

Help Shape This Project!

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Help shape the future of Countryside Park

Design Consultation

October 29, 2024 from 5:00 – 8:00 pm

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Stormwater Facility Project Background

The City of Kitchener completed an Integrated Stormwater Management Master Plan in 2016. It found that about 75% of Kitchener has no stormwater management facilities. The Master Plan included a thorough analysis to find places for new facilities. It found twelve locations for new stormwater facilities. Countryside Park was one of these locations.

Master Plan Criteria	Countryside Park
An area bigger than 1 hectare	Countryside Park is 2.5 hectares
Land is not privately owned	Countryside Park is owned by the City of Kitchener
A nearby storm sewer diameter is bigger than 450 millimetres	The storm sewer on Rittenhouse Road is 525 millimetres (0.525 metres) in diameter. The storm sewer on Countryside Crescent is also 525 millimetres (0.525 metres) in diameter.
The catchment area is large enough	4.5 hectares drains to Countryside Park at Rittenhouse Road. 6 hectares drains to Countryside Park at Countryside Crescent. None of this area currently receives water quality treatment
The site is not too steep	There is a field and hill at Countryside Park
The site does not have significant treed areas or wetland	There are some mature trees at Countryside Park
Ability to meet the City's water quality criteria	Facilities at Countryside Park could remove 70% of suspended solids in the runoff over the long term

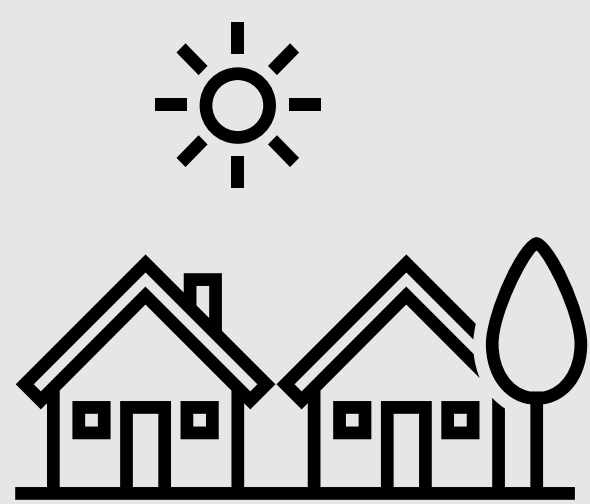
Based on the Master Plan recommendations, this project will aim to...



Protect and improve water quality



Reduce future flood risks



Respond to community needs

Catchment Area

About 10.5 hectares drains to Countryside Park from Rittenhouse Road and Countryside Crescent. None of the runoff from this area is treated to improve water quality.

A new stormwater facility is needed at Countryside Park. It will help improve water quality in the Rittenhouse Road catchment area. It will also provide added flood benefits.

Runoff that flows along the street and storm sewers inside the blue area will flow to Countryside Park along Rittenhouse Road. This runoff does not have any water quality treatment or flood control right now

A new stormwater facility is needed at Countryside Park. It will help improve water quality in the Countryside Crescent catchment area. It will also provide added flood benefits.

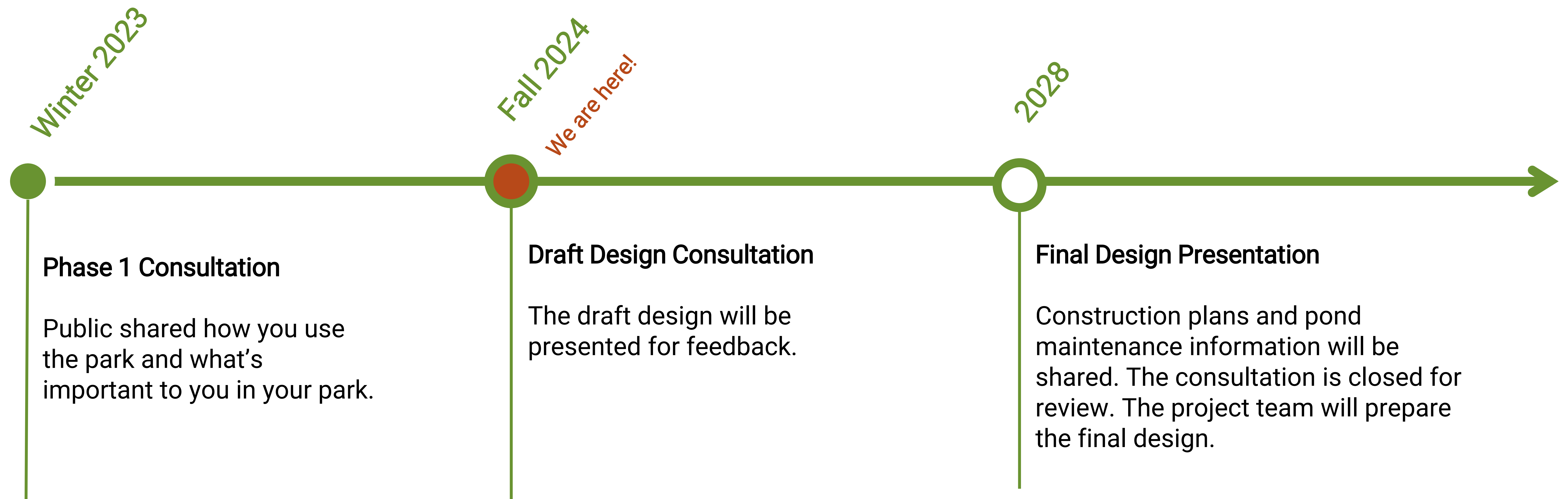
Runoff that flows along the street and storm sewers inside the blue area will flow to Countryside Park along Countryside Crescent. This runoff does not have any water quality treatment or flood control right now



Engagement and Project Timeline

Today's event aims to present the design we developed after receiving the community's feedback in 2023. We are looking for your feedback on the proposed design.

Where are we in the study process and when will you see us next?



Project Constraints

Infrastructure Constraints

The stormwater facilities must be low enough to allow water to enter from the existing storm sewer. They must be high enough for water to leave the facility and enter the existing storm sewer during a rain event. Because of the depth of the storm sewers, the two facilities can't be combined.

Water Treatment and Funding

Funding criteria were updated. The facilities must now remove 70 percent of total suspended solids from the runoff to receive DMAF funding. In future, the City may be able to build a pretreatment device to remove 80 percent.

Open Spaces

The central part of the park is an important open space for playing sports. This area needs to remain open for sports activities.

Park Ownership

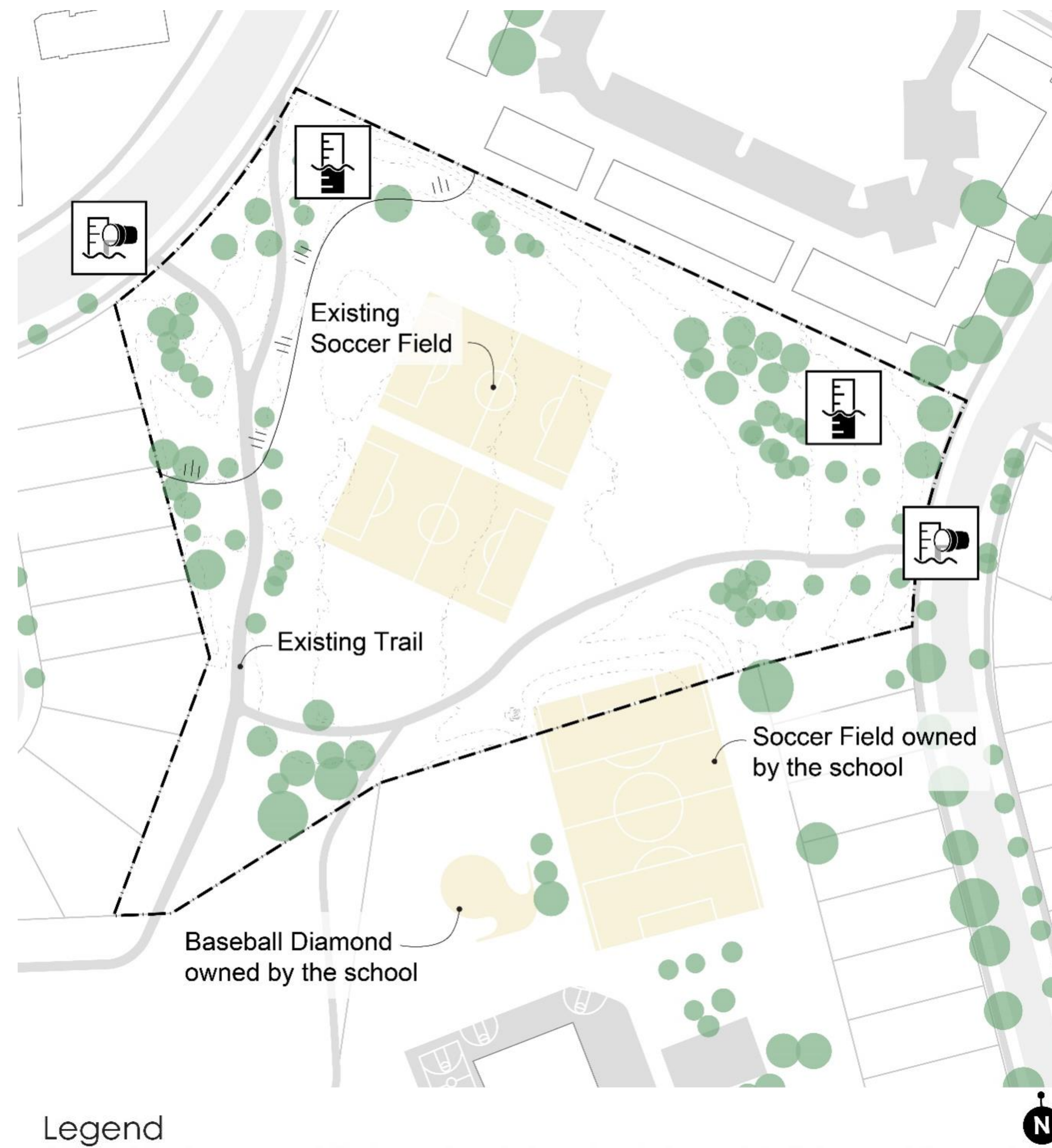
The City owns Countryside Park. The land around the park is privately owned. Land to the south is owned by Blessed Sacrament Catholic School and École élémentaire catholique Cardinal-Léger.

Park Grading & Hills

The park is home to some significant hills that limit the extent of land available.

Trees

There are many important trees in Countryside Park. The facilities should result in as few tree removals as possible.



Legend

Grading Constraint	Property Constraint	Existing Sports Courts	Vegetation Constraint	Storm Sewer Constraint	Outlet Elevation Constraint

What We Heard – Countryside Park Experiences

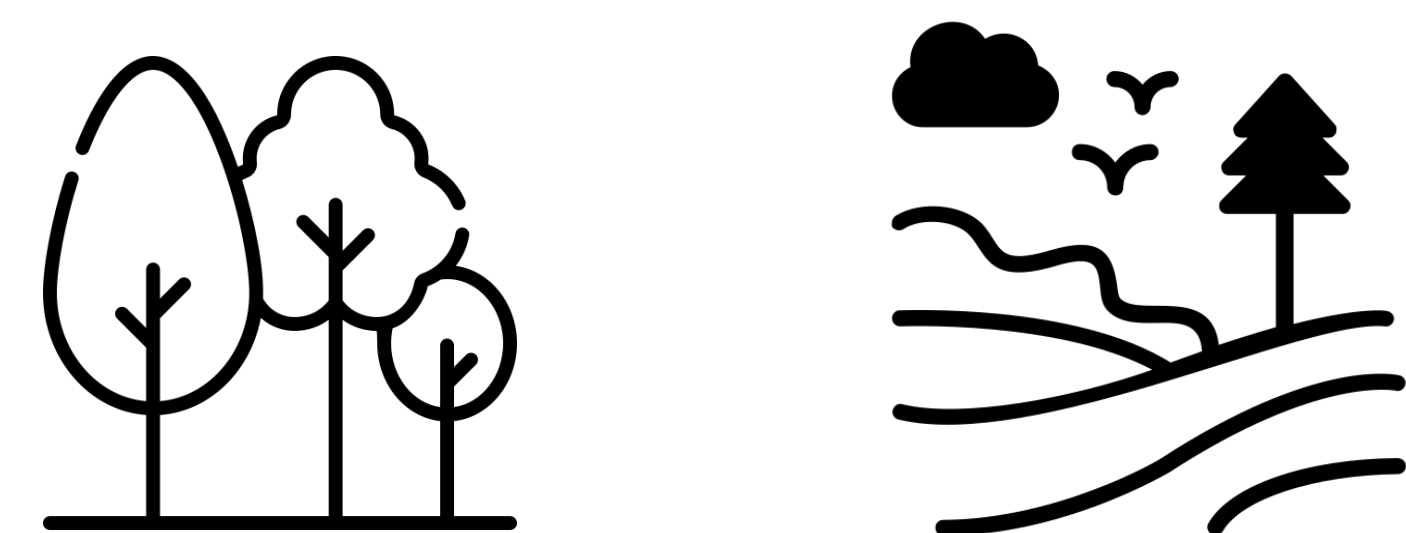
We heard you! Here are some common experiences people enjoy at Countryside Park:



Using the park all year for walking trails, exercise, and sports.



Spending time alone or with family in a safe outdoor space.



Immersing in nature, by enjoying the open space and mature trees in the park.

We heard that there are changes people would like to see in the future, such as:



Add more seating options.



Clear the trails in the winter to make it more accessible.

Not all requests are possible, such as:



More lighting in the park was requested, but is not part of this project.

Countryside Park

Context Map



0204060m

N

Existing Trail

Upgraded Trail

Normal Water Level

Proposed Trail

Stormwater Pond

Preserved Open Space

Subsurface Facility

Surrounding Open Space

Property Boundary

Planting Improvements

Countryside Park

Site Plan



Community Inspired Features

Asphalt Trail



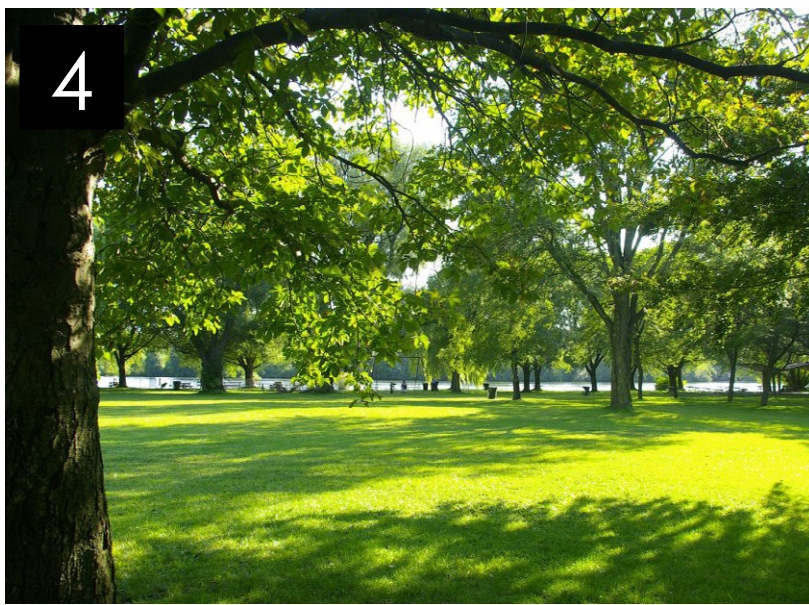
Stormwater Pond



Subsurface Facility



Canopy Improvements



Open Space



Soccer Field



Stone Seat Wall



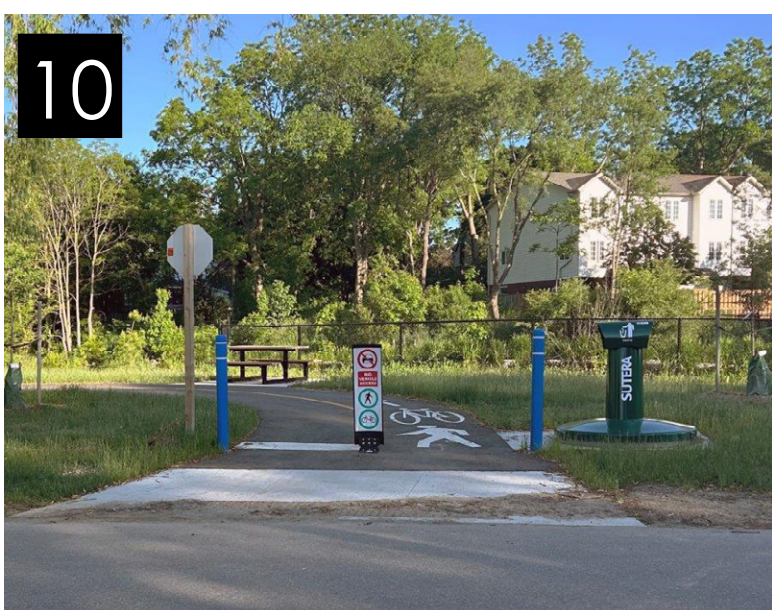
Standard Bench



Post and Paddle Fence

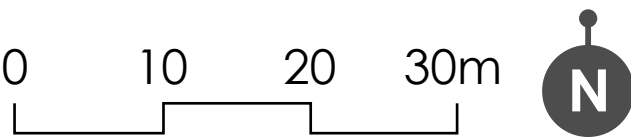


Park Entrance



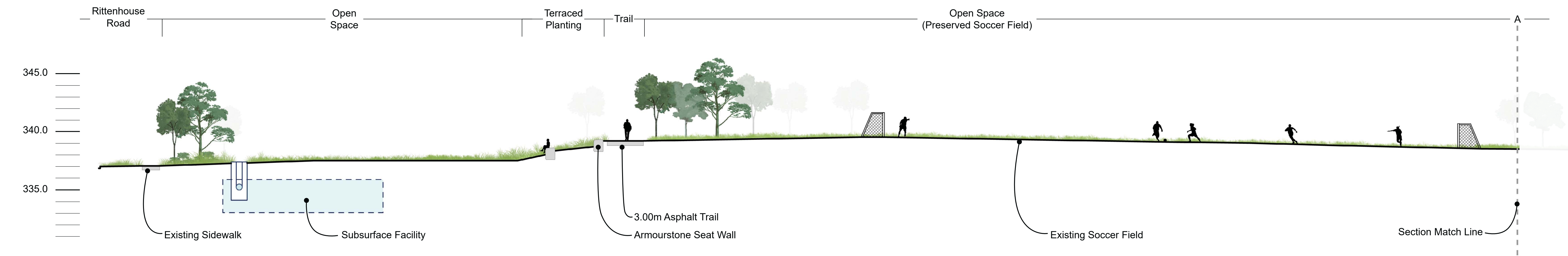
Legend

- Normal Water Level (Elev: 333.40m)
- Post and Paddle Fence
- Existing Trees
- Armourstone
- Major Overland Flow
- Property Line
- Proposed Trees
- Cross Section
- Existing Storm Sewer Piping
- Proposed Storm Sewer Piping
- Subsurface Facility

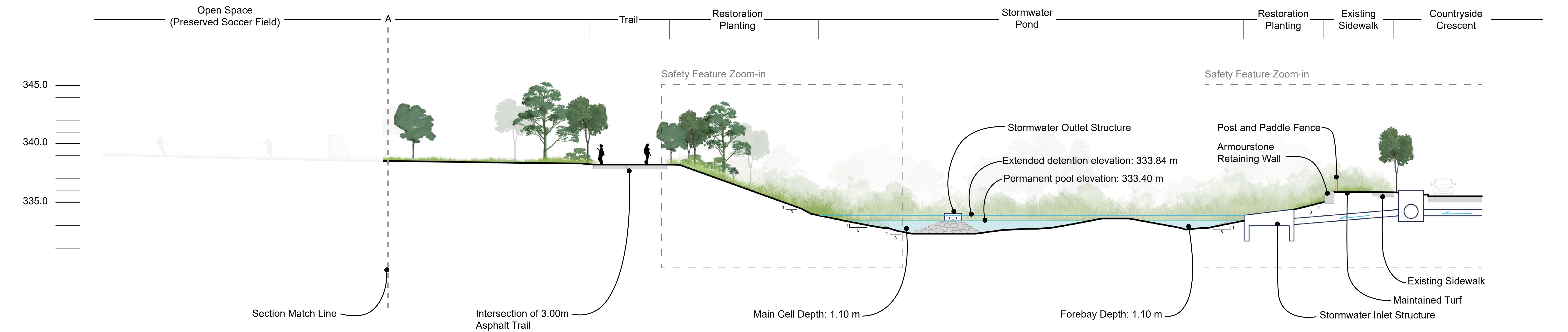


Countryside Park

Cross Sections



Cross Section 1-A: Looking Northeast



Cross Section A-1: Looking North

Countryside Park

Planting Plan



Pond Restoration

Trees



Eastern Cottonwood



Peached-leaved Willow



Large Tooth Aspen



Shinning Willow



Hackberry



Red Maple

Shrubs



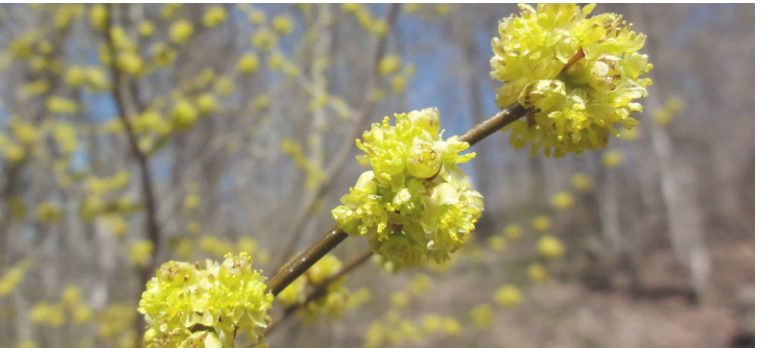
Sandbar Willow



Southern Arrowwood

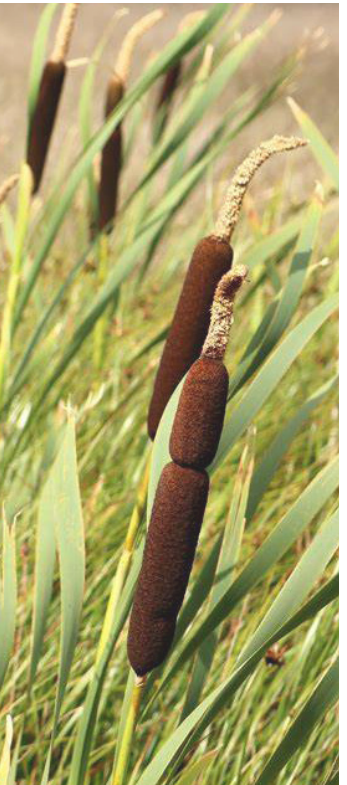


Downy Serviceberry



Common Spicebush

Aquatics



Common Cattail



Pondweed



Hard Stem Bulrush



Bottlebrush Sedge



Arrowhead



Soft Stem Bulrush

Tree Canopy Improvements

Trees



Bur Oak



Shumard Oak



Shellbark Hickory



Kentucky Coffee Tree



Chinquapin Oak



Bitternut Hickory



American Sycamore

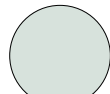


Tulip Tree

Legend



Existing Canopy



Existing Trees to Remain



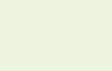
Existing Trees to Remove



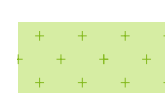
Pond Aquatic Zone



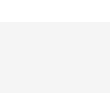
Pond Restoration Zone



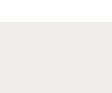
Maintained Turf



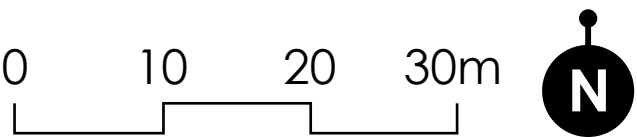
Preserved Open Space (with sod edge)



Adjacent Road

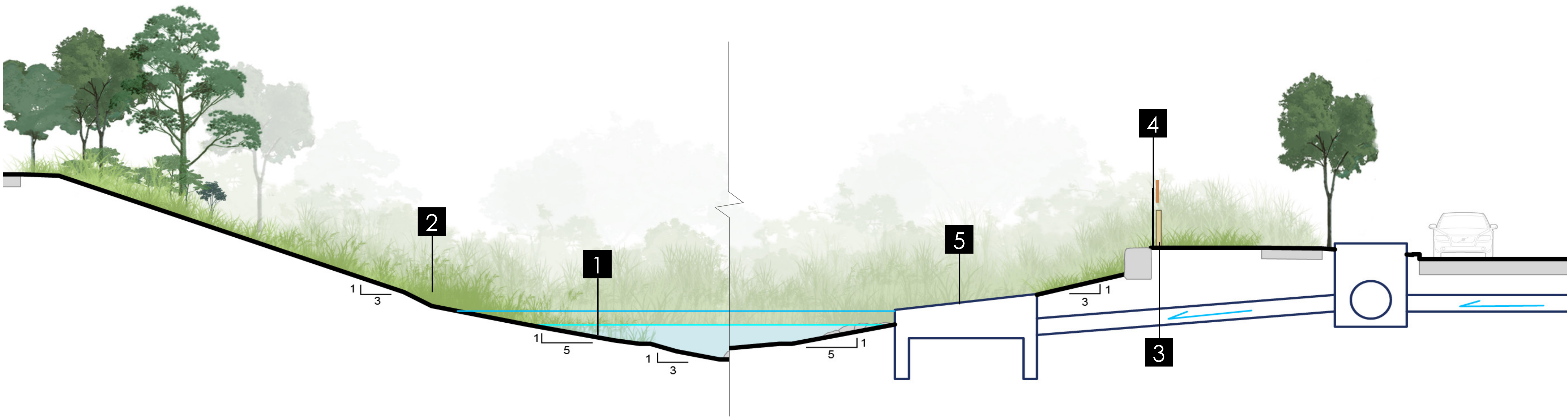


Existing Sidewalk



Countryside Park

Safety Features



1 Safety Pools/Aquatic Shelf



2 Walkable Slopes & Vegetated Barrier



3 Post & Paddle Fence



4 Warning Signage



5 Sewer Safety Grate

