

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment

Public Information Centre No. 3

Wednesday, March 11, 2020

5:00 to 7:00 p.m.

MacBain Community Centre – Multi-purpose Room D and E





Welcome!



Please sign in and take a comment sheet.

Meeting is a "drop-in" format with display materials.

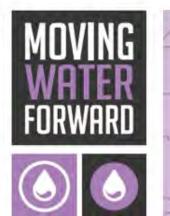
Take an information bulletin and review the display materials.

Members of the study team are available to answer questions.

We welcome your feedback as your opinion can influence this study.

Please place comment sheets in the box provided.

Please note that photos and videos will be taken during this event. If you have any concerns, please speak to a member of the project team.







Themes for Today's Public Information Centre

- 1. Present the study recommendations and the preliminary preferred solution
- 2. Review the three major study components:
 - Treatment plant site
 - Outfall location and receiving waterbody
 - Collection system strategy
- 3. Provide clarity on the evaluation process and results
- 4. Identify next steps and study commitments to confirm preferred solution and support design concepts
- 5. Receive feedback on the preliminary preferred solution





Environmental Assessment Process and Timeline



- Study commencement
- Agency & stakeholder pre-consultation workshops
- Review of baseline data & information
- Define problem
 & opportunity
 statement
- Public Information Centre #1

Fall 2018 – Spring 2019

- Prepare natural, hydrogeological, social, cultural, archaeological & economic inventory
- Identify potential impacts and how to address them
- Supporting technical analysis and studies

- Identify key factors and considerations
- Determine detailed criteria for overall strategy
- Identify alternative solutions
- Public Information Centre #2

Fall 2019

- Evaluate alternative solutions
- Select preliminary preferred plant site
- Select preliminary preferred plant outlet location
- Select preliminary preferred sewer alignments
- Public Information Centre #3
- Validate preferred solution

Fall 2019 – Spring 2020

- Identify design concept alternatives
- Prepare detailed inventory
- Identify impacts and how to address them
- Select preferred conceptual design and technologies
- Public Information Centre #4

- Finalize
 Environmental
 Study Report (ESR)
- Notice of study completion
- Finalize conceptual design
- File ESR
- Public review period

End 2020 / Early 2021

Stakeholder Engagement

This study is following the Class Environmental Assessment (EA) process, which is a decision-making process that all Ontario municipalities follow for building new infrastructure. Success of the Class EA process requires active stakeholder engagement.

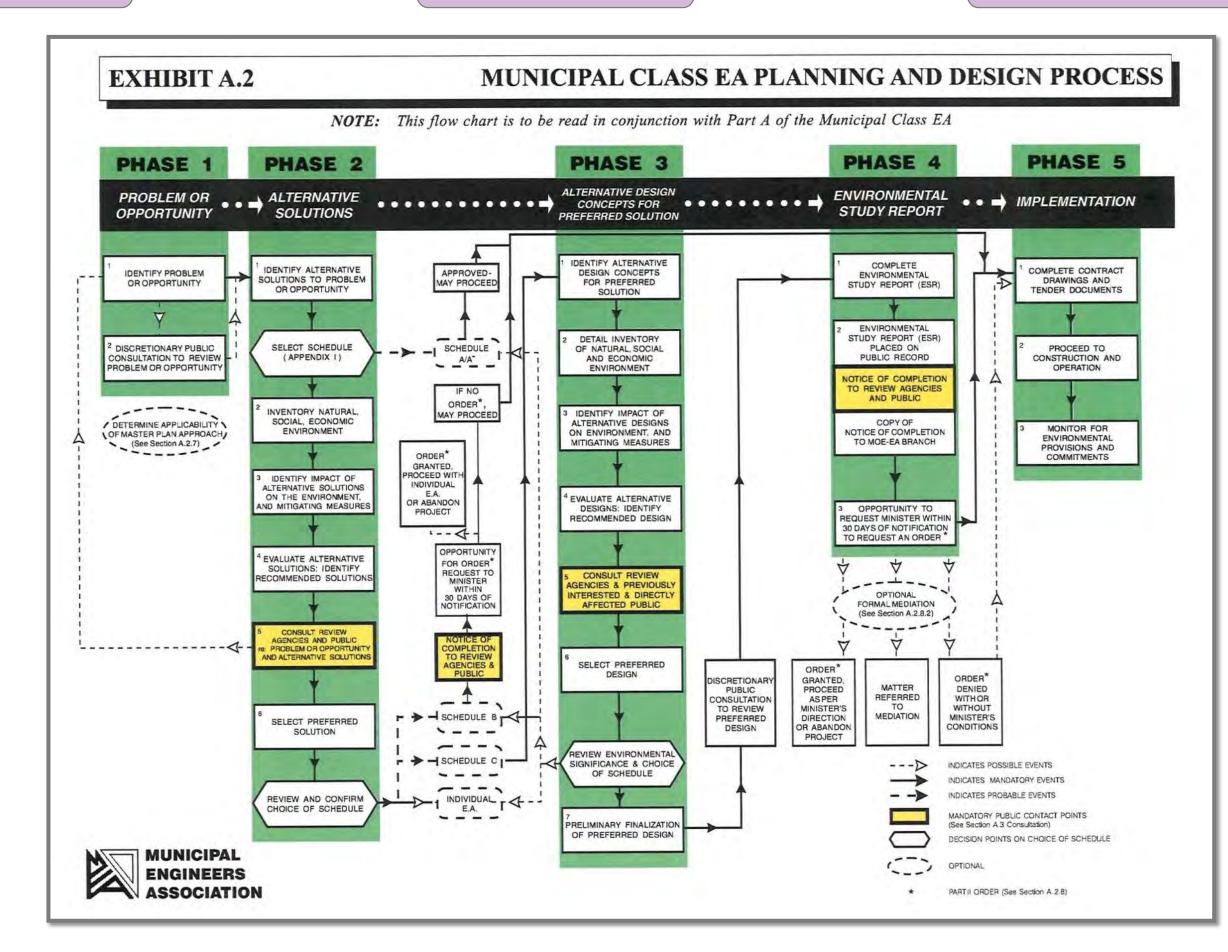
Spring 2019

- Fall 2019

Key stakeholders in this study include:

- Federal Ministries
- Provincial Ministries
- Local Municipalities
- Indigenous Communities
- Ontario Power Generation
- Public Service Providers

- Property Owners
- Communities (including businesses and residents)
- Rail / Transit
- Utilities



Spring 2020

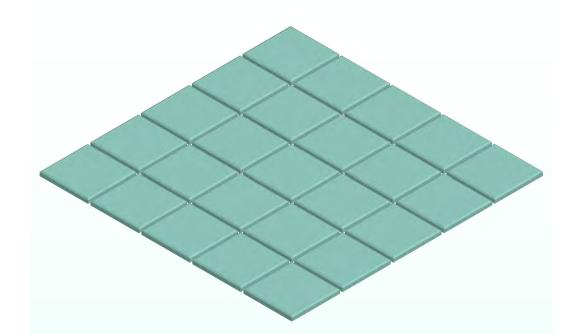
- Fall 2020

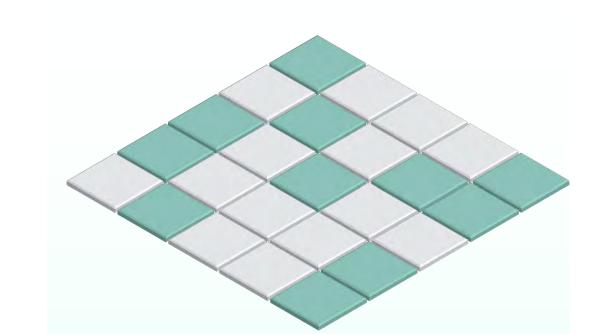


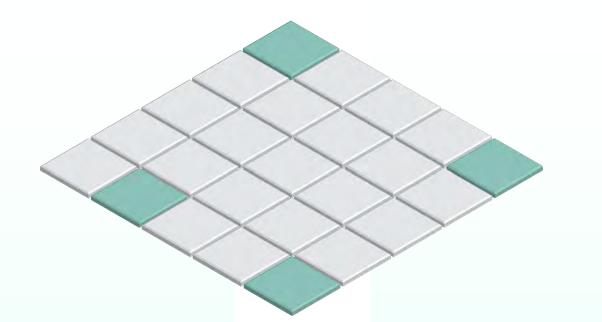


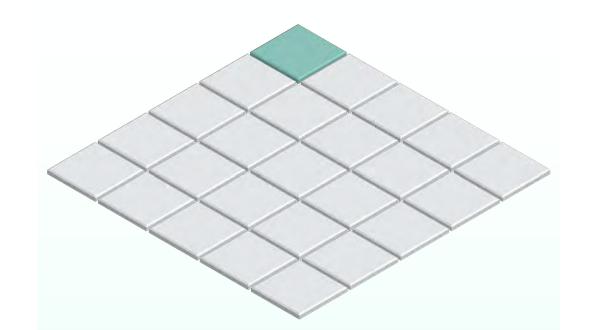
Evaluation Process





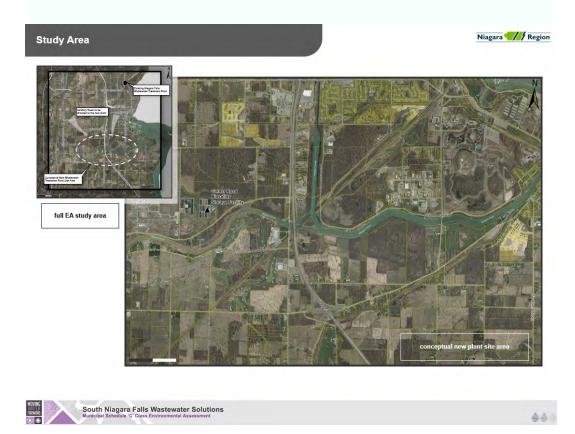






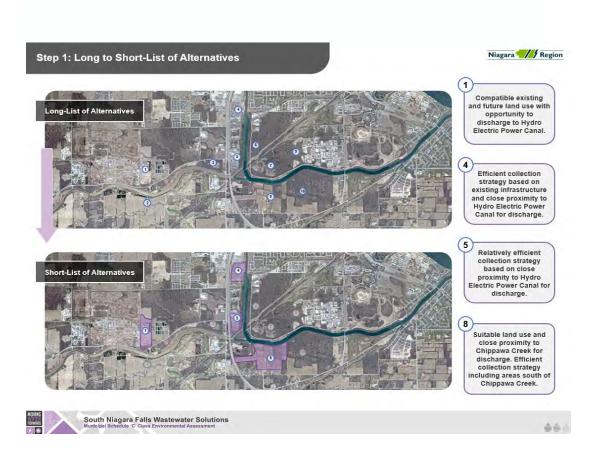
Determine Study Area

- Complete a general review of the study area
- Review sites of appropriate size that are close to receiving waterbodies, existing and future service areas, and have minimal environmental features



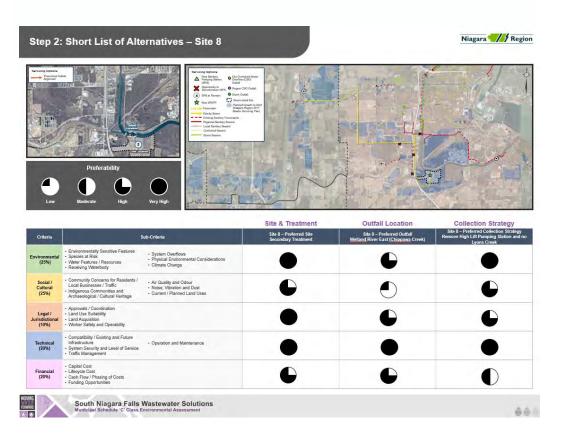
Long list of Alternatives

- All siting options compared against multiple bottom line criteria: Environmental, Social / Cultural, Legal / Jurisdictional, Technical and Financial considerations
- Define the key differences between each site
- Evaluate and select a short list for further consideration



Short list of Alternatives

- Evaluate each alternative against more detailed criteria
- Present preliminary preferred strategies for site location, outfall location, and collection system
- Compare and evaluate short listed alternatives against each other



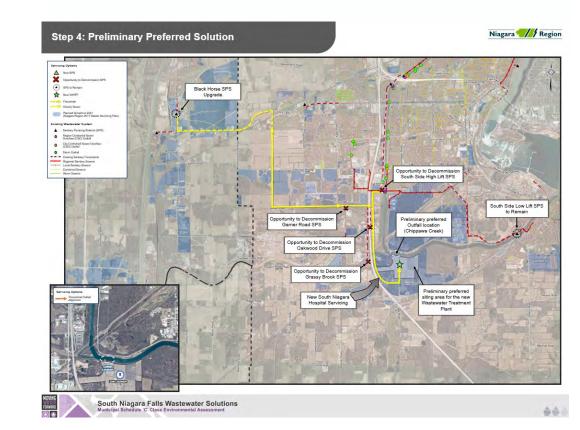
Comparative Evaluation

- Present comparative evaluation of the short list of strategies
- Provide analysis on the differences between the preliminary strategies with respect to site location, outfall location, and collection system

Criteria	Site 1	Site 4	Site 5	Site 8
Environmental	Hydro Electric Power Canal	Hydro Electric Power Canal	Hydro Electric Power Canal	Welland River East (Chippawa Creek)
(25%) Social / Cultural (25%)	6		7	
gal / Jurisdictional (10%)	Ŏ	Ŏ	Č	ŏ
Technical (20%)	0	0	•	
Financial (20%)	0	Č	0	0
Sits Offierentiator	1. stilling /Treatheact: Althor environmental advance on the side: Althor environmental advance on the side: Furthers are consisted and fusions: Long custaff to Hytro Elector Prover Canal Hytro Elector Prover Canal lask high flows and Hytro Elector Prover Canal lask high flows and Hytro Elector Prover Canal daily Grant and Company of the Canal daily Long custaff to Hytro Elector Prover Canal And ung contraction and opposition Long contraction and contraction and contraction Long contrac	1. 8.thing in visualisms the nature of the size of white size of the size of t	1. Bitting of treatment: I hillmand reversional leadures on the size. Hollmand reversional leadures on the size of the size	1. Siting / Treatment. 1. Winner all servicements features on the side. Winner all servicements features on the side. Good most access for creatment of the side. Good most access for creatment of the side of control of the side o
Impact	Least Preferred	Less Preferred	Less Preferred	Preferred

Preliminary Preferred Solution

 Present the overall preliminary preferred solution that received the highest score for: new wastewater treatment plant site location, outfall location, and collection system strategy







Study Area





full EA study area







Step 1: Long List of Alternatives



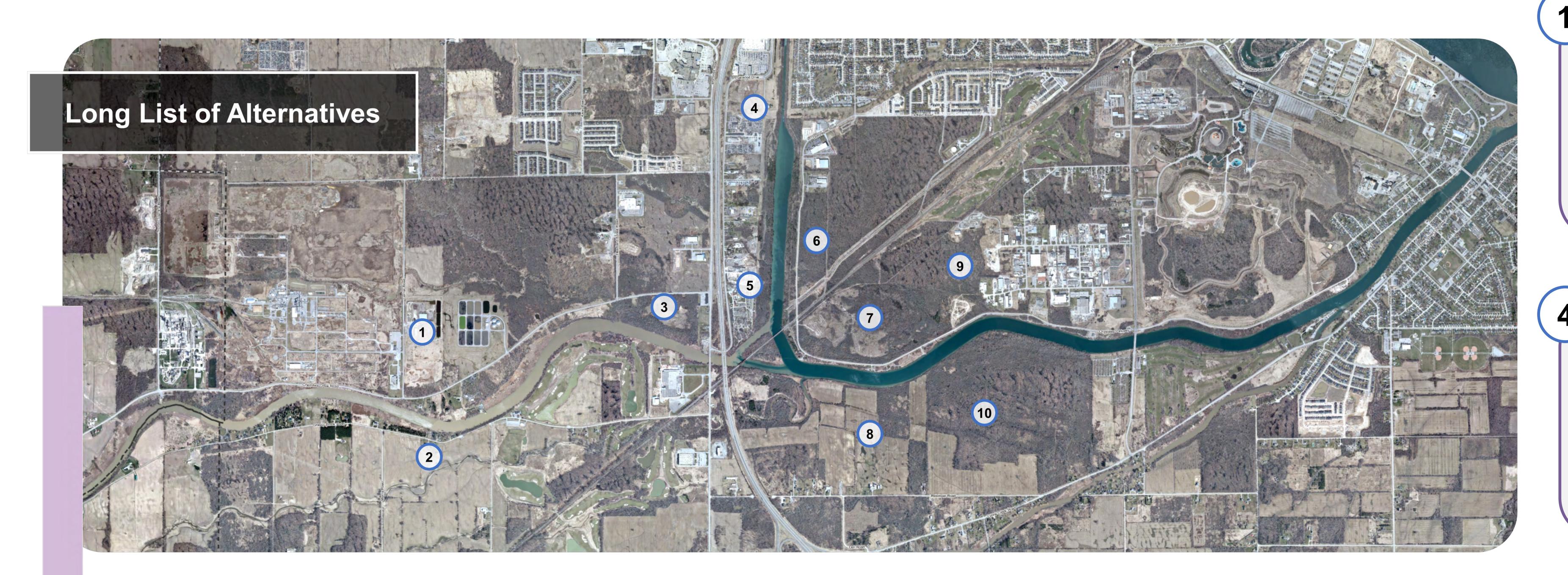
	Sit	e 1	Sit	e 2					Si	ite 7	Si	te 8	Sit	e 9	Sit	e 10
Criteria	Option 1A Welland River	Option 1B HEPC	Option 2A Welland River	Option 2B HEPC	Site 3 HEPC	Site 4 HEPC	Site 5 HEPC	Site 6 HEPC	Option 7A HEPC	Option 7B Chippawa	Option 8A HEPC	Option 8B Chippawa	Option 9A Chippawa	Option 9B Niagara River	Option 10A Chippawa	Option 10B Niagara River
Environmental	- Receiving waterbody (Welland River) is more environmentally sensitive than Hydro Electric Power Canal (HEPC) and Chippawa Creek - Site has minimal environmental constraints (Environmental Conservation Area	y - Receiving waterbody (Hydro Electric Power Canal) is less environmentally asensitive than Welland River - Site has minimal environmental	- Receiving waterbody (Welland River) is more environmentally sensitive than HEPC and Chippawa Creek - Site has minimal environmental constraints reducing potential for siting impact	- Receiving waterbody (Hydro Electric Power Canal) is less environmentally sensitive than Welland River - Site has minimal environmental features reducing	sensitive than Welland River - Site constrained by environmental features including significant wetland	Electric Power Canal) is less environmentally sensitive than Welland River - Site has minimal environmental	environmentally sensitive than Welland River - Site has minimal environmental features reducing potential for	waterbody (Hydro Electric Power Canal) is less environmentally sensitive than Welland River - Site is constrained	- Receiving waterbody (Hydro Electric Power Cana is less environmentally sensitive than Welland River - Site is constrained by environmental features including scattered wetland	environmentally sensitive than Welland River - Site is constrained by environmental features including	- Receiving waterbody (Hydro Electric Power Canal) is less environmentally sensitive than Welland River - Site has minimal environmental features reducing	Creek) is less environmentally sensitive than Wellan River - Site has minimal environmental features reducing potential for siting impact	- Receiving waterbody (Chippawa Creek) is less environmentally dsensitive than Welland River - Site is moderately constrained by environmental features including scattered wetland	- Receiving waterbody (Niagara River) is less environmentally sensitive than Welland River - Site is moderately constrained by environmental features including	- Receiving waterbody (Chippawa Creek) is less environmental sensitive than Welland River - Site is constrained by environmental features including	- Receiving a waterbody (Niagara River) is less environmental sensitive than Welland River
Social / Cultural	areas - Receiving waterbody has existing recreational use increasing potential for impact during	from core existing and future development areas - Receiving waterbody has existing recreational ruse increasing potential for impact	impact to future residential properties to the east - Receiving waterbody has existing recreational use increasing	impact to future residential properties to the east - Receiving waterbody has existing recreational use increasing potential for impact	lowing potential impact to surrounding uses - Receiving waterbody has no public access reducing potential for impact during	impact to existing residential properties and existing / future commercial / retail use - Receiving waterbody has no public access reducing potential for impact during construction	impact to future residential properties and existing / future commercial / retail use - Impact to existing use as holiday park /	future residential properties - Receiving waterbody has no public access reducing potential yfor impact during	- Increased potential impact to future residential properties - Receiving waterbody has no public access reducing potential for impact during constriction	impact to future residential properties - Receiving waterbody has existing recreational	adequate buffer to future commercial properties - Receiving waterbody has no public access reducing potential for impact during	properties - Receiving waterbody has existing recreational use increasing	residential properties and existing / future commercial / retail use - Receiving waterbody has existing recreational use increasing	impact to future residential properties and existing / future commercial / retail use - Receiving waterbody has existing recreational use increasing potential for impact	impact to future commercial properties - Receiving waterbody has existing recreational use increasing	use increasing potential for impact
Legal /	 Suitable existing, future and surrounding land use (industrial) Sensitive receiving waterbody increasing permitting and approval requirements 	surrounding land use (industrial)		- Suitable existing and future and use (open space)	environmental features - Significant environmental constraints increasing permitting and approval	commercial properties and would require several property acquisitions	- Suitable future land use (mostly commercial, some	compatible for siting purposes	purposes - Significant environmental constraints increasin	- Future land use (residential) is not compatible for siting purposes - Significant environmental geonstraints increasing permitting and approval requirements	use (commercial)	- Existing land is being used for agriculture - Suitable future land use (commercial)	- Future land use (residential) is not compatible for siting purposes	l` '	(commercial) - Significant environmental	- Suitable existing and future land use (commercial) - Significant environmental constraints increasing permitting and approval requirements
Technical	effluent criteria objectives due to more sensitive receiving waterbody - Short outfall to reach	complexity needed to meet effluent criteria objectives - Long outfall required to reach receiving waterbody - Inefficient	effluent criteria objectives due to more sensitive receiving waterbody - Short outfall to reach receiving	complexity needed to meet effluent criteria objectives - Long outfall required to reach	 - Limited land availability for future phasing due to environmental constraints - Inefficient collection strategy 	complexity needed to meet effluent criteria objectives - Short outfall to reach receiving waterbody - Facilitates long term planning and	complexity needed to	treatment complexity needed to meet effluent criteria objectives - Short outfall to reach receiving	complexity needed to meet effluent criteria objectives - Short outfall to reach receiving waterbody	 Reduced treatment complexity needed to meet effluent criteria objectives Short outfall to reach receiving waterbody Inefficient collection strategy 	complexity needed to meet effluent criteria objectives - Facilitates long term planning and phasing	complexity needed to meet effluent criteria objectives - Facilitates long tern planning and phasing - Efficient collection	reach receiving waterbody - Limited land n availability for future phasing due to environmental	- Limited land availability for future phasing due to environmental constraints - Difficult collection	phasing due to environmental constraints - Relatively efficient	phasing due to environmental constraints
Financial	- Increased costs associated with treatment and inefficient collection strategy	- Increased costs associated with length of outfall required and inefficient collection strategy	treatment and difficult collection strategy	- Increased costs associated with length of outfall required and difficult collection strategy	outfall	outfall and efficient	- Reduced costs associated with short outfall and efficient collection strategy	- Reduced costs associated with short outfall - Increased costs associated with inefficient collection strategy	outfall - Increased costs associated with	- Reduced costs associated with short outfall - Increased costs associated with inefficient collection strategy	- Increased costs associated with length of outfall required - Reduced costs associated with efficient collection strategy	outfall required and efficient collection strategy	- Increased costs	length of outfall required and difficult	<u>'</u>	- Increased costs associated with length of outfall required and relatively efficient collection strategy
Site Differentiator	Concern with effluent discharge to Welland River and environmental implications.	discharge to Hydro	to Welland River and environmental	Difficult and costly	to environmental	close proximity to	hased on existing	Environmental and planning	system strategy	Inefficient collection system strategy. d Environmental and planning constraints.	south of Chinnawa	to Chinnawa Crook	Difficult collection strategy. Land availability constrained.	Difficult collection strategy. Land availability constrained.	Increased environmental constraints.	Increased environmental constraints.
Feasibility	X		X	X	X			X	X	X	X		X	X	X	X





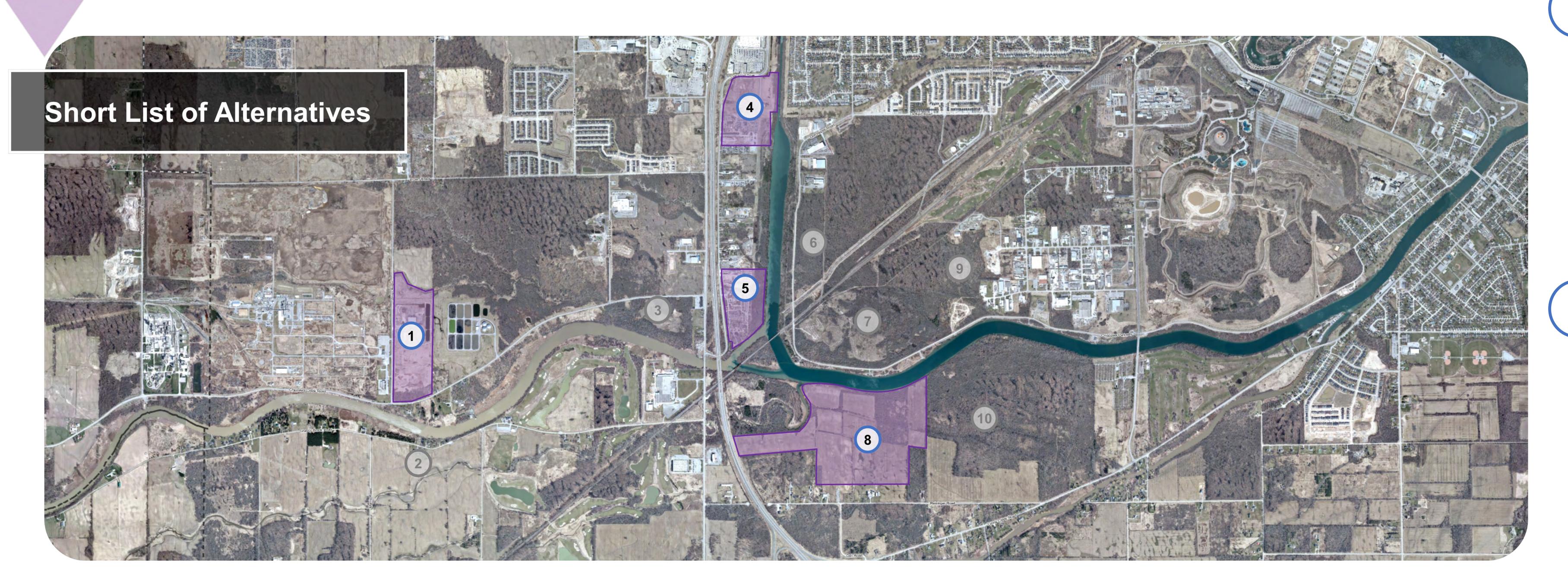
Step 1: Long to Short List of Alternatives





Compatible existing and future land use with opportunity to discharge to Hydro Electric Power Canal.

Efficient collection strategy based on existing infrastructure and close proximity to Hydro Electric Power Canal for discharge.



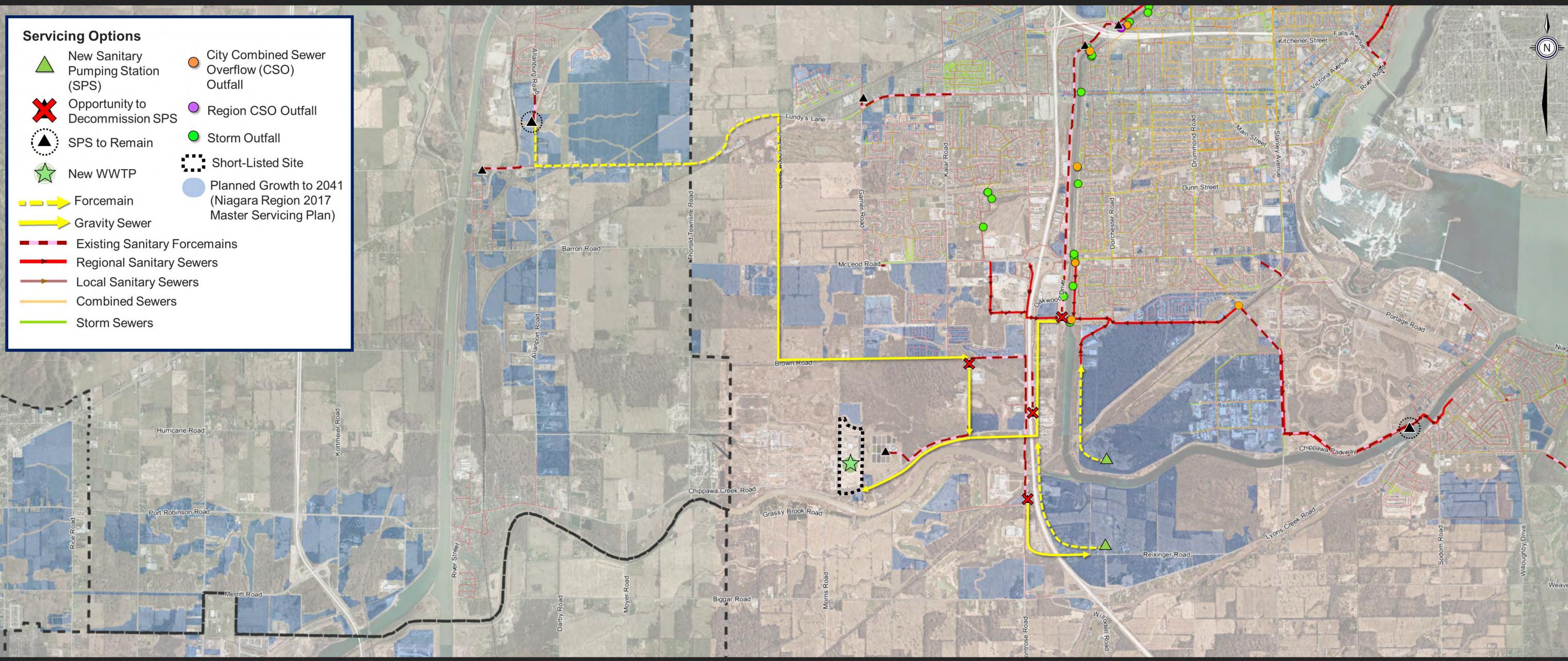
- Relatively efficient collection strategy based on existing infrastructure and close proximity to Hydro Electric Power Canal for discharge.
- Suitable land use and close proximity to Chippawa Creek for discharge. Efficient collection strategy including areas south of Chippawa Creek.

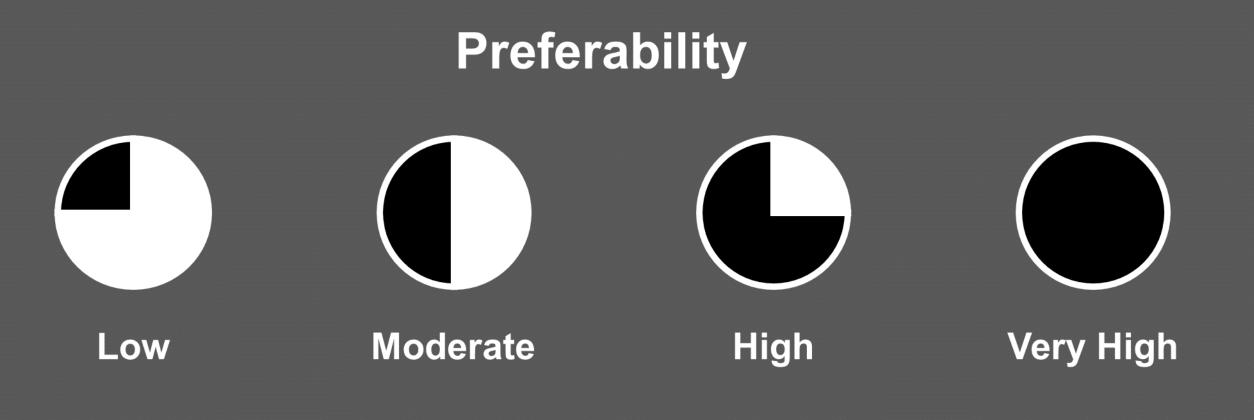




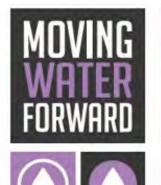








		Site & Treatment	Outfall Location	Collection Strategy
Criteria	Sub-Criteria	Site 1 – Preferred Site Secondary Treatment	Site 1 – Preferred Outfall Hydro Electric Power Canal	Site 1 – Preferred Collection Strategy Remove High Lift Pumping Station and no Lyons Creek
Environmental (25%)	 Environmentally Sensitive Features Species at Risk Water Features / Resources Receiving Waterbody System Overflows Physical Environmental Considerations Climate Change 			
Social / Cultural (25%)	 Community Concerns for Residents / Local Businesses / Traffic Indigenous Communities and Archaeological / Cultural Heritage Air Quality and Odour Noise, Vibration and Dust Current / Planned Land Uses 			
Legal / Jurisdictional (10%)	 Approvals / Coordination Land Use Suitability Land Acquisition Worker Safety and Operability 			
Technical (20%)	 Compatibility / Existing and Future Infrastructure System Security and Level of Service Traffic Management Operation and Maintenance Operation and Maintenance 			
Financial (20%)	 Capital Cost Lifecycle Cost Cash Flow / Phasing of Costs Funding Opportunities 			







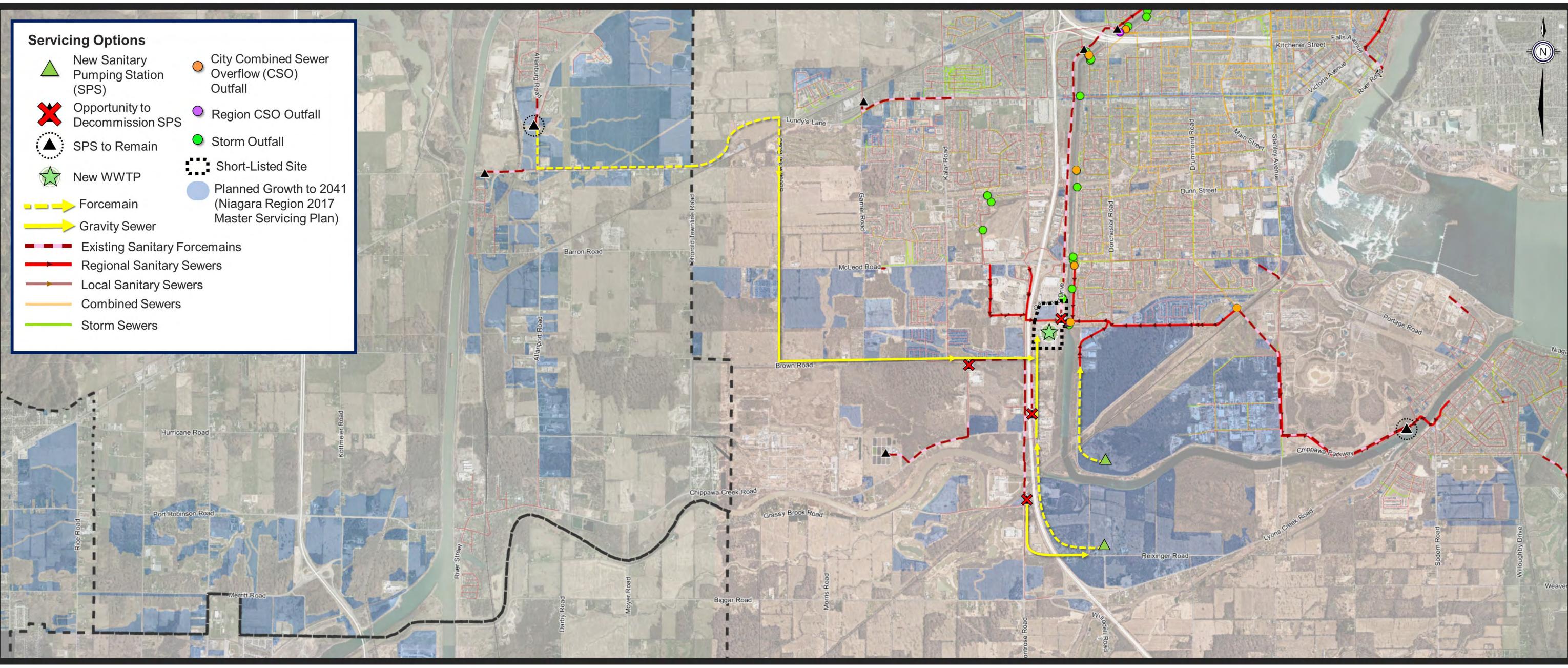


Preferability

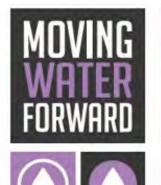
High

Moderate

Low



		Site & Treatment	Outfall Location	Collection Strategy
Criteria	Sub-Criteria	Site 4 – Preferred Site Secondary Treatment	Site 4 – Preferred Outfall Hydro Electric Power Canal	Site 4 – Preferred Collection Strategy Remove High Lift Pumping Station and no Lyons Creek
Environmental (25%)	 Environmentally Sensitive Features Species at Risk Water Features / Resources Receiving Waterbody System Overflows Physical Environmental Considerations Climate Change 			
Social / Cultural (25%)	 Community Concerns for Residents / Local Businesses / Traffic Indigenous Communities and Archaeological / Cultural Heritage Air Quality and Odour Noise, Vibration and Dust Current / Planned Land Uses 			
Legal / Jurisdictional (10%)	 Approvals / Coordination Land Use Suitability Land Acquisition Worker Safety and Operability 			
Technical (20%)	 Compatibility / Existing and Future Infrastructure • Operation and Maintenance System Security and Level of Service Traffic Management 			
Financial (20%)	 Capital Cost Lifecycle Cost Cash Flow / Phasing of Costs Funding Opportunities 			

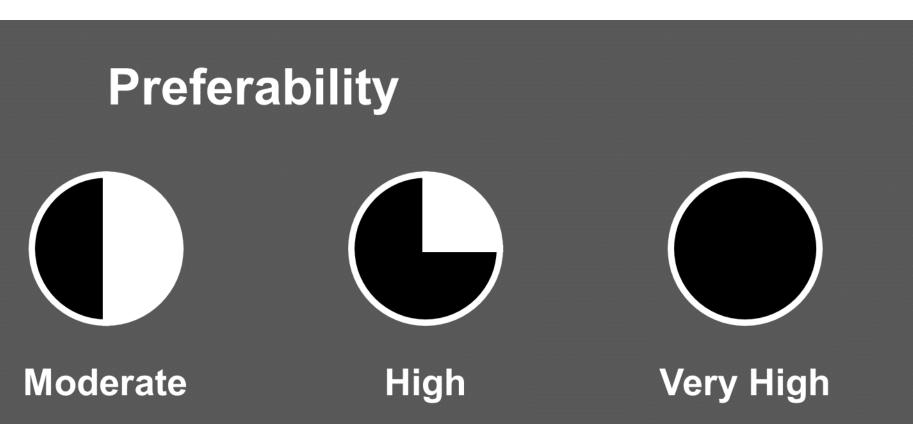


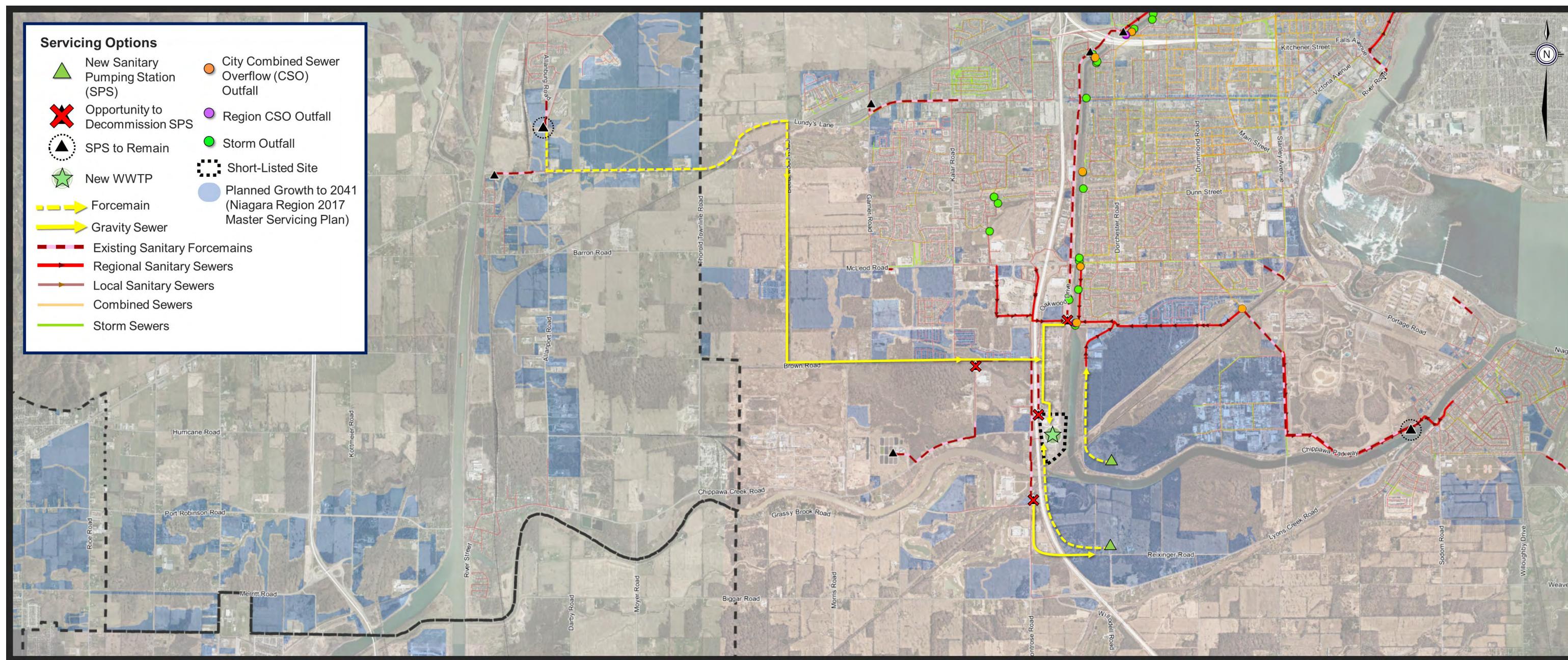


Very High









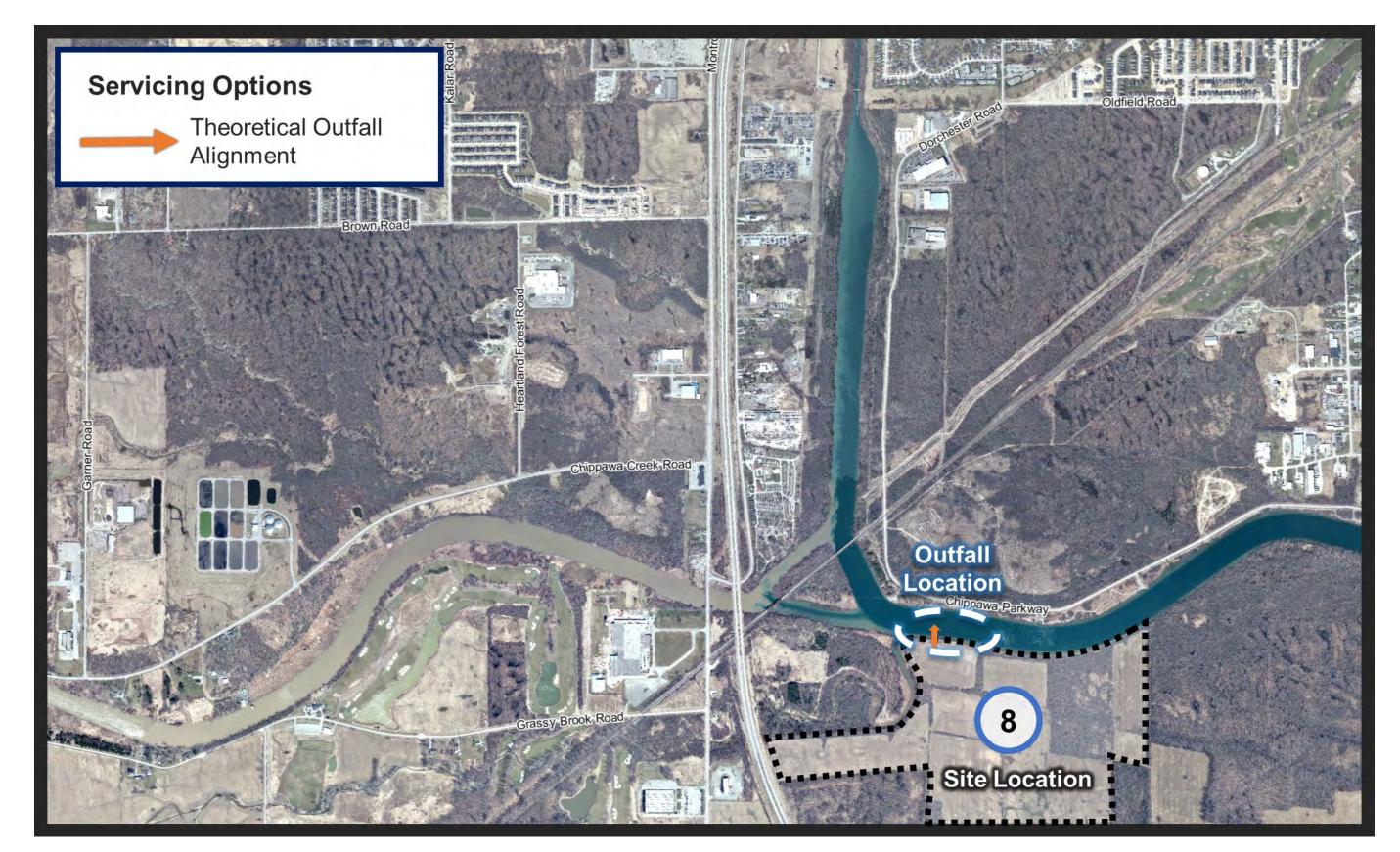
		Site & Treatment	Outfall Location	Collection Strategy
Criteria	Sub-Criteria	Site 5 – Preferred Site Secondary Treatment	Site 5 – Preferred Outfall Hydro Electric Power Canal	Site 5 – Preferred Collection Strategy Remove High Lift Pumping Station and no Lyons Creek
Environmental (25%)	 Environmentally Sensitive Features Species at Risk Water Features / Resources Receiving Waterbody System Overflows Physical Environmental Considerations Climate Change 			
Social / Cultural (25%)	 Community Concerns for Residents / Local Businesses / Traffic Indigenous Communities and Archaeological / Cultural Heritage Air Quality and Odour Noise, Vibration and Dust Current / Planned Land Uses 			
Legal / Jurisdictional (10%)	 Approvals / Coordination Land Use Suitability Land Acquisition Worker Safety and Operability 			
Technical (20%)	 Compatibility / Existing and Future Infrastructure System Security and Level of Service Traffic Management Operation and Maintenance Traffic Management 			
Financial (20%)	 Capital Cost Lifecycle Cost Cash Flow / Phasing of Costs Funding Opportunities 			

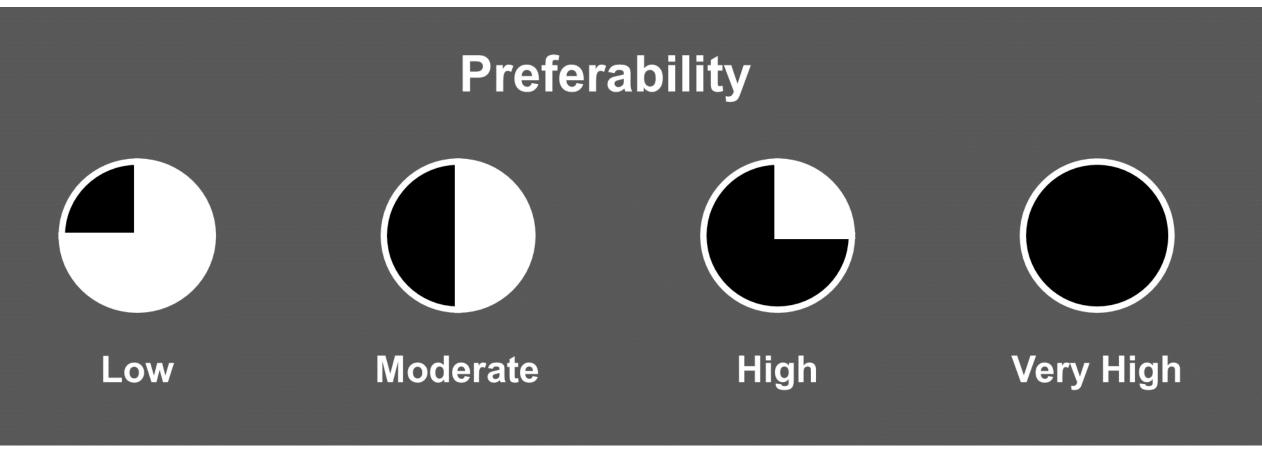


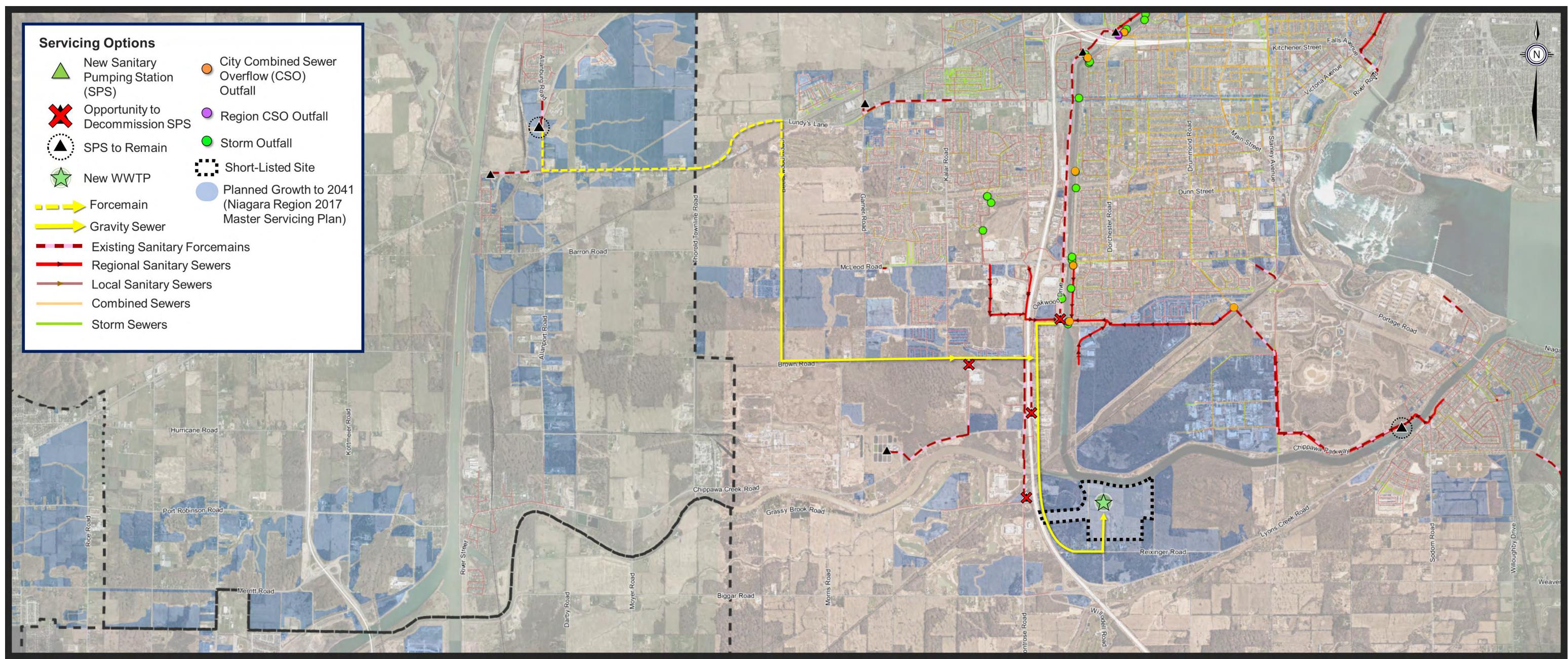
Low









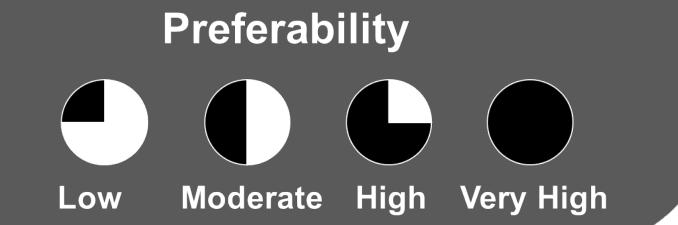


		Site & Treatment	Outfall Location	Collection Strategy
Criteria	Sub-Criteria	Site 8 – Preferred Site Secondary Treatment	Site 8 – Preferred Outfall Welland River East (Chippawa Creek)	Site 8 – Preferred Collection Strategy Remove High Lift Pumping Station and no Lyons Creek
Environmental (25%)	 Environmentally Sensitive Features Species at Risk Water Features / Resources Receiving Waterbody System Overflows Physical Environmental Considerations Climate Change 			
Social / Cultural (25%)	 Community Concerns for Residents / Local Businesses / Traffic Indigenous Communities and Archaeological / Cultural Heritage Air Quality and Odour Noise, Vibration and Dust Current / Planned Land Uses 			
Legal / Jurisdictional (10%)	 Approvals / Coordination Land Use Suitability Land Acquisition Worker Safety and Operability 			
Technical (20%)	 Compatibility / Existing and Future Infrastructure • Operation and Maintenance System Security and Level of Service Traffic Management 			
Financial (20%)	 Capital Cost Lifecycle Cost Cash Flow / Phasing of Costs Funding Opportunities 			





Step 3: Comparative Evaluation



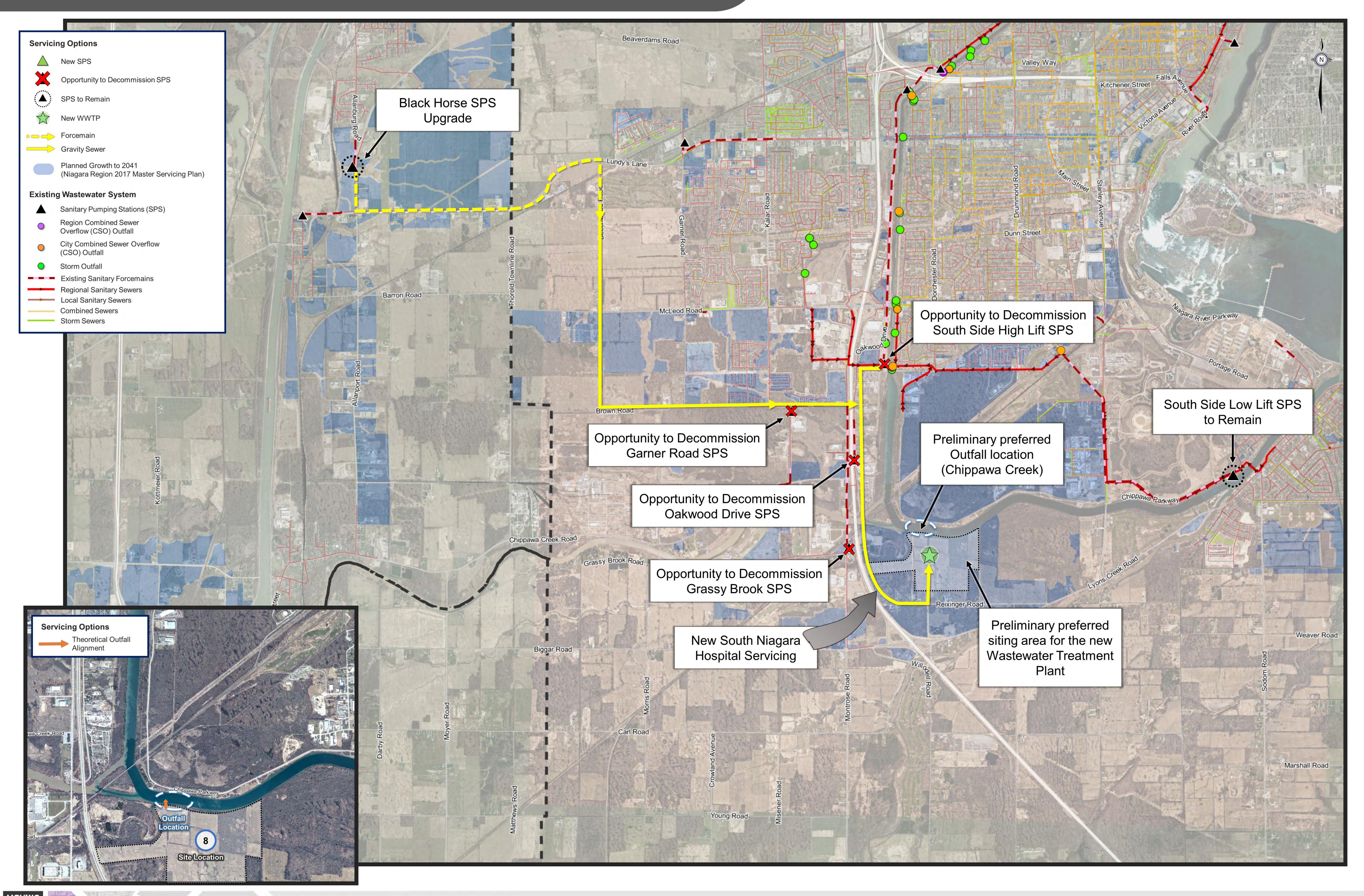


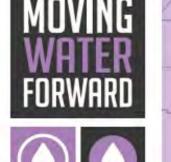
Criteria	Site 1 Hydro Electric Power Canal	Site 4 Hydro Electric Power Canal	Site 5 Hydro Electric Power Canal	Site 8 Welland River East (Chippawa Creek)	
Environmental (25%)					
Social / Cultural (25%)					
Legal / Jurisdictional (10%)					
Technical (20%)					
Financial (20%)					
Site Differentiator	 1. Siting / Treatment: Minor environmental features on the site Adjacent to existing Biosolids Plant Furthest removed from core existing and future residential Low potential for cultural impact Large area to support siting and flexibility High potential to buffer odour, air and noise 2. Outfall: Long outfall to Hydro Electric Power Canal Hydro Electric Power Canal has high flows and favourable mixing conditions Low potential to impact recreational and waterway use during construction and operation No impact to Hydro Electric Power Canal during operations Temporary impact on Hydro Electric Power Canal during construction 3. Collection Strategy: Strategy supports existing Sewage Pumping Station decommissioning Supports Thorold South servicing Requires additional Sewage Pumping Station and long forcemain strategy for south growth areas Sewer alignments anticipated in road right-of-way 4. Financial Considerations: Plant construction costs same for all options Outfall will have elevated construction costs related to length to reach the Hydro Electric Power Canal Lifecycle costs benefit from Sewage Pumping Station decommissioning Higher risk associated with future servicing strategy cost Overall strategy more costly than options 4, 5 & 8 	1. Siting / Treatment: Minimal environmental features on the site Increased property acquisition risk associated with existing and planned commercial developments Moderate potential for contaminated soil Low potential for cultural impact Smaller area limits siting and flexibility Site closer to residential and commercial uses Requires increased mitigation to buffer odour, air and noise 2. Outfall: Short outfall to Hydro Electric Power Canal Hydro Electric Power Canal has high flows and favourable mixing conditions Low potential to impact recreational and waterway use during construction and operation No impact to Hydro Electric Power Canal during operations Temporary impact on Hydro Electric Power Canal during construction 3. Collection Strategy: Existing system supports conveyance to this location Strategy supports existing Sewage Pumping Station decommissioning Supports Thorold South servicing Requires additional Sewage Pumping Station and long forcemain strategy for south growth areas Sewer alignments anticipated in road right-of-way 4. Financial Considerations: Plant construction costs same for all options Lifecycle costs benefit from Sewage Pumping Station decommissioning Outfall will have lower construction cost related to shorter length to reach Hydro Electric Power Canal Higher risk associated with future servicing strategy cost Overall strategy has similar costs to option 5 but less costly than options 1 & 8	1. Siting / Treatment: Minimal environmental features on the site Increased property acquisition risk associated with existing seasonal recreational use and hydro corridor Moderate potential for contaminated soil Low potential for cultural impact Smaller area may limit siting and flexibility Requires increased mitigation to buffer odour, air and noise 2. Outfall: Short outfall to Hydro Electric Power Canal Hydro Electric Power Canal has high flows and favourable mixing conditions Low potential to impact recreational and waterway use during construction and operation No impact to Hydro Electric Power Canal during operations Temporary impact on Hydro Electric Power Canal during construction 3. Collection Strategy: Strategy supports existing Sewage Pumping Station decommissioning Supports Thorold South servicing Requires additional Sewage Pumping Station and long forcemain strategy for south growth areas Sewer alignments anticipated in road right-of-way 4. Financial Considerations: Plant construction costs same for all options Lifecycle costs benefit from Sewage Pumping Station decommissioning Outfall will have lower construction cost related to shorter length to reach Hydro Electric Power Canal Higher risk associated with future servicing strategy cost Overall strategy has similar costs to option 4 but less costly than options 1 & 8	 Siting / Treatment: Minimal environmental features on the site Low potential for contaminated soil Good road access for construction and operations Low potential for cultural impact Large greenfield area to support siting and flexibility High potential to buffer odour, air and noise Outfall: Short outfall to Chippawa Creek Chippawa Creek has high flows and favourable mixing conditions Low potential to impact recreational and waterway use during operation No impact to Hydro Electric Power Canal during operations Temporary impact on Chippawa Creek during construction Collection Strategy: Deep trunk sewer provides future servicing flexibility Strategy supports existing Sewage Pumping Station decommissioning Maximizes gravity servicing of the south growth areas Deep trunk sewer will require increased tunneling complexity Supports Thorold South servicing Sewer alignments anticipated in road right-of-way Financial Considerations: Plant construction costs same for all options Outfall will have elevated construction costs related to water depth Higher upfront trunk sewer servicing costs Lifecycle costs benefit from Sewage Pumping Station decommissioning Lowest risk associated with future servicing strategy cost Overall strategy more costly than options 4 & 5 but is less costly than option 1 	
Impact	Least Preferred	Less Preferred	Less Preferred	Preferred	



Step 4: Preliminary Preferred Solution











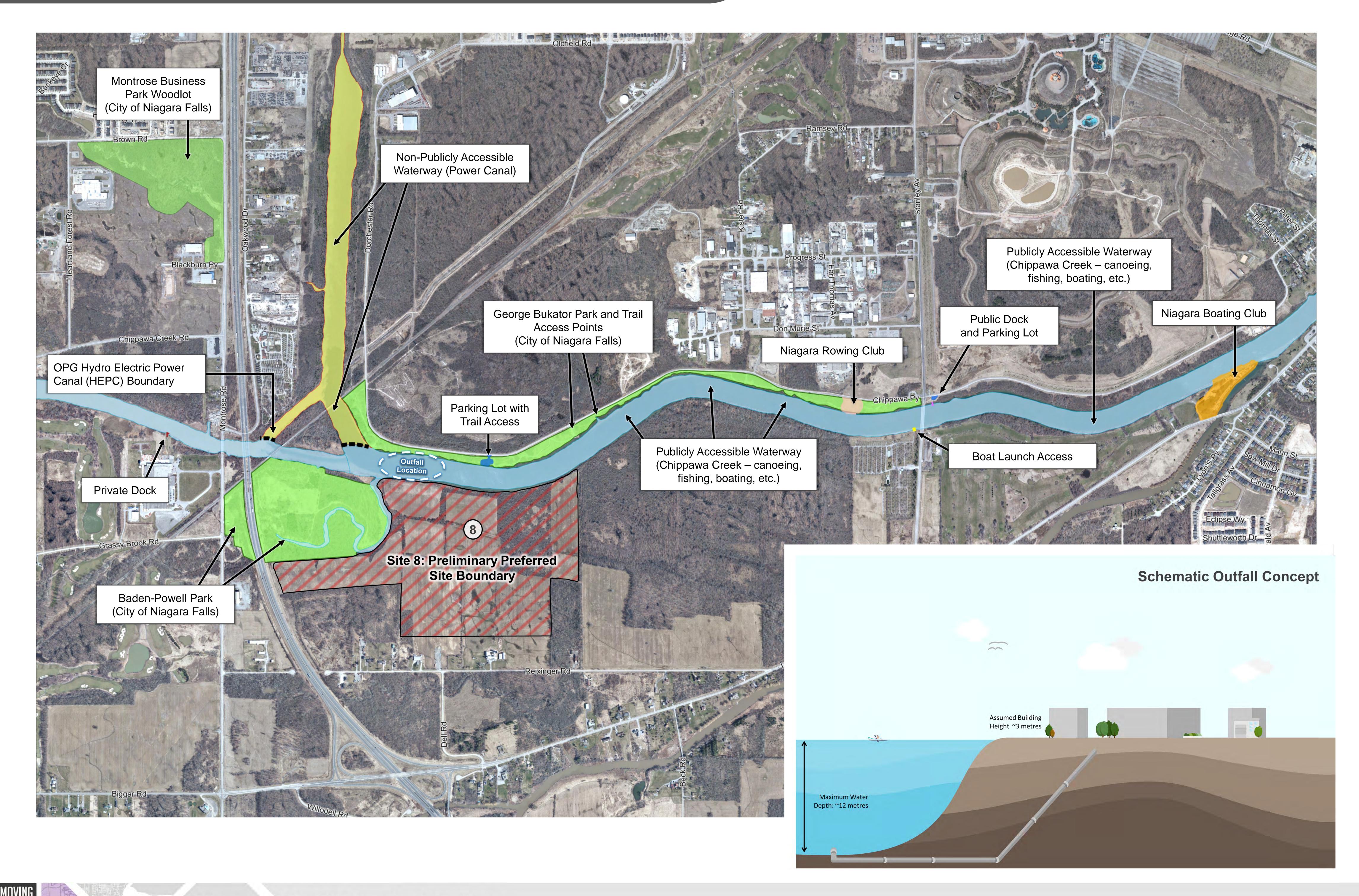






Public Accessibility



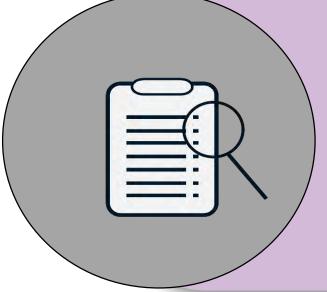






We Want to Hear from You!

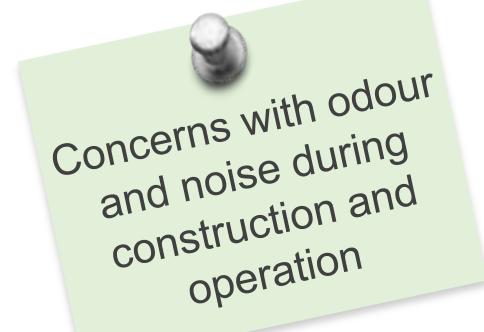




Get Engaged! Do you support the preliminary preferred solution? Is there anything else you'd like the team to consider? Using the sticky notes provided, please let us know your thoughts. Your feedback will be used to help inform the decision-making process.













Feedback received from previous Public Information Centres





Study Commitments



- The preliminary preferred solution has been selected based on multiple bottom line criteria and comparative evaluations
- Feedback from the PIC and from related agency and approval processes will be incorporated into development of the preferred solution
- Additional site specific investigations and studies will be completed in the next steps:
 - Stage 2 Archaeological
 - > Environmental Site Assessment Investigations including contamination
 - > Final Cultural Heritage Reports
 - > Detailed Geotechnical and Hydrogeotechnical investigations
 - Final Traffic Impact Assessment
 - Final Noise and Odour Mitigation Reports
 - Assimilative Capacity Study Update (outfall and water body) based on MECP feedback and specific details on the preferred location
 - > Updated Cost Estimates and Cost Benefit Analysis
- Using the site specific information, the preferred solution may be revised as appropriate before proceeding to development of the conceptual design details

The additional information is intended to support the selection of the preferred solution and guide the development of the design concepts. New information will be incorporated into the Class EA process.





Public Information Centre No. 4 – Fall 2020



The following information will be presented at our next Public Information Centre (anticipated for Fall 2020):

- 1. Site Specific Investigation and Results
- 2. Design Concept Evaluation and Selection
- 3. Treatment Plant and Site
 - Proposed location within the preferred site
 - Selection of preferred technologies and processes
 - > Preliminary layout of: tankage, buildings, hydraulic profile, treatment technologies, etc.
 - > Recommended wastewater effluent criteria
- 4. Outfall Location
 - Discharge location and design elements
 - Recommended methods of construction
- 5. Collection System
 - > Sewer alignments
 - Proposed methods of construction including tunnel shaft locations
- 6. Impacts, Mitigation and Approvals





Thank you for Participating, Please Stay Engaged!



Next Steps

- Review input provided on the preliminary preferred solution: Is there additional information the team should consider? Did the public and stakeholders generally agree with the presented material?
- Validate the preliminary preferred solution and initiate a review and evaluation of design alternatives
- Public Information Centre No. 4 in Fall 2020: Present the preferred conceptual design for the new Wastewater Treatment Plant, outfall, and collection system strategy

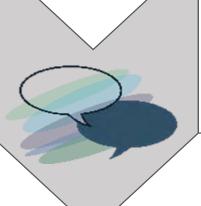
Schedule:



Today: Public Information Centre No. 3 (Present preliminary preferred plant site, outfall location and collection strategy)



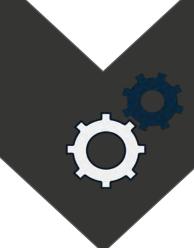
Spring / Summer 2020: Validate preferred solution and work through conceptual design



Fall 2020: Public Information Centre No. 4 (Select preferred design concept)



End 2020 / Early 2021: Environmental Assessment completion



2022: Post EA - Design & Construction

2027: Post EA - Estimated plant in-service date





We Want to Hear from You!



How to Stay Involved

- Sign up for project updates
- Attend a future Public Information Centre
- Submit an online feedback form or future survey
- Visit our website

www.niagararegion.ca/projects/south-niagara-falls-treatment-plant

Follow us on social media

www.facebook.com/niagararegion and www.twitter.com/niagararegion

Today

- Fill out the questionnaire and comment sheet
- We want to know if you are interested in active involvement or prefer to participate through project information updates

Do you have any questions, comments, or want to stay up to date? Please contact us anytime:

Lisa Vespi, P.Eng., PMP

Niagara Region Project Manager 3501 Schmon Parkway, PO Box 1042 Thorold, Ontario L2V 4T7

Tel: 905.980.6000 x 3640

Email: New.Treatment.Plant@niagararegion.ca

Chris Hamel, P.Eng.

GM BluePlan Project Manager 3300 Highway No. 7, Suite 402 Vaughan, Ontario L4K 4M3

Tel: 416.703.0667

Email: Chris.Hamel@gmblueplan.ca

Please note that information related to this study will be collected in accordance with the *Freedom of Information and Protection of Privacy Act*. All comments received will become part of the public record and may be included in the study documentation prepared for public review. If you require an alternative format of this material please contact the Niagara Region's Accessibility Coordinator at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca



