

Basement Flooding Protection Program (BFPP) Phase 4 Midtown Toronto Storm Sewer Relief Project

Planned Infrastructure in Memorial Park

January 27, 2021



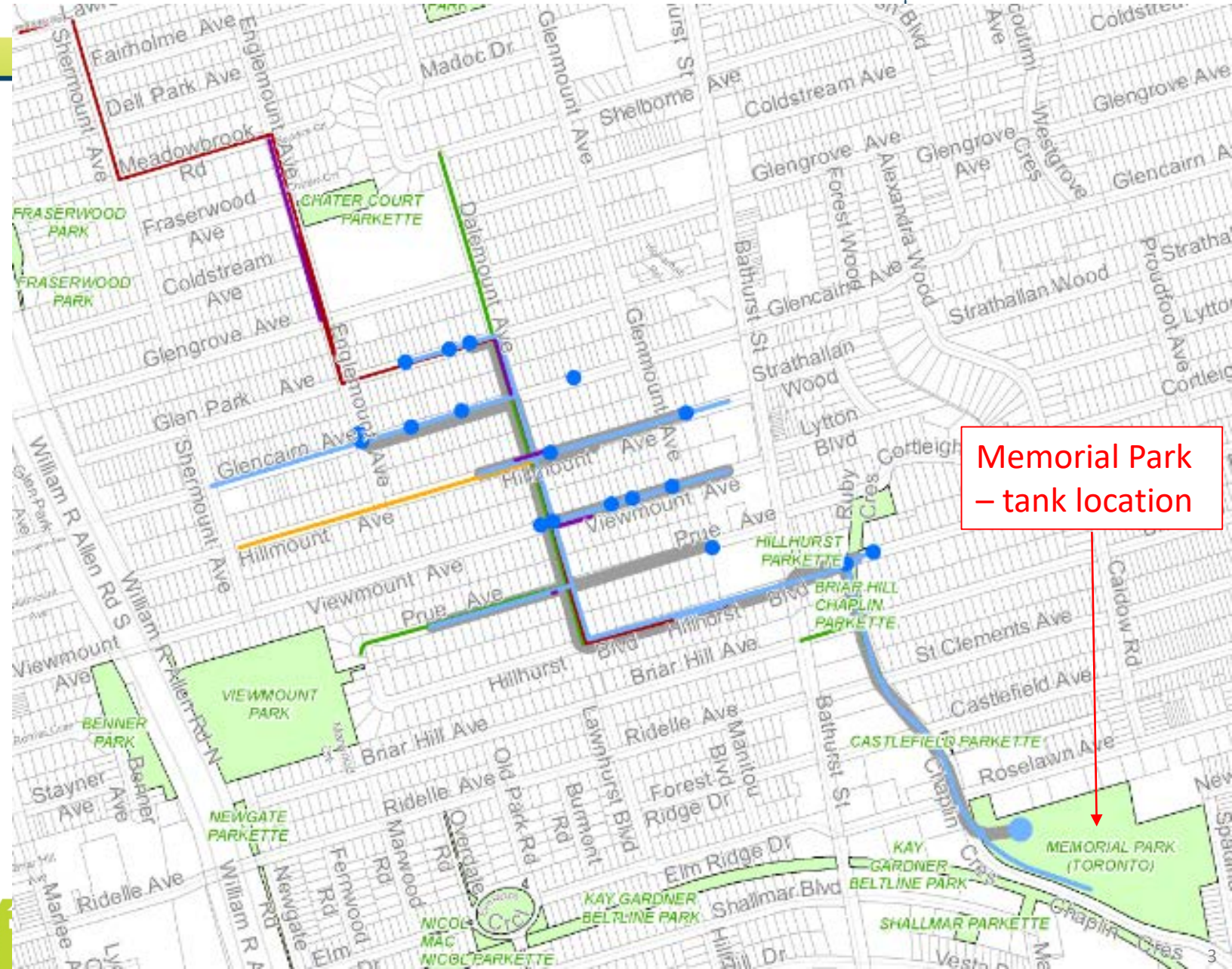


Midtown Toronto Storm Sewer Relief Project Scope Overview



Midtown Toronto Storm Sewer Relief Scope Overview

- **Midtown Toronto BFPP4 Scope**
 - Storm Sewer Upgrades
 - Tunneling and Open Cut
 - Stormwater Storage Facility in Memorial Park – TDSB Owned
 - 36,600 m³ Storage Facility (new tank, wet well, and existing tank)
- **State of Good Repair (SOGR)**
 - Sanitary sewer replacement
- **Transportation Services**
 - Local road resurfacing (9000 m)
- **Lawrence-Allen Revitalization Plan**
 - Sanitary sewer upgrades
 - Part of the Lawrence Heights Revitalization Plan

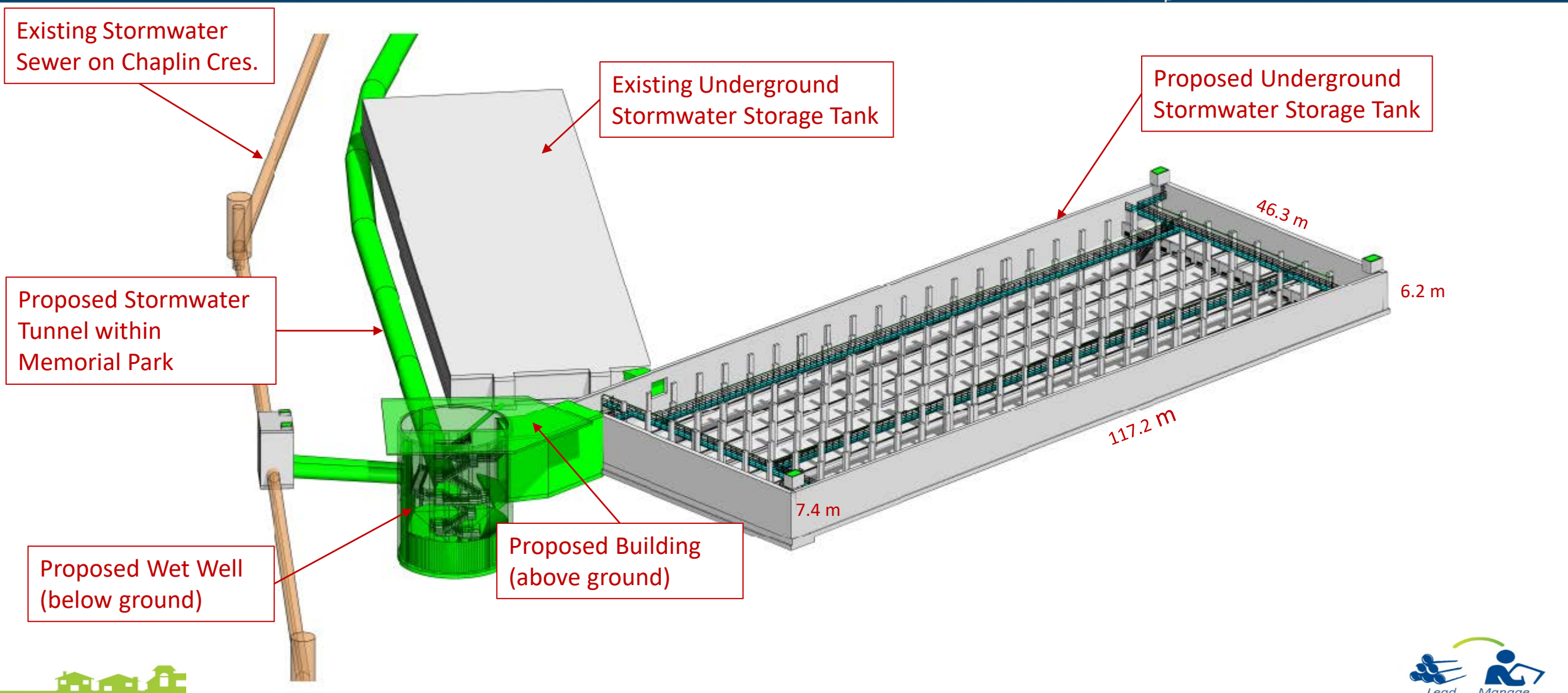




Midtown Toronto Storm Sewer Relief Project Memorial Park Infrastructure – Existing and Proposed



Proposed Preliminary Design Stormwater Storage Facility in Memorial Park – 3D Rendering





Midtown Toronto Storm Sewer Relief Project Memorial Park Infrastructure Post Construction Final Layout



Proposed Preliminary Design Stormwater Storage Facility Post Construction Final Layout in Memorial Park

Permanent Maintenance
Access Road

3.0m MAINTENANCE
ACCESS ROAD

CONSTRUCTION
LIMITS

PROPOSED
LIGHTING

BLEACHERS

PROPOSED NEW
ATHLETIC TRACK

MEMORIAL PARK

PROPOSED TANK

EXISTING TANK

Hatch access and
Flushing Gate Control
Steel Cabinet (outside
of field/track)

DAY
CARE &
NURSERY

CONSTRUCTION
LIMITS

- Stormwater storage tank is self cleansing with flushing gates.
- Primary maintenance access to the facility is through the Access House above the wet well via stairs, platforms, & ladders.

Permanent Access House above
Wet Well

3.0m MAINTENANCE VEHICLE ACCESS
ROAD AROUND PROPOSED BUILDING

Permanent Maintenance
Access Road



Midtown Toronto Storm Sewer Relief Project High Level Schedule & Pressing Next Steps



High Level Schedule – Milestones



Activity Name	Start Date	End Date
Phase 1 Field Investigations in Memorial Park (Temporary Access Agreement Required ASAP)	ASAP Approx. Mar/21	Approx. May/21
Phase 2 Field Investigations in Memorial Park	Approx. Sept/21	Approx. Jan/22
Detailed Design	Jan 2021	Dec 2022
Procurement and Tender Period	Dec 2022	Sep 2023
Construction	Sep 2023	Dec 2027
Substantial Completion	December 2027	



Pressing Next Steps – Field Investigations

- In order to continue with our design, we require a **Temporary Access Agreement** for Memorial Park to perform the Geotechnical and Subsurface Utility Engineering investigations, which include:
 - The **Temporary Access Agreement** will be required for the **entire park**, however only **localized** areas will be under construction at any given time for borehole drilling (approx. area of 40 x 20 ft) and test pit excavation (approx. area of 100 x 50 ft).
 - Areas under investigation will be safely fenced off during construction activity and restored back to existing condition once the investigations are complete. All investigations will occur outside of the running track.
 - Investigation durations for each of Phase 1 and Phase 2 is expected to last approximately 30 working days and the timeframes shown in the schedule account for additional days to accommodate poor weather conditions.
 - Hydrogeological investigations include spot testing to be conducted at installed wells over the course of design, with no construction and only man access required to the park.

