

Mississauga Valley Park Stormwater Management Facility Virtual Public Open House

www.mississauga.ca

March 1st – April 2nd, 2021

Flooding of Cooksville Creek

- In recent years, the Cooksville Creek watershed has experienced a number of flooding events largely as a result of inadequate stormwater management and concentrated urban development located within the watershed. Most recently, the flooding events of August 2009 and July 2013 caused significant damage to both public and private properties within the Cooksville Creek Floodplain.
- The City of Mississauga undertook a Municipal Class Environmental Assessment (EA) Study in July 2012 to compare alternatives which would reduce the risk of flooding in the Cooksville Creek watershed.

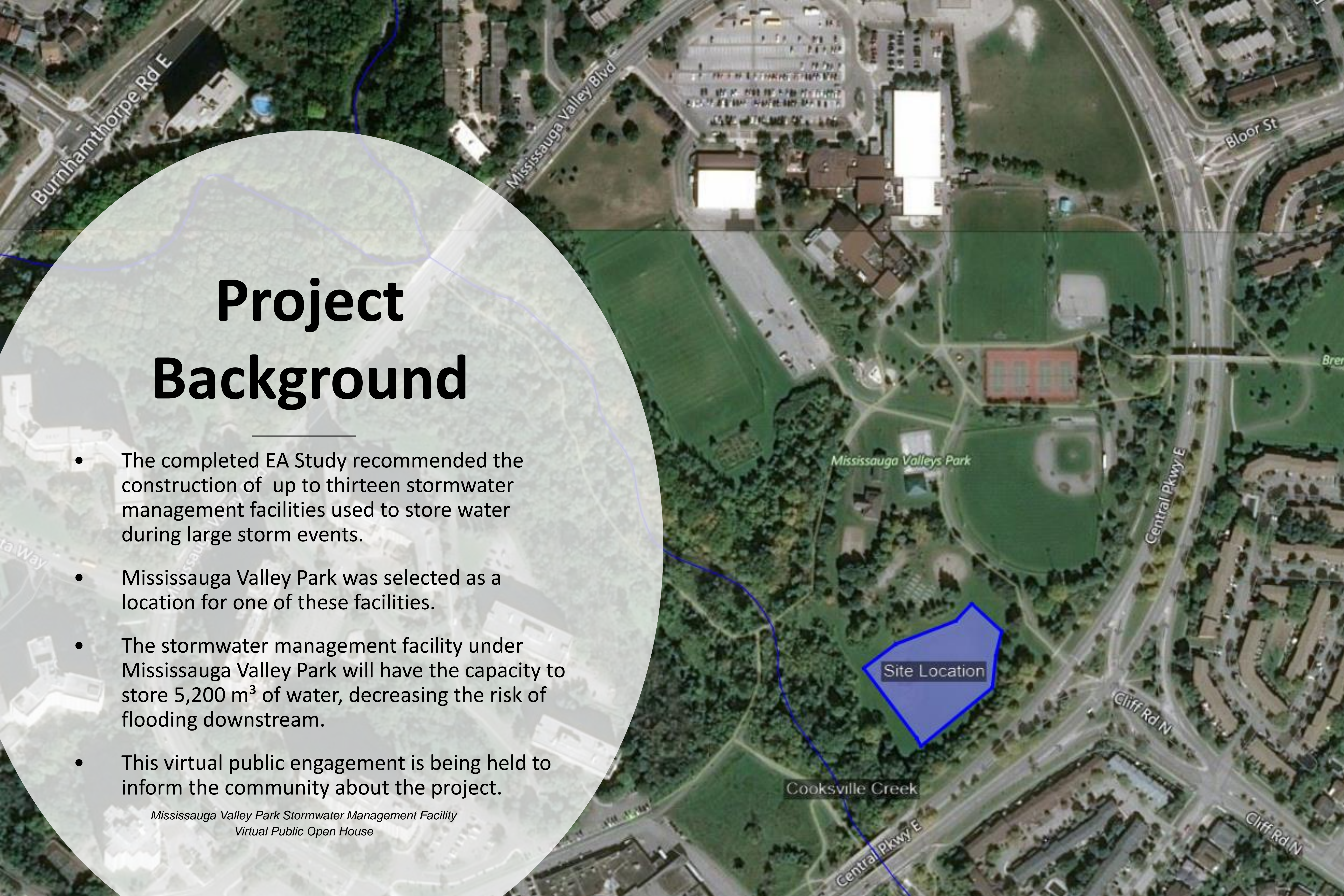


http://www.mississauga.ca/file/COM/Cooksville_Creek_Flooding_v03_Draft.pdf

Project Background

- The completed EA Study recommended the construction of up to thirteen stormwater management facilities used to store water during large storm events.
- Mississauga Valley Park was selected as a location for one of these facilities.
- The stormwater management facility under Mississauga Valley Park will have the capacity to store 5,200 m³ of water, decreasing the risk of flooding downstream.
- This virtual public engagement is being held to inform the community about the project.

*Mississauga Valley Park Stormwater Management Facility
Virtual Public Open House*



Existing Mississauga Valley Park

- Mississauga Valley Park consists of ~10 hectares of public park space containing an extensive greenbelt trail system, fitness centre, arena, indoor pool and various outdoor recreational facilities.
- The subject site in the park is located in the southwest quadrant of the park and is currently under utilized. The site is bound by Cooksville Creek to the southwest, Central Parkway East to the southeast and open park space to the north.
- Existing drainage through the site is conveyed from west to east over relatively flat ground towards Cooksville Creek. There are existing storm and sanitary sewers that run through the Boulevard along Central Parkway E on the south side of the park.

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Facility Summary

- The proposed underground storage facility will have the capacity to store up to 5,200 m³ of water during large storm events.
- Smaller storm events will bypass the facility similar to existing conditions in order to retain storage for large events.
- The construction of this project, along with other facilities including Eastgate Park and Sandalwood Park, will increase the available capacity of storm sewers and watercourses downstream. This ultimately reduces the risk of flooding during large events.



Image from Google Images



Image from Google Images



Images from Installation at Sandalwood Park, Mississauga

Project Benefits

- The proposed project will provide many benefits to the residents of Mississauga including:
 - New landscaping within the southwest quadrant of Mississauga Valley Park;
 - Improved drainage within the park following rainfall events; and,
 - Reduced risk of flooding in the Cooksville Creek Watershed located downstream of Mississauga Valley Park.

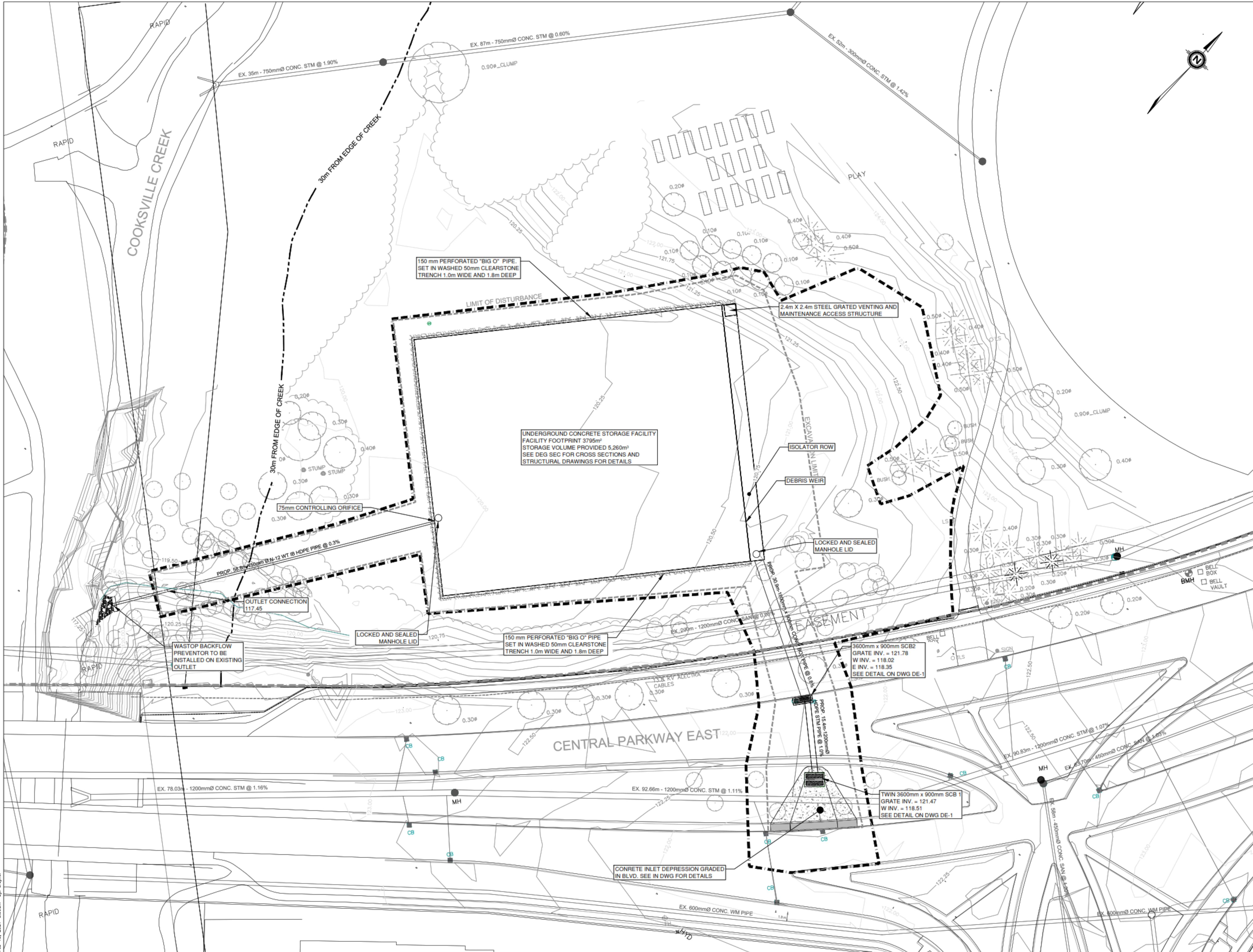
Project Summary

- The project will include the following:
 - Removal of all existing structures, minor tree removal, temporary lane restrictions of Central Parkway East and excavation of the existing park;
 - Installation of the underground stormwater facility including a concrete tank and intake/outlet structures;
 - Backfilling and regrading of the park;
 - Replacement of all removed structures including road and sidewalk restoration in the Central Parkway East Boulevard;
 - Additional landscaping including new trees and shrubs surrounding the park and in the Boulevard.



Images from Installation at Eastgate Park, Mississauga

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 Feb 16, 2021 10:08am By: mrogers



- LEGEND**
- PROPERTY LINE
 - LIMIT OF DISTURBANCE
 - EXCAVATION LIMIT
 - TREE DRIPLINE
 - SANITARY SEWER EASEMENT
 - EXISTING CONTOURS

NO.	REVISION	DATE	BY
3.	ISSUED FOR AGENCY APPROVAL	01/14/21	MFB
2.	95% DESIGN PHASE	08/13/20	MFB
1.	30% DESIGN PHASE	05/14/20	MFB

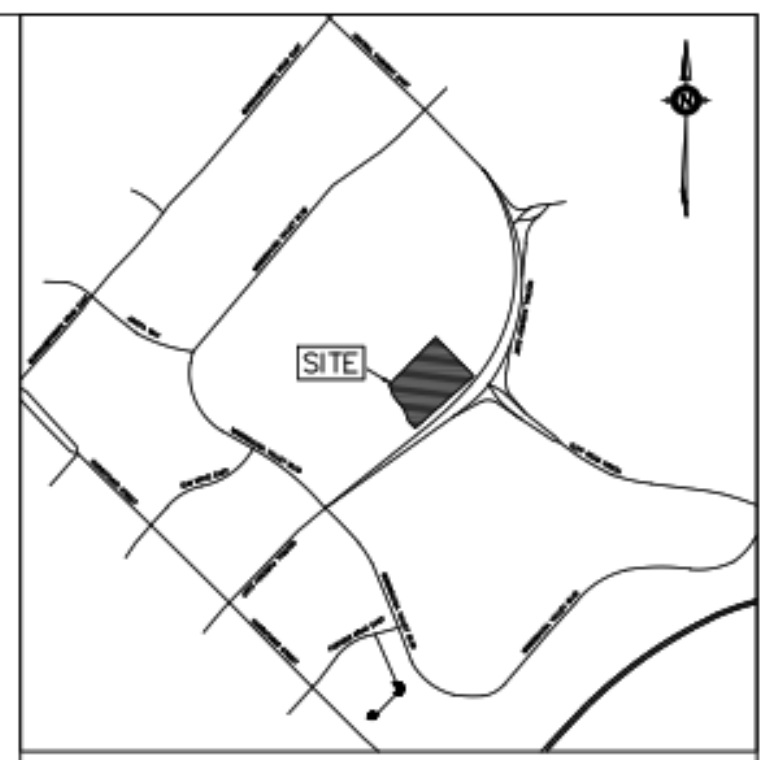
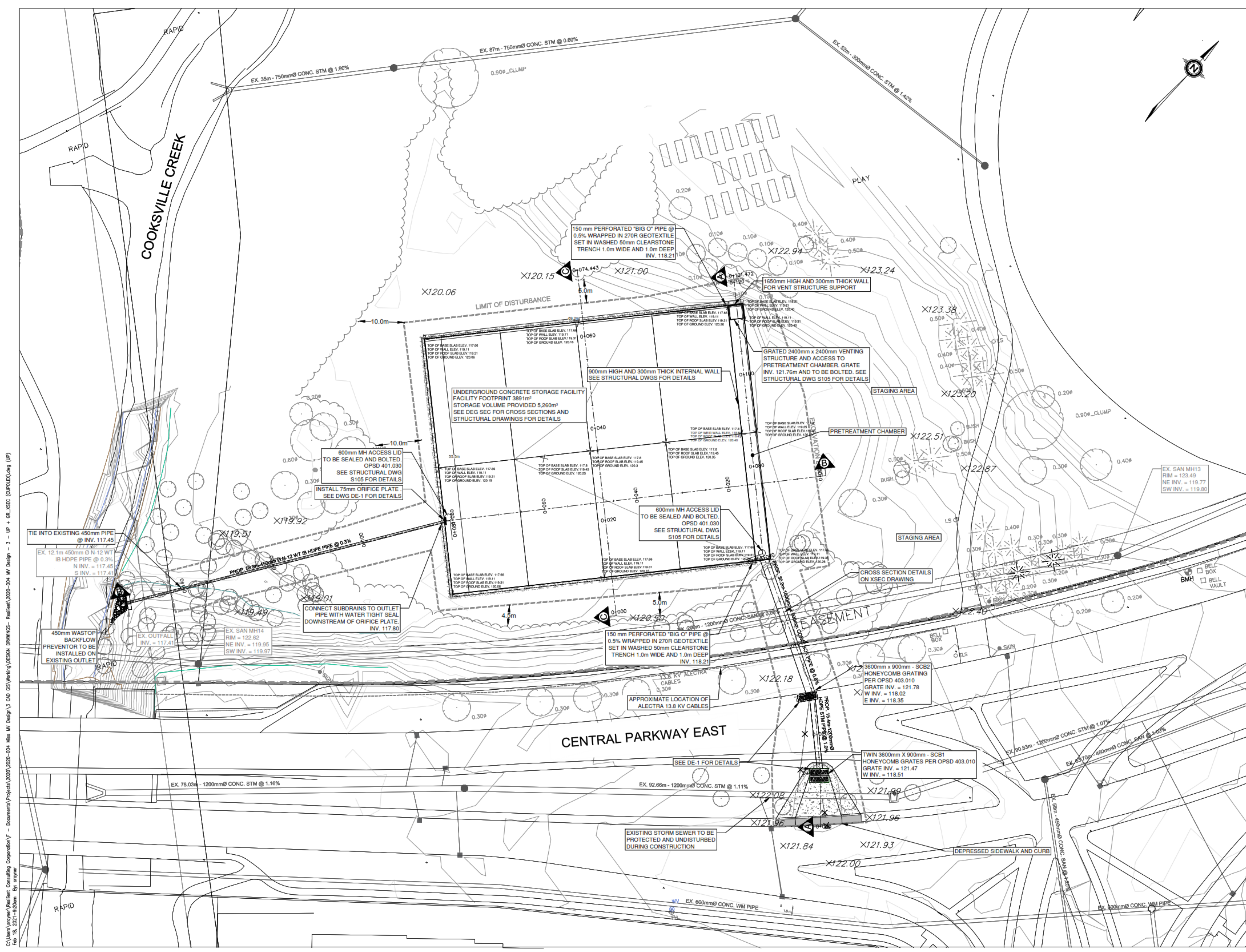
NO.	REVISION	DATE	BY
3.	ISSUED FOR AGENCY APPROVAL	01/14/21	MFB
2.	95% DESIGN PHASE	08/13/20	MFB
1.	30% DESIGN PHASE	05/14/20	MFB

MISSISSAUGA VALLEY PARK
 GENERAL PLAN
 COOKSVILLE SWM FACILITIES - CITY OF MISSISSAUGA

MISSISSAUGA

RESILIENT CONSULTING

DESIGNED BY: SR	DATE: MAY 2020	CHECKED BY: MB
DRAWN BY: AN	PROJECT NO. 2020-004	APPROVED BY: MB
SCALE: 1:350		DRAWING NO. GP



- LEGEND**
- PROPERTY LINE
 - - - - EXCAVATION LIMIT
 - LIMIT OF DISTURBANCE
 - TREE DRIPLINE
 - ✕ REMOVALS

NO.	REVISION	DATE	BY
3.	ISSUED FOR AGENCY APPROVAL	01/14/21	MFB
2.	95% DESIGN PHASE	08/13/20	MFB
1.	30% DESIGN PHASE	05/14/20	MFB

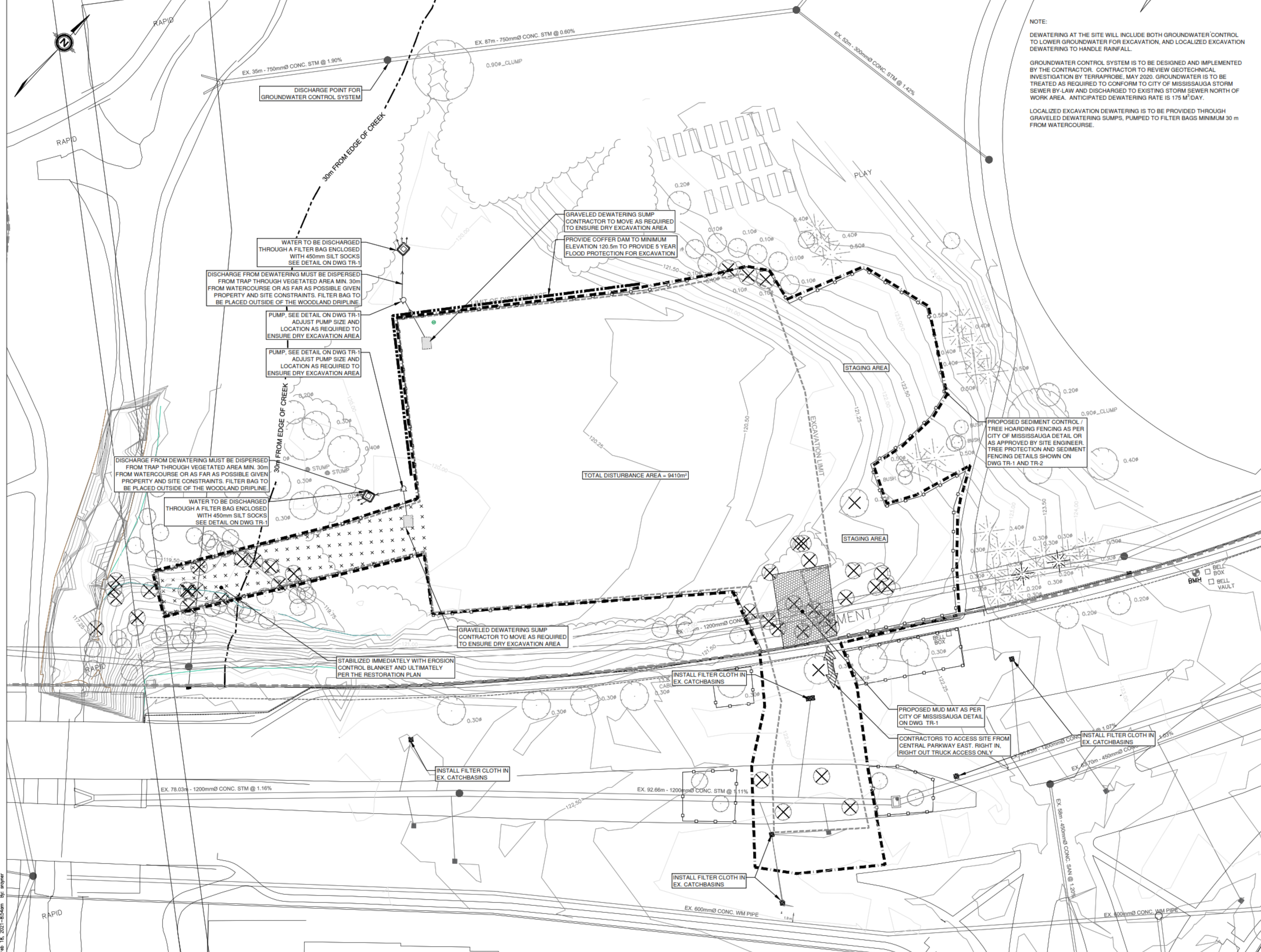
MISSISSAUGA VALLEY PARK
UNDERGROUND INFRASTRUCTURE PLAN
COOKSVILLE SWM FACILITIES - CITY OF MISSISSAUGA



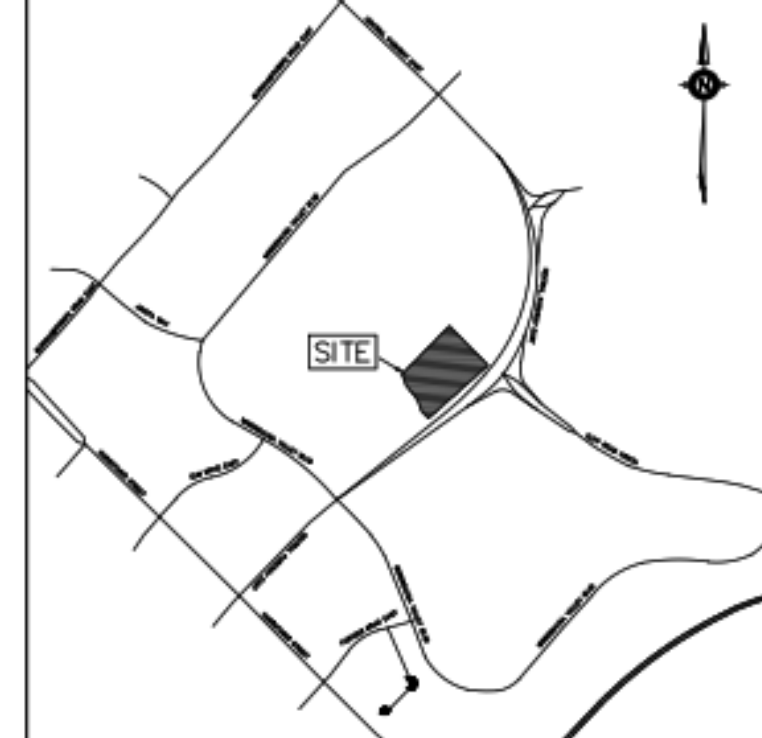
DESIGNED BY: SR	DATE: MAY 2020	CHECKED BY: MB
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 Feb 18, 2021 - 9:20am By: anyone

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 DESIGNED BY: AN DATE: MAY 2020 CHECKED BY: MB
 DRAWN BY: AN PROJECT NO. APPROVED BY: MB
 SCALE: 1:250 2020-004 ESC



NOTE:
 DEWATERING AT THE SITE WILL INCLUDE BOTH GROUNDWATER CONTROL TO LOWER GROUNDWATER FOR EXCAVATION, AND LOCALIZED EXCAVATION DEWATERING TO HANDLE RAINFALL.
 GROUNDWATER CONTROL SYSTEM IS TO BE DESIGNED AND IMPLEMENTED BY THE CONTRACTOR. CONTRACTOR TO REVIEW GEOTECHNICAL INVESTIGATION BY TERRAPROBE, MAY 2020. GROUNDWATER IS TO BE TREATED AS REQUIRED TO CONFORM TO CITY OF MISSISSAUGA STORM SEWER BY-LAW AND DISCHARGED TO EXISTING STORM SEWER NORTH OF WORK AREA. ANTICIPATED DEWATERING RATE IS 175 M³/DAY.
 LOCALIZED EXCAVATION DEWATERING IS TO BE PROVIDED THROUGH GRAVELED DEWATERING SUMPS, PUMPED TO FILTER BAGS MINIMUM 30 m FROM WATERCOURSE.



- LEGEND**
- LIMIT OF DISTURBANCE
 - PROPERTY LINE
 - - - SANITARY SEWER EASEMENT
 - EXISTING TREE
 - ⊗ EXISTING TREE TO BE REMOVED
 - PROPOSED TREE HOARDING
 - ~ TREE DRIPLINE
 - - - EXISTING CONTOURS
 - ESTIMATED EXCAVATION LIMIT
 - COFFER DAM

NO.	REVISION	DATE	BY
3.	ISSUED FOR AGENCY APPROVAL	01/14/21	MFB
2.	95% DESIGN PHASE	08/13/20	MFB
1.	30% DESIGN PHASE	05/14/20	MFB

MISSISSAUGA VALLEY PARK
 EROSION AND SEDIMENT CONTROL PLAN
 COOKVILLE SWM FACILITIES - CITY OF MISSISSAUGA



DESIGNED BY: SR	DATE: MAY 2020	CHECKED BY: MB
DRAWN BY: AN	PROJECT NO. 2020-004	APPROVED BY: MB
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Next Steps

- The City of Mississauga is now moving forward with the construction of the project.
- The project design is in the final stages of review, with all comments received from this Public Open House to be considered in finalizing the design.
- Construction at Mississauga Valley Park is planned to begin in Fall 2021, with completion anticipated in Summer 2022.

Contact Information

- If you wish to provide comments on the proposed work, please contact one of the identified Project Team members listed below through email or telephone. A comment sheet has also been made available to print, which can be mailed to either member of the Project Team by the April 2nd, 2021 deadline.
- For additional information, please contact:

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