



Meadowlily Road Environmental Assessment (EA)

Public Information Centre



Source: City of London, 2021









- The Meadowlily Road Area (Study Area) has gained interest for future development opportunities within the City of London. Currently, the Study Area has limited municipal servicing, and existing properties are serviced through private systems.
- In addition, consistent with the Cycling Master Plan, there is a need to address the gap in the recreational pathway system between the Meadowlily Bridge and the Citywide Sports Park on Commissioners Road East within the Right of Ways (ROWs) that meets all City design standards for the Thames Valley Parkway, multi-use pathway.

Study Area





Figure 1: Meadowlily Road Area (City of London)



- The City of London has initiated a Class Environmental Assessment Study for a new municipal sanitary pumping station to facilitate the servicing of future developments within the Study Area and determine the most appropriate means of establishing primary recreational pathway linkages between Meadowlily Bridge and the Citywide Sports Park within the Meadowlily Road South and Commissioners Road East, ROWs.
- A review of design alternatives has been conducted to determine a preferred alternative for servicing and providing a recreational pathway system within the Study Area, while maintaining the objectives of:
 - heritage resources;
 - areas;
 - Optimizing costs;

 - Schedule "B" process.

Problem Statement

Protection of the environment, including cultural

Minimal disruption to residents and surrounding

Engaging a broad range of stakeholders; and Documenting the study process in compliance with the Municipal Class Environmental Assessment

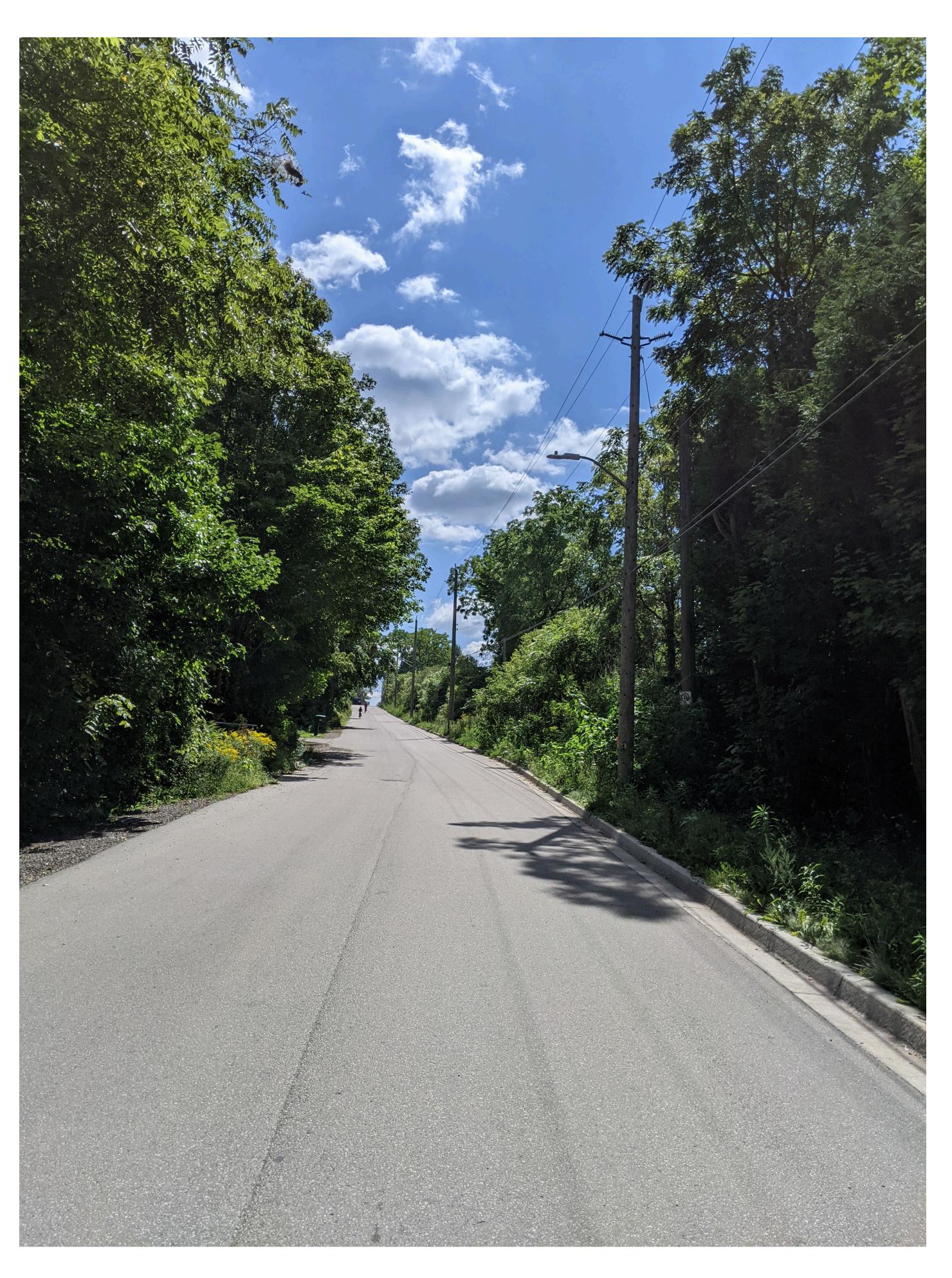






Figure 2: Meadowlily Road South





Municipal Class Schedule B EA **Planning and Design Process**



O Meadowlily Road EA

- Develop Preferred Alternatives Sanitary Servicing and Multi-Use Pathway







Sanitary Servicing Requirements

- Sanitary Pump Station (SPS) rated to approximately 30 L/s based on proposed development applications.
- SPS requires a wet-well, and potentially a building for a stand-by generator and electrical equipment. The SPS will be made to fit the surrounding environment.
- Alternatives will minimize impact to the existing Meadowlily Woods Environmentally Significant Areas (ESA) boundary.

Meadowlily Road EA



Figure 3: Sanitary Pump Station Wet Well and Building (Example)





Preliminary Evaluation Criteria for Sanitary Alternatives

Criteria

Natural **Environment** •

Social Environment

Heritage/ Cultural Impacts City Operations

Technical

Servicing Potential Costs

- Effects on vegetation, water quality, wildlife and aquatic habitat, wetlands, terrestrial resources, woodlands, species at risk.
- Induced impacts of each alternative.
- Impact of spills or overflows for each alternative. Impact on local community.
- Anticipated impacts during construction.
- Contribution/detraction from the community aesthetic.
- Potential impacts on cultural heritage resources, including built heritage resources, cultural heritage landscapes, and archaeological resources.
- Operation of the sanitary pump station (i.e., safety, maintenance, emergency response, etc.).
- Construction feasibility.
- Sanitary system operation (capacity constraints, operation).
- Serviceability of developable areas within the study area.

O Meadowlily Road EA

Description

Anticipated capital, operating, and maintenance costs.

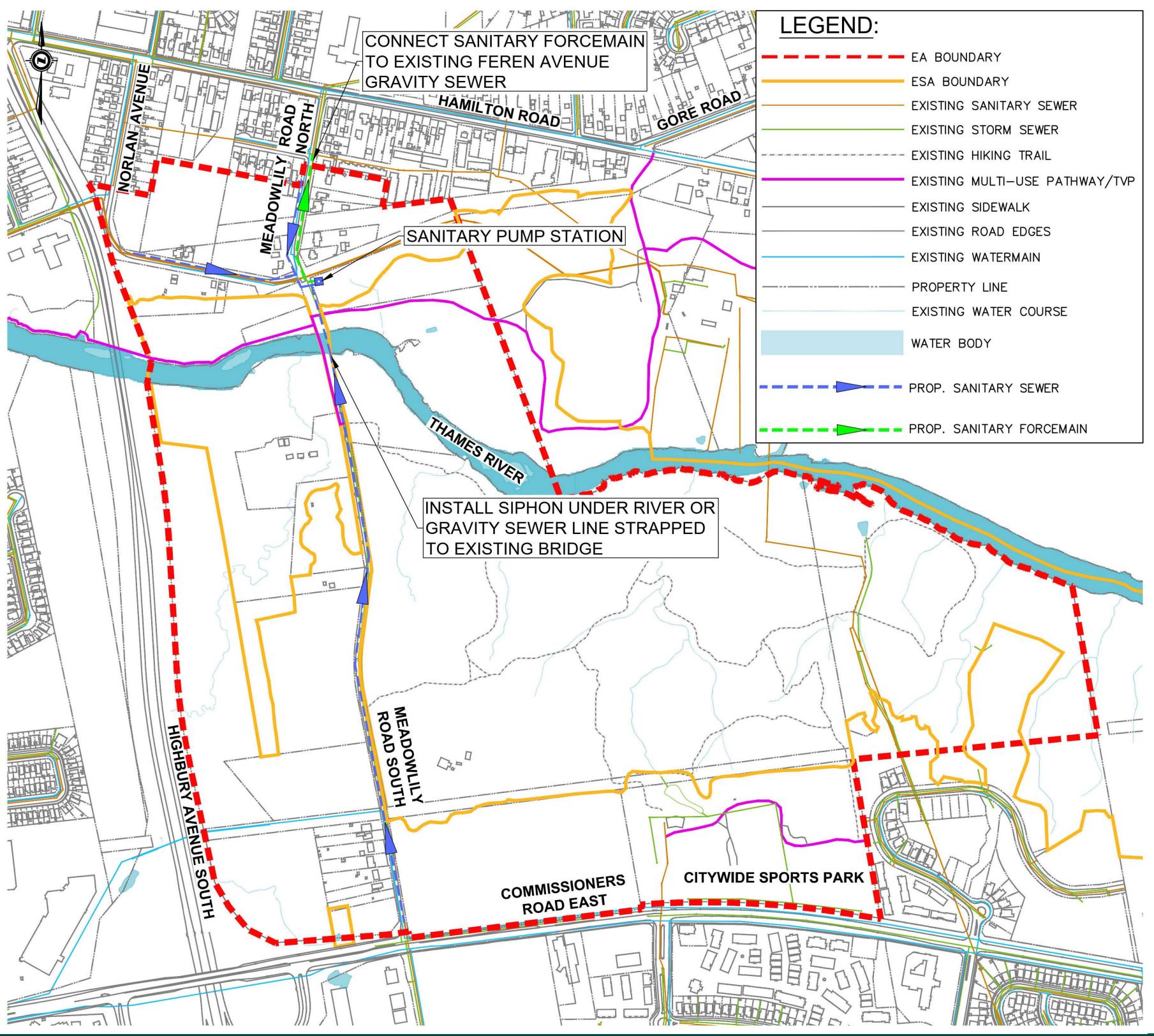








	Description: SPS on Meadowlily Road North, with Siphon Under River or Gravity Sewer Strapped to Ex	isting Bridge to Convey Was
Evaluation Criteria	Advantages	
Natural Environment	 Sanitary forcemain and gravity sewer avoids Meadowlily ESA. 	Road reconstruct water servicing a
Social Environment	 Future developments can be serviced. Opportunity for existing properties currently being serviced privately, to be serviced by the City. 	Road reconstructAesthetic impact
Heritage/Cultural Impacts	• Location of pump station is not within archaeological sensitivity areas of concern (i.e., Meadowlily Woods ESA).	 Sanitary pump st River crossing th and mitigations f Road work near d
City Operations	• Only requires the operation of one sanitary pumping station to service Meadowlily Road North and South.	Additional maint
Technical	 Requires a single sanitary pump station Lower head requirements needed by the pumps. 	 If a siphon is sele measures.
Servicing Potential	Services both Meadowlily Road North and South.	Use capacity of F
Costs	Avoids requirement of a second sanitary pump station.	Cost of directionMay require stru



Sanitary Servicing Alternative 1



Figure 4: Gravity Sewer Strapped to Structure (Example) Source: structurae.net

astewater from Meadowlily Road South to North

Disadvantages

uction on Meadowlily Road North and South required to install new sanitary servicing, water servicing, storm g and other utilities.

uction is required to install new sanitary servicing, water servicing, storm water servicing and other utilities. act of a sanitary pump station along Meadowlily Road North.

station in close proximity to the Mills Ruins and may require some vibration monitoring during construction. through strapping a gravity sewer to the existing bridge will require an individual heritage impact assessment for the bridge.

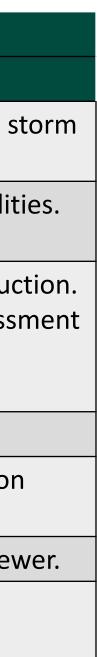
r designated and archaeological sensitive areas along right of way.

ntenance of conveyance infrastructure under river or strapped to bridge.

elected, directional drilling under the river will require additional on-site investigations, and construction

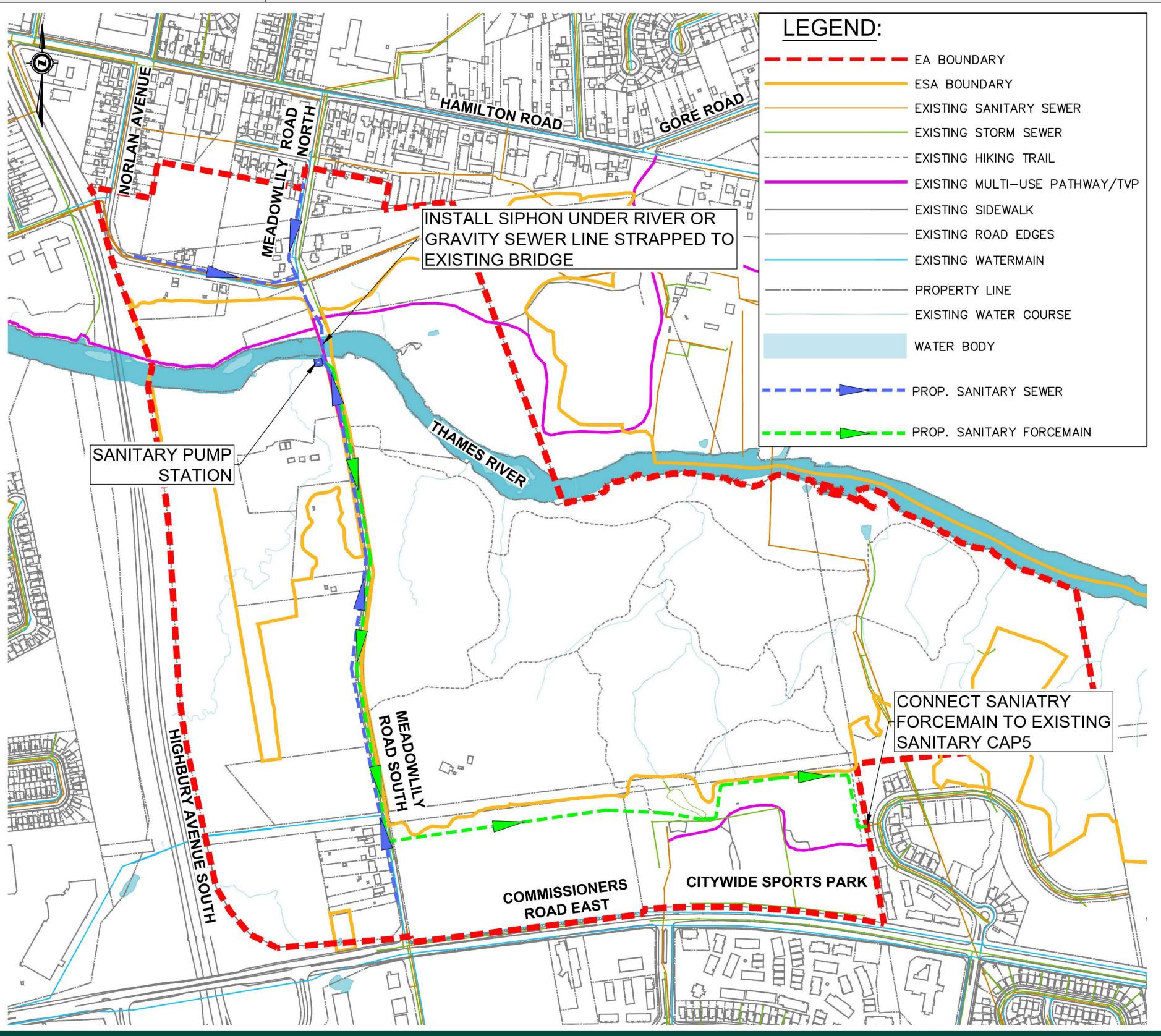
^F Feren Avenue gravity sewer, which may impact development upstream and downstream of gravity sewer. onal drilling under river, or strapping gravity sewer to existing bridge. ructural upgrades to existing bridge to support additional load.







Description: SPS on Meadowlily Road South, with Siphon Under River or Gravity Sewer Strapped to Existing Bridge to Convey Was			
Evaluation Criteria	Advantages		
Natural Environment	Sanitary forcemain and gravity sewer avoids Meadowlily ESA.	Road reconstruct	
Social Environment	 Future developments can be serviced. Opportunity for existing properties currently being serviced privately, to be serviced by the City. 	 Road reconstruct Aesthetic impact 	
Heritage/Cultural Impacts	• Location of pump station is not within archaeological sensitivity areas of concern (i.e., Meadowlily Woods ESA).	 River crossing th and mitigations for the second sec	
City Operations	Only requires the operation of one sanitary pumping station to service Meadowlily Road North and South.	Additional maint	
Technical	Requires a single sanitary pump station.	If a siphon is sele measures.	
Servicing Potential	Services both Meadowlily Road North and South.	May impact futu	
Costs	Avoids requirement of a second sanitary pump station.	Cost of directionMay require stru	



Sanitary Servicing Alternative 2



astewater from Meadowlily Road North to South

Disadvantages

uction is required to install new sanitary servicing, water servicing, storm water servicing and other utilities.

uction is required to install new sanitary servicing, water servicing, storm water servicing and other utilities. act of a sanitary pump station along Meadowlily Road South.

through strapping a gravity sewer to the existing bridge will require an individual heritage impact assessment s for the bridge.

or designated and archaeological sensitive areas along right of way.

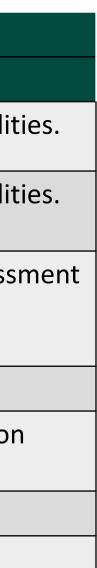
ntenance of conveyance infrastructure under river or strapped to bridge.

elected, directional drilling under the river will require additional on-site investigations, and construction

ture development along Commissioners Road East due to capacity of existing gravity sewer. onal drilling under river, or strapping gravity sewer to existing bridge. ructural upgrades to existing bridge to support additional load.

Figure 5: Meadowlily Bridge Source: Meadowlily Woods Environmentally Sensitive Area Facebook Group, August 13, 2022

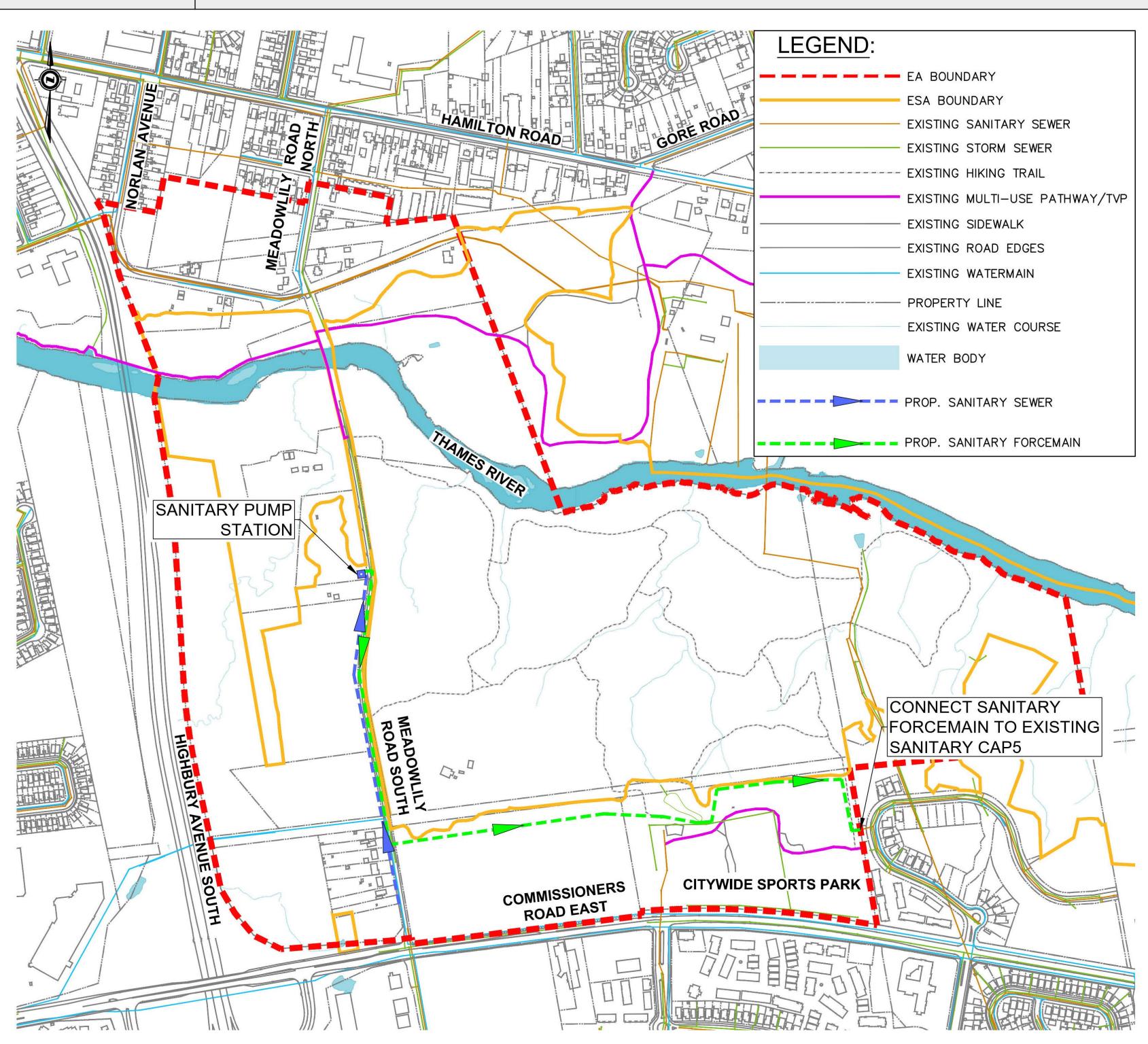








Evaluation Criteria	
Natural Environment	 Minimizes road reconstruction in Meadowlil Avoids Meadowlily Woods ESA.
Social Environment	Minimizes road reconstruction in Meadowlil
Heritage/Cultural Impacts	 Does not require a river crossing (either thromheritage considerations. Location of pump station and sanitary forcer Woods ESA).
City Operations	 No maintenance costs associated with sanita Only requires the operation of one sanitary
Technical	• Does not require additional river crossings.
Servicing Potential	Allows for servicing of planned development
Costs	Avoids upgrades to existing bridge to compe



Sanitary Servicing Alternative 3A

Advantages		
y Road North.	•	Road reconstrue servicing and ot
y Road North.	•	Road reconstrue Aesthetic impac
ough bridge or under river), which are existing conditions that introduce cultural main are not within archaeological sensitivity areas of concern (i.e., Meadowlily	•	Close proximity landscape cond Road work near
ary conveyance crossing under the river or strapped to bridge. pumping station.	•	Sanitary forcem
	•	Requires coordi Some capacity of development al
t along Meadowlily Road South.	•	Most of Meado May impact fut
ensate for additional loads.	•	Costs associate



Description: SPS on Meadowlily Road South only (Sanitary Forcemain Connection to CAP 5)

Disadvantages

uction on Meadowlily Road South required to install new sanitary servicing, water servicing, storm wate other utilities.

uction is required to install new sanitary servicing, water servicing, storm water servicing and other util ct of a sanitary pump station along Meadowlily Road South.

to recognized Cultural Heritage areas. Proposed infrastructure will need to be compatible with existing ditions of the area.

r designated and archaeological sensitive areas along right of way.

nain requires access through Citywide Sports Park.

lination of connection to sanitary sewer through Citywide sports park.

constraints within the Meadowlark Ridge Subdivision sanitary conveyance system, which could limit llocation (i.e., population density) in some properties.

owlily Road South can be serviced.

ture development along Commissioners Road East due to capacity of existing gravity sewer. ed with property acquisition requirements.

• Costs associated for potential future upgrades required for the Meadowlark Ridge sanitary conveyance system.



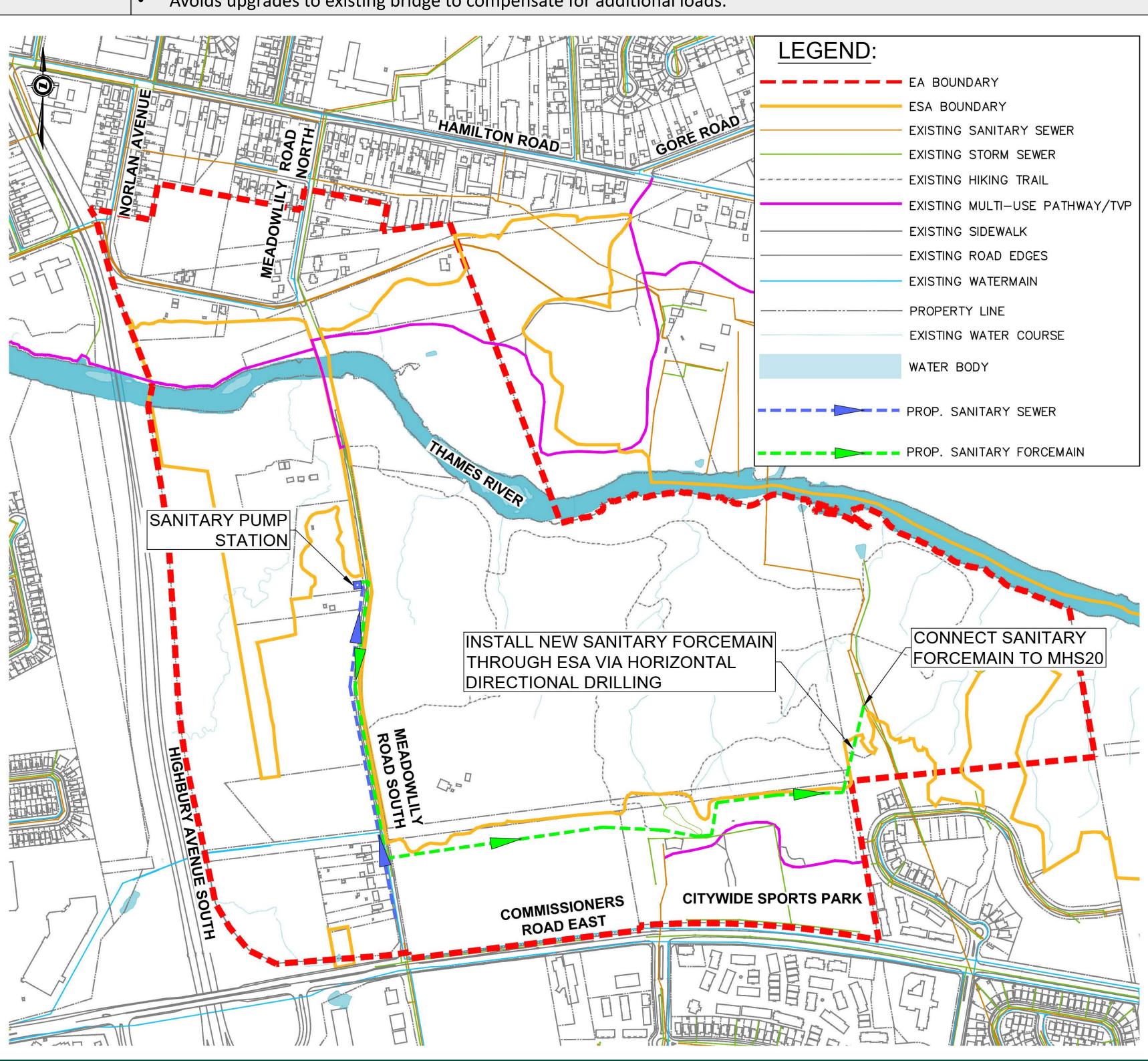
Figure 6: Meadowlily Road South



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lities.
ng



Evaluation Criteria	
Natural Environment	Minimizes road reconstruction in Meadowlil
Social Environment	Minimizes road reconstruction in Meadowlil
Heritage/Cultural Impacts	 Does not require a river crossing (either thromheritage considerations. Location of pump station is not within archae
City Operations	 No maintenance costs associated with sanita Only requires the operation of one sanitary particulary
Technical	 Does not require additional river crossings. Sufficient capacity in sanitary sewer downstr
Servicing Potential	Allows for servicing of all planned developm
Costs	Avoids upgrades to existing bridge to compe



Sanitary Servicing Alternative 3B

Advantages	
ly Road North.	 Road reconstru servicing and of Sanitary forcer
ly Road North.	Road reconstruAesthetic imparticological
ough bridge or under river), which are existing conditions that introduce cultural aeological sensitivity areas of concern (i.e., Meadowlily Woods ESA).	 Close proximity landscape cond Sanitary forcerr which may requ
ary conveyance crossing under the river or strapped to bridge. pumping station.	Sanitary forcer
ream of Meadowlark Ridge.	Requires coord
nent along Meadowlily Road South.	Only MeadowliMay impact fut
ansate for additional loads	Costs associate

Description: SPS on Meadowlily Road South only (Sanitary Forcemain Connection to MHS20)

Disadvantages

uction on Meadowlily Road South required to install new sanitary servicing, water servicing, storm water other utilities.

main installed via horizontal directional drilling through ESA north of Meadowlark Ridge.

uction is required to install new sanitary servicing, water servicing, storm water servicing and other utilities. act of a sanitary pump station along Meadowlily Road South.

y to recognized Cultural Heritage areas. Proposed infrastructure will need to be compatible with existing ditions of the area.

main installed and connected behind Meadowlark Ridge via horizontal directional drilling through part of ESA, juire additional archaeological investigations.

main requires access partially through Citywide Sports Park.

dination of connection to sanitary sewer behind Meadowlark Ridge.

ly Road South can be serviced.

ture development along Commissioners Road East due to capacity of existing gravity sewer. Costs associated with property acquisition requirements.

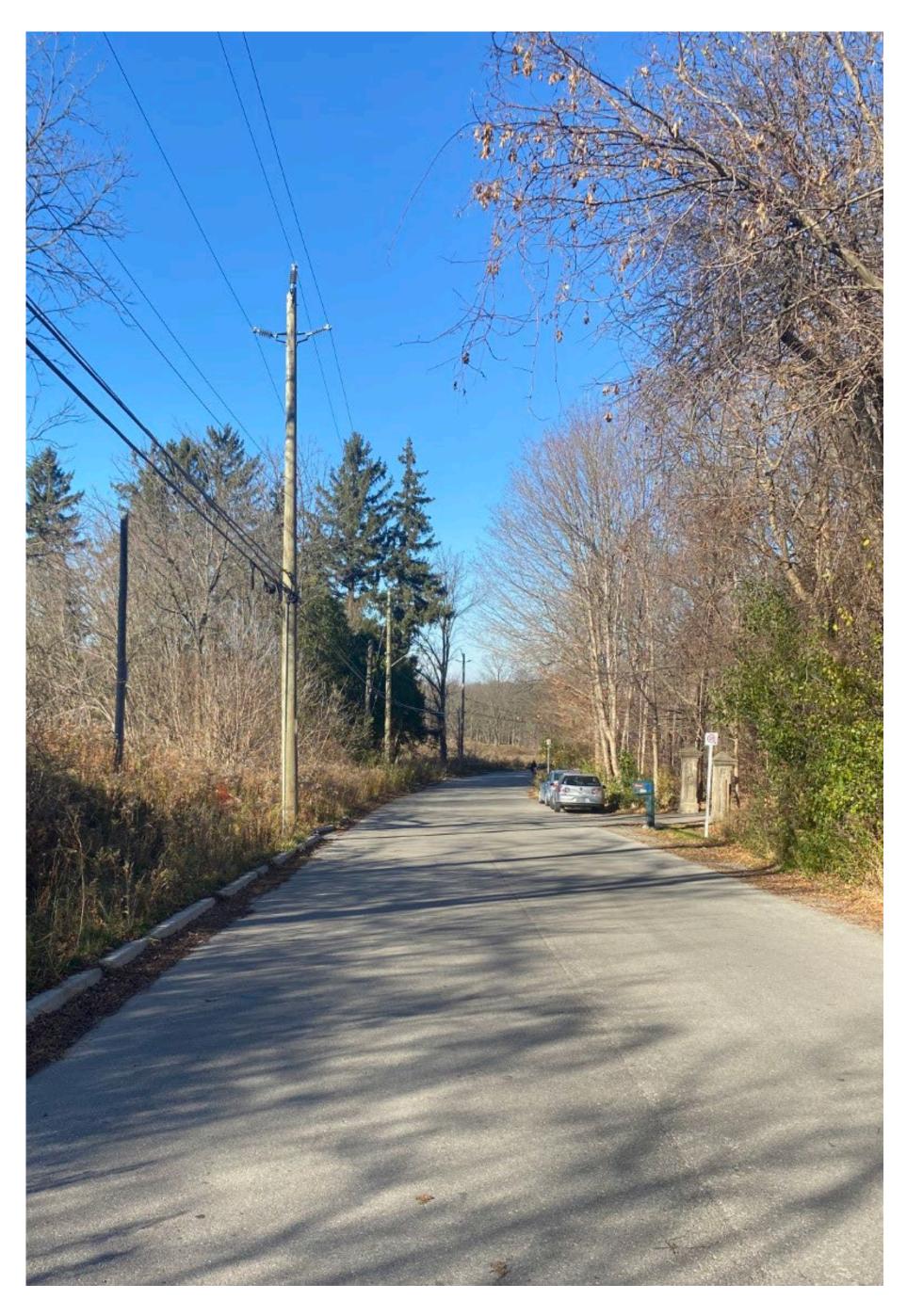
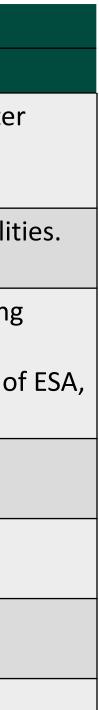


Figure 7: Meadowlily Road South

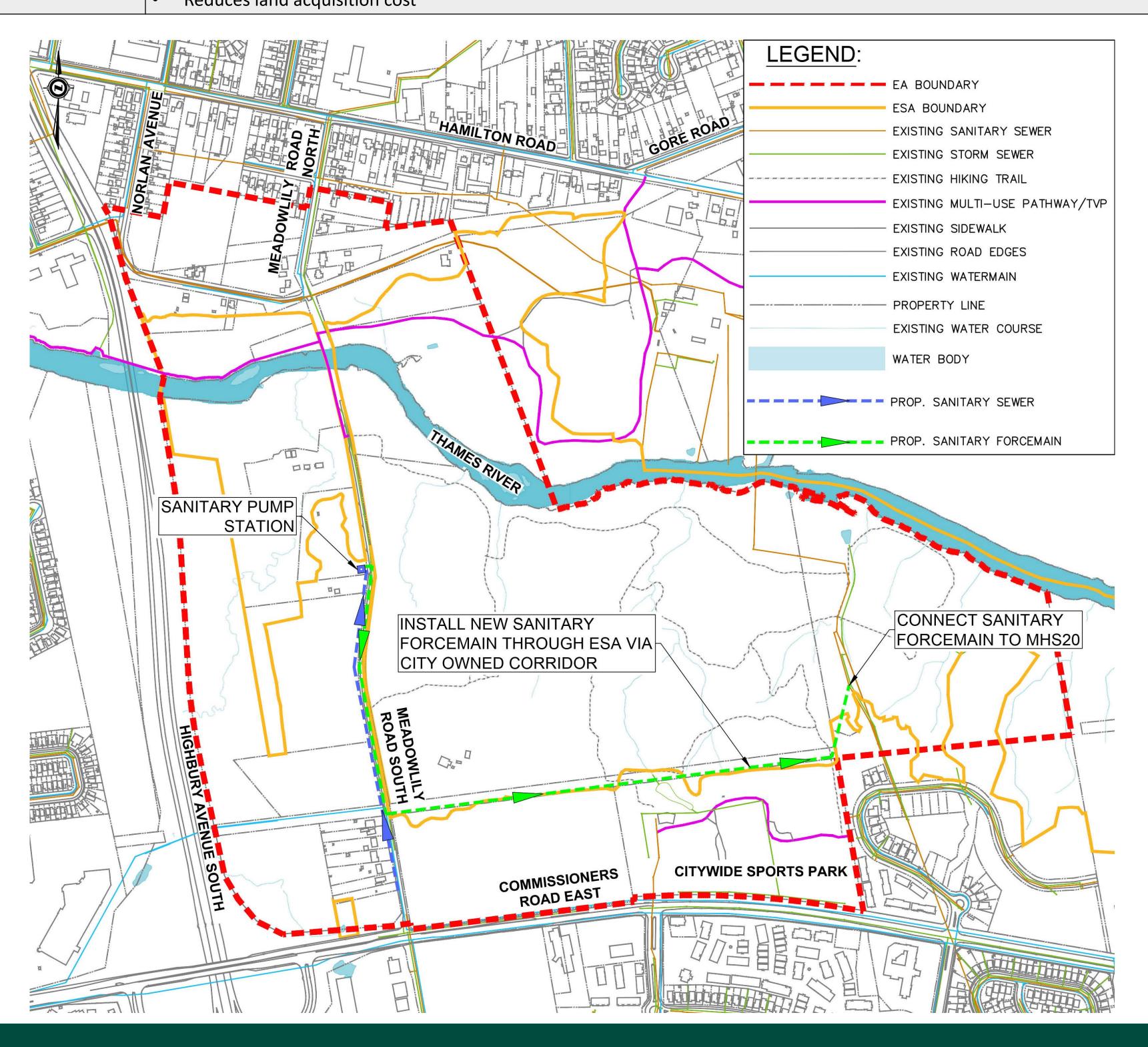








Evaluation Criteria	
Natural Environment	Minimizes road reconstruction in Meadowlik
Social Environment	 Minimizes road reconstruction in Meadowlin Reduces property impact by utilizing City ow
Heritage/Cultural Impacts	 Does not require a river crossing (either thro heritage considerations. Location of pump station is not within archae
City Operations	 No maintenance costs associated with sanitation Only requires the operation of one sanitary proceeding to the sanitary proceeding to the sanitary process. Sanitary forcemain east-west connection is warded to the sanitary process.
Technical	 Does not require additional river crossings. Sufficient capacity in sanitary sewer downstr
Servicing Potential	Allows for servicing of all planned development
Costs	 Avoids upgrades to existing bridge to compe Avoids property acquisition for sanitary force Reduces land acquisition cost



Sanitary Servicing Alternative 3C

Description: SPS on Meadowlily Road South only (Sanitary Forcemain Connection to MHS20 via City-Owned Corridor)

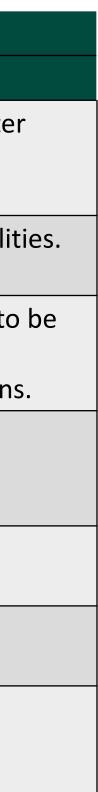
Advantages ily Road North. Road reconstruction on Meadowlily Road South required to install new sanitary servicing, water servicing, storm water servicing and other utilities. Sanitary forcemain east-west connection to Meadowlark Ridge is installed through ESA via City-Owned corridor. Road reconstruction is required to install new sanitary servicing, water servicing, storm water servicing and other utilities. ily Road North. Aesthetic impact of a sanitary pump station along Meadowlily Road South. wned corridor rough bridge or under river), which are existing conditions that introduce cultural Sanitary forcemain east-west connection near recognized Cultural Heritage areas. Proposed infrastructure will need to be compatible with existing landscape conditions of the area. Sanitary forcemain east-west connection installed through ESA, which requires additional archaeological investigations. aeological sensitivity areas of concern (i.e., Meadowlily Woods ESA). tary conveyance crossing under the river or strapped to bridge. pumping station. within City-Owned corridor. Requires coordination of connection to sanitary sewer behind Meadowlark Ridge. stream of Meadowlark Ridge. Only Meadowlily Road South can be serviced. ment along Meadowlily Road South. May impact future development along Commissioners Road East due to capacity of existing gravity sewer. ensate for additional loads. Costs associated with environmental protection measures, cultural and archaeological requirements. cemain east-west connection.

Disadvantages



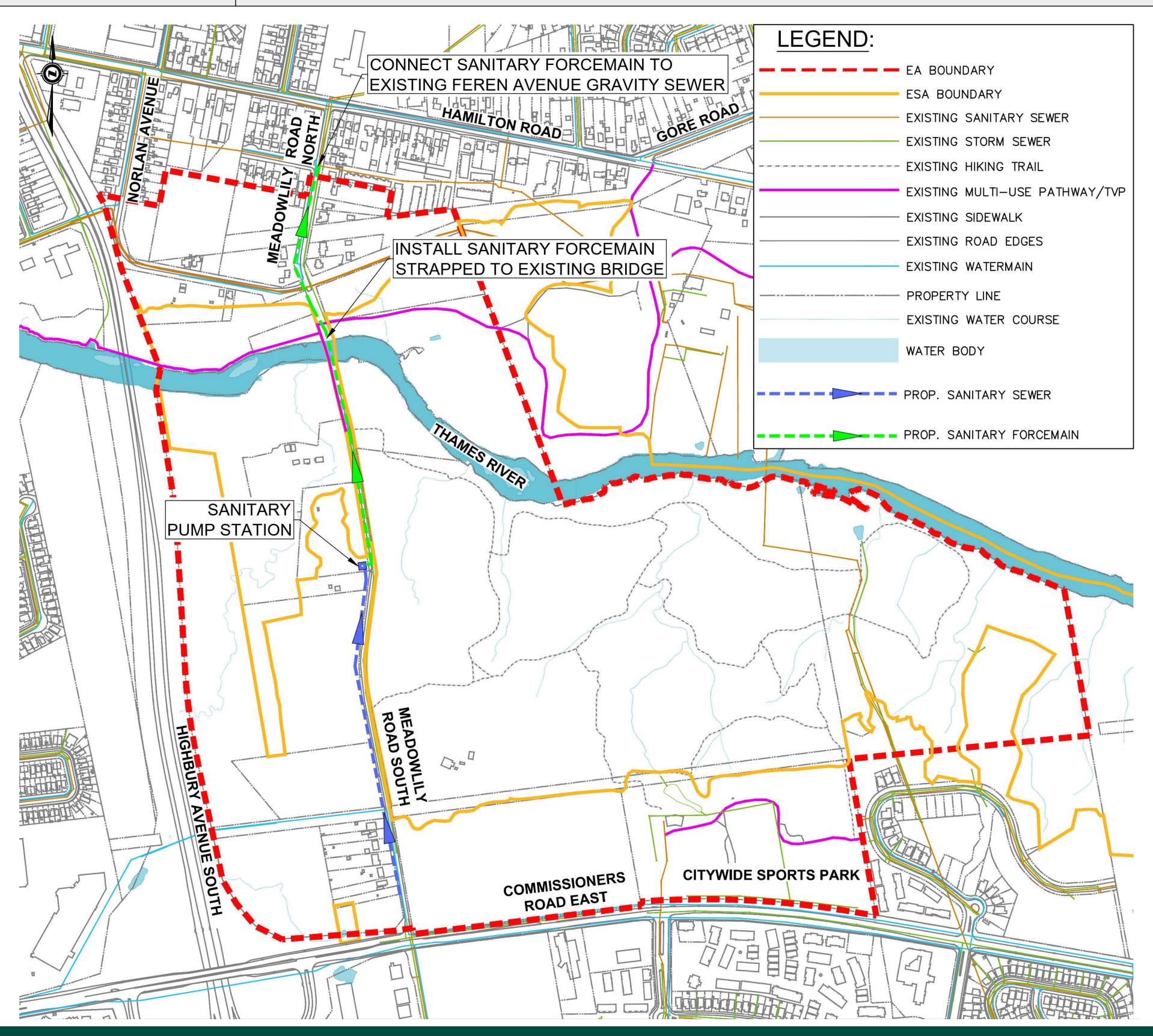
Figure 8: Meadowlily Road South







	Description: SPS on Meadowlily Road South, with Sanitary Forcemain Strapped to Existin	g Bridge to Convey Wastewater from
Evaluation Criteria	Advantages	
Natural Environment	Avoids Meadowlily Woods ESA.	Road reconstructio
Social Environment	 Future developments can be serviced. Opportunity for existing properties currently being serviced privately, to be serviced by the City. 	 Road reconstruction Aesthetic impact on
Heritage/Cultural Impacts	• Location of pump station is not within archaeological sensitivity areas of concern (i.e., Meadowlily Woods ESA).	 River crossing thro mitigations for the Close proximity to conditions of the a
City Operations	Only requires the operation of one sanitary pumping station.	Additional mainter
Technical	Requires smaller sanitary conveyance system on river crossing (i.e., sanitary forcemain).	Assess feasibility of
Servicing Potential	Allows for servicing of planned development along Meadowlily Road South.	Does not service N
Costs	Minimizes costs as no directional drilling under river is required.	 May require bridge Costs associated w



Sanitary Servicing Alternative 4



om Meadowlily Road South to North

Disadvantages

tion is required to install new sanitary servicing, water servicing, storm water servicing and other utilities.

tion is required to install new sanitary servicing, water servicing, storm water servicing and other utilities.

of a sanitary pump station along Meadowlily Road. rough strapping a sanitary forcemain to the existing bridge will require an individual heritage impact assessment and

ne bridge.

to recognized Cultural Heritage areas. Proposed infrastructure will need to be compatible with existing landscape e area.

enance of conveyance infrastructure strapped to bridge.

of sanitary forcemain strapped to existing bridge.

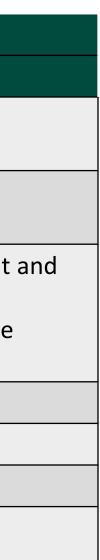
Meadowlily Road North.

dge structural reinforcement to allow for the sanitary forcemain install.

with property acquisition requirements.

Figure 9: Meadowlily Bridge

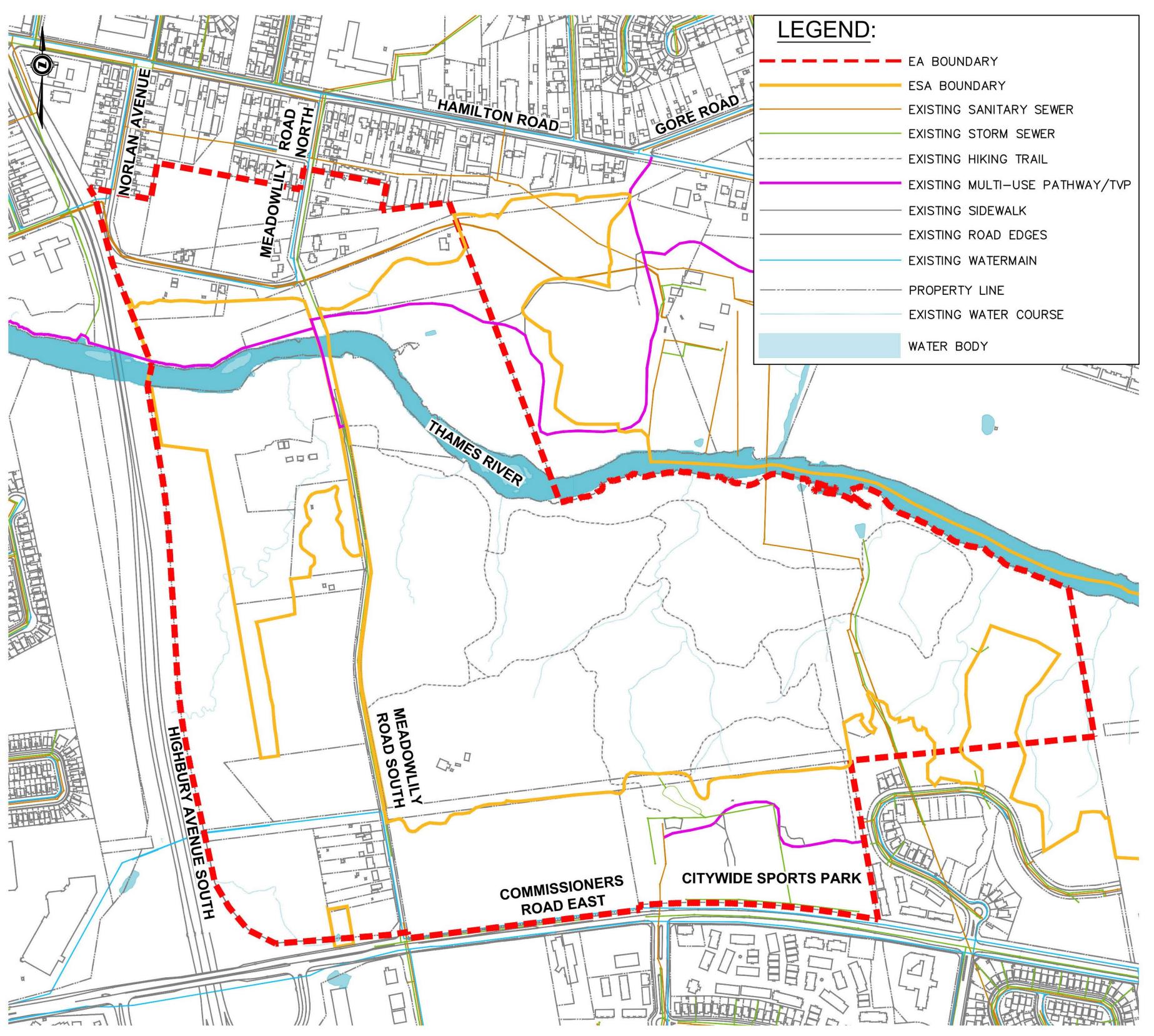








Evaluation Criteria	
Natural Environment	Least impact to terrestrial and aquation
Social Environment	 Low impact to construction and comm
Heritage/Cultural Impacts	Low impact to heritage features outside
City Operations	
Technical	
Servicing Potential	
Costs	 No initial capital cost impacts.



Sanitary Servicing Alternative 5

Description: Do Nothing		
Advantages		
c environment.		
nunity aesthetic.	•	Lost opportur
de of City's right of way		
	•	Additional ind private pump
	•	Non-consolid
	•	Existing and o
	•	Future capita servicing.
	F. T	LEGEND

Disadvantages

nity for communal sanitary service for new and existing developments.

dividual measures required for sanitary servicing for new developments (i.e., holding tanks, station).

dated solution for proposed and future developments.

developable lands not being serviced by communal sanitary system.

I, operational and maintenance costs risks if new developments/properties require sanitary

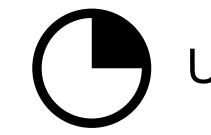






			Alterna	ative Solutions			
	1	2	3A	3B	3C	4	5
	SPS on Meadowlily Rd N - Siphon/Gravity Sewer Across River to Service Meadowlily Rd S	Rd S - Siphon/Gravity Sewer Across River to Service Meadowlily	Rd S - Only Services Meadowlily Rd S (Sanitary Forcemain	S - Only Services	Meadowlily Rd S (Sanitary Forcemain Connection to MHS20	SPS on Meadowlily Rd S – Sanitary Forcemain Across River - Only Services Meadowlily Rd S	Do Nothing
Vatural Environment							
Social Environment							
Heritage/Culture Impacts							
City Operations							
Technical							
Servicing Potential							
Costs							
Preferred	X 6	X 7	X 2		X 5	X4	X 3

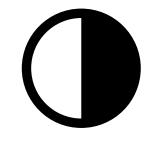
Nearly infeasible. Very high risk



Undesirable. High risk

O Meadowlily Road EA

Sanitary Servicing Evaluation Summary



Several mitigation measures. Several risks





Feasible. Some mitigation measures. Some risks.



Feasible and desirable. Lowest risk









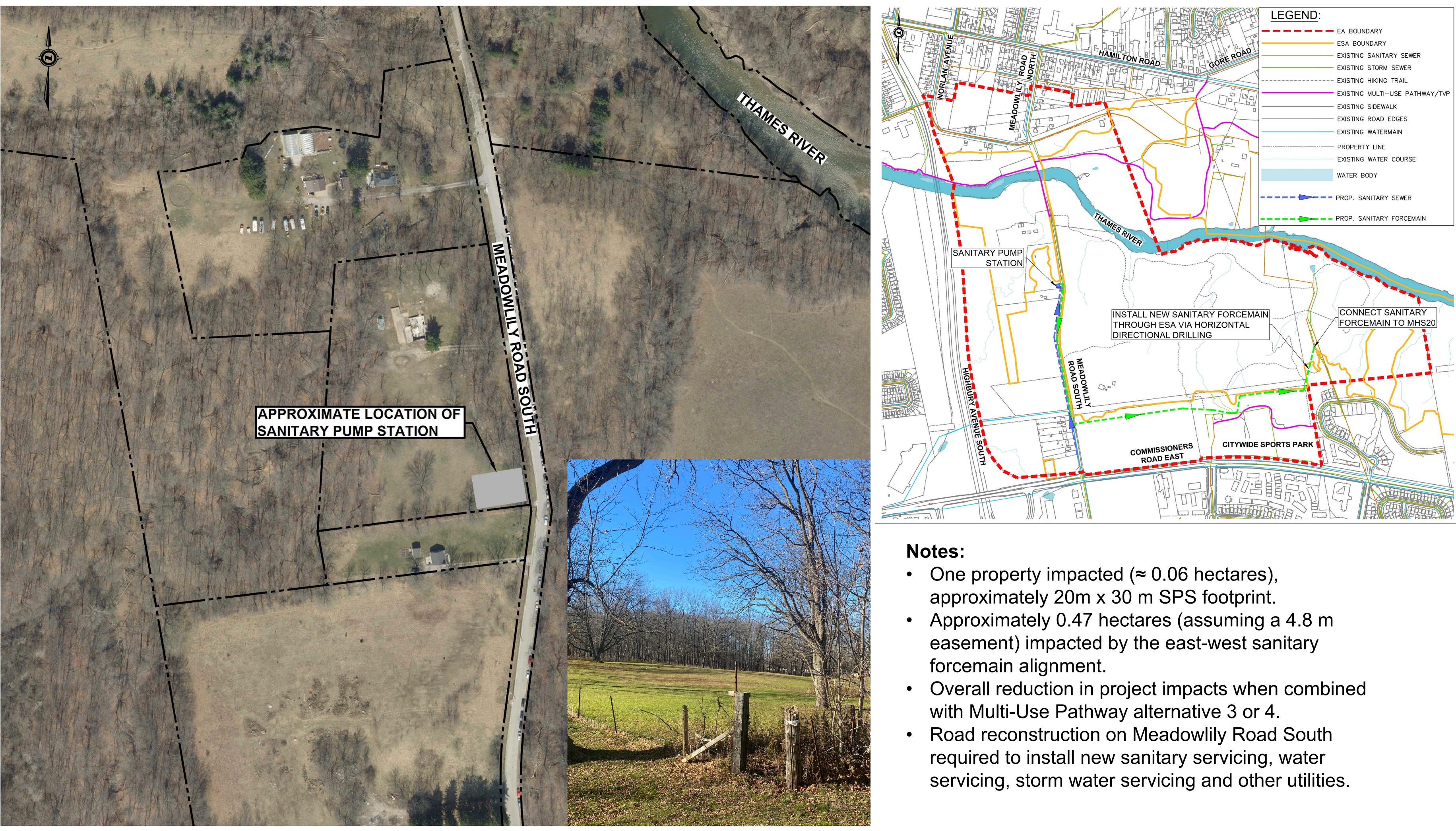


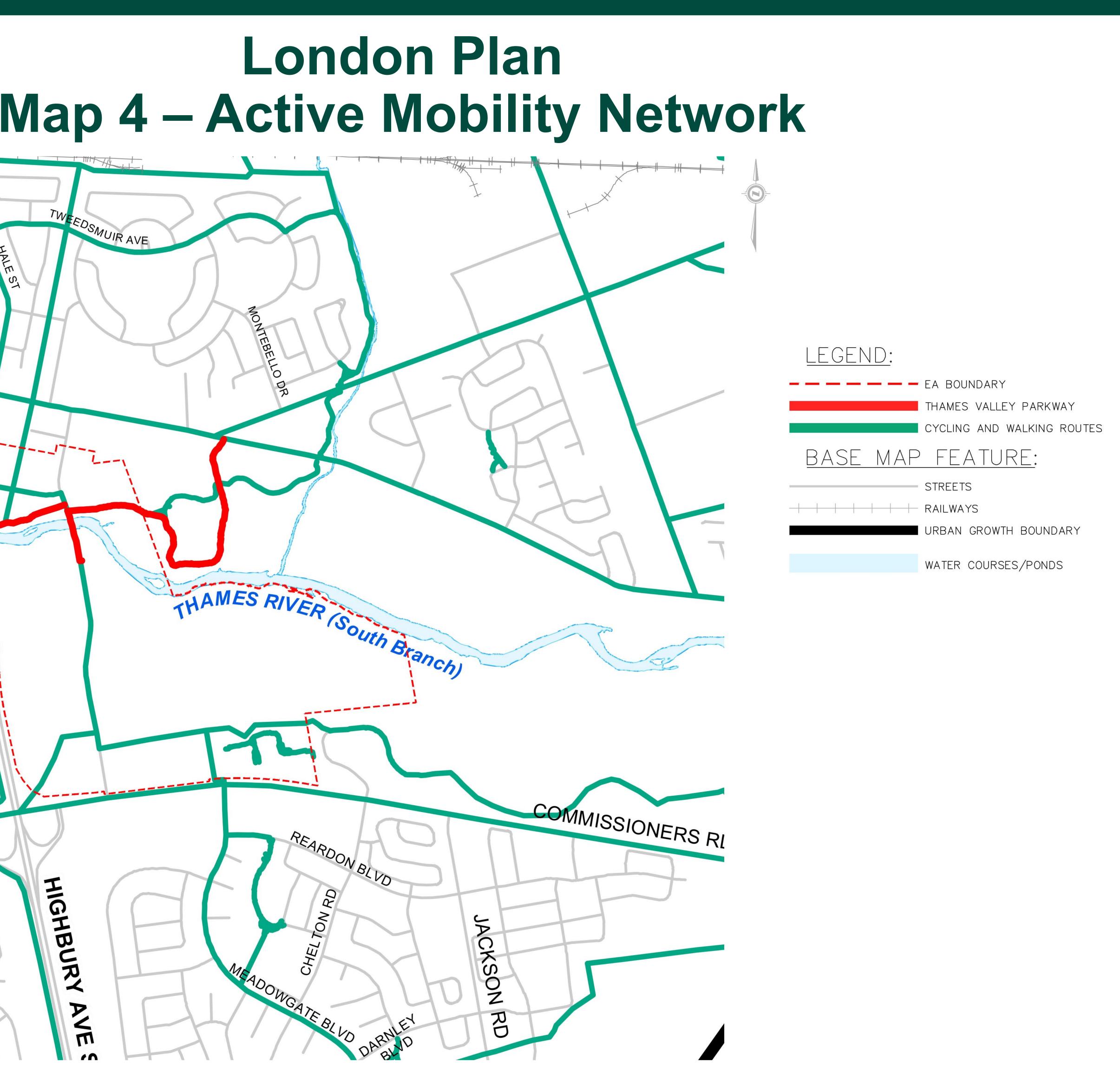
Figure 10: Approximate Sanitary Pump Station Location

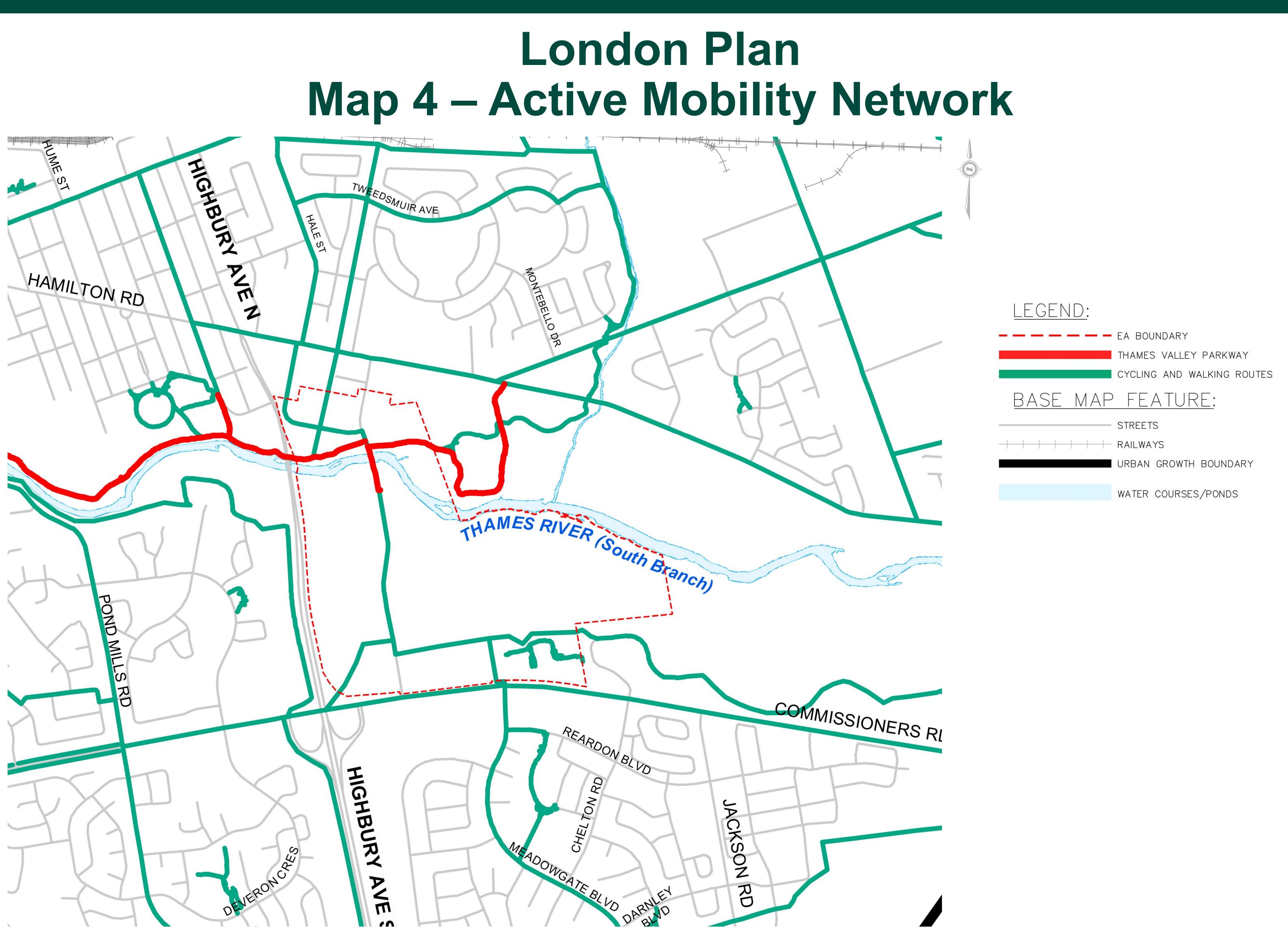
Meadowlily Road EA











Source: The London Plan Map 4 – Activity Mobility Network (2022)

Meadowlily Road EA







Preliminary Evaluation Criteria for Multi-Use Pathway Alternatives

 Effects c
terrestria
 Impact of Anticipat Active training
 Potentia
resource
 Potentia
 Technica
 Relocation
 Space a
 Deviatio
 Anticipat
 Lower G

O Meadowlily Road EA

Description

on vegetation, water quality, wildlife and aquatic habitat, wetlands, I resources, woodlands, species at risk.

on local community.

ted impacts during construction.

ansportation, accessibility and equity impacts. I impacts on cultural heritage resources, including built heritage es, cultural heritage landscapes, and archaeological resources.

I disruption to existing land uses.

al feasibility during construction. ion of existing infrastructure (i.e., hydro poles). ind property acquisition considerations. on from City Standards. ted capital and maintenance costs.

Greenhouse Gas Emissions.

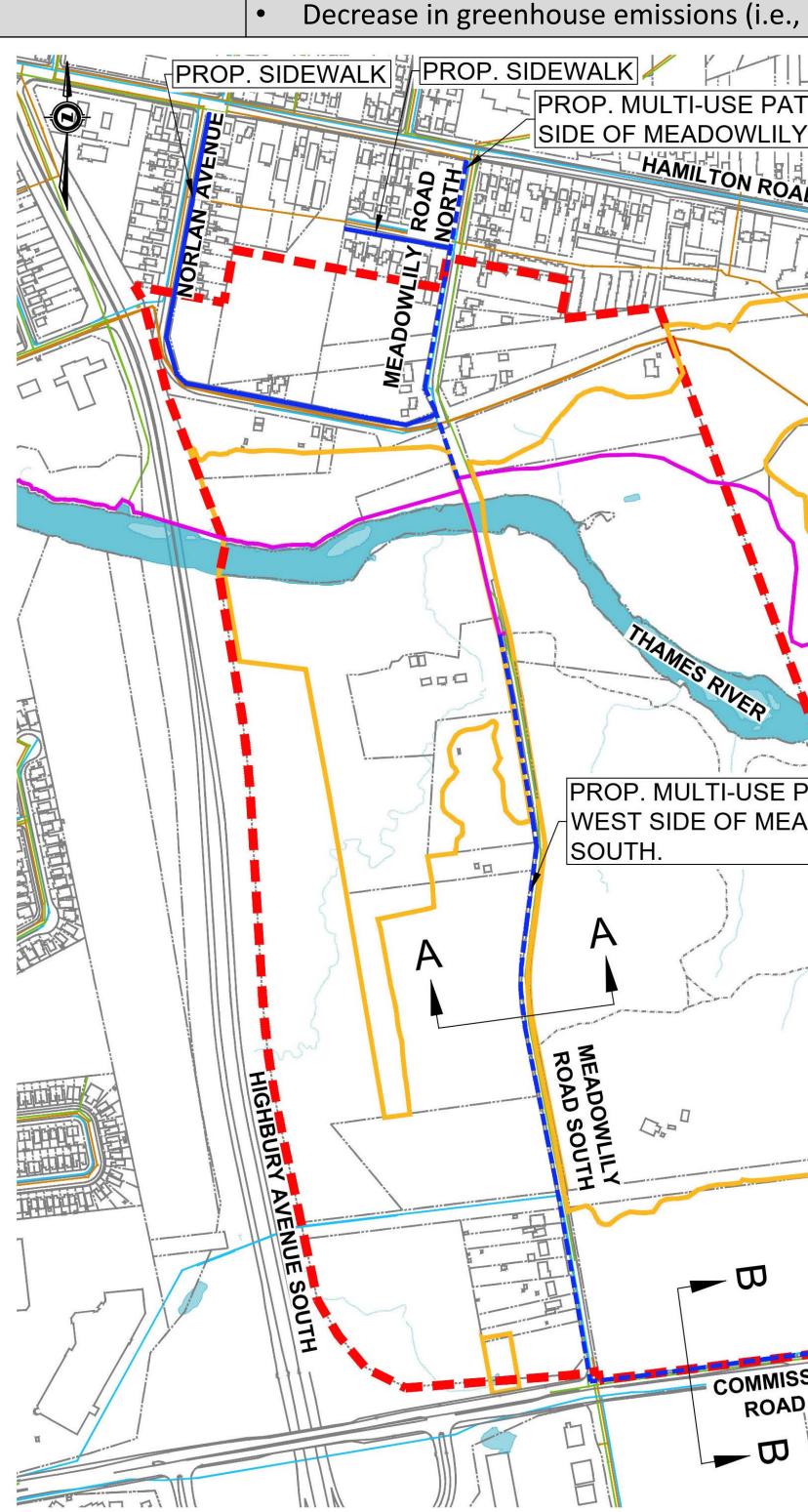








	Description: Multi-Use Pathway on West Side of Meadowli	ly Road North and So
Evaluation Criteria Natural Environment	 Advantages Avoids impact to Meadowlily ESA as pathway is generally within existing right of way. 	
Social Environment	 A community Multi-use Pathway that provides accessible and equitable connections. Provides direct access to Commissioners Road East, new developments and TVP. 	Connection req
	Meets AODA standards to provide safe transportation for vulnerable populations.	
Heritage/Cultural Impacts	 Separation from the archaeological sensitivity areas (i.e., Meadowlily Woods ESA) Easier to tie into existing conditions of the area, including existing infrastructure along Commissioners Road East and Meadowlily Road South. 	
Disruption to Existing Land Uses	 Minimizes disruption to Meadowlily ESA. Integrating the pathway now minimizes potential future disruption. 	Potential for miPotential relocation
Technical/ City Standards	 Follows typical City Standards. Facility for walking aligns with London Dian and Complete Streets 	
Costs	 Facility for walking aligns with London Plan and Complete Streets. Potential cost saving if pathway implemented concurrently with road reconstruction. 	 Costs for land a Cost to relocate
Climate Change	Decrease in greenhouse emissions (i.e., promote biking for commuters).	
	SIDE OF MEADOWLILLY ROAD NORTH HAMILTON ROAD CORE ROAD ROAD ROAD ROAD ROAD ROAD ROAD ROAD	
	PROP. MULTI-USE PATHWAY ON WEST SIDE OF MEADOWLILY ROAD SOUTH. A A BOD BOD H COMMISSIONERS ROAD EAST COMMISSIONERS	ML PA A MATCH EXISTING WATCH EXISTING



Multi-Use Pathway Alternative 1



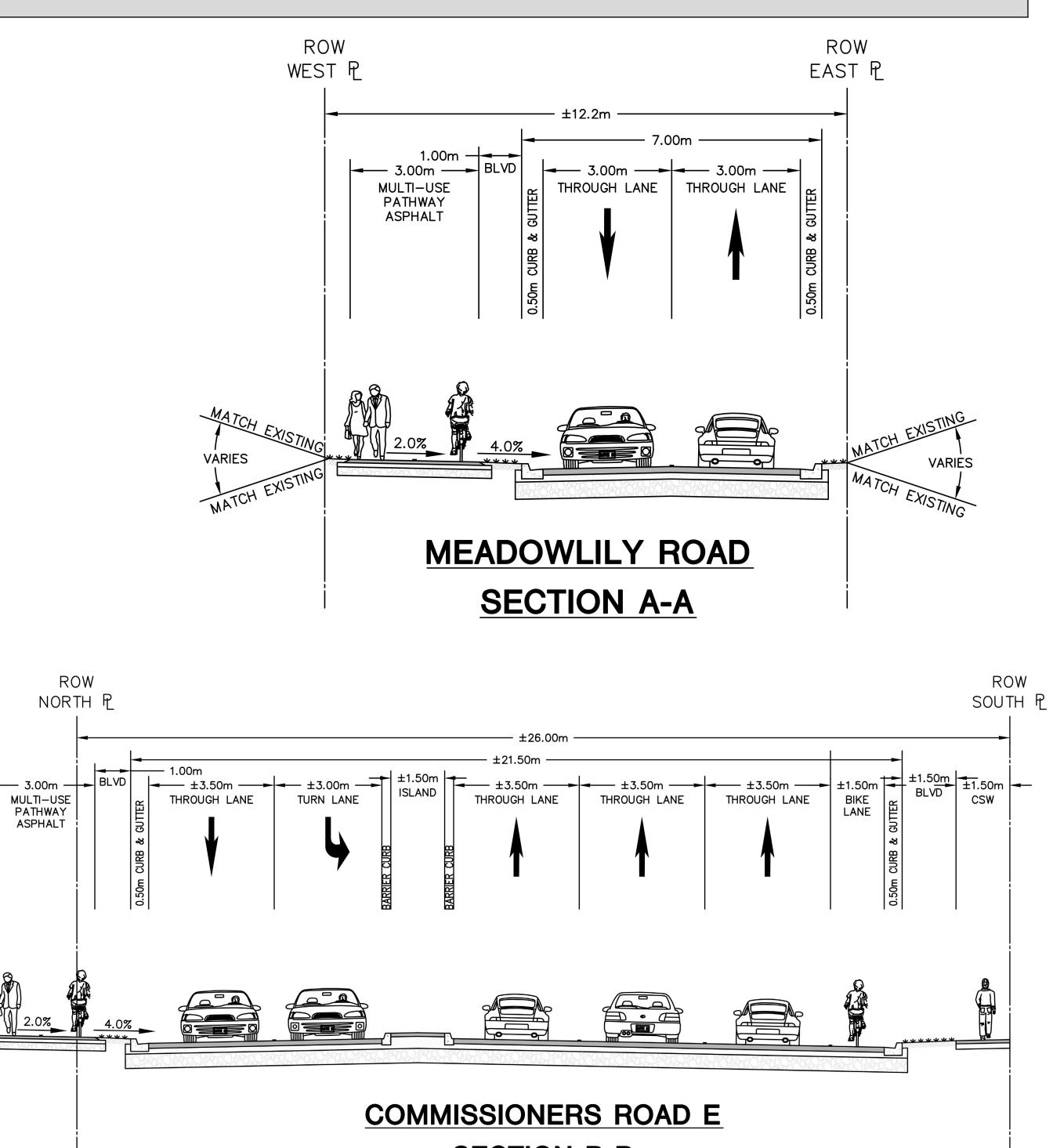
South

Disadvantages

equires crossing of Meadowlily Road South on Commissioner Road East intersection.

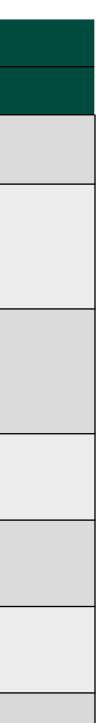
minor grading impacts to some private properties. ocation of some hydro-poles.

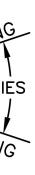
acquisition for pathway in Commissioners Road East right of way. ate streetlights on north side of Commissioners Road East.



SECTION B-B

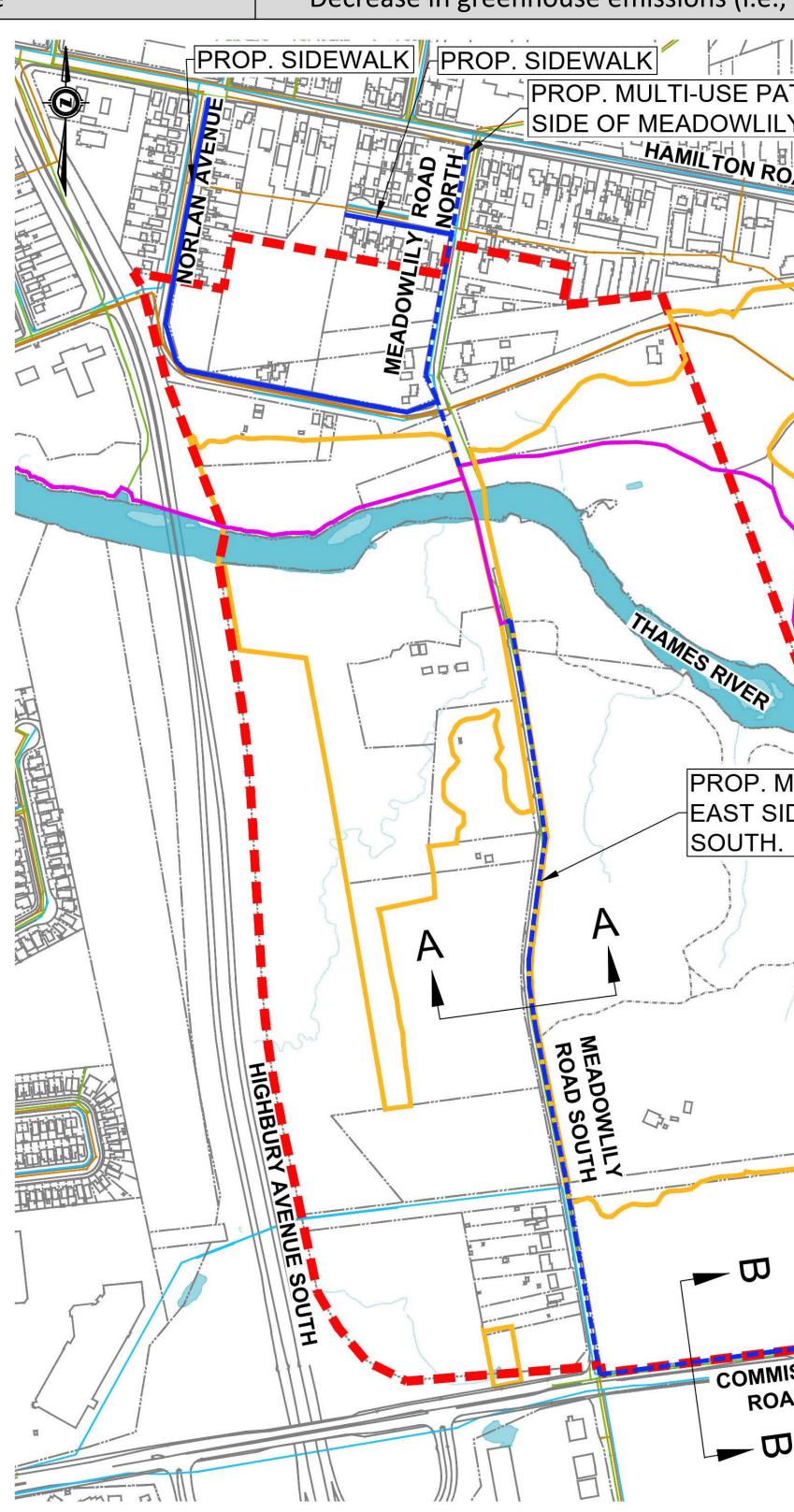








Fueluetien Cuiterie	Description: Multi-Use Pathway on West Side of Meadowlily Road North	h and East Side of Mead		
Evaluation Criteria Natural Environment	 Advantages Avoids impact to Meadowlily ESA as pathway is generally within existing right of way. 			
Social Environment	 A community Multi-use Pathway that provides accessible and equitable connections. Provides direct access to Commissioners Road East, new developments and TVP. Meets AODA standards to provide safe transportation for vulnerable populations. 			
Heritage/Cultural Impacts	Uses existing infrastructure along Commissioners Road East.			
Disruption to Existing Land Uses • Integrating the pathway now minimizes potential future disruption.				
 Technical/ City Standards Follows typical City Standards. Facility for walking aligns with London Plan and Complete Streets. 				
Costs	Potential cost saving if pathway implemented concurrently with road reconstruction.	Costs for land aCost to relocate		
Climate Change	Decrease in greenhouse emissions (i.e., promote biking for commuters).			
	PF SIDEWALKI PROP SIDEWALKI BIDE OF MEADOWLILY ROAD NORTH BIDE OF MEADOWLILY ROAD BIDE OF MEADOWLICY ROAD BIDE OF MEADOWLILY ROAD BIDE OF MEADOWLICY ROAD BIDE OF MEADOWLILY ROAD BIDE OF MEADOWLICY BIDE OF MEADOWLIC	RO NORT J.000 MULT-USE PATHWAY ASPHALT ARIES NATCH EXISTING ARIES NATCH EXISTING		



Multi-Use Pathway Alternative 2

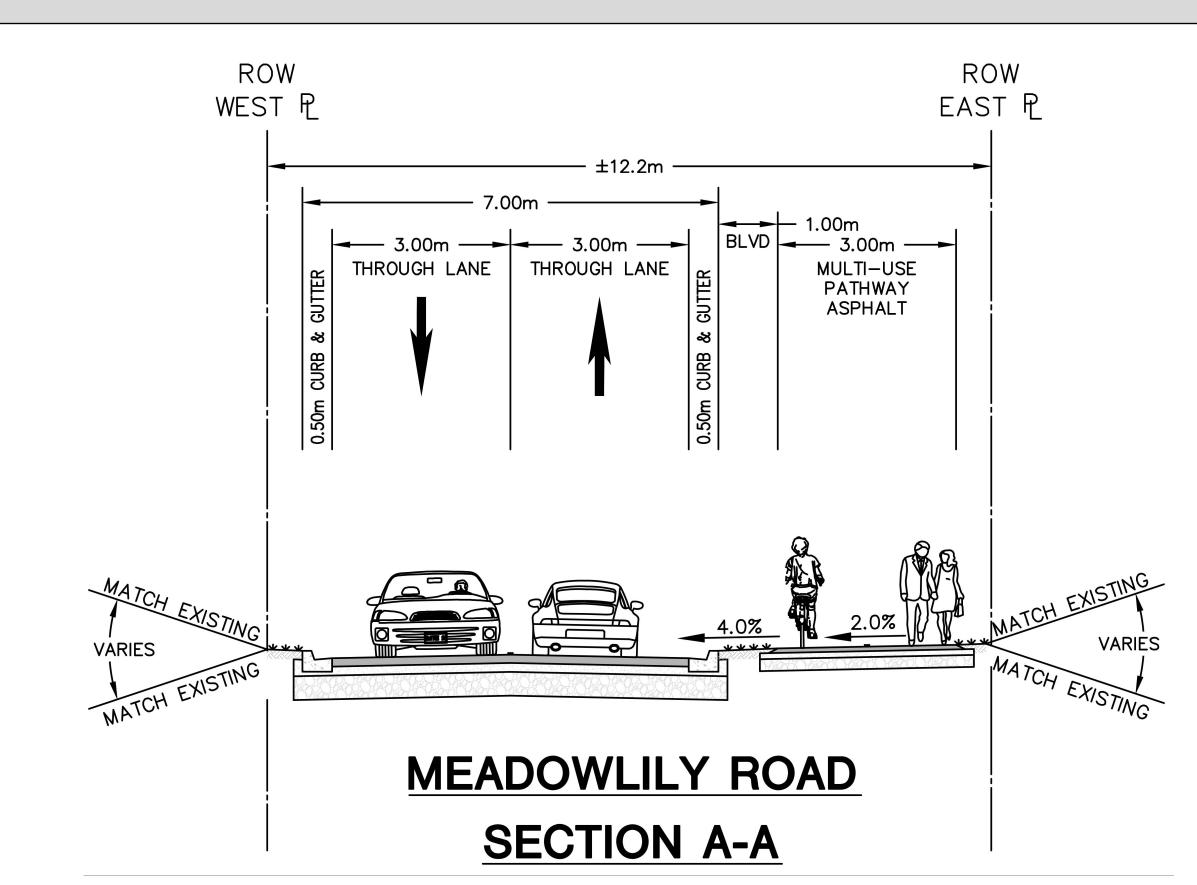


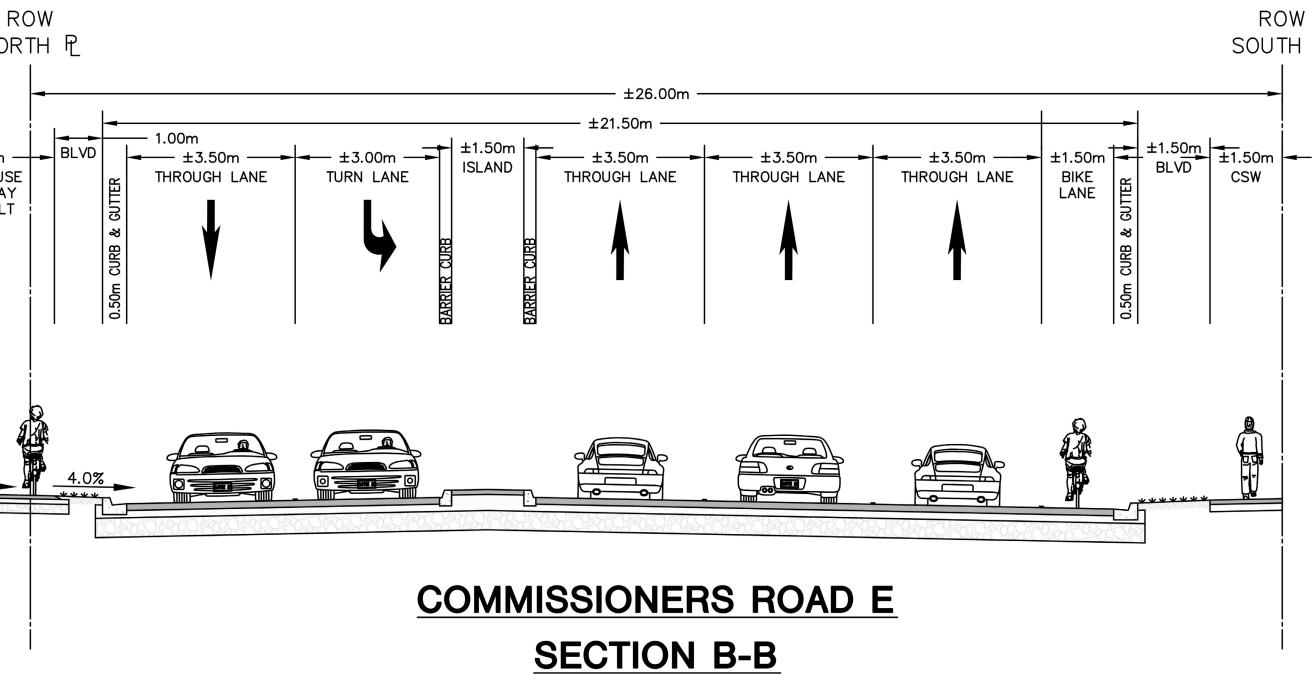
adowlily Road South

Disadvantages

minor grading impacts to some private properties. cation of some hydro-poles.

l acquisition for pathway in Commissioners Road East right of way. te streetlights on north side of Commissioners Road East.







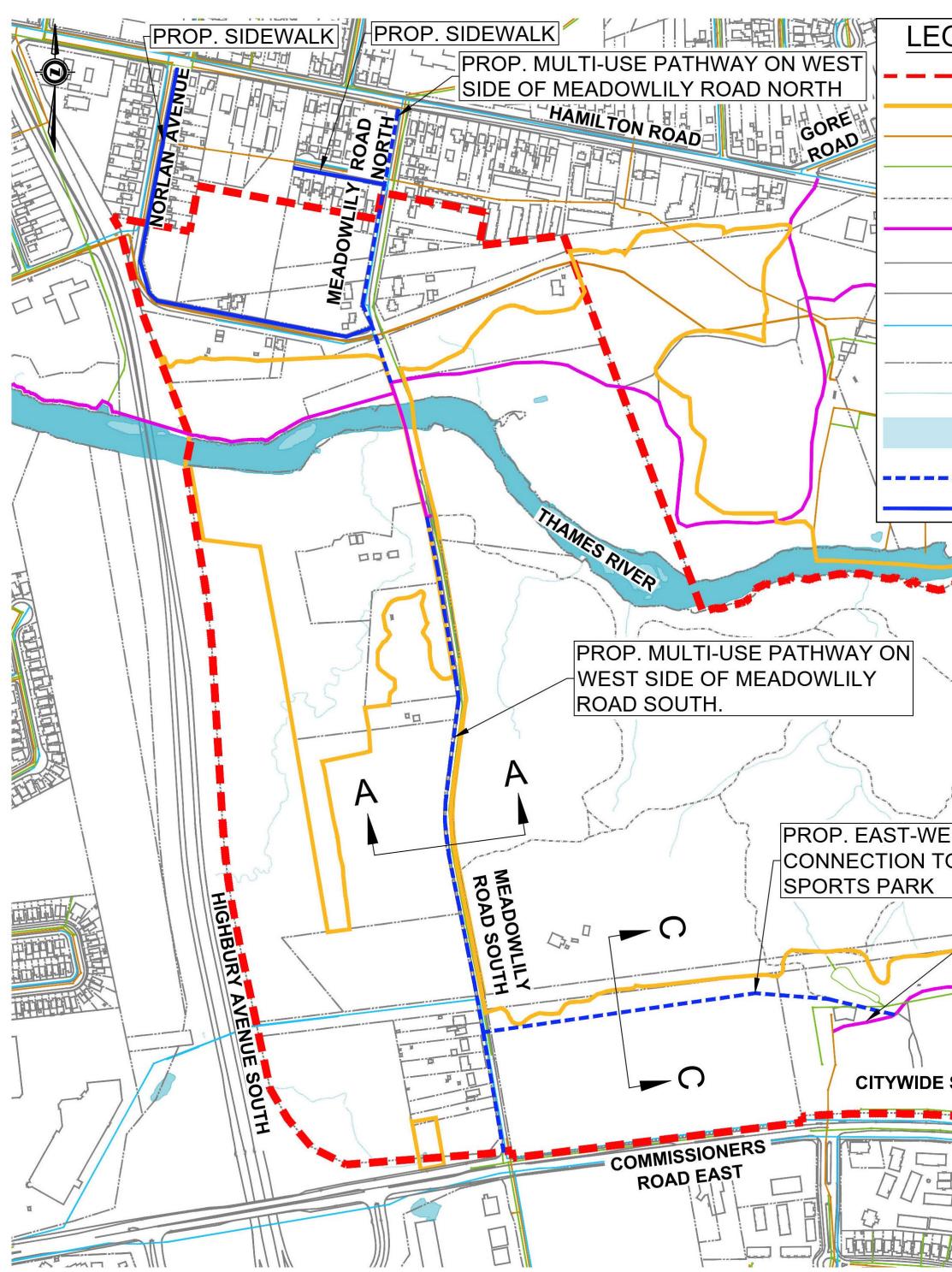


ROW SOUTH PL





Evaluation Criteria	Description: Multi-Use Pathway on West Side of Meadowlily Road North and South, with a Advantages			
Natural Environment	Avoids impact to Meadowlily ESA as pathway is generally within existing right of way.			
 Social Environment A community Multi-use Pathway that provides accessible and equitable connections. Provides direct access to the Citywide Sports Park, new developments and TVP. Meets AODA standards to provide safe transportation for vulnerable populations. 				
Heritage/Cultural Impacts	 Separation from the archaeological sensitivity areas (i.e., Meadowlily Woods ESA). Easier to tie into existing conditions and landscape of the area, including existing infrastructure along Meadowlily Road South. 	/		
Disruption to Existing Land Uses	 Minimizes disruption to Meadowlily ESA. Integrating the pathway now minimizes potential future disruption. 	 Potential for n Potential reloc 		
Technical/ City Standards	 Follows typical City Standards. Facility for walking aligns with London Plan and Complete Streets. 			
Costs	 Potential cost savings if pathway implemented concurrently with road reconstruction, and east-west sanitary forcemain connection to City Wide Sports Park. 	Requires prop forcemain cor		
Climate Change	Decrease in greenhouse emissions (i.e., promote biking for commuters).			
	ROP. MULTI-USE PATHWAY ON WEST IDE OF MEADOWLILY ROAD NORTH BAB BUNDARY EXISTING STORM SEWER EXISTING STORM SEWER EXISTING STORM SEWER EXISTING STORM SEWER EXISTING STORM SEWER EXISTING STORM SEWER EXISTING MULTI-USE PATHWAY/IVP EXISTING MATER COURSE WATER BODY PROP. MULTI-USE PATHWAY PROP. SIDEWALKS PROP. MULTI-USE PATHWAY PROP. SIDEWALKS PROP. MULTI-USE PATHWAY ONNECTION TO CITYWIDE EXISTING MULTI-USE WATCH EXISTING MULTI-USE WATCH EXISTING MULTI-USE	t12.2m 7.00m THROUGH LANE US OWLILY RC CTION A-A		



Multi-Use Pathway Alternative 3A





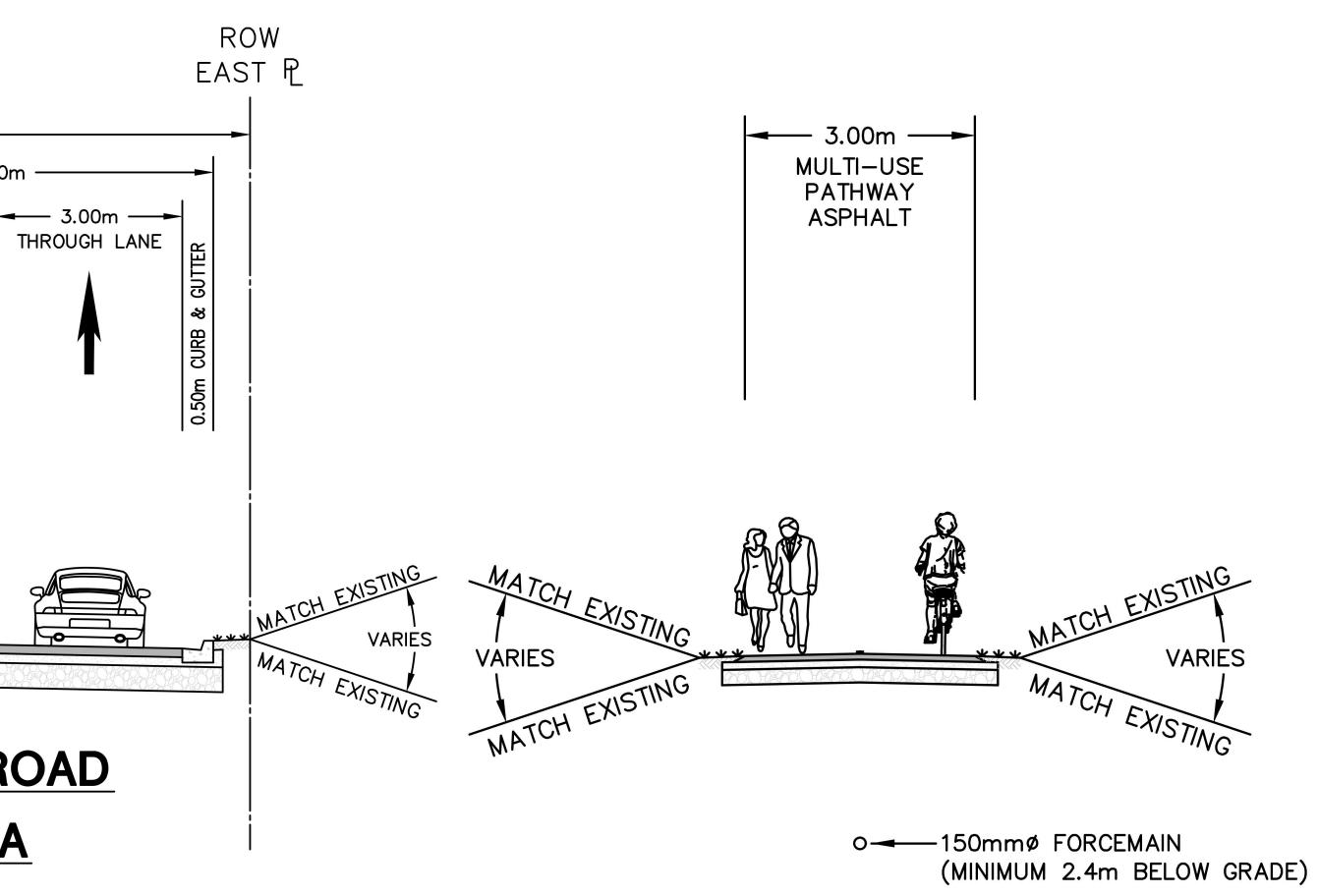
vay Connection to Citywide Sports Park

Disadvantages

ire a mid block crossing on Meadowlily Road South.

r minor grading impacts to some private properties. elocation of some hydro-poles.

operty acquisition for east – west pathway connection, could be combined with east-west sanitary connection to City Wide Sports Park.



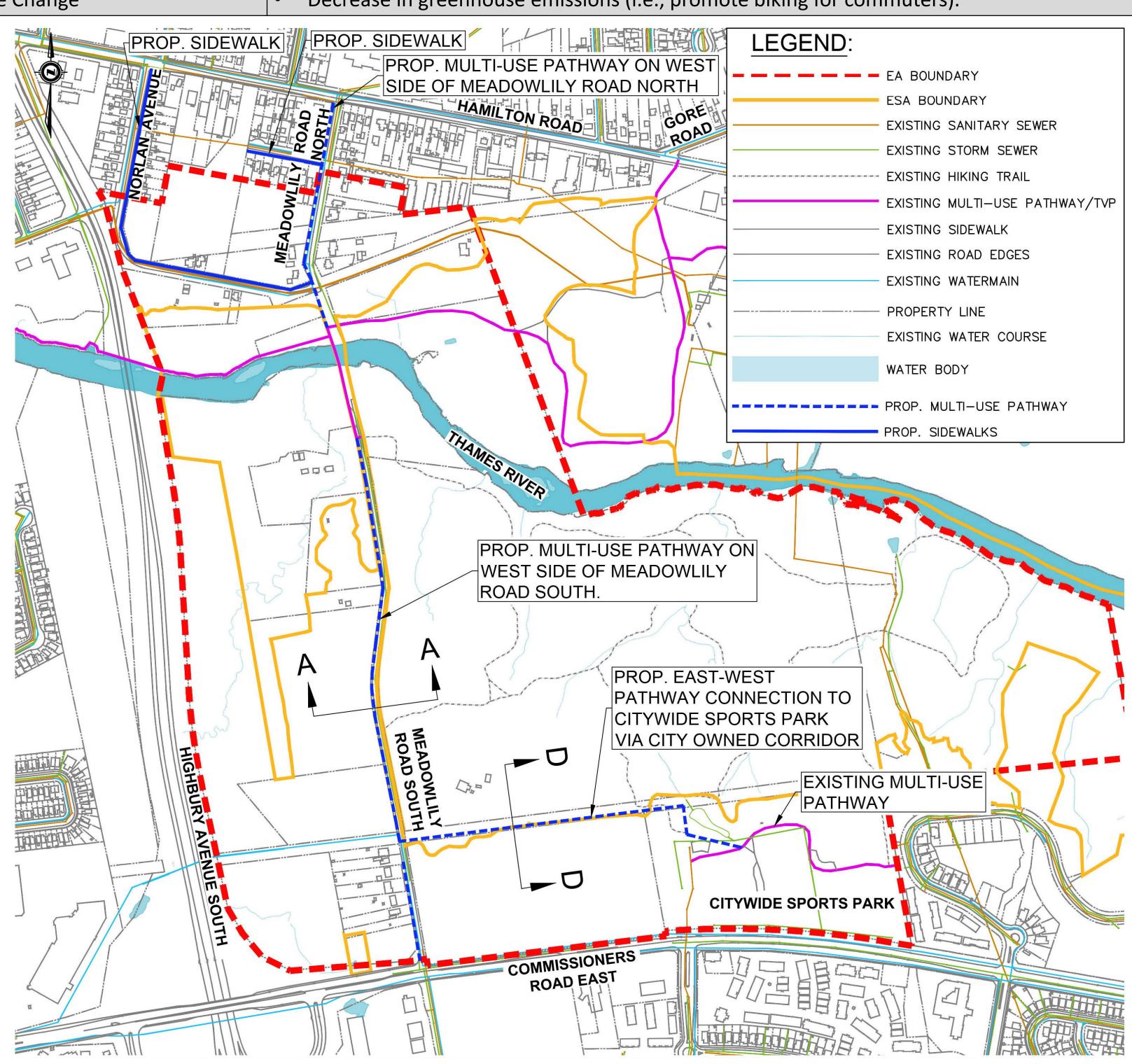
MEADOWLILY MUP SECTION C-C







	Description: Multi-Use Pathway on West Side of Meadowlily Road North and South, with an East-West P					
Evaluation Criteria	Advantages					
Natural Environment		High impact to				
Social Environment	 A community Multi-use Pathway that provides accessible and equitable connections. Provides direct access to the Citywide Sports Park, new developments and TVP. Meets AODA standards to provide safe transportation for vulnerable populations. 					
Heritage/Cultural Impacts	• Easier to tie into existing conditions and landscape of the area, including existing infrastructure along Meadowlily Road South.	Impact to cult				
Disruption to Existing Land Uses	Integrating the pathway now minimizes potential future disruption. Minimizes impact to private property for east-west connection via City-Owned corridor.					
Technical/ City Standards	 Follows typical City Standards. Facility for walking aligns with London Plan and Complete Streets. 					
Costs	 Potential cost savings if pathway implemented concurrently with road reconstruction, and east-west sanitary forcemain connection to City Wide Sports Park via City-Owned corridor. Reduced land acquisition costs 					
Climate Change	Decrease in greenhouse emissions (i.e., promote biking for commuters).					
	Image: Construction of the construc					



Multi-Use Pathway Alternative 3B

tion to Citywide Sports Park via City-Owned Corridor

Disadvantages

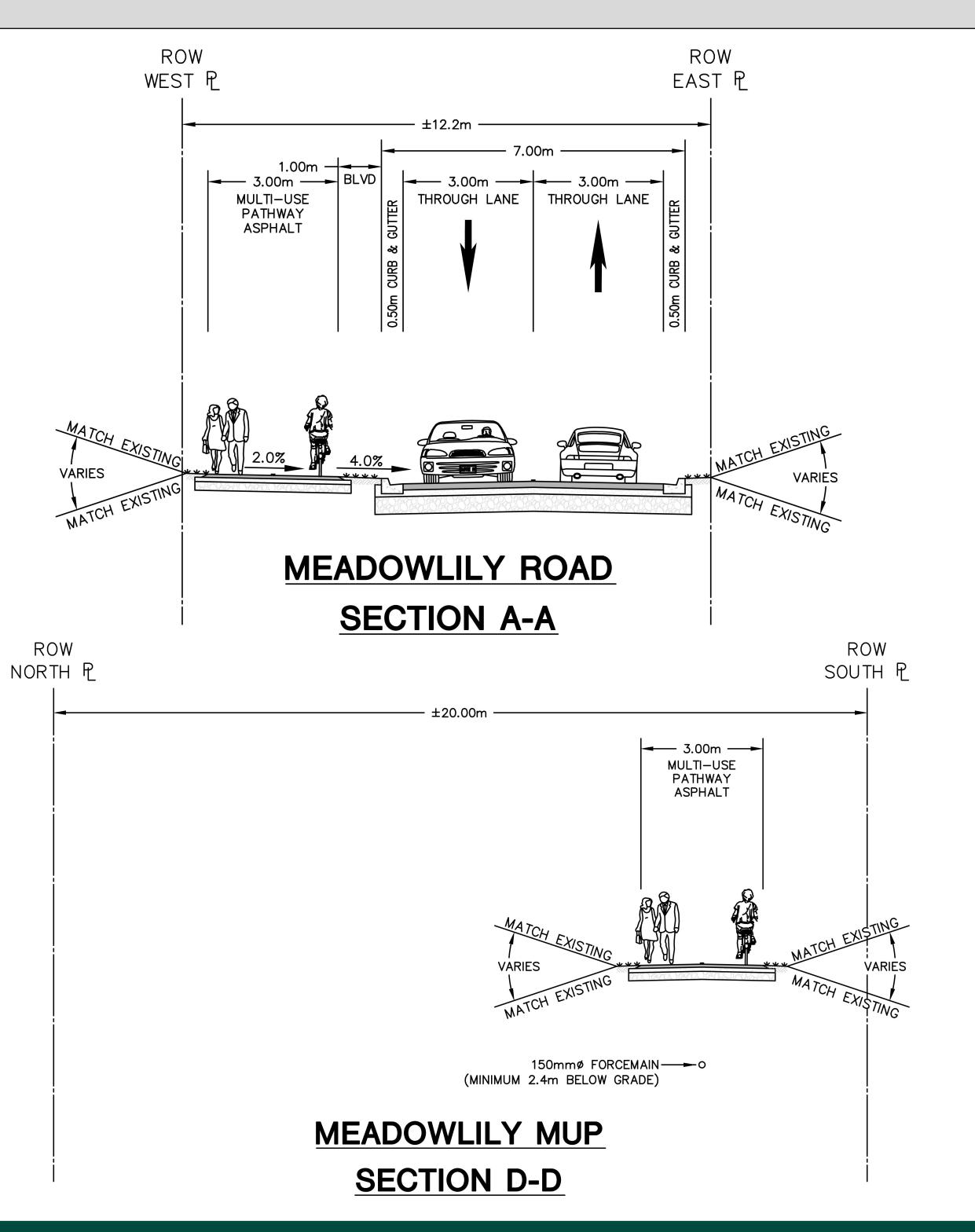
to Meadowlily environment as pathway is within ESA boundary for east-west connection.

uire a mid block crossing on Meadowlily Road South. npact to existing trails and users within ESA during construction.

Iltural heritage and archaeological sensitivity areas (i.e., Meadowlily Woods ESA).

or minor grading impacts to some private properties. elocation of some hydro-poles.

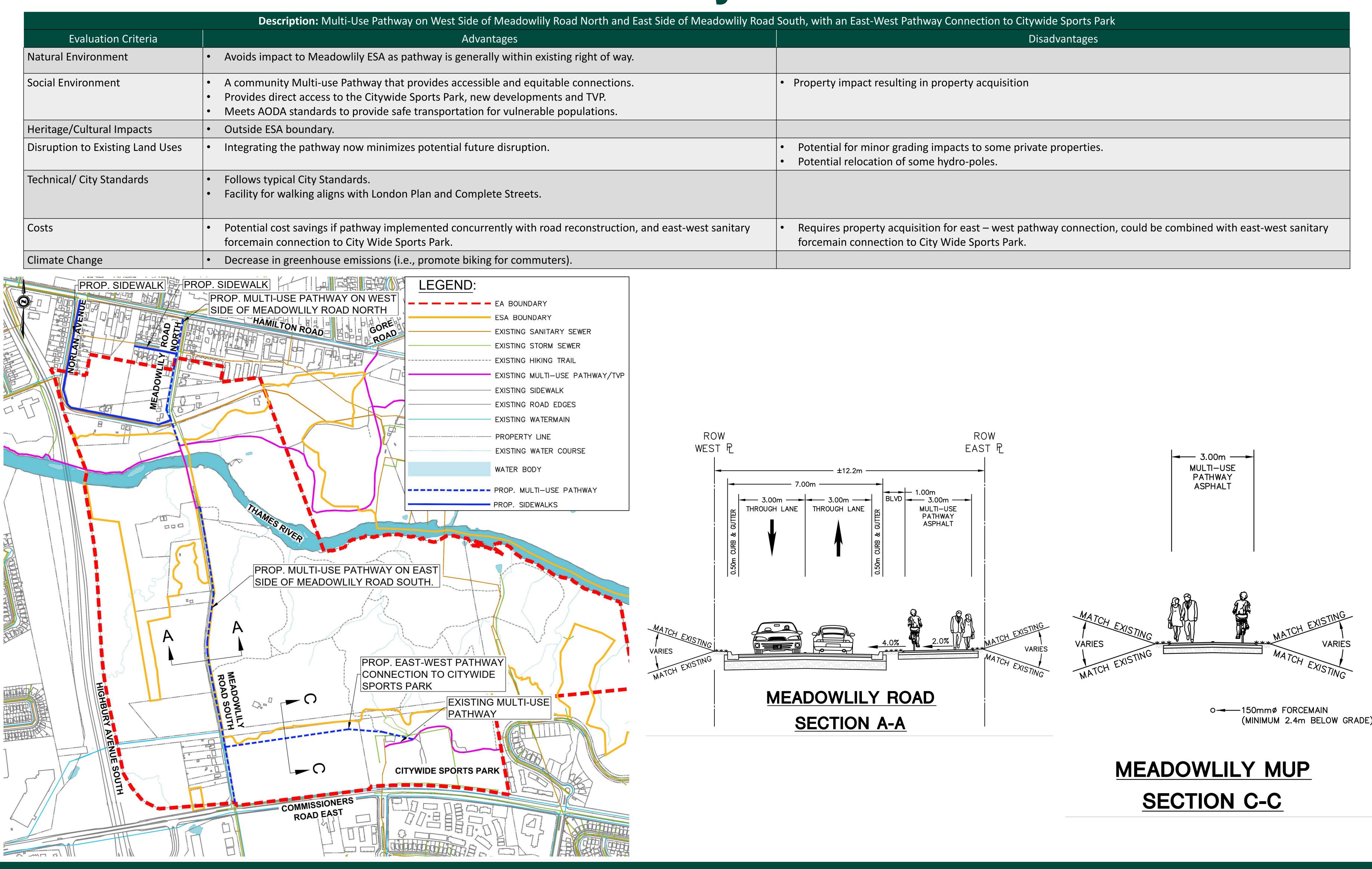
ated with environmental protection measures, cultural and archaeological requirements.







	Description: Multi-Use Pathway
Evaluation Criteria	
Natural Environment	Avoids impact to Meadowlily ESA as pat
Social Environment	 A community Multi-use Pathway that pr Provides direct access to the Citywide S Meets AODA standards to provide safe to
Heritage/Cultural Impacts	Outside ESA boundary.
Disruption to Existing Land Uses	Integrating the pathway now minimizes
Technical/ City Standards	 Follows typical City Standards. Facility for walking aligns with London P
Costs	Potential cost savings if pathway implen forcemain connection to City Wide Spor
Climate Change	• Decrease in greenhouse emissions (i.e.,



Multi-Use Pathway Alternative 4

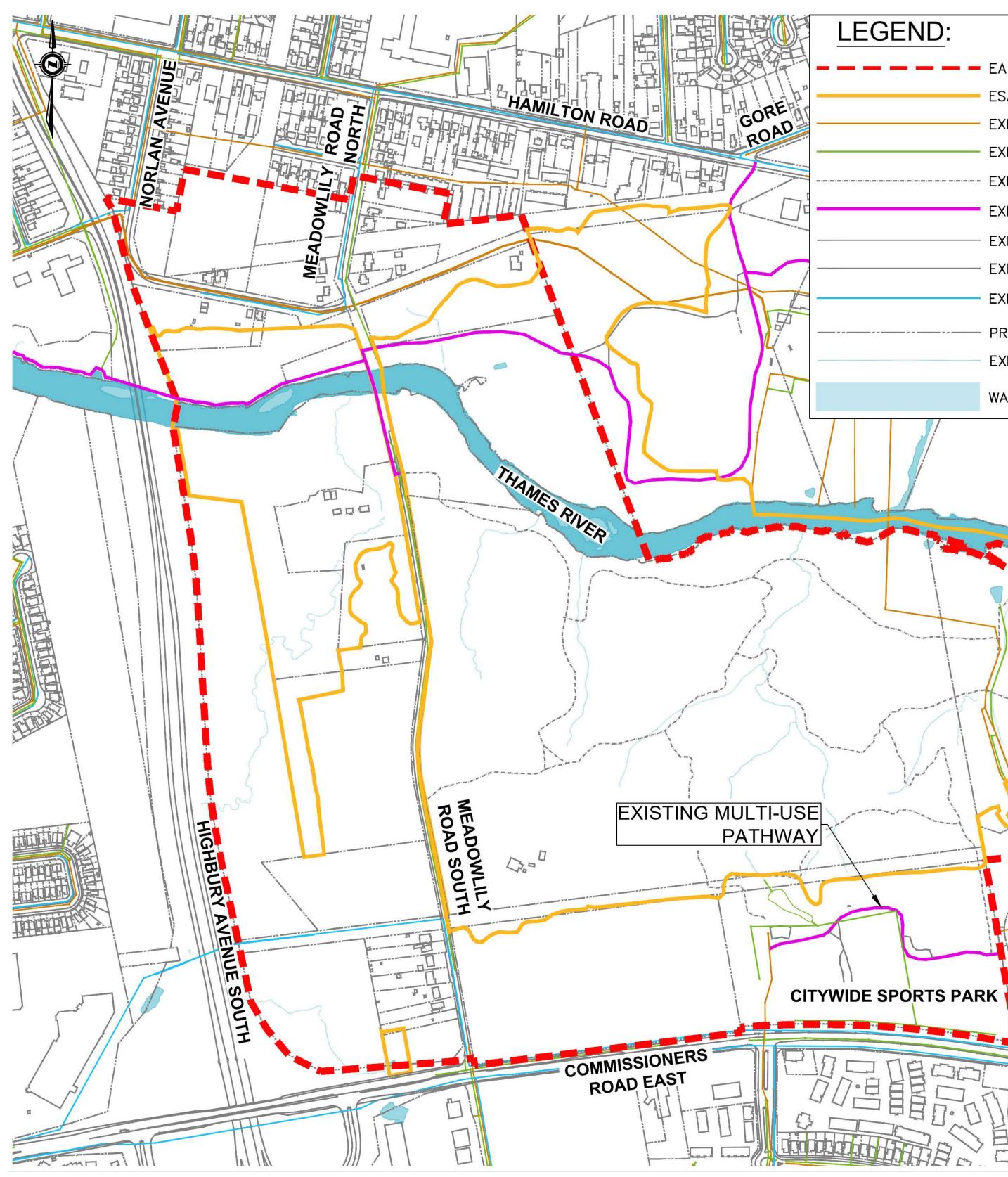








	Description: Do Nothing	
Evaluation Criteria	Advantages	
Natural Environment	Lowest risk of environmental impacts.	
Social Environment	Retains rural feel of Meadowlily Road.	Does not providWill not meet A
Haritaga/Cultural Impacts	No horitago/cultural impacts	• Will not meet A
Heritage/Cultural Impacts	No heritage/cultural impacts.	
Disruption to Existing Land Uses	 No disruption to existing land uses. 	Potential future right of way.
Technical/ City Standards	No impact to property acquisitions, existing hydro-pole relocations, or grading.	Does not meet
Costs	No initial capital costs.	Potential impact of servicing work
Climate Change		Does not decrea





Multi-Use Pathway Alternative 5



Disadvantages

vide the community a connection to the TVP, existing dwellings or proposed developments. : AODA or provide safe active transportation for vulnerable populations.

re disruption to land uses if pathway is delayed instead of integrated with servicing construction in

t City Standards for multi-use pathway requirements.

act if pathway connection occurs in the future, missing out of the opportunity to implement as part vork in the right of way.

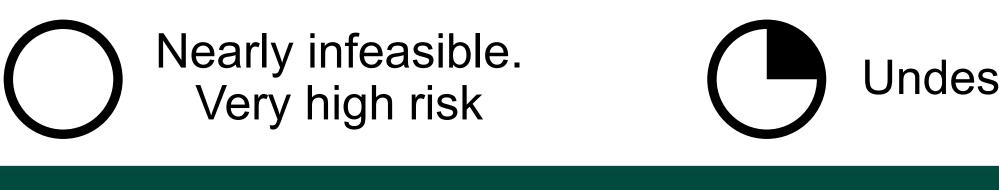
rease greenhouse gas emissions (i.e. promote active transportation).

- EA BOUNDARY ESA BOUNDARY EXISTING SANITARY SEWER EXISTING STORM SEWER EXISTING HIKING TRAIL EXISTING MULTI-USE PATHWAY/TVP EXISTING SIDEWALK EXISTING ROAD EDGES EXISTING WATERMAIN PROPERTY LINE EXISTING WATER COURSE WATER BODY

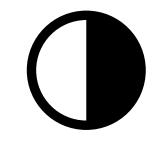




Multi-Use Pathway Evaluation Summary						
	1	2	Alternative Solutio 3A		4	5
Evaluation Criteria	MUP on West Side of Meadowlily Rd N and S	Moadowlily Rd S	MUP on West Side of Meadowlily Rd N and S with East-West	Sporte Park via City-	4 MUP on West Side of Meadowlily Rd N and East Side of Meadowlily Rd S with East-West Connection to Citywide Sports Park	Do Nothing
Natural Environment						
Social Environment						
Heritage/Culture Impacts						
Disruption to Existing Land Uses						
Technical/City Standards						
Costs						
Climate Change						
Preferred	2	X 4	1	5	3	X 6



Undesirable. High risk



Several mitigation measures. Several risks



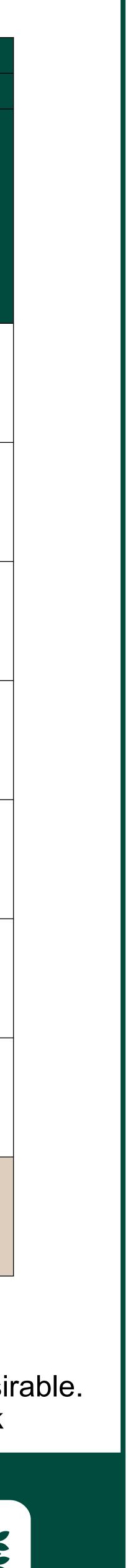


Feasible. Some mitigation measures. Some risks.

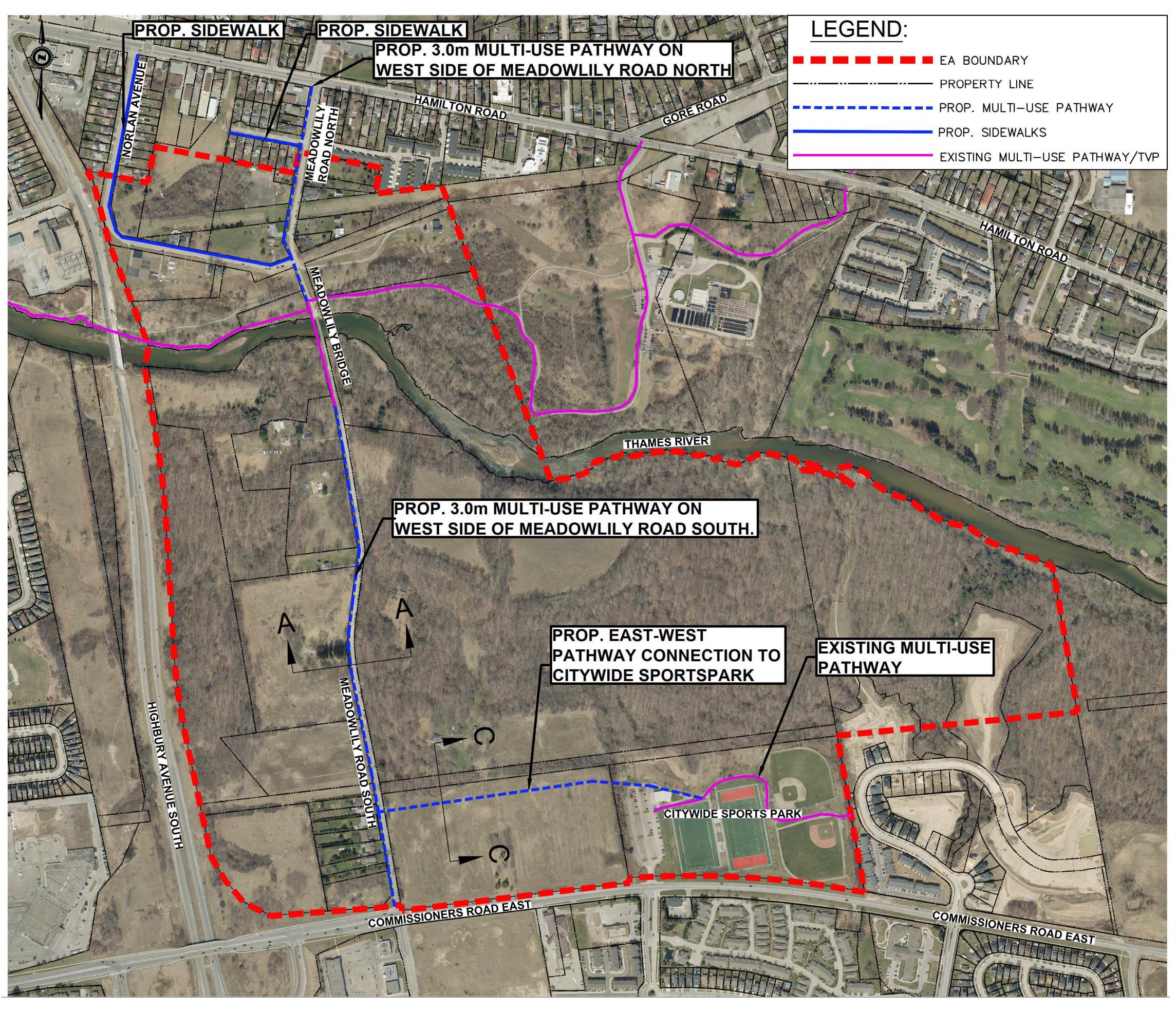


Feasible and desirable. Lowest risk









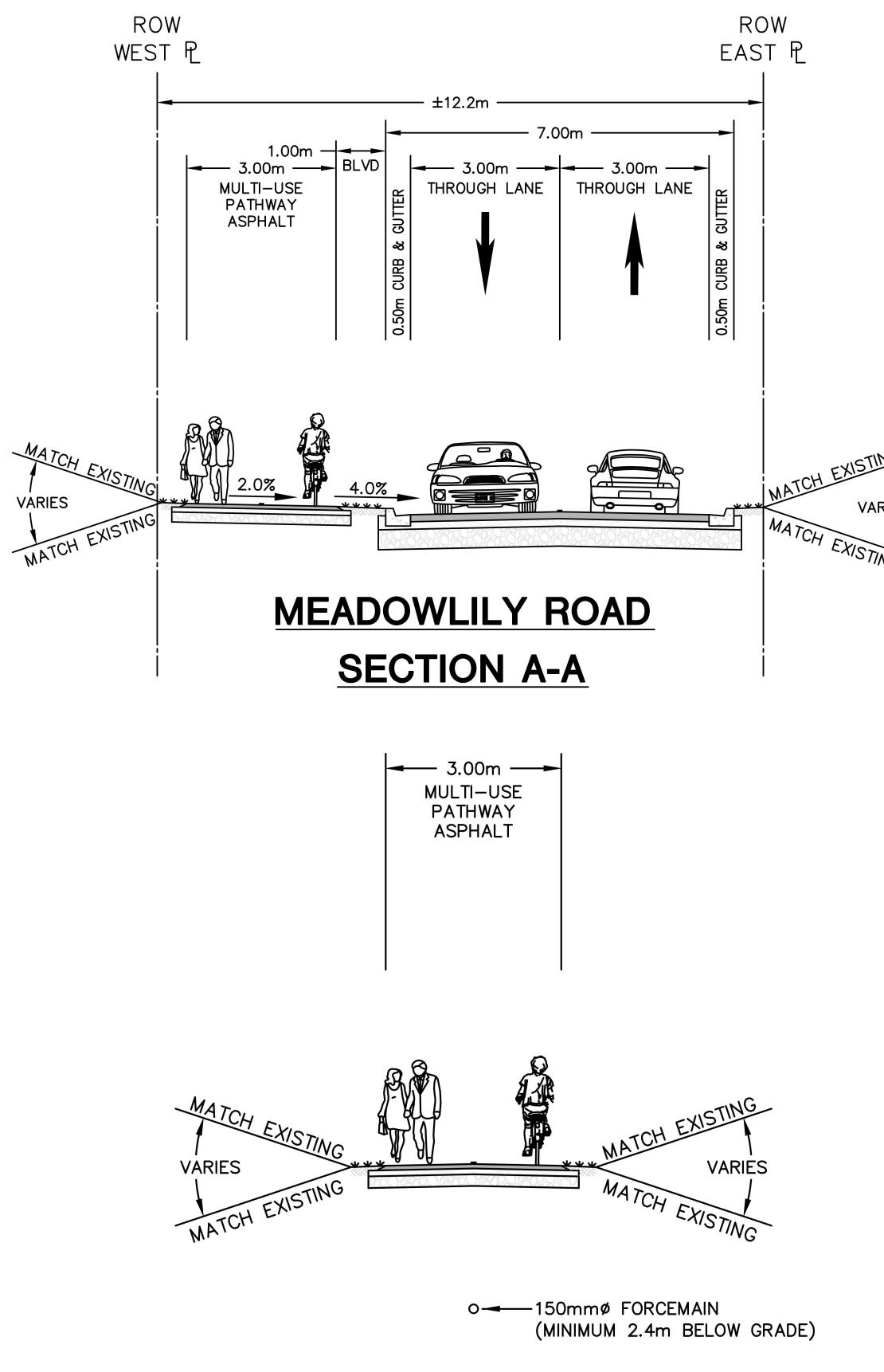
Notes:

- Approximately one property (≈ 0.12 hectares) impacted.

• Meadowlily Road EA

Overall reduction in project impacts and improved efficiency when combined with Sanitary Servicing alternative 2 or 3. Road reconstruction on Meadowlily Road South is required to install new sanitary servicing, water servicing, storm water servicing and other utilities. Pathway will be implemented concurrently with road reconstruction, generally within the existing Right-of-Way to minimize impacts.



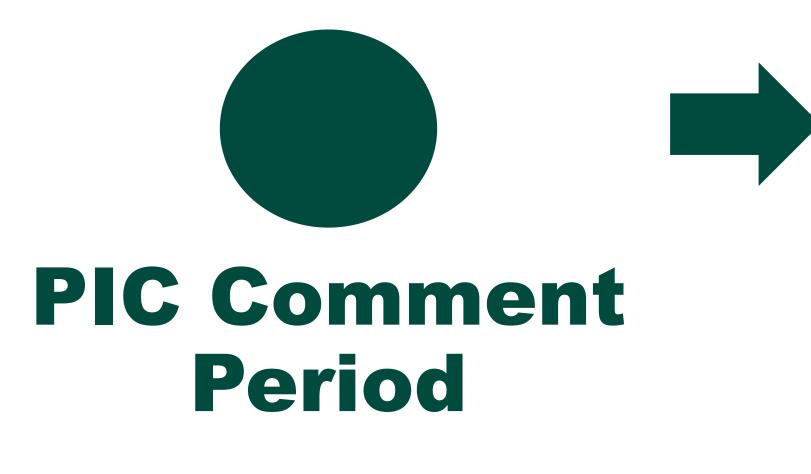


MEADOWLILY MUP SECTION C-C









December 8, 2022 to January 9, 2023

Comments/Questions

Kevin Graham, GDPA, P.Eng. **Environmental Services** Engineer



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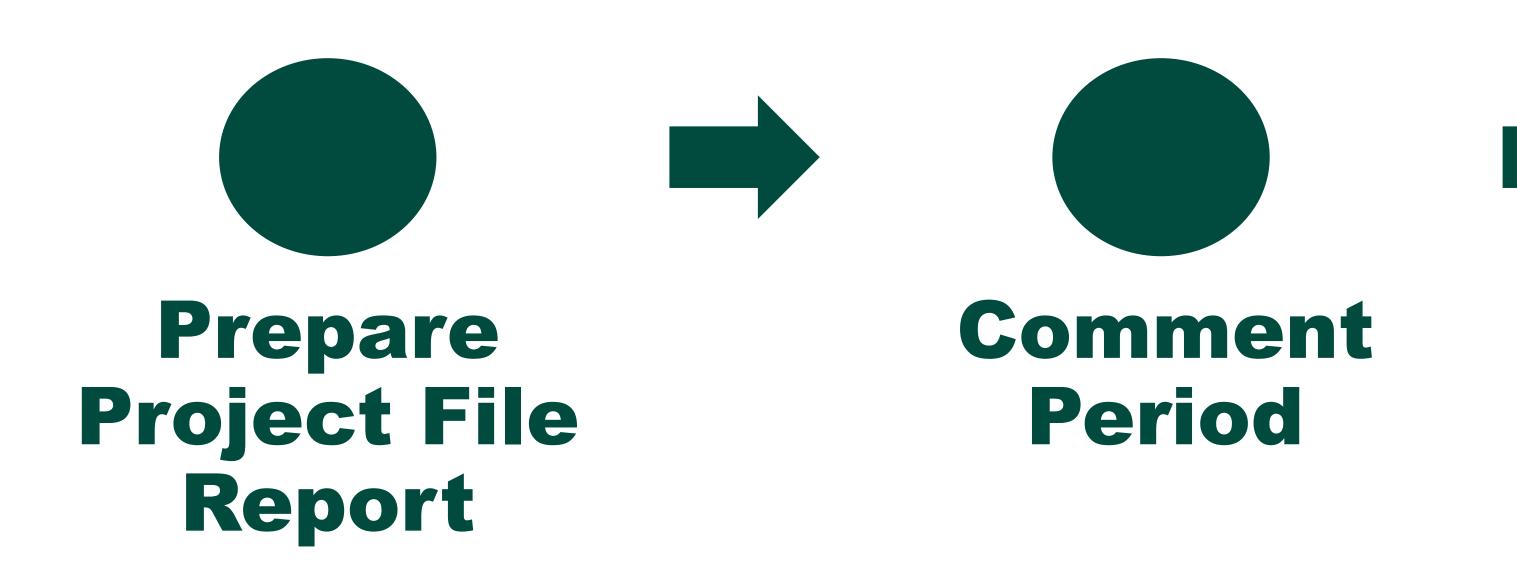
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Meadowlily Road EA

Next Steps



Vince Pugliese, P.Eng., MBA, PMP **Consultant Project Manager**



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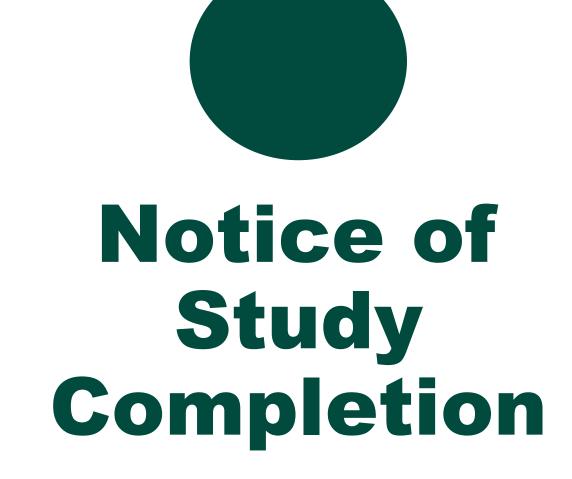




Figure 11: Meadowlily Rd

