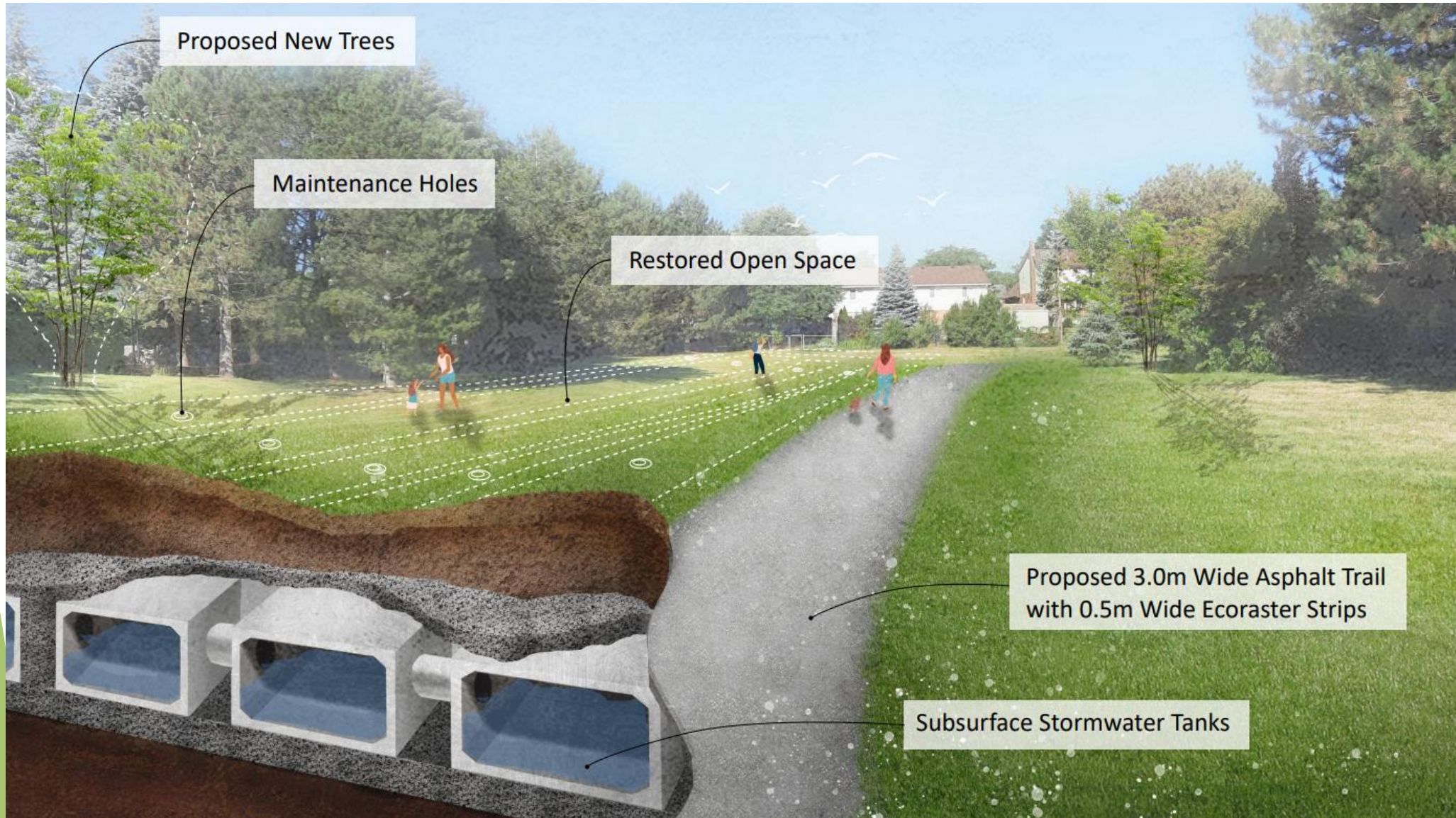
Drawings - What will be removed or changed?



Drawings - What will be added?



Drawings - What will it look like?



Thank You



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