

A black and white photograph of a large reservoir. In the foreground, a gravelly embankment slopes down towards the water. A sign is partially visible on the left, with the text "PUBLIC NOT ALLOWED ON THIS SLOPE". The background shows a line of trees and a small building under a clear sky.

Rosehill Reservoir Rehabilitation

Construction Liaison Committee Meeting #4

November 24, 2020

Land Acknowledgement

We acknowledge the land we are meeting on is the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Wendat peoples and is now home to many diverse First Nations, Inuit and Métis peoples. We also acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit.

Project Overview

Rehabilitation of the Rosehill Reservoir involves:

- ▶ Removal of all park elements, trees and soil located on the roof of the reservoir
- ▶ Removal of the existing waterproofing membrane on the roof of the reservoir
- ▶ Rehabilitation of interior and exterior concrete and refurbishment of expansion joints
- ▶ Rehabilitation of perimeter drain system and water mains
- ▶ Replacement of the existing waterproofing membrane
- ▶ Restoration and enhancement of the park

Today's Agenda

- ▶ CLC #3 Action Items
- ▶ What's happened since (CLC #3 June 2019)
 - ▶ Reservoir/Water infrastructure
 - ▶ Project Updates & Inquiries
 - ▶ Photos
- ▶ Trees
 - ▶ Tree Impacts
 - ▶ Street Trees (unrelated to Rosehill Reservoir Rehabilitation)
- ▶ Park Plan & Installation
 - ▶ Coordination
 - ▶ Park Installation to Q2 2021 & Considerations
 - ▶ Heritage Plaques
- ▶ Keeping Community Updated

CLC #3 Action Items

1. Contact local schools
 - ▶ Completed July 8, 2020
2. Contact for Bretton Place condo
 - ▶ Completed Parks Landscape Architect
3. Protection Boards not leaving the hoarding
 - ▶ Completed

What's Happened Since March 2019 Park Design Public Meeting

Reservoir/Water infrastructure:

- De-chlorination Chamber
- Perimeter Drain Rehabilitation and Catchbasin Replacement
- Washroom Construction, Fountain Construction
- Little Park Watermain, Avoca Watermain Tie-in
- Exterior: East Cell Waterproofing, Sod, Lower Perimeter Path, Trellis Pads, asphalt path

14 Updates June 2019 to Nov 2020

Full Park Closure ● Saturday Work ● Watermain connection on Jackes ● Deliveries resuming on Summerhill ● Watermain in Little Park ● Emergency Water Shut off (south of park) ● Final Park Design ● Daylighting Avoca Ave ● Watermain connection on Avoca ● Sodding

- 19 replies back on Sodding update !
- 200+ inquiries since June 2019

What's Happened Since March 2019 Park Design Public Meeting

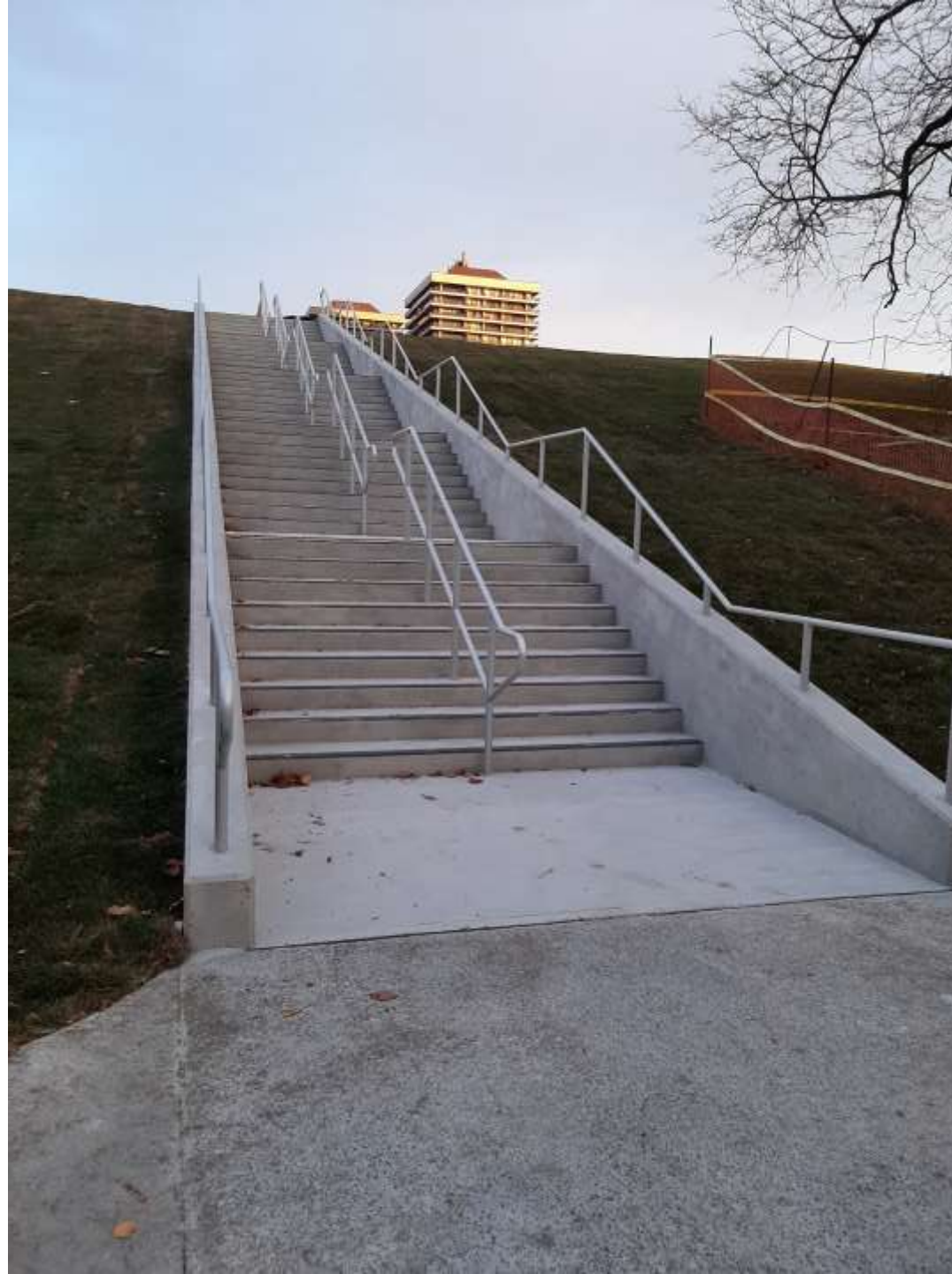
New Park Design & Installation

- Current contractor installing park elements (base scope)
- New Landscaper Contract: for park enhancement elements
 - Tender Awarded on October 2020
- Schedule & Coordination of both contractors:
 - Discussions to ensure their work can be completed in safe manner on a coordinated approach

Stakeholder Discussions

- Washroom Green Roof - off-white pebbles, meet City's Green Roof Bylaw minimums
- Garden Volunteers - request to change and increase plantings

South Stairs At Valve House



Jackes Stairs



Lower Pathway - East Side



“S-Curve” Pathway located north-east side of Valve House



Sod Installation - Top of the Reservoir



Sod Installation - West Slope



New Washroom



Upper Perimeter Pathway from Valve House looking north to Avoca Avenue

Rosehill Garden

10/29/2020 15:42

Trellis Foundation on Upper Perimeter Pathway near Washroom



Footings/Foundation for Rosehill Garden



Foundation for the Water Feature (fountain)



Foundation for the Stairs at Rosehill Avenue (leading up to Water Feature and Centennial Monument)



Avoca Watermain Tie-in



Trees: Impacts

Tree Removals:

- 11 trees removed @ north end of Park (near Rosehill Avenue)
- Purpose: to install the ramp from Rosehill Node to Water Feature
- When: Winter 2021 (Date TBD) and included in community update

2 Street Tree Removals on Rosehill Avenue:

- unrelated to Rosehill Reservoir Rehabilitation work
- Street trees (Honey Locust and Service Berry) assessed by Urban Forestry
- 2 street trees in front of 75 Rosehill Avenue on north side showed signs of illness/death/poor health
- When: To be determined by Urban Forestry staff (Will update community)
- Note: these 2 street trees are not included in the Rosehill Reservoir project for replanting plans

Contractor Coordination

Challenge to ensure coordination (work areas, equipment & access), personnel safety & COVID practices between two contractors.

Current contractor:

- Has completed some of the overall park plan
- Will continue to work over the next few months to Q2 2021

Second landscaper:

- Draft interim work activities for the next ~3 months, to accommodate current contractor work tasks
- Will finalize their remaining work plan and schedule

Note: no planned upgrades to the playground equipment as part of this rehabilitation

Park Installation to end of 2020

The following park elements are or will be installed by the end of 2020:

- Staircases (Jackes and Valve House)
- Washroom
- Sodding
- Most of the Pathways:
 - Most of the Lower Perimeter Pathway
 - The eastern side of the Upper Perimeter Pathway
- Trellis & Garden footings/foundation
- About half of the Water Feature & Centennial Monument (foundation)

Park Installation: Starting December 2020 to Q1 2021

- Little Park Node: prepping planting beds, secondary pathways (see map)
- Nodes (Jackes & Rosehill):
 - lighting
 - bollards
 - signage
 - bike rings
 - seating
 - garbage bin enclosures
- Water Feature & Centennial Monument
- Avoca Node
- Upper Path - north, west, south sides (see map) *May be installed in Q2 2021 warmer weather



Community Update will include hoarding change required to install the secondary paths in Little Park. **Hoarding will be expanded** to cover all of Little Park which will restrict pedestrian access from Woodlawn Avenue to Summerhill Avenue. Date TBC (~January possibly)

Park Installation: Q1 to Q2 2021

Park elements to be installed Q2 (warmer weather) with foundation/preparation work in Q1:

- Little Park Driveway (see map)
- Garden plantings
- Garden trellis
- Drinking fountains
- Little Park features (Memorial stone etc)
- Majority of flower, shrub planting

Weather Dependent Tasks:

Rain, snow or cold weather concerns can affect:

- Installing the remaining Pathways
- Garden & Shrub/flower bed plantings

Hoarding (Fast Fence) in Little Park required until all park elements are completed (the Driveway, plantings, and features)



Park elements considerations

Soil:

- Soil has been third party tested to ensure compliance with contract
 - Depth and grade are verified prior to park elements installation

Sodding/Grass:

- Most of plateau sodded October 2020 with Number One Kentucky Bluegrass
 - November 2020 to late April 2021: Sodding is in “hibernation”
 - May 2021: Requires 60-day undisturbed period for roots to “stitch-in”
 - Site inspection Q2 2021
 - Any dead patches that are fixed requires another 60-day undisturbed period (fast fencing may still be required)
 - Rationale: contractor warrantee & public safety

An early partial park opening can be considered upon site inspection Q2 2021 of sodding/dead patches and installation status of park elements. Staff will update Councillors, CLC and Community with any good news.

David Balfour Park Heritage Plaques

5 plaques to be installed in David Balfour Park

- Plaques can be stand alone or read in sequence
- History of Toronto's drinking water system and Rosehill Reservoir's legacy
- Expect completed plaques early 2021
- Contact Chris Bateman

Chris.bateman@Toronto.ca
416-392-3996
Heritage Toronto
Plaques & Public Education
Acting Manager



FINAL DRAFT

ROSEHILL RESERVOIR



A sculpture of a water molecule suspended from a 9.1-metre (30-foot) steel parabolic arch was added to the newly-roofed reservoir in the 1980s. It was designed by Cunningham & Lea and later relocated within the park.
TKTKTK



Panorama of the open-air Rosehill Reservoir, 1890s. The water had to be regularly drained to clear plant and animal life from the reservoir.
City of Toronto Archives

The Rosehill Reservoir is an integral part of Toronto's water system. Completed in 1874, it holds 200 million litres of drinking water and supplies approximately 675,000 properties across downtown and midtown Toronto. Clean drinking water from the Toronto Island Water Treatment Plant is pumped here and stored in two large underground tanks for distribution.

The reservoir was built when the City was constructing a piped water system capable of delivering clean drinking water and eradicating diseases like cholera, diphtheria, and typhoid. Toronto suffered numerous epidemics in the 19th- and 20th-centuries as the growing city struggled to provide proper sanitation. Thousands died.

The Rosehill Reservoir was originally open to the air and set amongst landscaped grounds known as Reservoir Park. The reservoir was enlarged and covered in 1966 and extensively renovated starting in 2018, bringing it into a state of good repair. The reservoir's storage tanks, valve house, and access house were rehabilitated, and the mechanical and electrical systems upgraded.

The Rosehill Reservoir is the oldest and remains the largest of the 10 ground-level water storage facilities in Toronto's water system.



A family collecting water from a natural spring near Reservoir Park (later renamed David A. Balfour Park), circa 1907. Before the city provided water to its citizens, people mostly sourced it from private wells or carters who made deliveries from horse-drawn wagons.
City of Toronto Archives



The landscaped grounds of Reservoir Park, 1913.
City of Toronto Archives

Keeping the Community Updated

- ▶ The City will continue to send out updates about construction activities via email to the contact list and provide updates on the project website
 - Construction Schedule
 - Ongoing construction and related activities
- ▶ Construction Update Notices will be sent out by mail in advance of major project milestones
 - ▶ Next: Little Park hoarding
- ▶ Webpage will be updated

Meetings

- ▶ Do not anticipate other progress milestones beyond today's presentation
- ▶ Will continue to issue Community Updates and Answer inquiries
- ▶ Contact kate.kusiak@toronto.ca with questions

THANK YOU