

Brittany Drive Pump Station Reconstruction

Online Engagement Opportunity
(January 22 to February 5, 2021)

Welcome

Welcome to the Online Engagement Opportunity for the Brittany Drive Pump Station Reconstruction Project.

The City has a proactive communications approach. The project team will update you on the project using different methods to communicate including letters and posting information on Ottawa.ca.

The purpose of this Online Engagement Opportunity is to present the detailed design and to inform residents and business owners of the upcoming construction activities.

Please review the information presented and **provide your comments by phone or email**, as noted on the last page of this document, **by February 5, 2021**.

Project Limits

- Brittany Drive Pump Station (BDPS)
 - Located on Brittany Drive north of Montreal Road
- This BDPS Reconstruction Project and the Montreal Road Revitalization Project do not interrelate.

Please refer to project display for additional details



Background Information

- The existing BDPS acts as the secondary pump station augmenting flows to Montreal Road Pressure Zone (Zone Mont). Previous studies have identified the need for additional pumping capacity in Zone Mont for both growth and reliability purposes.
- Condition assessments of the existing pump station were completed in 2006 and 2015. The findings were as follows:
 - The structural components (foundations and the ground floor slab) were found to be in very poor condition and in need of replacement.
 - The size of the structure was deemed inadequate to allow for any upgrades within the existing facility.

Background Information (Continued)

- The Pumping Station has not been upgraded until now because other improvements within the water distribution system were made that improved the reliability of the system. The forecasted development in the area and the need for a future higher capacity has triggered the need for a new Pumping Station. Therefore, It was concluded that a new, larger pump station should be constructed to replace the existing one.
- The Class Environmental Assessment (EA) process for the new pump station was completed in 2006. After considering several options and consultation with the public, it was determined that the existing site is the most suitable location for the new BDPS.

Project Overview

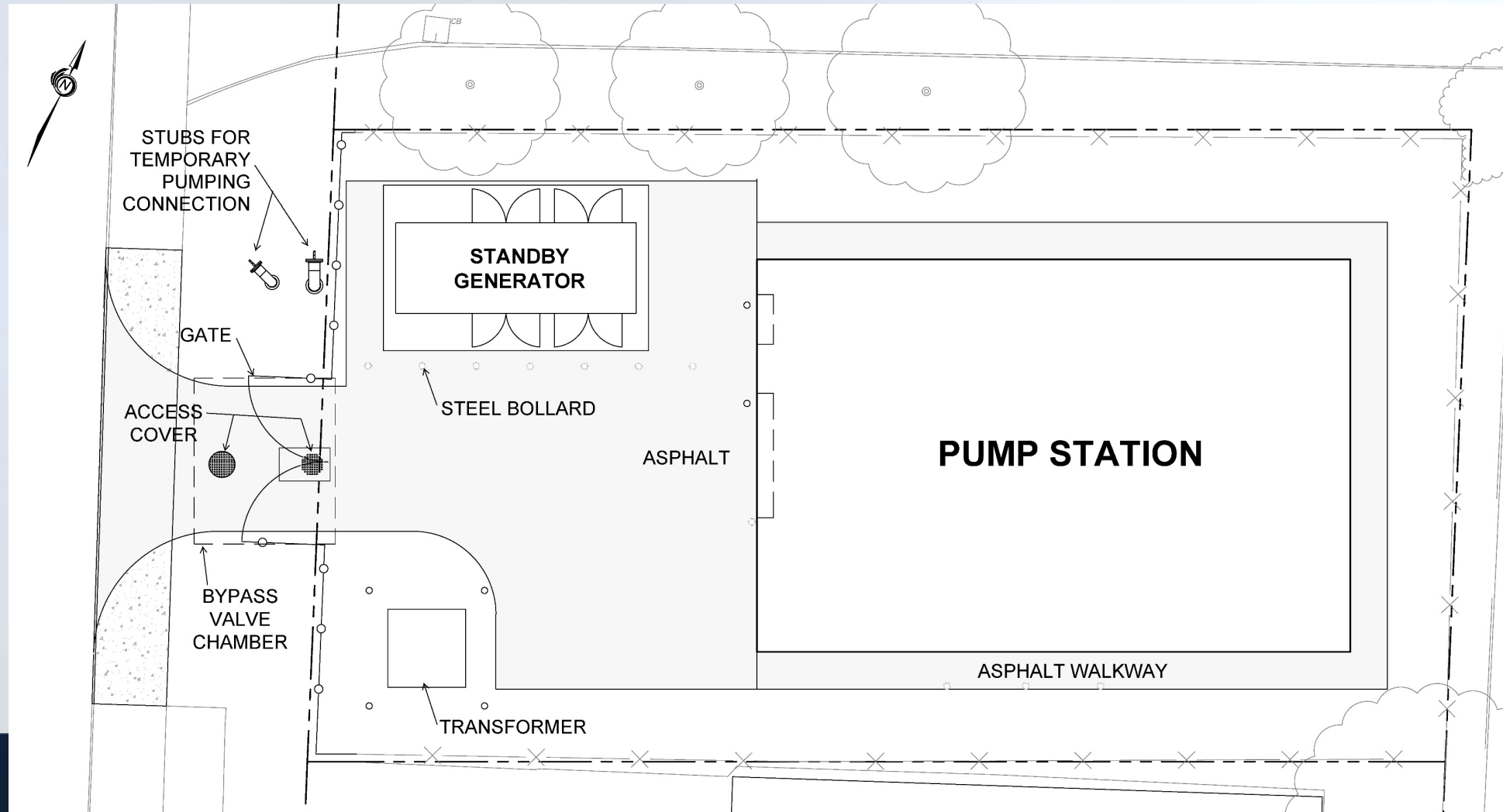
- The work includes the removal of the existing building and construction of the new, larger pump station.
- The project also includes the watermain and sewer work along Brittany Drive and Montreal Road:
 - Montreal Road:
 - The existing sanitary sewer within Montreal Road intersection will be replaced by a new sanitary sewer.
 - Brittany Drive:
 - The existing sanitary sewer will be replaced by a new sanitary sewer.
 - A section of the existing watermain will be abandoned on the east side and replaced with a new suction line to the pump station.
 - On the west side of Brittany Drive, a new discharge line from the pump station will be constructed to replace a section of watermain.
 - The suction and discharge line will be inter-connected at the new bypass chamber located near BDPS.
 - The existing storm sewer and catch basins will be replaced along Brittany Drive.

Existing Conditions



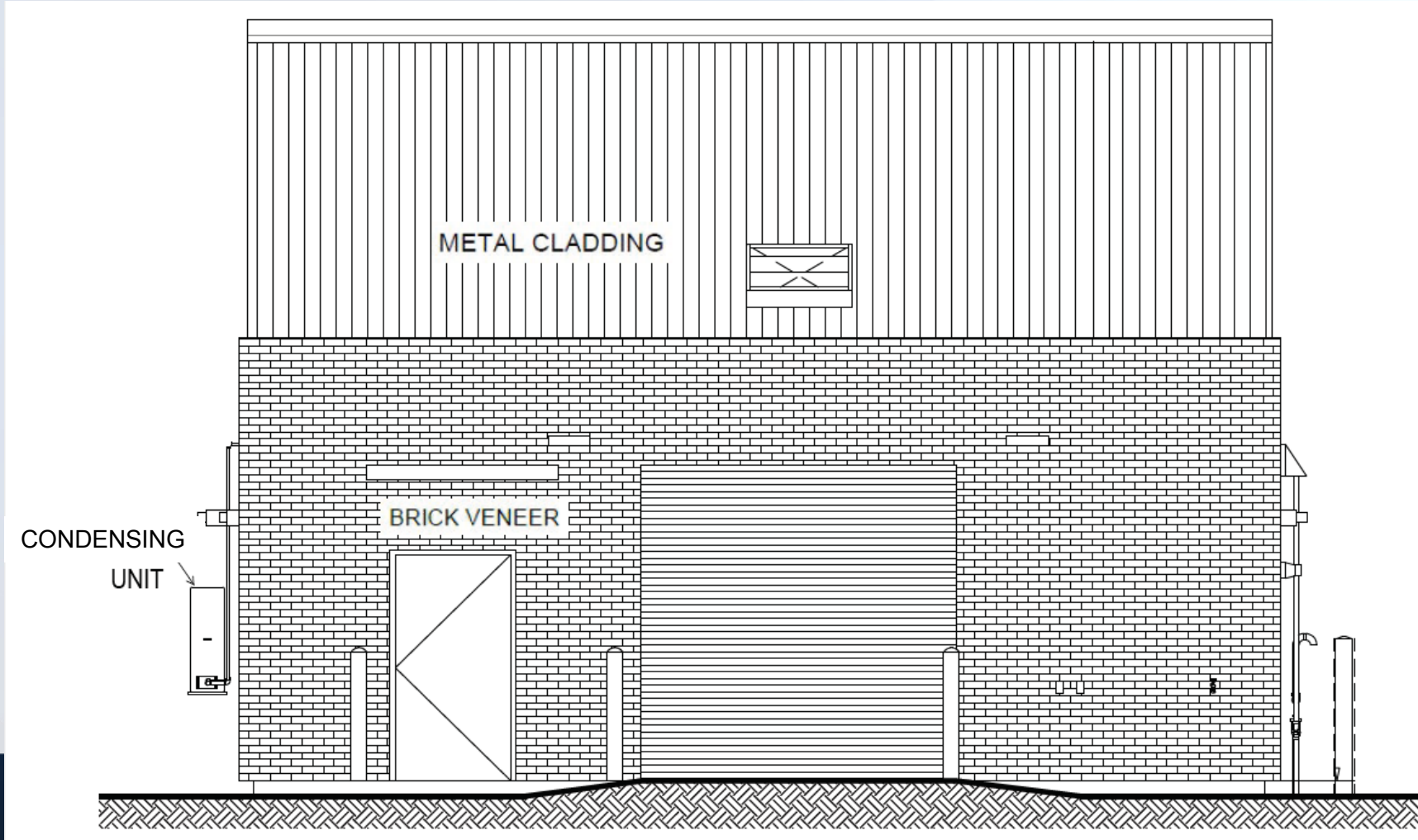
Proposed New Pump Station

Site Plan



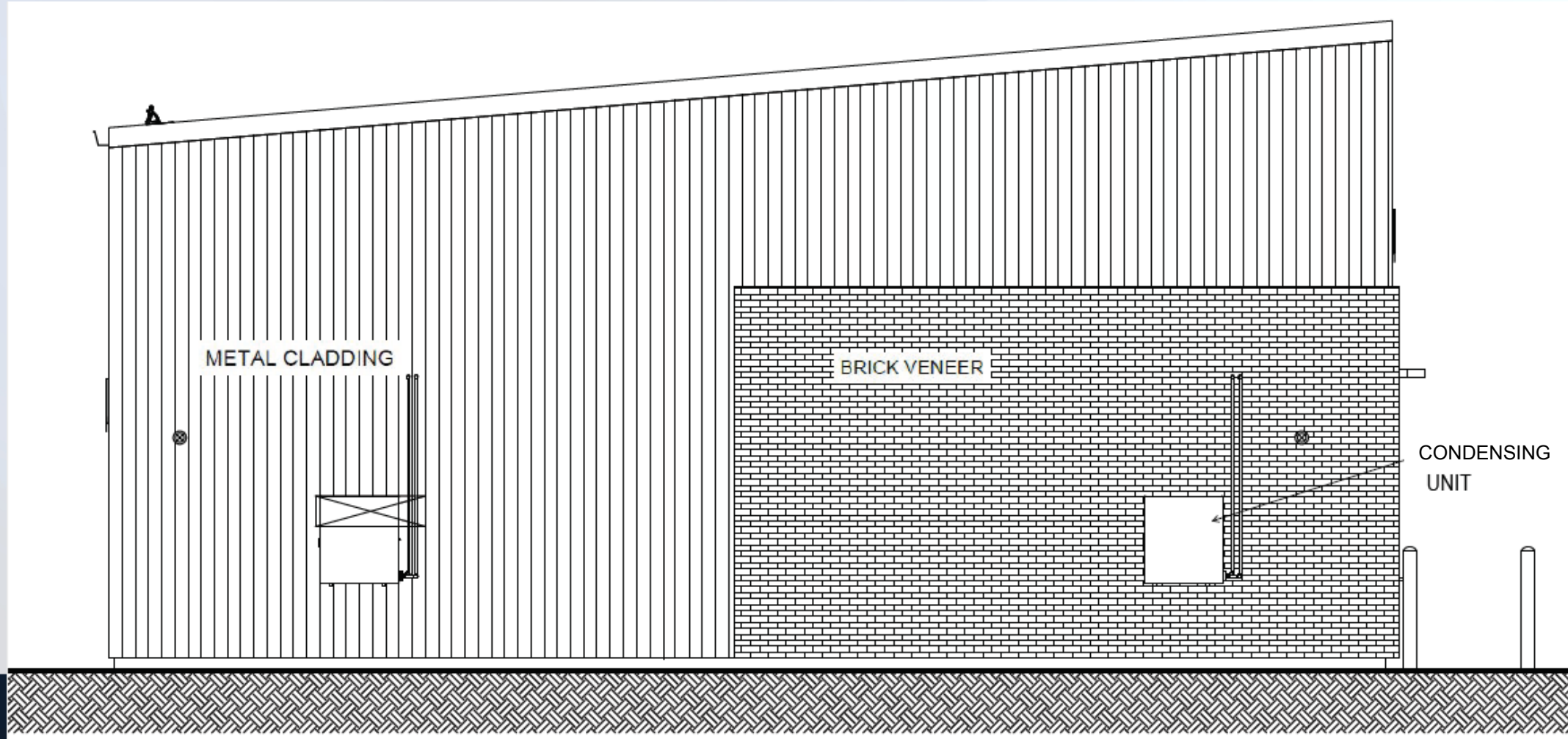
Proposed New Building

Elevation View of Pump Station – West Elevation



Proposed New Building

Elevation View of Pump Station – North Elevation



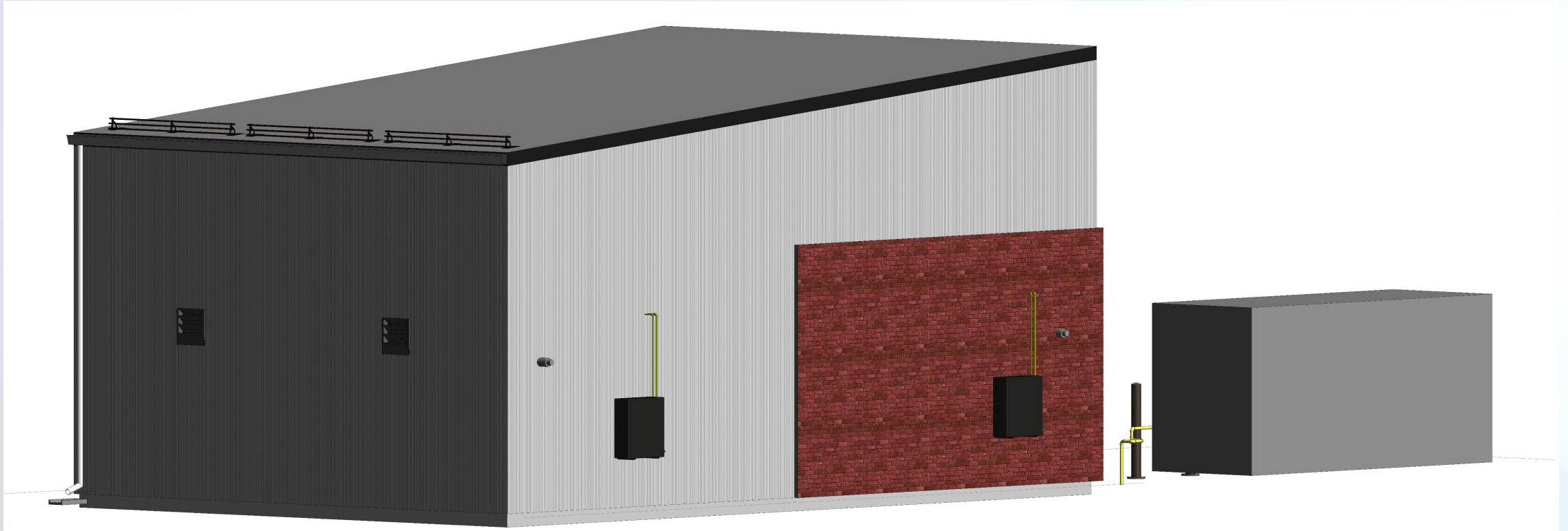
Proposed New Building

3D View



Proposed New Building

3D View



Pedestrians and Public Transportation

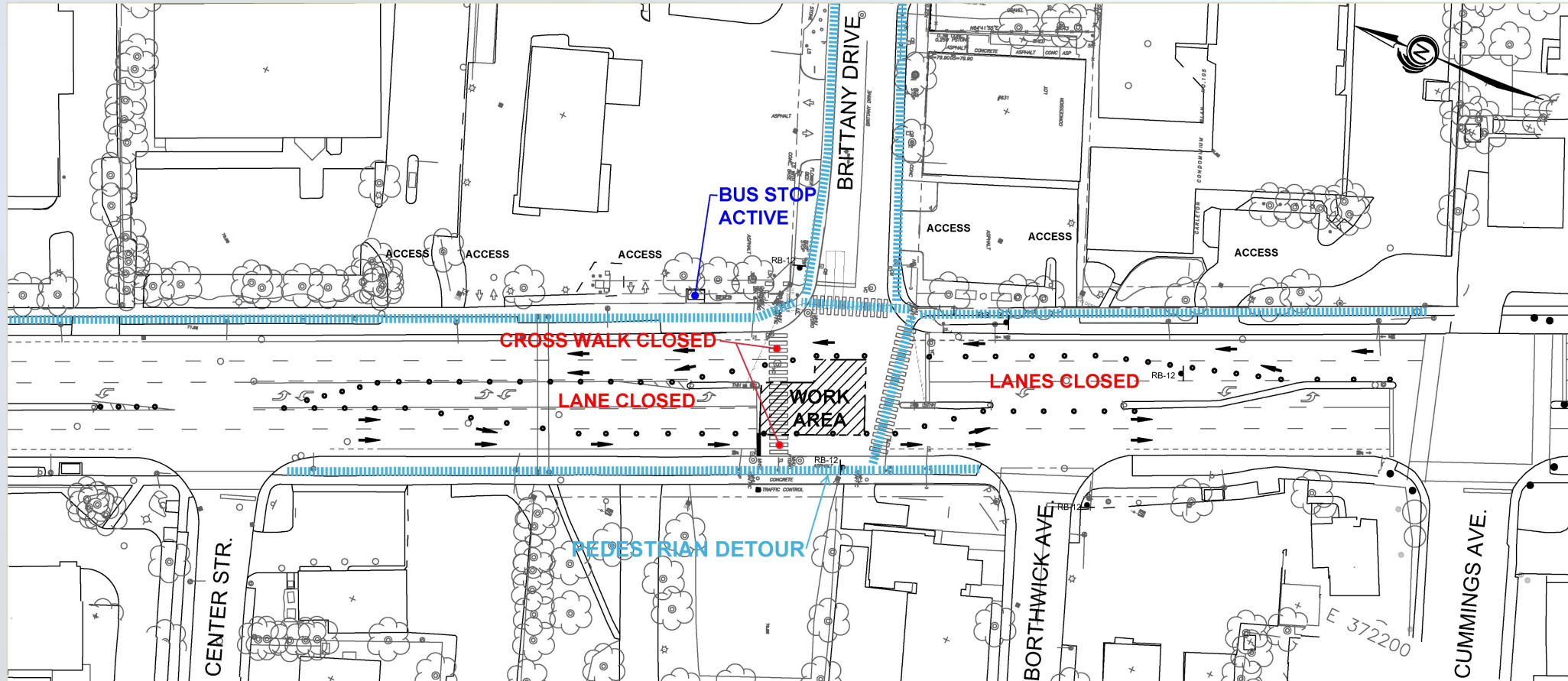
- The construction of the pump station and the watermain and sewer work along Brittany Drive will result in road narrowing and temporary traffic lane and sidewalk closures during construction.
- Accessibility is an important consideration for the City, and we will make every effort to provide access through and around the construction zone.
 - A temporary pedestrian cross-over will be constructed to maintain accessibility for residents and for the public.
 - Pedestrian detour and bus stop relocation will be required for the duration of construction as seen on the traffic management drawings.
 - Construction of watermain and sewer pipes will be completed within 6-8 weeks. Construction of the pump station will take 9-10 months with associated long-term traffic lane and sidewalk closures.
 - After construction is completed, traffic lanes and sidewalk will be restored to original conditions.

Pedestrians and Public Transportation

- OC Transpo bus service for routes 7, 12, 15, 17 and 20 will continue to operate using temporary bus stops during construction.
 - Routes Servicing Brittany Drive will be maintained in both directions for the full duration of construction.
 - Buses will circulate on Brittany Drive in one direction only during Phases 3 and 4 as shown on the traffic management drawings.
 - During Phase 3 and 4, impacted buses for routes 7 and 20 will be detoured to maintain the service in both directions.
 - More detailed information on the detour will be provided by OC Transpo at time of construction.

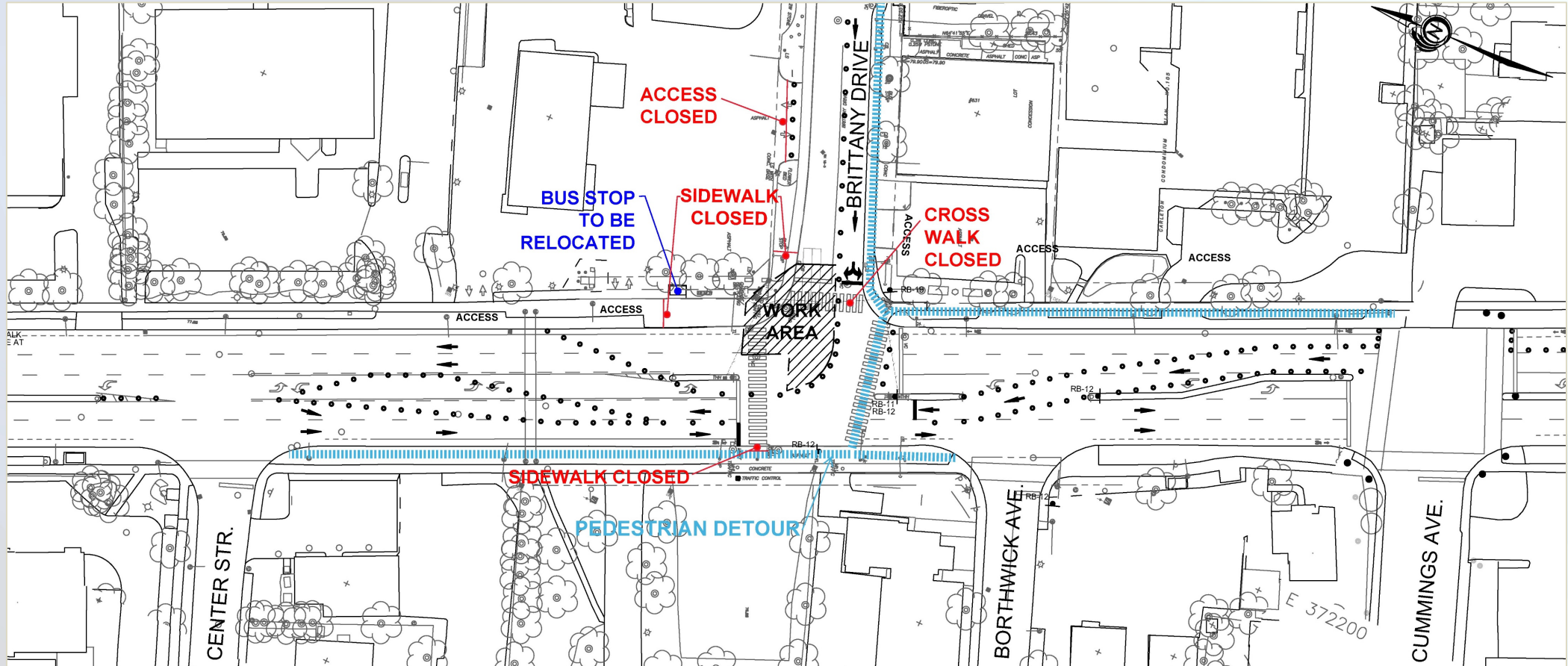
Traffic Management During Construction

Proposed traffic management on Montreal Road – **Phase 1** (sewer installation – weekends or overnight):



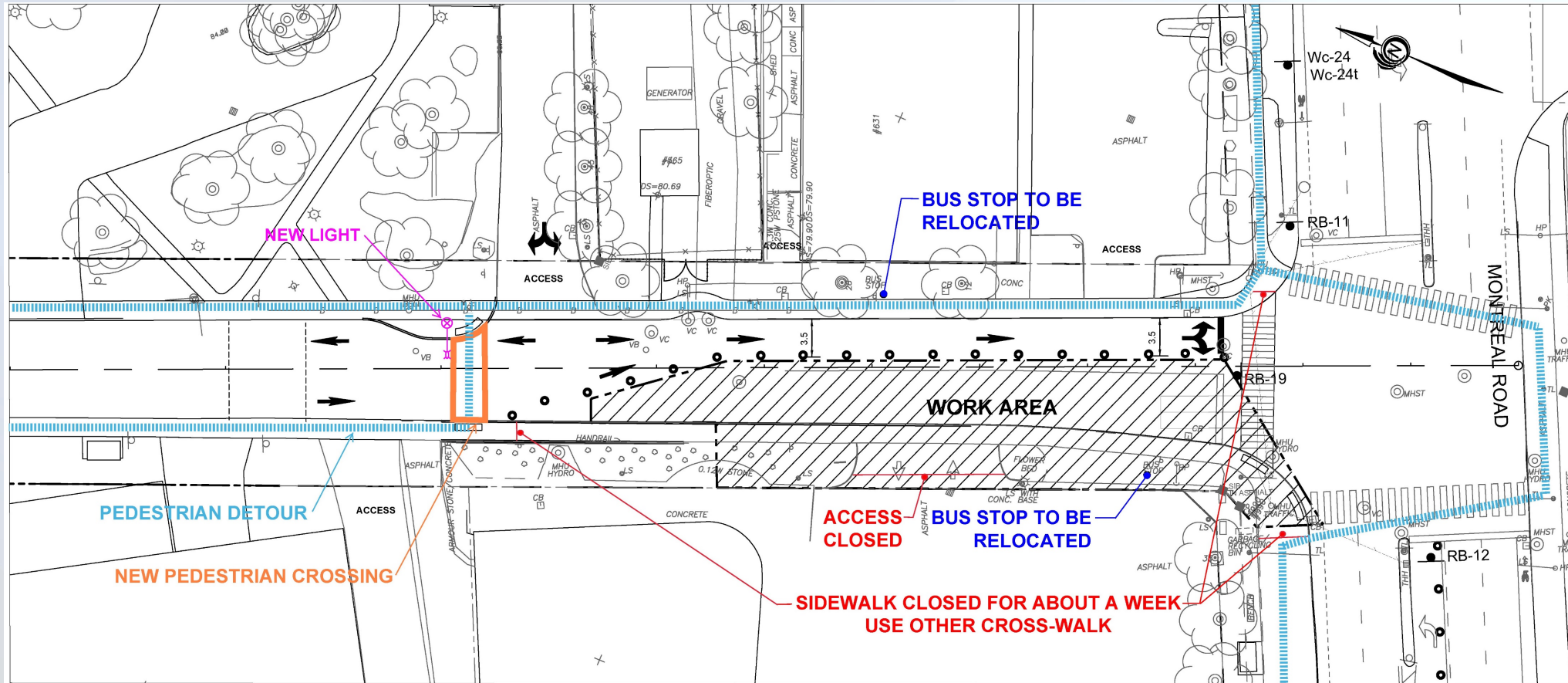
Traffic Management During Construction

Proposed traffic management on Montreal Road – Phase 2 (sewer installation – weekends or overnight):



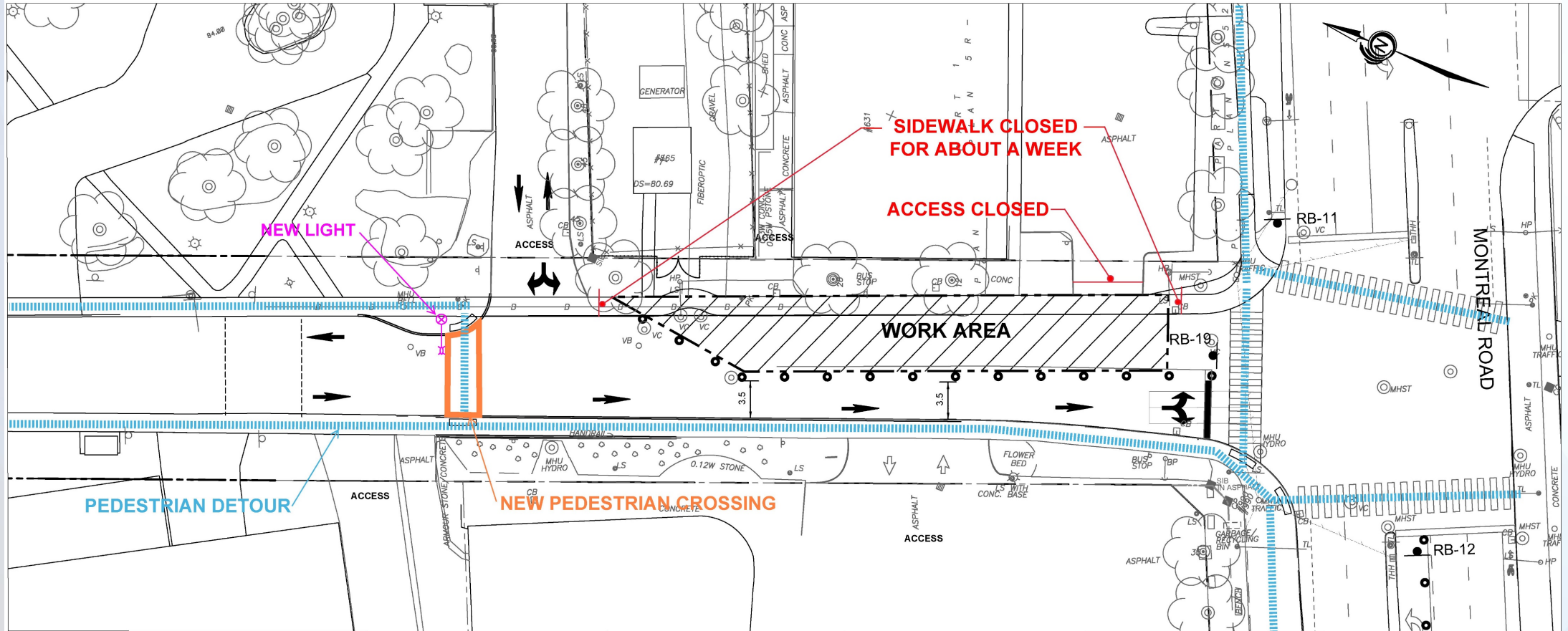
Traffic Management During Construction

Proposed traffic management on Brittany Drive – Phase 3 (watermain and sewer installation):



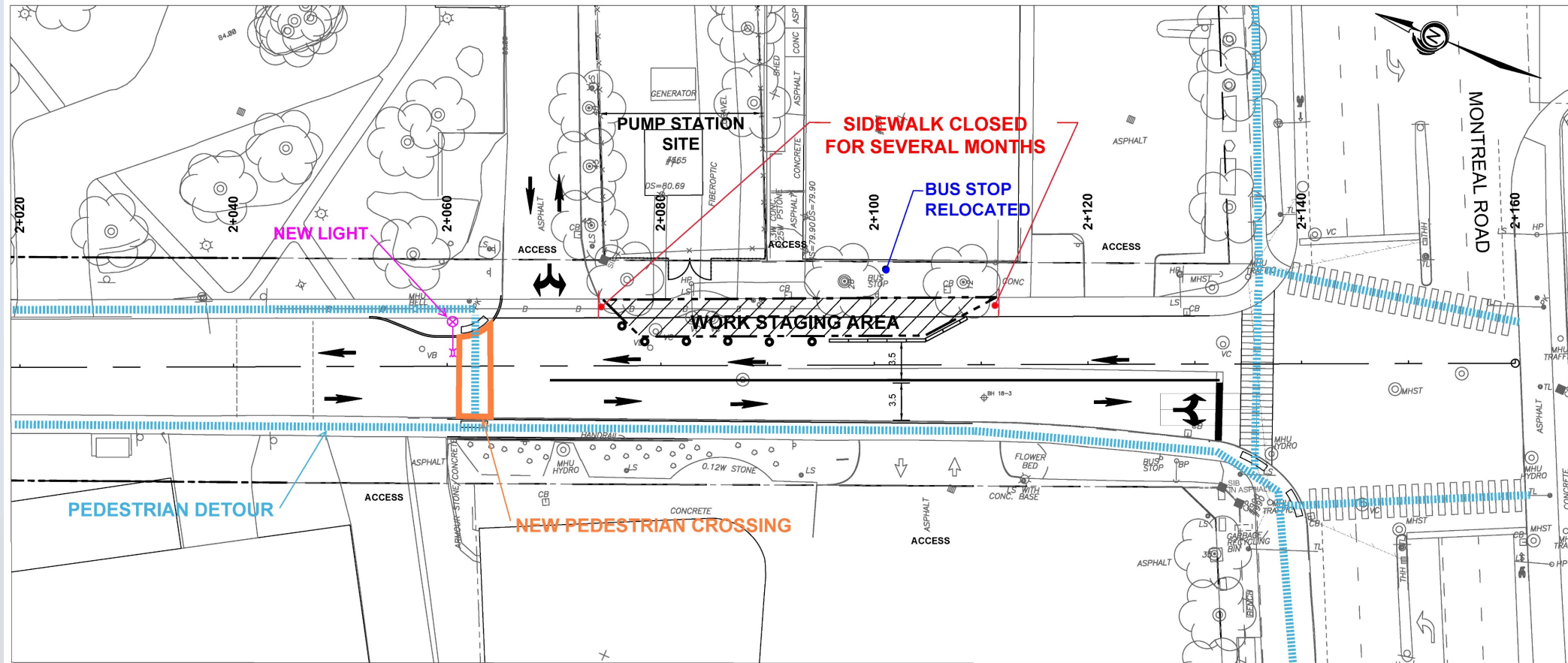
Traffic Management During Construction

Proposed traffic management on Brittany Drive – Phase 4 (watermain and storm sewer installation):

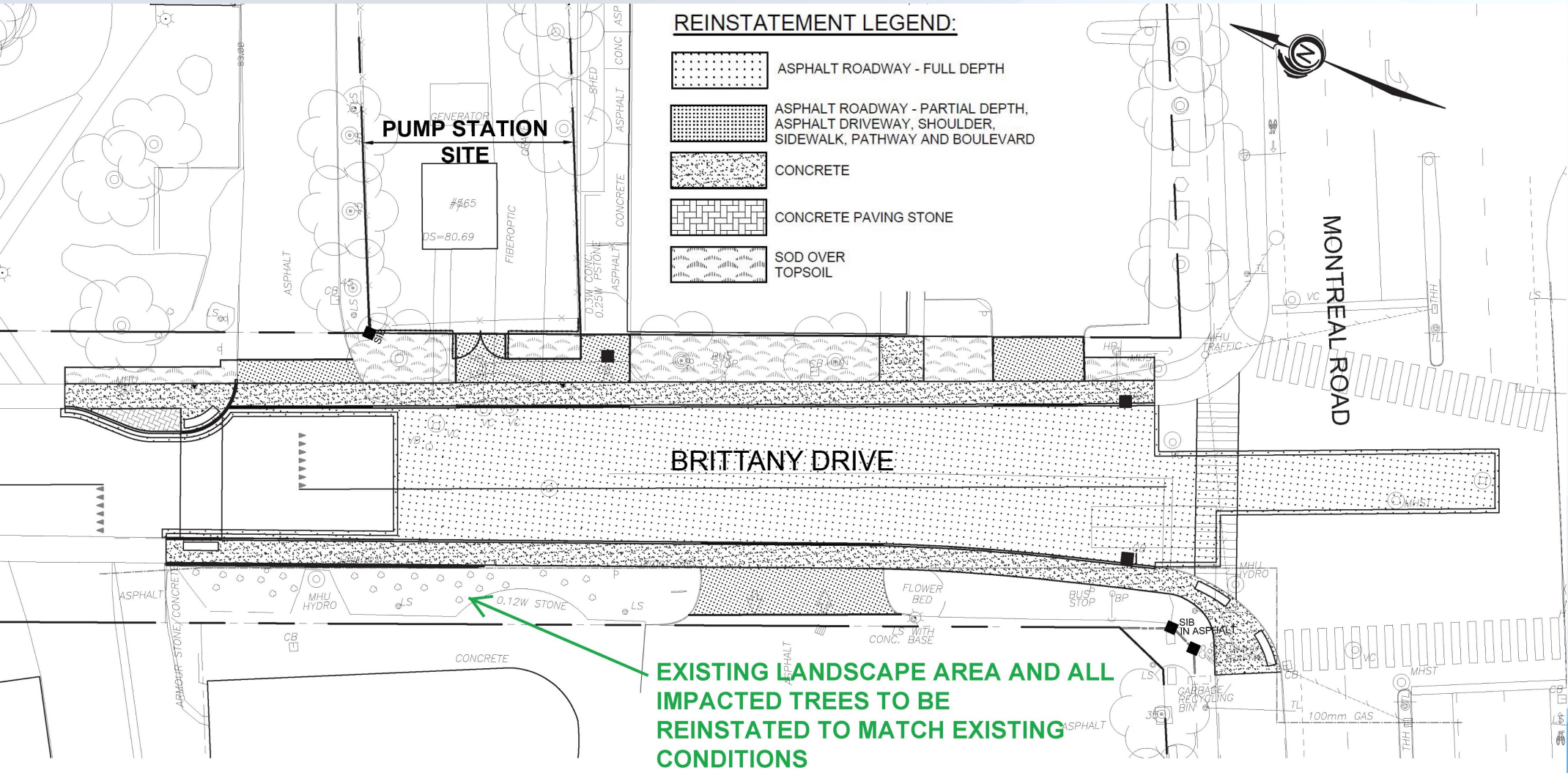


Traffic Management During Construction

Proposed traffic management on Brittany Drive – Phase 5 (pump station construction – long-term):



Reinstatement Plan



Schedule – What Happen Next

- The project team will compile comments from this Online Engagement Opportunity and post a summary online without posting any personal information.
- The team will finalize the design drawings in early 2021.
- The construction contract is expected to be tendered in spring 2021.
- Construction is planned to commence in May 2021 and continue until late summer 2022.
- Notices will be sent prior to construction commencing.

Thank you

Thank you for visiting the project's information boards. We encourage and welcome your feedback on the upcoming construction.

Please email your comments to the address shown below by **Friday, February 5, 2021.**

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