



The Town of Niagara-On-The-Lake

Operations
Telephone (905) 468-3266
Facsimile (905) 468-2959

1593 Four Mike Creek
Road
P.O. Box 190
Virgil, Ontario
L0S 1T0

Report: OPS-20-014

Committee Date:

Due in Council:

April 14, 2020

Report To: Lord Mayor and Council

Subject: Regional Streetscape Enhancements - Glendale Avenue and York Road

1. RECOMMENDATION

It is respectfully recommended that:

- 1.1 Council approve the recommendation to move forward with the proposed Regional Road enhancements of Glendale Avenue and York Road area tentatively scheduled from 2020 to 2023 and advise the Region accordingly;
- 1.2 Council approve the recommendation that the Director of Corporate Services prepare a subsequent report on a funding model that debentures the expected costs, estimated at \$334,336.75 (plus applicable taxes), without impact to the current capital budget program.

2. PURPOSE / PROPOSAL

To secure Councils approval to fund proposed enhancements of Glendale Avenue (Regional Road 89) and York Road (Regional Road 81) area.

3. BACKGROUND

The Region of Niagara is proposing to reconstruct the intersection of Glendale Avenue and York Road in co-ordination with the MTO replacement of the Glendale overpass between 2020 and 2023.

The Town received the attached funding request letter and updated and corrected estimate on March 24 and 27, 2020 respectively showing the proposed enhancements being proposed and the cost sharing required by the Town.

Also find attached preliminary design drawings showing a general view of the Regional intersection and typical picture of the proposed enhanced street light being proposed.

4. DISCUSSION / ANALYSIS

While completing these enhancements will certainly be visually appealing, they come at a significant cost to the Town on a right of way that the Town does not own.

The assets that the Town currently owns and would become Regionally owned and

maintained in the future would be the street lights, which the Town would be paying for to provide the required enhancements (decorative black poles and bases).

The new assets that the Town would own and be required to maintain would be the landscaping and irrigation features.

5. STRATEGIC PLAN

N/A

6. OPTIONS

1. Council approve the recommendation of all proposed enhancements;
2. Council not approve any of the proposed enhancements;
3. Council approve certain portions of the enhancements.

7. FINANCIAL IMPLICATIONS

In discussions with the Director of Corporate Services, none of the Towns current capital budgets or reserves can support this type of request.

The Director of Corporate Services has recommended that if these enhancements are completed, they would have to be debentured over several years.

Working with the Regions estimates provided, the Town has broken the proposed work to be completed into (2) categories with an estimated total cost of each as shown;

Landscaping & Irrigation Enhancements -	\$73,147.25 (plus applicable taxes)
Street Lighting Enhancements -	\$261,189.50 (plus applicable taxes)

Total -	\$334,336.50 (plus applicable taxes)
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Any proposed debentures could be supported and paid through the following areas based on the above cost breakdowns;

Landscaping and Irrigation Enhancements: raise sections of the current parks and recreation operating budget annually.

Street lighting: raise the current annual street lighting base rate for all residents.

In addition, the operating costs to maintain the landscaping enhancements added in this project will exceed the current budget resources allocated in the 2020 Operating budget.

Parks and Recreation staff will propose an increase required to maintain plantings and irrigation system for consideration to the Audit committee in the year of installation.

The Region currently has a Public Realm Investment Program (PRIP) that offers grants to municipalities for enhanced features such as these.

This grant program has a maximum of limit of \$100,000 for a municipal project a year with a matching municipal amount required.

Applications are submitted in the spring of the year the project is completed, therefore confirmation of maximum grant allowance cannot be guaranteed at this time and as such the Town will need to approve recommendations of the full required amounts at this time.

8. COMMUNICATIONS

Upon approval of this report, the Region will be advised of Councils recommendations.

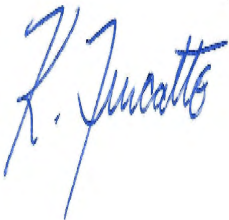
9. CONCLUSION

Working with the Region to complete these enhancements in the Glendale area will create a visually enhanced streetscape, but will come at significant cost and increase in various budgets to finance the proposed debentures over several years.

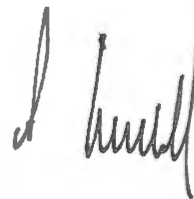
Respectfully submitted,



Jeffrey Vyse, C.S.T.
Manager of Public Works



Kevin Turcotte
Director of Operations (A)/
Manager of Parks & Recreation



Sheldon Randall
Chief Administrative Officer (I)

ATTACHMENTS



2020-03-24 30.Region.Let.Cost.sharing.NOTL.pdf 2020-03-27.Region.Estimate.Updated.Cost.Sharing.NOTL.pdf



Contract_Drawings_ (General-Regional Portion) - 30%-Nov.22.2019.pdf



Powdercoated post arm and decorative collar.pdf

March 24, 2020

Mr. Kevin Turcotte
Acting Director of Operations
Town of Niagara-on-the-Lake
1593 Four Mile Creek Road, PO Box 100
Virgil, ON L0S 1T0

Dear Mr. Turcotte:

**Cost Sharing for 2019-2119 MTO Project Design-Build RFP
QEW/Glendale Avenue Diverging Diamond Interchange – 30% Design
In the Town of Niagara-on-the-Lake
Our File: O.01.05 77 089 1822**

The Design-Build RFP for 2019-2119 MTO project, which the Niagara Region is in partnership with the MTO is currently out for procurement in order to solicit a successful Design-Build Contractor, and closes April 16, 2020. The design is presently at 30%, and includes the construction of a Diverging Diamond Interchange, roundabout, loop ramp, illumination, multi-use pathway and landscaping. The estimate provided thus far is reflective of the works requested by the Town of Niagara-on-the-Lake to the preliminary design stage.

The cost estimate calculated was based on recent tender pricing submitted on other Regional tenders:

• Construction Cost	\$317,813.50	Updated \$303,942.50
• Engineering, Contract Administration (10%)	\$31,781.35	\$30,394.25
TOTAL (excluding tax)	\$349,594.85	\$334,336.75

This cost-sharing breakdown is based on estimated quantities, and will be reviewed at key milestones throughout the project with the Town. The final cost-sharing breakdown will be provided at the completion of the project using actual contract quantities, including any additional works requested by the Town during construction. A copy of the cost sharing breakdown based on the 30% design is attached. The Region will be invoicing the Town of Niagara-on-the-Lake at the end of the project completion which is anticipated to be in December 2023.

At present we are only seeking a commitment from the Town in order to proceed with the proposed streetscaping initiatives; upgraded decorative illumination and traffic signals; upgrades to the roundabout including, plantings, irrigation and electrical. Please review the attached information and confirm the Town's commitment, in writing, by April 3rd, 2020, prior to closure of the DB RFP. Should you have any questions or require further information, please contact the undersigned.

Yours truly,

X

Stephanie Hupponen, C.E.T.

Project Manager - Transportation Engineering

Attachments

c. Brian McMahon, Program Financial Analyst; Carolyn Ryall, Director Transportation Services Division; Sheldon Randall, Interim Chief Administrative Officer; Jeff Vyse, Manager of Public Works; Mike Komljenovic, Supervisor of Engineering; Betty Disero, Lord Mayor
\\Nrfswrkgrp\pw_trs\Engineering\Regional Road 89 (NOTL)\E1822 Glendale Avenue Interchange at QEW\Cost Sharing\2020-03-03 30percent design Costshring agreement NOTL.docx

DB RFP QEW/Glendale Avenue DDI - In the Town of Niagara-on-the-Lake

CONTRACTOR:

Addendums Issued
30% Design

Tender Close -
Unofficial

Stephanie Huppunen

March 27 2020

ITEM	SPEC NO.	DESCRIPTION	QUAN	TENDER AMOUNT	UNIT	UNIT PRICE
		Excavation				
		a) For Irrigation Sevice	117	\$4,095.00	m³	\$35.00
		Granular Materials				
		a) Granular 'A' (for irrigation service)	269.1	\$6,727.50	t	\$25.00
TOTAL SECTION B - ROADS:					\$10,822.50	
SECTION D - WATERMAINS						
		Supply and Installation of a 25mm Service for Irrigation (Provisional)	1	\$7,500.00	m	\$7,500.00
		Including Mainstop, curbstop and box, anode, 25mm dia copper, and all connections required to complete the work and installation of Town supplied Meter and Meterpit				
TOTAL SECTION D WATERMAINS:					\$7,500.00	

Quantities		Percentage		Amount / Budget	
NOTL	TOTAL	NOTL	TOTAL	NOTL	TOTAL
		100%	100%		\$0.00
				10RC1554	account number
117.00	117	1.0000	1.0000	\$4,095.00	\$4,095.00
269.10	269	1.0000	1.0000	\$6,727.50	\$6,727.50
1.00	1	1.0000	1.0000	\$7,500.00	\$7,500.00

checking

\$10,822.50

\$7,500.00

DB RFP QEW/Glendale Avenue DDI - In the Town of Niagara-on-the-Lake

CONTRACTOR:

Addendums Issued

30% Design

**Tender Close -
Unofficial**

Stephanie Huppunen

March 27 2020

ITEM	SPEC NO.	DESCRIPTION	QUAN	TENDER AMOUNT	UNIT	UNIT PRICE
SECTION E - ROADWAY LIGHTING						
		Roadway Lighting				
		1) Supply and Install Poles Including all Mounting Hardware Black Coated Decorative				
		As per NRS 2130, NRS 2440				
		a) Sectional Steel Poles (Base Mounted)				
		i) Type 5 - 8.9m tall (Powder Coating Costs)	60	\$145,740.00	ea	\$2,429.00
		ii) Type 6 - 10.5m tall (Powder Coating Costs)	6	\$16,206.00	ea	\$2,701.00
		2) Luminaire Arms Black Voated Decorative				
		a) Supply and Install Luminaire Arms				
		Install luminiare arm of appropriate length to position luminaire at standard location.				
		i) Street Light Arm, 1.8-3m Length				
		Aluminous # ALS-RE8M	66	\$33,000.00	ea	\$500.00
		3) Decorative Pole Bases	66	\$19,140.00	ea	\$290.00

TOTAL SECTION E ROADWAY LIGHTING:	\$214,086.00
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SECTION F - TRAFFIC SIGNALS					
		1) Install Poles Including all Mounting Hardware (Black Coated Decorative) Powder Coating Costs			
		As per NRS 2130, NRS 2440			
		a) Sectional Steel Poles (Base Mounted)			
		i) Type 5 - 6.3m tall (signal pole without luminaire/camera)	8	\$13,584.00	ea
		b) Spun Aluminum Poles - base mounted			
		i) Type 1 - 4.0m tall (pedestrian pole)	4	\$3,916.00	ea
		c) Sectional Steel Poles (Direct Bury)			
		i) Type 6 - 7.0m (power pole)	1	\$2,089.00	ea
		d) Decorative Pole base	13	\$3,770.00	ea

TOTAL SECTION F TRAFFIC SIGNALS:		\$23,359.00
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Quantities		Percentage		Amount / Budget	
NOTL	TOTAL	NOTL	TOTAL	NOTL	TOTAL
		100%	100%		\$0.00
				10RC1554	account number
60.00	60	1.0000	1.0000	\$145,740.00	\$145,740.00
6.00	6	1.0000	1.0000	\$16,206.00	\$16,206.00
66.00	66	1.0000	1.0000	\$33,000.00	\$33,000.00
66.00	66	1.0000	1.0000	\$19,140.00	\$19,140.00

checking

\$214,086.00

\$23,359.00

DB RFP QEW/Glendale Avenue DDI - In the Town of Niagara-on-the-Lake

CONTRACTOR:

Addendums Issued
30% Design

Tender Close -
Unofficial

Stephanie Huppunen

March 27 2020

ITEM	SPEC NO.	DESCRIPTION	QUAN	TENDER AMOUNT	UNIT	UNIT PRICE
SECTION G - LANDSCAPING						
1	SSP 45	1) Landscaping Supply and install all plant unit prices as per drawings, details and specifications, and include required planting soil and mulch. Sizes as indicated. b) Plantings at Roundabout i) Picea pungens 'Hoopsii' (200cm W.B.) ii) Ilex verticillata 'Red Sprite' (#3Cont) iii) Ilex verticillata 'Jim Dandy' (#3Cont) iv) Helictotrichon sempervirens (#1Cont) v) OSC Mini Mow Ecological Lawn Seed Mixture 8335 2) Irrigation a) Supply and Install Irrigation i) Roundabout b) Irrigation Plan i) Roundabout 3) Electrical for future decorative lighting c) At Roundabout i) Upgrade Hydro Service (panel, base, meter, permit and inspection) ii) 2-50mm Conduit including wiring for 1 duct iii) Outdoor locking receptacle including required connections	5 60 12 372 324 1 1	\$3,625.00 \$2,700.00 \$540.00 \$9,300.00 \$4,860.00 \$12,000.00 \$1,100.00	ea ea ea ea m² LS LS	\$725.00 \$45.00 \$45.00 \$25.00 \$15.00 \$12,000.00 \$1,100.00
TOTAL SECTION G LANDSCAPING:				\$48,175.00		

Quantities		Percentage		Amount / Budget	
NOTL	TOTAL	NOTL	TOTAL	NOTL	TOTAL
		100%	100%		\$0.00
				10RC1554	account number
5.00	5	1.0000	1.0000	\$3,625.00	\$3,625.00
60.00	60	1.0000	1.0000	\$2,700.00	\$2,700.00
12.00	12	1.0000	1.0000	\$540.00	\$540.00
372.00	372	1.0000	1.0000	\$9,300.00	\$9,300.00
324.00	324	1.0000	1.0000	\$4,860.00	\$4,860.00
1.00	1	1.0000	1.0000	\$12,000.00	\$12,000.00
1.00	1	1.0000	1.0000	\$1,100.00	\$1,100.00
1.00	1	1.0000	1.0000	\$0.00	\$0.00
40.00	40	1.0000	1.0000	\$50.00	\$50.00
1.00	1	1.0000	1.0000	\$14,000.00	\$14,000.00

checking

\$48,175.00

CONTRACTOR:

DB RFP QEW/Glendale Avenue DDI - In the Town of Niagara-on-the-Lake

Addendums Issued
30% Design

Tender Close -
Unofficial

Stephanie Huppunen

March 27 2020

ITEM	SPEC NO.	DESCRIPTION	QUAN	TENDER AMOUNT	UNIT	UNIT PRICE
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Total Estimated Price \$303,942.50 Actual Construction Cost

Total Tender Price Excluding Materials (for signal work) \$303,942.50
1.0176 \$5,349.39
\$309,291.89

able HST of 1.76%

Quantities		Percentage		Amount / Budget	
NOTL	TOTAL	NOTL	TOTAL	NOTL	TOTAL
		100%	100%		\$0.00
				10RC1554	account number

checking

\$303,942.50

1.0176

check

\$303,942.50 \$303,942.50

Cost Sharing (WL Portion) \$303,942.50

Engineering CA & Inspection 10% 10% \$30,394.25

TOTAL COST SHARING LAM PORTION \$334,336.75 **

Non recoverable HST of 1.76% 1.0176 \$5,884.33
\$340,221.08

TOTAL PROJECT including non recoverable HST \$340,221.08

SUB-TOTAL PROJECT \$303,942.50

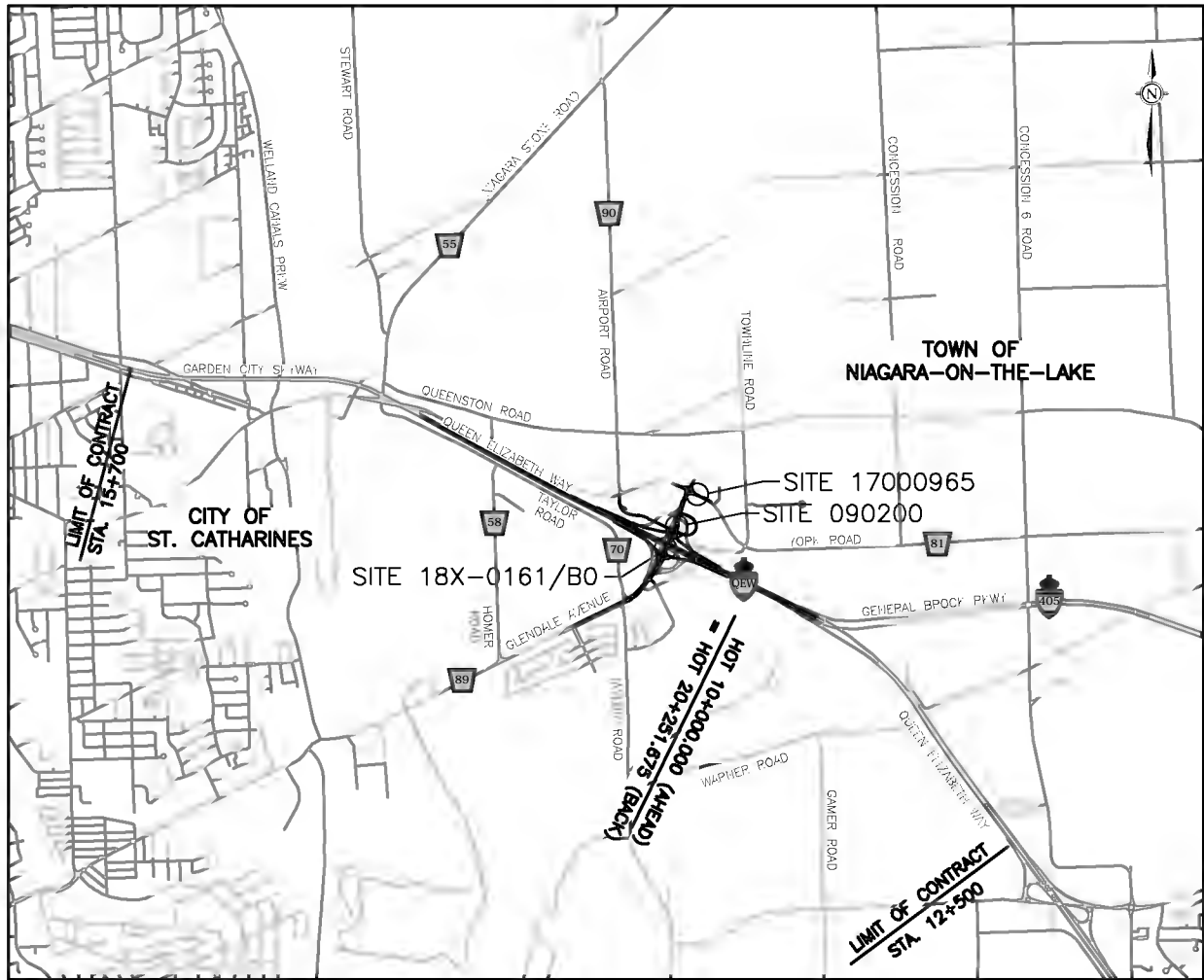
Full HST 1.13 \$39,512.53

TOTAL PROJECT INCLUDING FULL HST \$343,455.03

CONSTRUCTION \$303,942.50 \$303,942.50
Non recoverable HST of 1.76% \$5,349.39 \$5,349.39
\$309,291.89 \$309,291.89
as a Percentage of Total 100%

100%

THIS LOCATION AND DATE OF CONSTRUCTION ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DATE OF CONSTRUCTION.



KEY PLAN

0.5 km 0 1.0 km



GWP No 2423-15-00 Contract No 2019-2119
Work of GRADING, DRAINAGE, GRANULAR BASE, HOT MIX PAVING,
ELECTRICAL, ATMS AND STRUCTURAL

Hwy No QEW Region CENTRAL
Location FROM 1.8 km WEST OF GLENDALE AVENUE EASTERLY
TO 1.2 km EAST OF GLENDALE AVENUE

Length 3.0 km.

Reference Plans _____

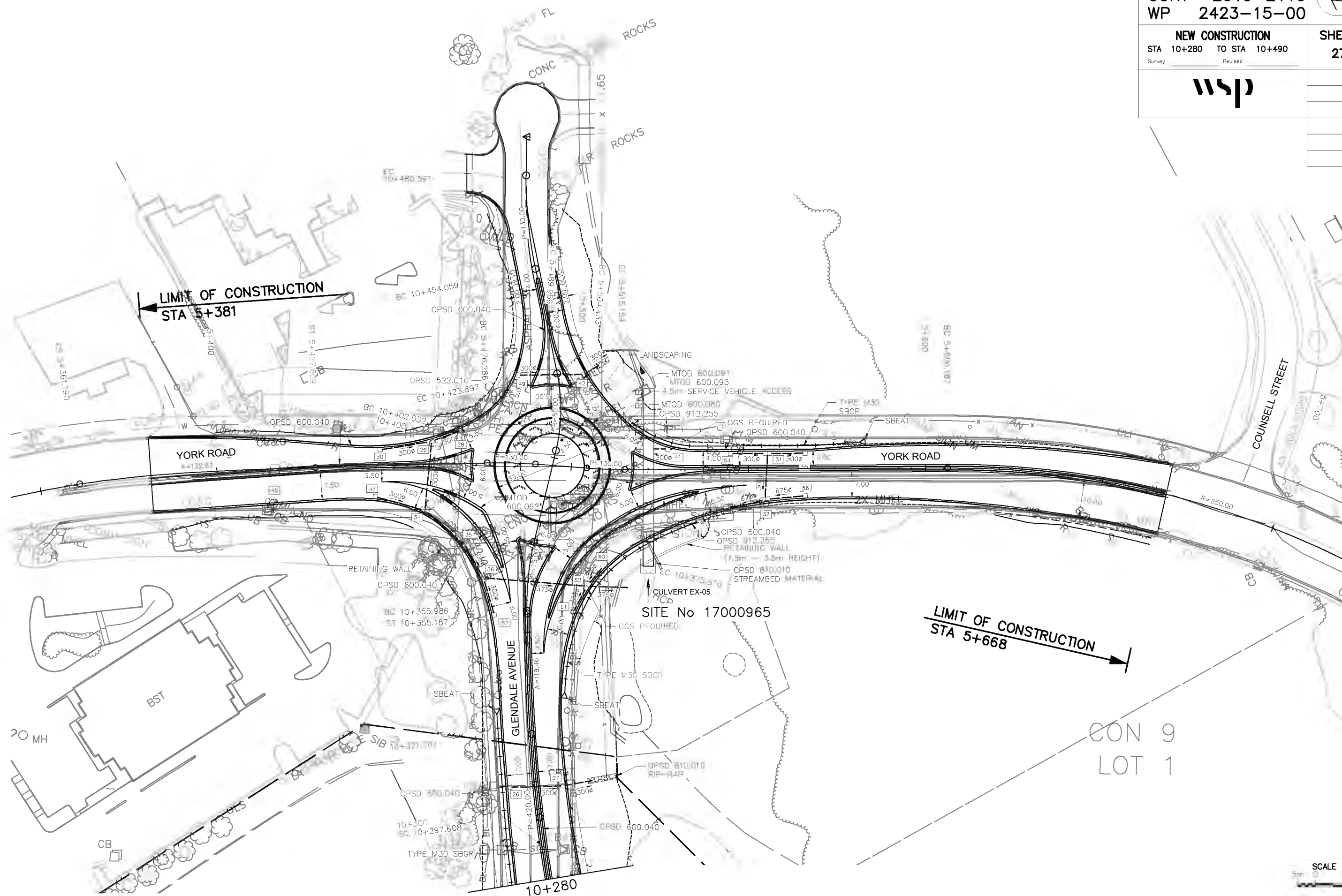
Date _____ P. Eng.
Manager, Engineering,

Date _____ B.Sc., M.B.A.
Regional Director

Ministry of Transportation



SHEET
27



FILE LOCATION AND NAME: X:\DATA\Y09E\HMM-01021 - 10 NEW DERIVATIVE CADX EXCELINGS TE\New Consolidated Q209 - New Consolidation Projection
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SHEET: 1

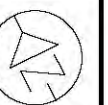
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MODIFIED: 11/22/2019 8:38:21 AM BY: HMK
DATE PLOTTED: 11/22/2019 10:33:57 AM

MINISTRY OF TRANSPORTATION, ONTARIO
PR-3-707 BR-05

METRIC

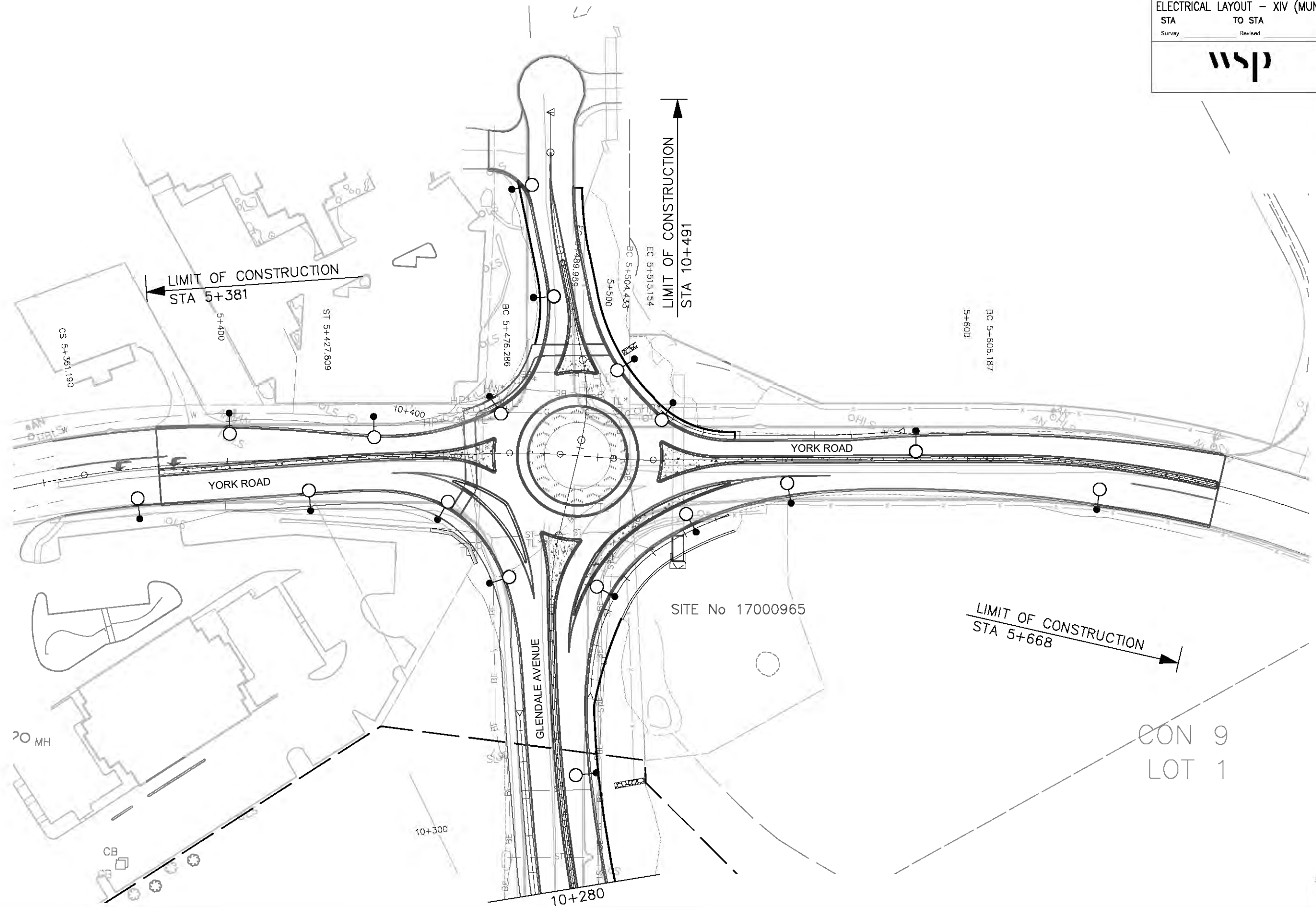
PLATE No
CONT 2019-2119
WP 2423-15-00

ELECTRICAL LAYOUT - XIV (MUN)
STA TO STA
Survey Revised



SHEET
79

wsp



SCALE
5m 0 10m