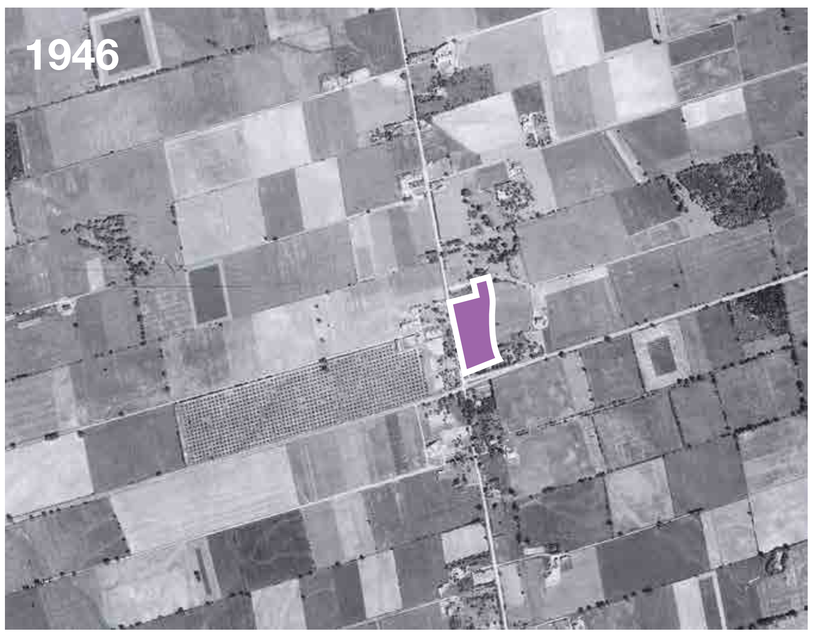
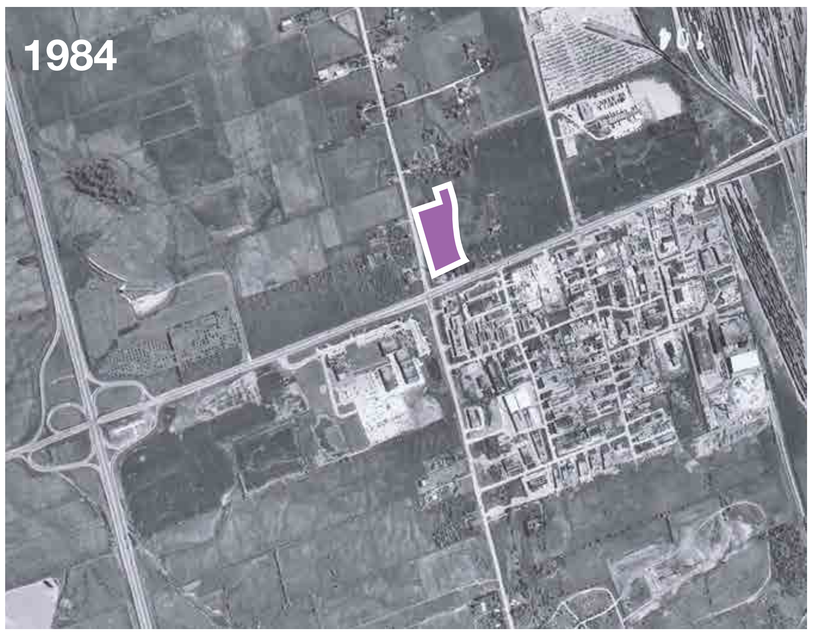
Edgeley Pond + Park | The Story



Historical Aerial Photo



Historical Aerial Photo

Current Aerial Photo

DESIGN VISION

Edgeley Pond and Park is the next step in the evolution of the Vaughan Metropolitan Centre. Its dramatic topography, naturalized waterways, and woodland groves recall the areas rich landscape heritage, one that was originally dominated by apple orchards and rolling valley lands. This new open space will act as a **catalyst** for the VMC by supporting its dynamic and fast-paced transformation through innovative ecologically-sensitive stormwater management design, creation of unique spaces, and the seamlessly integration of parkland amenities where VMC residents and visitors can **interact**, **learn**, **play**, and **grow**.

HISTORY OF EDGELEY

The Village of Edgeley was established over two centuries ago around the intersection of Jane Street and Highway 7 with a small collection of services which included a post office and general store, hotel, cider mill, steam-powered wood mill and casket maker, church, hall, blacksmith shop and slaughter house. The community of Edgeley was known for fruit production, mainly apples, because of its fertile land, which is represented in local street names. The central island on the site with two-hundred year old Red Oak trees is a reminder of the spirit of the Village of Edgeley.

The industrial character of the Edgeley area took a stronghold with the 1,000-acre Canadian National Railway marshaling yards which opened in 1965.

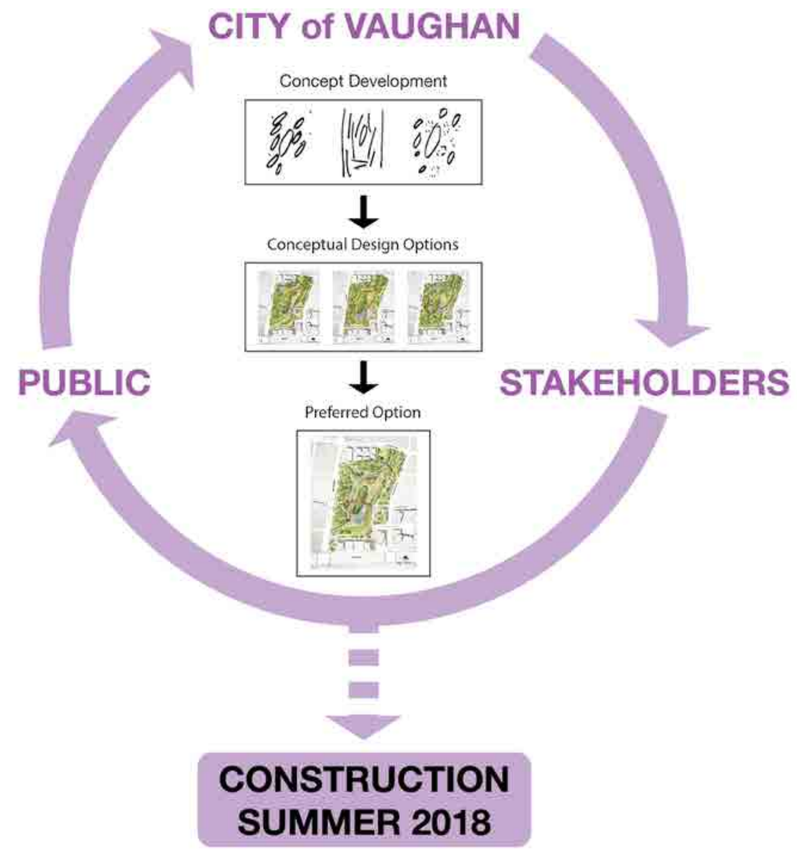
The City of Vaughan continued to evolve through the urbanization of agricultural lands. Edgeley Pond and Park is located with the heart of a major regional industrial area and transportation network.

CURRENT CONDITIONS

Black Creek currently flows through the site and mixes with urban stormwater. The new design will improve the quality of urban stormwater and help better manage the 760 hectares of Black Creek sub-watershed that enters the site from the north. Flooding controls and water quality improvements will help to unlock adjacent development while providing a park space for all to enjoy.

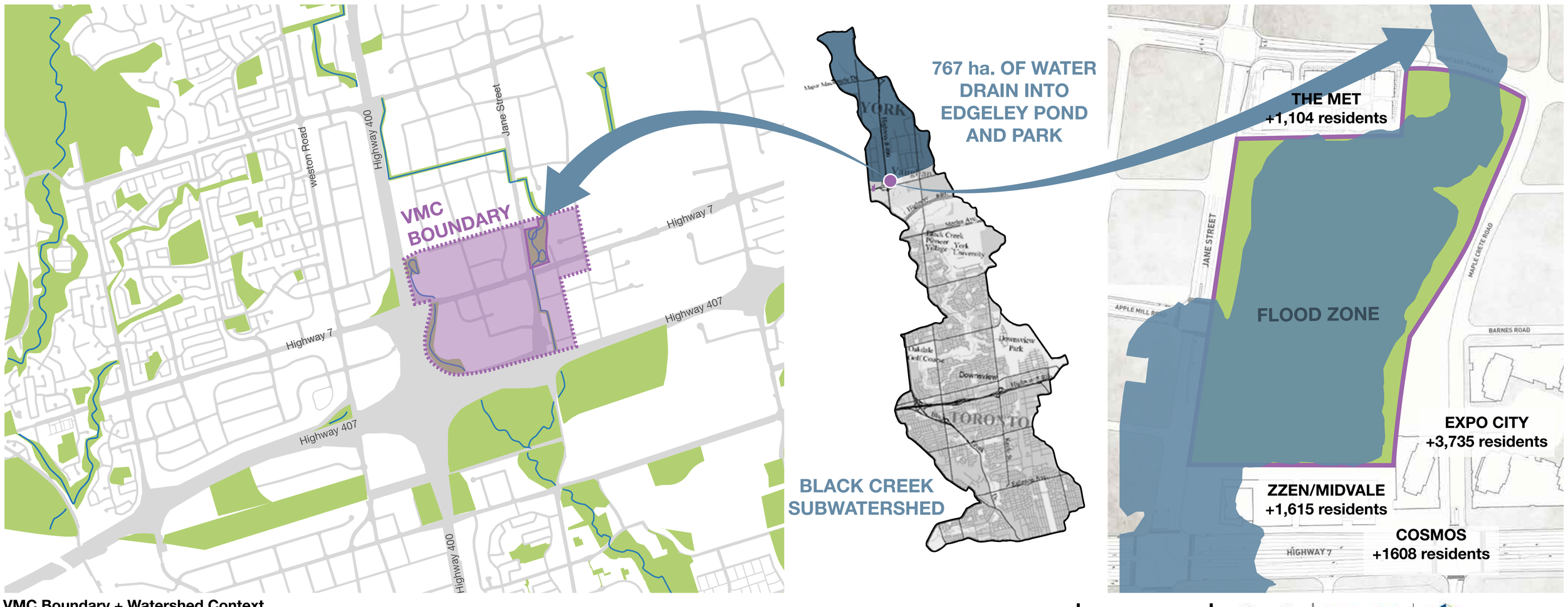
A new and improved Black Creek corridor will be design in parallel with a complex ecological landscape that will transform the site into a diverse habitat area that will strengthen and expand the existing flora and fauna.

CONCEPT DEVELOPMENT + EVOLUTION



Current Site Photo Looking North

Current Site Photo Looking East



VMC Boundary + Watershed Context

Conceptual Design Options

CONCEPT 1 / Sculpted Landforms

Vision statement: Sculpted landforms define the language and form of the park, organizing the storm water management, social spaces and ecological areas of the site.

CONCEPT 2 / Terraced Landforms

Vision statement: Architectural walls and grade separations organize a more formal landscape approach, creating terraces that step down from the surrounding streets and development edges into the park.

CONCEPT 3 / Basins + Ecologies

Vision statement: Through the strategic manipulation of topography, placement of walls, and the creation of a series of stormwater basins, new social and ecological clusters are be created.

Guiding Principles

1 DESIGN A PARK FOR THE FUTURE

To design Edgeley Pond and Park as a flexible frame work, one that embraces and celebrates the site's important history, and can respond and adapt to changing needs of the community.

2 CELEBRATE STORM WATER

To integrate innovative stormwater management, improve water quality and the ability to manage stormwater during flood events. To celebrate the heritage of Black Creek and the roots of the Edgeley community in order to increase awareness to how the urban and natural environment can support both the environmental and social processes of the VMC.

3 ESTABLISH HABITAT, ENHANCE ECOLOGY, EDUCATE AND INFORM

To enhance and strengthen existing ecologies, to introduce appropriate new habitats and enrich native flora.
To demonstrate and educate how to live sustainably; and to showcase the stormwater facility the dynamic processes that define the site, the changing nature of Black Creek and open water as well as the evolving ecologies and its relationship to larger regional systems.

4 CREATE NEW CONNECTIONS

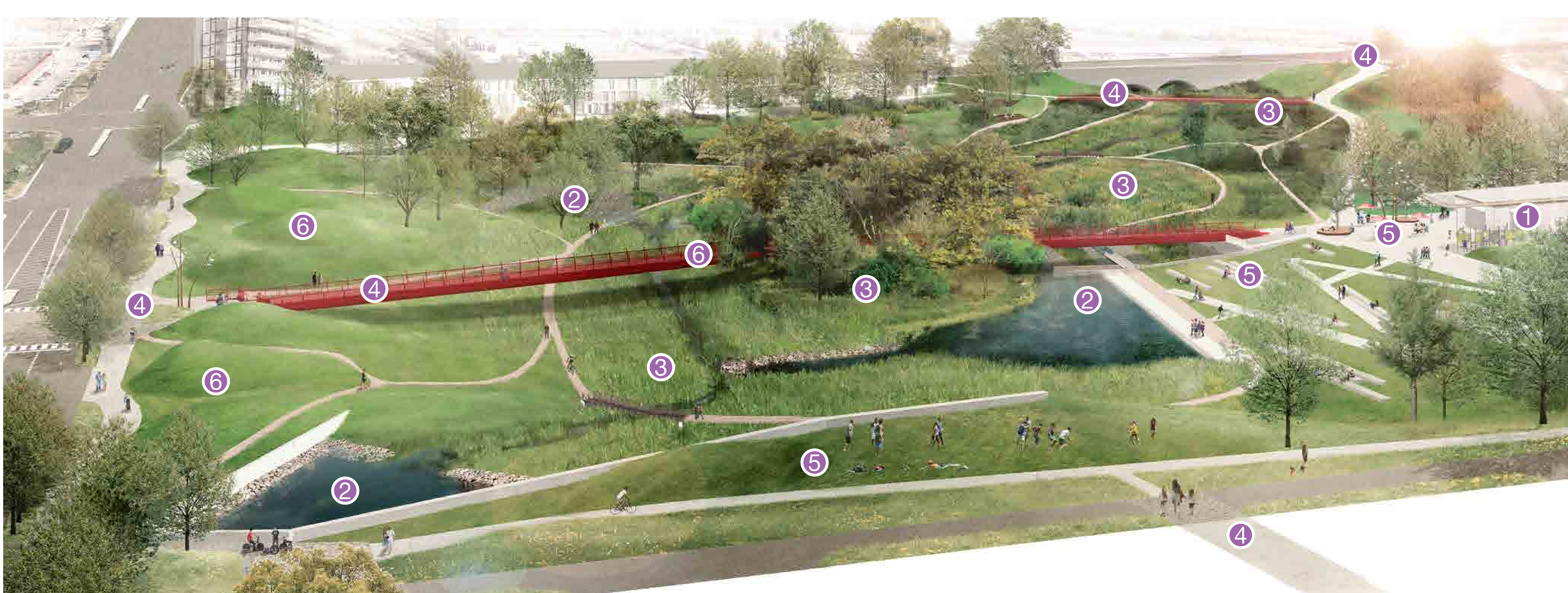
To provide a hierarchy of pedestrian walking circuits and multi-use trails throughout the park and to establish strong connections to the VMC.

5 ACTIVATE AND CREATE NEW OPPORTUNITIES

To encourage passive and active programming, children's play and discovery and provide un-programmed open spaces for gathering and pick-up sports.

6 CREATE AN ICONIC VMC PARK

To make a strong statement using bold moves with landform, quality implementation and workmanship to create an iconic landscape and precedent for integrated sustainable design.



Bird's Eye View Looking North

Concept Design

CONNECTIONS TO ADJACENT DEVELOPMENT
- ACCESSIBLE WALKWAY
- TRAIL LOOKOUTS
- PLANTED SLOPE

URBAN NODE
- PREMIUM PRECAST UNIT PAVERS
- SEATING + GATEWAY LIGHTING
- SHADE TREES WITH UNDERSTOREY PLANTING

LID STORMWATER TREATMENT FEATURE AND TRAIL LOOKOUT

OPEN SPACE / SCULPTED LANDFORMS

JANE STREET PROMENADE
- PEDESTRIAN / CYCLING MULTI-USE PATH
- TREE PLANTED BOULEVARD
- LAYBY PARKING

ISLAND WITH MATURE OAK TREE STAND

PRIMARY EAST-WEST PEDESTRIAN / CYCLING BRIDGE WITH LOOKOUT

URBAN NODE
- PREMIUM PRECAST UNIT PAVERS
- SEATING + GATEWAY LIGHTING
- SHADE TREES WITH UNDERSTOREY PLANTING

RETAINING WALL WITH GUARDRAIL + INLET FOR BLACK CREEK

FLEXIBLE LAWN OPEN SPACE

TRANSITIONAL STORMWATER MANAGEMENT FEATURE

URBAN PLAZA
- PREMIUM PRECAST UNIT PAVERS
- SEATING
- SHADE TREES WITH UNDERSTOREY PLANTING

NORTHERN PARK ENTRANCE
- PLANTED BUFFER
- SHADE STRUCTURE AND SEATING
- CONCRETE TRAIL
- FLEXIBLE MOUNDED OPEN SPACE
- FENCED DOG PARK

CONNECTION TO FUTURE PEDESTRIAN TRAIL UNDER PORTAGE PARKWAY

URBAN NODE
- PREMIUM PRECAST UNIT PAVERS
- SEATING
- SHADE TREES WITH UNDERSTOREY PLANTING

SECONDARY NORTH PEDESTRIAN / CYCLING BRIDGE

NEW ALIGNMENT FOR BLACK CREEK IN THE VALLEY

ENHANCED STREETSCAPE
- CONCRETE SIDEWALK
- LAYBY PARKING

HERITAGE ORCHARD PLANTING

TRAIL LOOKOUT

ADULT EXERCISE EQUIPMENT CIRCUIT

COMMUNITY FOOD HUB
- GARDEN PLOTS
- PIZZA OVEN / BBQ PITS
- PICNIC TABLES

OPEN WATER BODY AND VIEWING PLATFORM

STRATA PARK, ACTIVE PLAY AREA
- PAVILION WITH ALL SEASON WASHROOM, COMMUNITY ROOM FACILITY AND GREEN ROOF
- SPLASH PAD
- SEASONAL SKATING LOOP
- MOVEABLE FURNITURE
- FLEXIBLE MOUNDED OPEN SPACE
- JUNIOR AND SENIOR PLAY EQUIPMENT
- PARKING GARAGE ACCESS STRUCTURES
- FEATURE LIGHTING

AMPHITHEATER
- TERRACED INTEGRATED STEPS / SEAT WALLS
- VIEWING PLATFORM

PRIVATE DRIVEWAY
- PREMIUM PRECAST UNIT PAVERS
- CROSSWALKS

URBAN MEWS
- PREMIUM PRECAST UNIT PAVERS
- SEATING
- SHADE TREES WITH UNDERSTOREY PLANTING

The preferred concept is based on the first concept, 'Sculpted Landforms', but blends strengths from concepts 2 and 3. The active use area is focused on the strata park with the adjacent flexible lawn area to the south. Active uses include: skating loop, splash pad, play equipment, all-season washroom and community room pavilion, shade structure and integration with the parking garage access structures at grade.

A linear informal amphitheater is proposed adjacent to the open water body in the southeast corner. An iconic east-west pedestrian / cycle bridge would connect park visitors from Applemill Rd and Jane St to Maplecrete Rd. A second pedestrian / cycle bridge would connect tableland trails south of Portage Pkwy.

Community gardens would be located on the north side of the active use area, close to the park pavilion.

The Jane St and Hwy 7 urban plaza would accommodate grade changes between the Zzen + Midvale development and the adjacent road grades. It would also control pedestrian movement across the private driveway and encourage visitors to move into the larger park to the north.

Landforms would strongly define Jane St and create controlled views into the park. The existing hydro lines would need to be undergrounded to facilitate the landforms and tree planting.

A smaller urban plaza would welcome visitors on the north-west park edge. The upper pathway will offer views to SWM storage and a unique overall southern view of the park and the new Black Creek watercourse. Pedestrian connections would be made in 3 controlled locations with The Met. Buffer planting would be integrated along the parks edge.

Multiple paths would connect tableland paths to valley trails and galvanized grating boardwalks with two valley bridges connecting multiple walking circuits through the park. Adult exercise equipment would be located along the minor trails and can form part of an exercise route.

Stone and vegetated treatment train features would increase SWM quality treatment along the west and east inlets.

The island and mature oak trees will be preserved. Additional topography in the valley will create ecologically rich environments. Groups of orchard planting in the tablelands will allude to the history of the Village of Edgeley.

Design a Park for the Future

PROJECT PHASING - PHASE 1

1. Jane Street Lighting Strategy
2. Jane Street Promenade with Layby Parking and Urban Nodes
3. LID Stormwater Management Feature
4. Northern Park Entrance
5. Island with Mature Oak Tree Stand
6. Open Water Body, Viewing Platform and Amphitheater
7. Strata Park, Active Play Area
8. Urban Mews
9. Urban Plaza with Transitional Stormwater Management Feature

PROJECT PHASING - PHASE 2

1. Primary East-West Bridge Connection
2. Secondary North Park Bridge Connection
3. Park Pavilion
4. Community Garden Plots And Food Hub
5. Heritage Orchard Planting
6. New Park Connections
7. New North-East Gateway Node
8. Extend Portage Parkway Crossing and Vehicular Bridge Over Black Creek (Not Included in Scope of Work)

View Southeast From the Primary East-West Pedestrian / Cycling Bridge

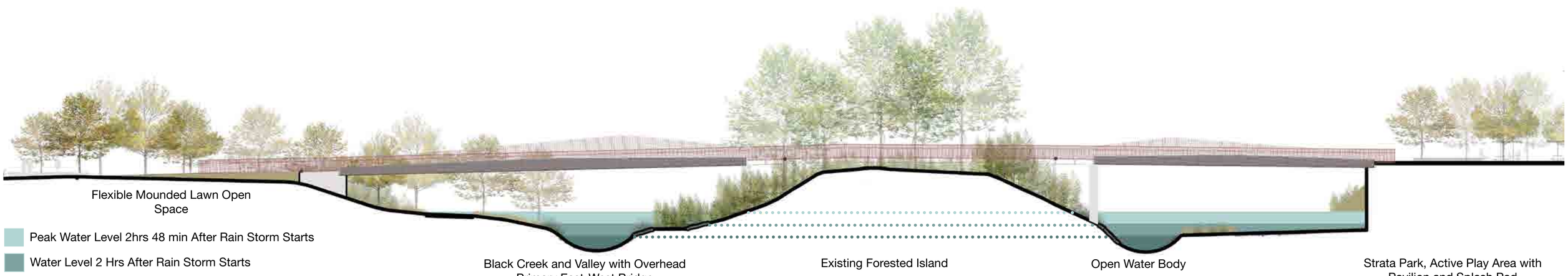
Celebrate Storm Water

TWO YEAR STORM EVENT

2 Hrs After Rain Storm Starts

Peak – 2 Hrs 48 min After Rain Storm Starts

4 Hrs After Rain Storm Starts

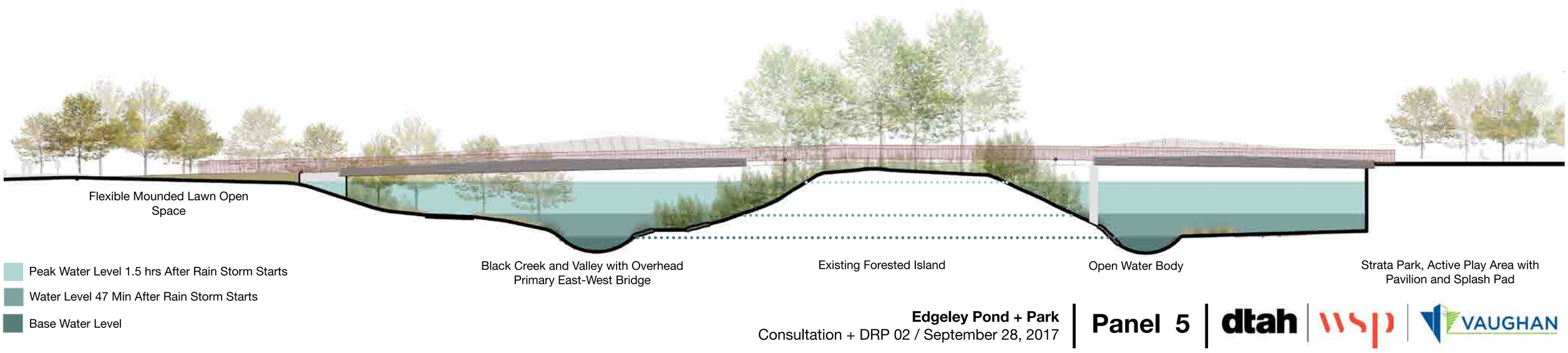


AUGUST 2005 STORM EVENT

47 Min After Rain Storm Starts

Peak – 1.5 hrs After Rain Storm Starts

3.5 Hrs After Rain Storm Start

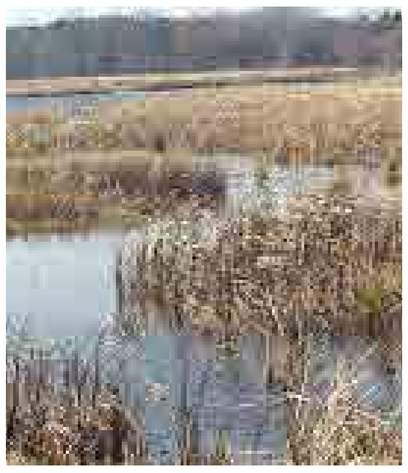


Establish Habitat, Enhance Ecology and Educate

PLANTED ECOLOGIES


Established Oak Deciduous


Wood Frog


Wetland Meadow


Pollinator Meadow


Wooded Thicket


Cultural Meadow


Red Tailed Hawk


Seasonal Pools

ECOLOGICAL + EVENT SCHEDULING

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
EXISTING CITY OF VAUGHAN EVENTS												
Winterfest	■	■										
Concerts in the Park						■	■	■	■			
Canada Day Celebration						■						
POSSIBLE PROGRAMMING EVENTS												
Harvest Festival									■			
Environmental Walk + “Pollinator Parade”				■	■	■						
Weekend Farmer’s Market				■	■	■	■	■	■	■		
Photography Festival / Art Exhibition							■	■				
Skating in the Park	■	■									■	■
Movie Night in the Park							■	■				
Winter Market	■	■									■	■
Ice Sculpture Competition		■										
Edgeley Pond Heritage Festival				■	■							
International Food Festival (Food Trucks)						■	■	■	■	■	■	■

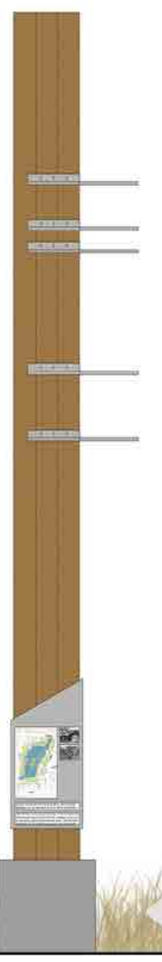
NESTING PERIOD
MIGRATION PERIOD
BAT VIEWING


WAYFINDING + SIGNAGE

Minor Signage
Pylon

Major Signage
Lit Pylon

Major Signage
Historical Flooding
Pylon



Create New Connections

MOVEMENT IN THE PARK

Pedestrian Circulation System, Gateways and Secondary Points of Entry

Circuit Loop Analysis

MOMENTS IN THE PARK

Key Plan

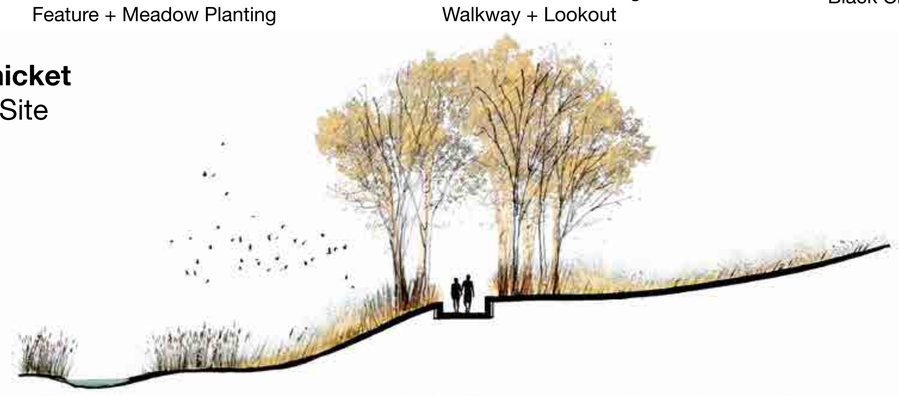
A. Pedestrian Pathways
Raised landforms along LID Stormwater Treatment Feature

Sculpted Landforms Cultural Meadow | Asphalt Trail | LID Stormwater Treatment Feature

B. LID Stormwater Treatment Feature

LID Stormwater Treatment Feature + Meadow Planting | Galvanized Metal Grating Walkway + Lookout | Black Creek

C. Wooded Thicket
North Edge of Site



Black Creek | Asphalt Trail | Cultural Meadow Planting

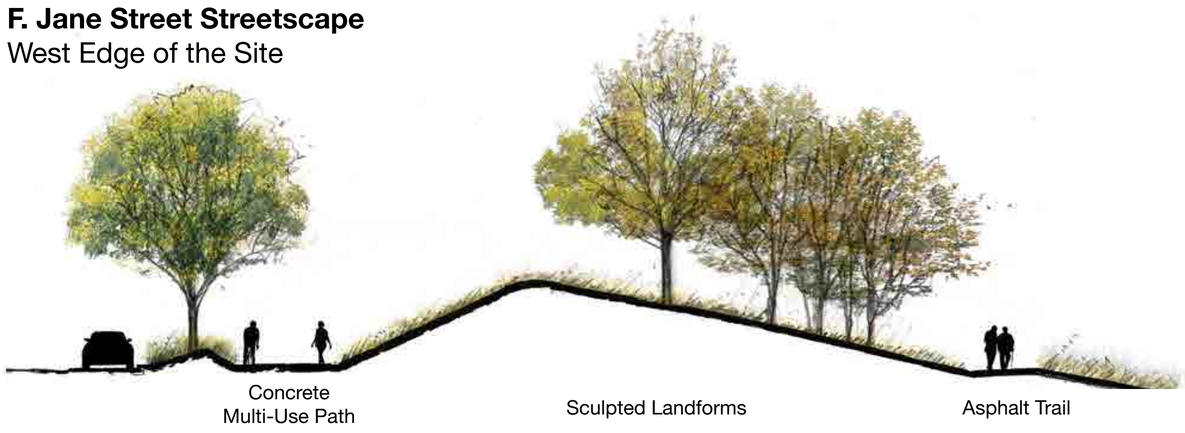
D. Orchard and Meadow
North Edge of Site

Asphalt Trail | Asphalt Trail | Pollinator Meadow | Asphalt Trail | Heritage Orchard Planting

E. Primary East-West Pedestrian / Cycling Bridge
Platform Over Existing Island

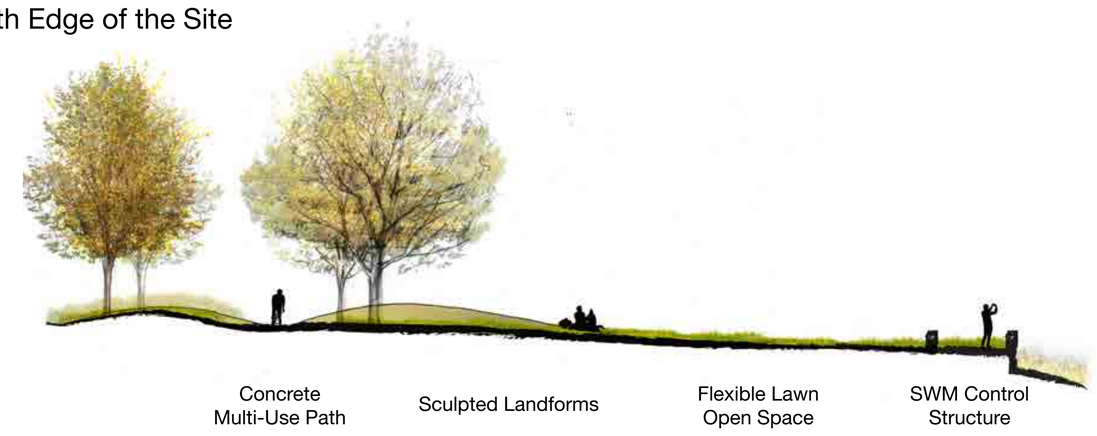
Existing Mature Oak Stand | Bridge and Viewing Platform | Existing Mature Oak Stand

F. Jane Street Streetscape
West Edge of the Site



Concrete Multi-Use Path | Sculpted Landforms | Asphalt Trail

G. Flexible Lawn Open Space
South Edge of the Site



Concrete Multi-Use Path | Sculpted Landforms | Flexible Lawn Open Space | SWM Control Structure

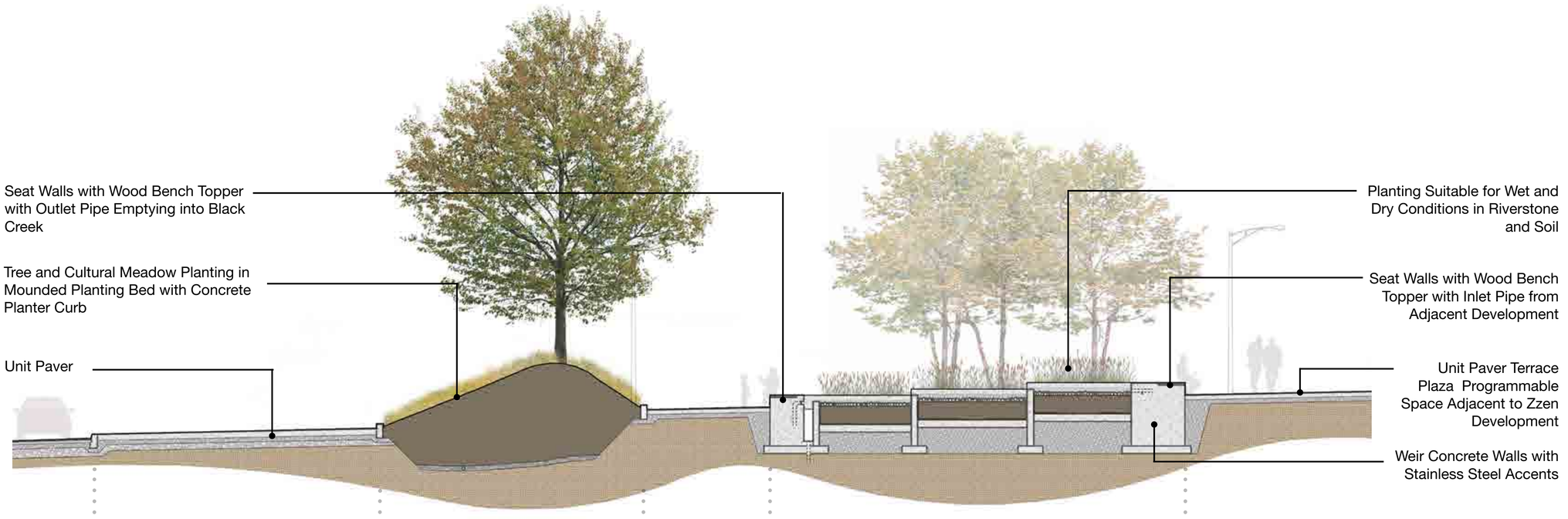
Create New Connections

The sustainable transitional water feature will be fed by captured stormwater. It will demonstrate and highlight the relationship between stormwater and Black Creek, which runs directly below the urban plaza.

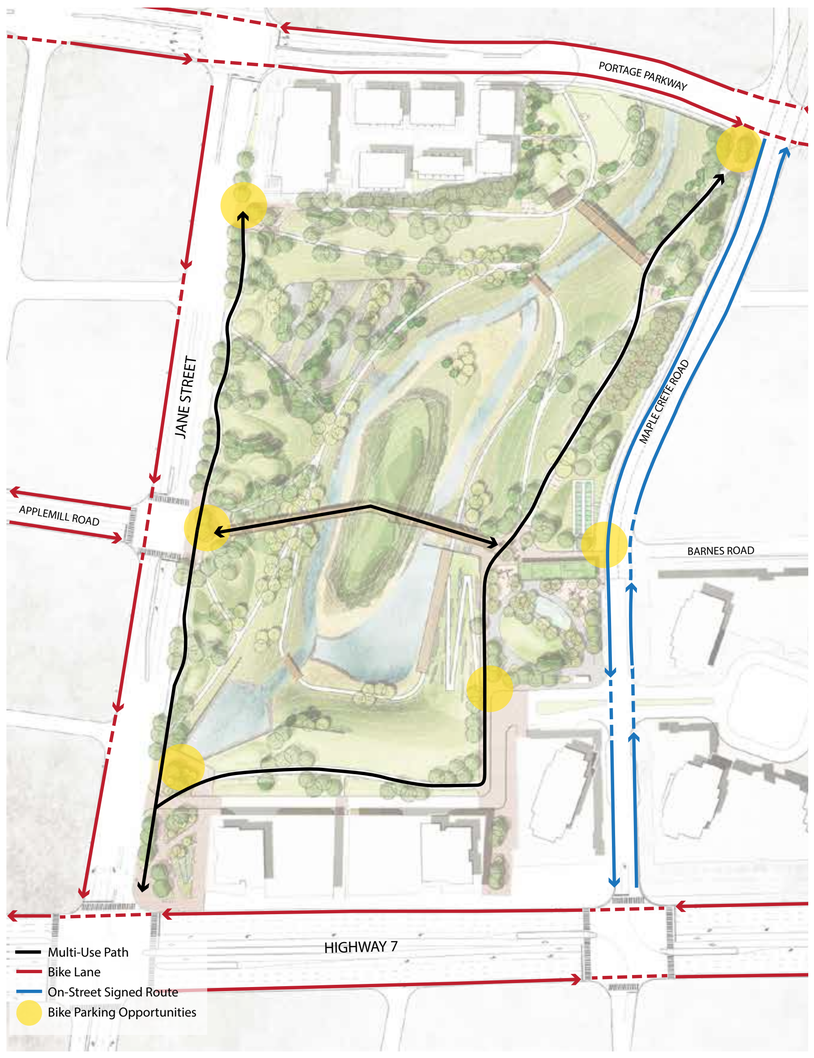
Edgeley Pond + Park serves a very important stormwater function for the neighbourhood. It enables adjacent development by controlling large storm events by providing water storage for the northerly catchment of Black Creek, approximately 760 ha, as well as the adjacent urban catchment.

The stormwater feature will have plant material that thrives in both very wet and very dry conditions. During and immediately after storm events, the feature will have surface water just above the plant material. The feature will include an overflow and sub-drainage that is connected directly to Black Creek.

The prime location at the corner of Jane Street and Hwy 7 is well suited to integrated educational signage about the feature and what lies beneath the surface.



Sustainable Transitional Water Feature



Cycling Circulation System

Layby Parking Diagram

Materiality of Pathway

View Northwest of Urban Plaza and Sustainable Transitional Water Feature

Activate and Create Opportunities

PARK PROGRAMMING

NORTHERN TERRACE
- SHADE STRUCTURE
- SEATING + HAMMOCKS
- PICNICING
- PASSIVE PLAY
- FENCED DOG OFF LEASH AREA

URBAN NODES
- BIKE PARKING
- SEATING

STORMWATER TREATMENT FEATURE
- EDUCATION OPPORTUNITIES

PRIMARY EAST-WEST PEDESTRIAN / CYCLING BRIDGE
- PEDESTRIAN LOOKOUT
- WALKING / RUNNING / CYCLING
- PLAZA
- CONNECTION TO VMC CYCLE PATH SYSTEM + TTC

JANE STREET PROMENADE
- WALKING / RUNNING / CYCLING
- MULTI-USE PATH
- LAYBY PARKING
- FOOD TRUCKS IN LAYBY PARKING
- CONNECTION TO VMC CYCLE PATH SYSTEM

THE LAWN
- FESTIVAL / EVENT SPACE
- PUBLIC ART
- PICNICING
- PASSIVE PLAY
- ACTIVITY CLASSES
- INFORMAL ACTIVE PLAY

URBAN PLAZA
- TRANSITIONAL WATER FEATURE
- BIKE PARKING
- SEATING
- ADJACENT FOOD / BEVERAGE AMENITIES
- PUBLIC ART

THE VALLEY
- WALKING / RUNNING CIRCUITS
- BIRD + ANIMAL WATCHING
- PEDESTRIAN LOOKOUTS

URBAN NODE
- BIKE PARKING
- SEATING

OPEN SPACE / SCULPTED LANDFORMS

ADULT EXERCISE EQUIPMENT
- TOTAL OF 4 STRUCTURES, GROUPED IN TWO'S

COMMUNITY FOOD HUB
- GARDENING
- PICNICING
- FOOD HARVESTING
- PIZZA OVEN / BBQ PITS
- PICNIC / COMMUNITY TABLE
- TURFED MOUNDS

ACTIVE PARK
- SPLASH PAD
- MOVEABLE SEATING
- CHILDREN'S PLAY STRUCTURES
- BIKE PARKING
- SEASONAL SKATING LOOP
- SEATING
- FOOD TRUCKS IN LAYBY PARKING
- TURFED MOUNDS
- PAVILION WITH WASHROOMS
- COMMUNITY ROOM

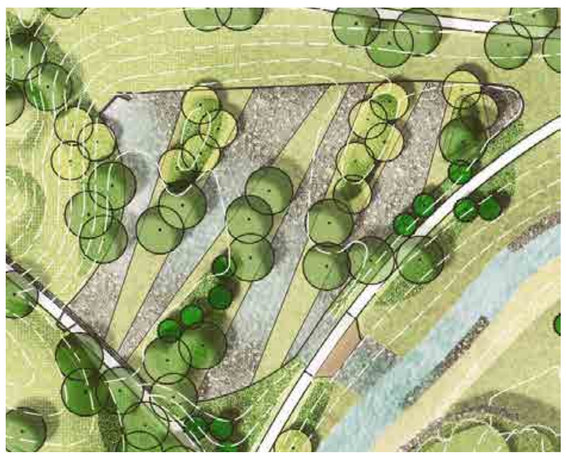
AMPHITHEATER
- VIEWING PLATFORM
- CONCERTS IN THE PARK
- MOVIE NIGHT
- ACTIVITY CLASS
- SEATING
- PICNICING
- PUBLIC ART

View Northwest of Strata Park with Skating Loop and Pavilion

Iconic VMC Park

Strata Park, Active Play Area

Sculpted Landforms

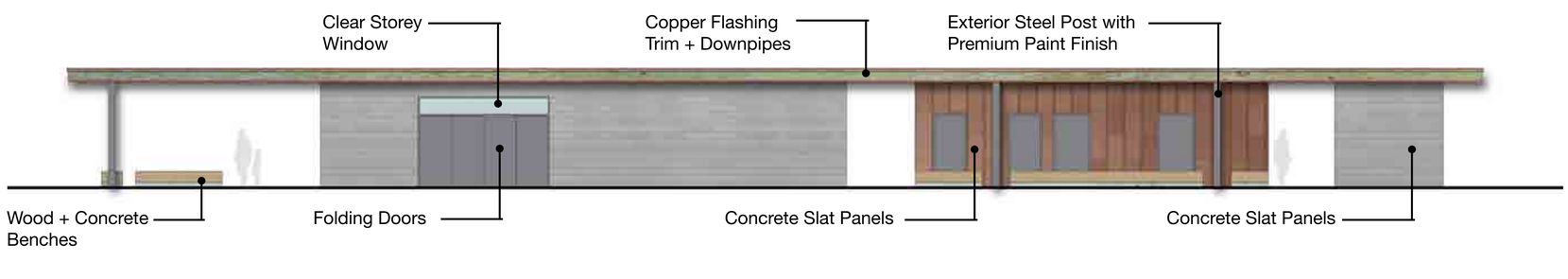


LID Stormwater Management Feature

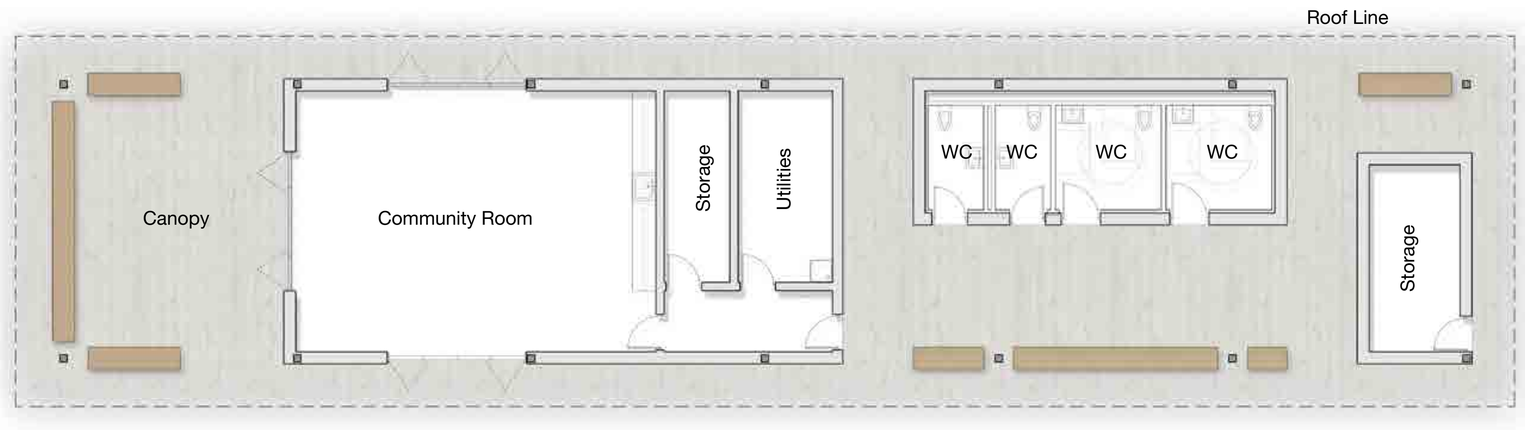
Proposed Lighting Strategy

Existing Island and Proposed Primary East-West Pedestrian / Cycling Bridge

Potential Public Art Locations



Pavilion Elevation



Pavilion Floor Plan

View Southeast of LID Stormwater Management Feature

Shadow Impact Study

Note: Building heights are taken from existing developments and proposed developments.