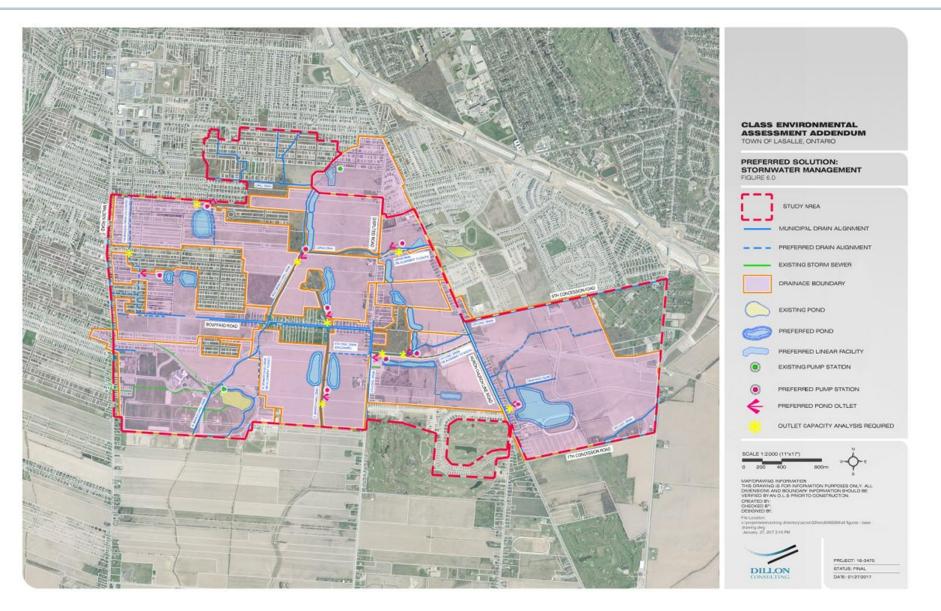
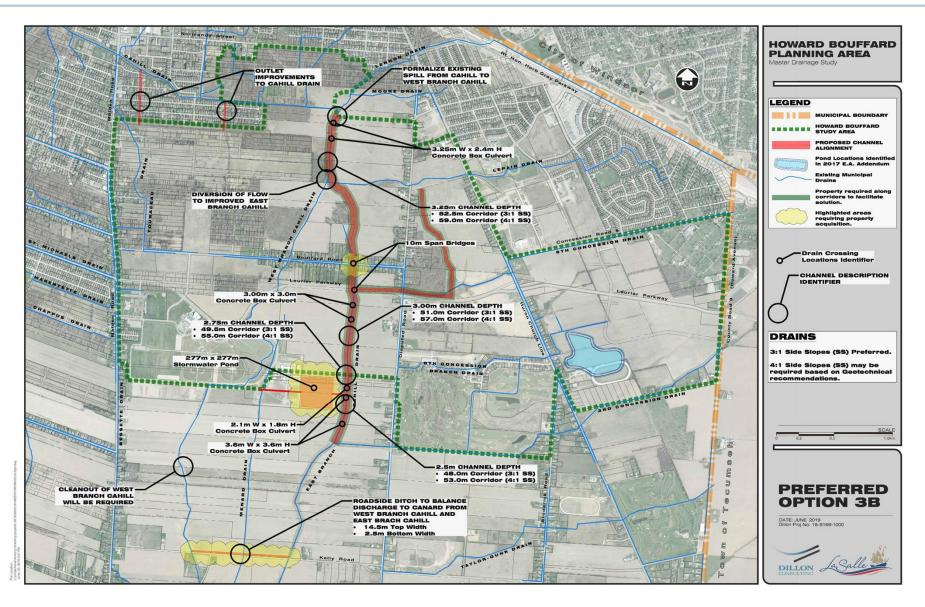
Stormwater Solution – 2017 EA Addendum





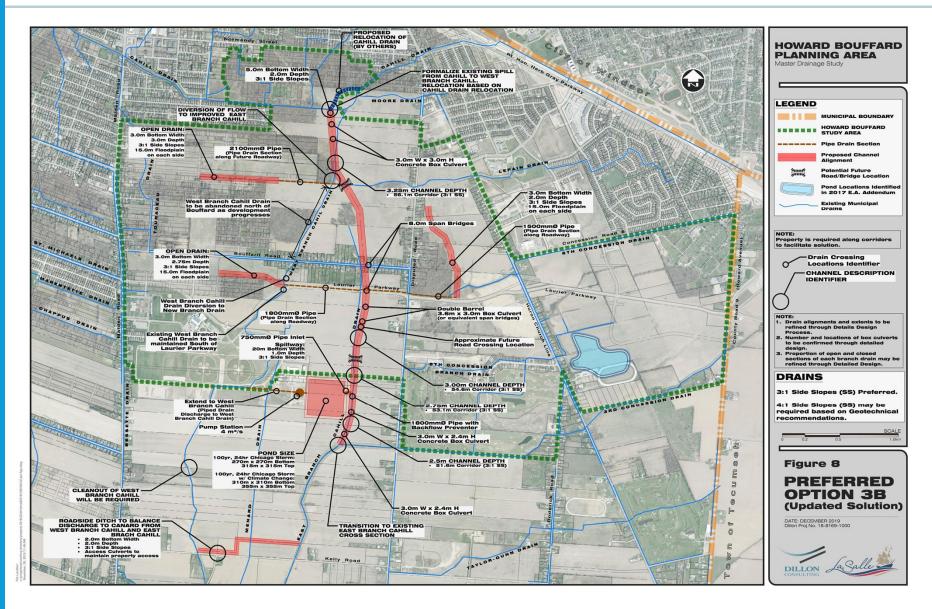
Recommended Solution (From PIC#1)





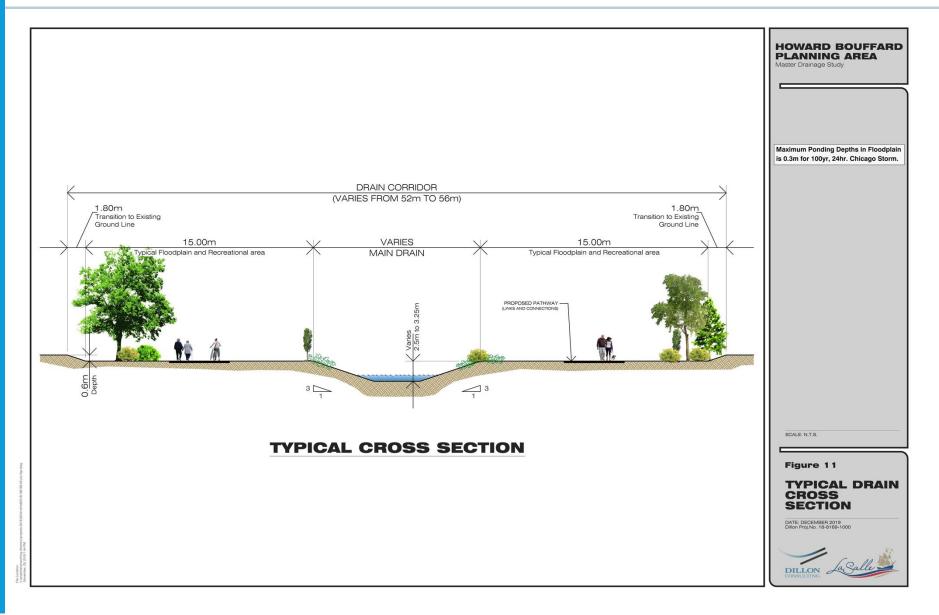
Revised Recommended Solution





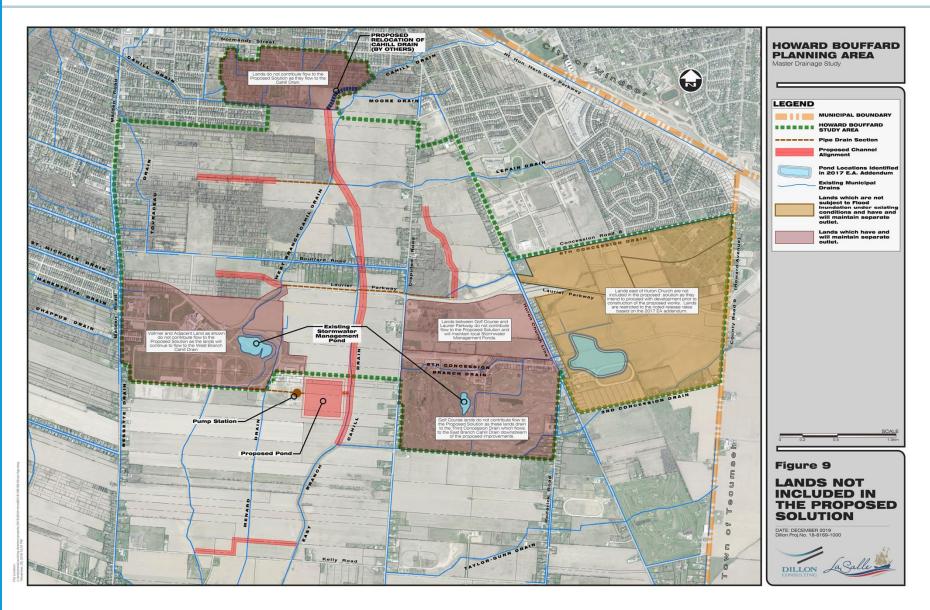
Recommended Cross Section





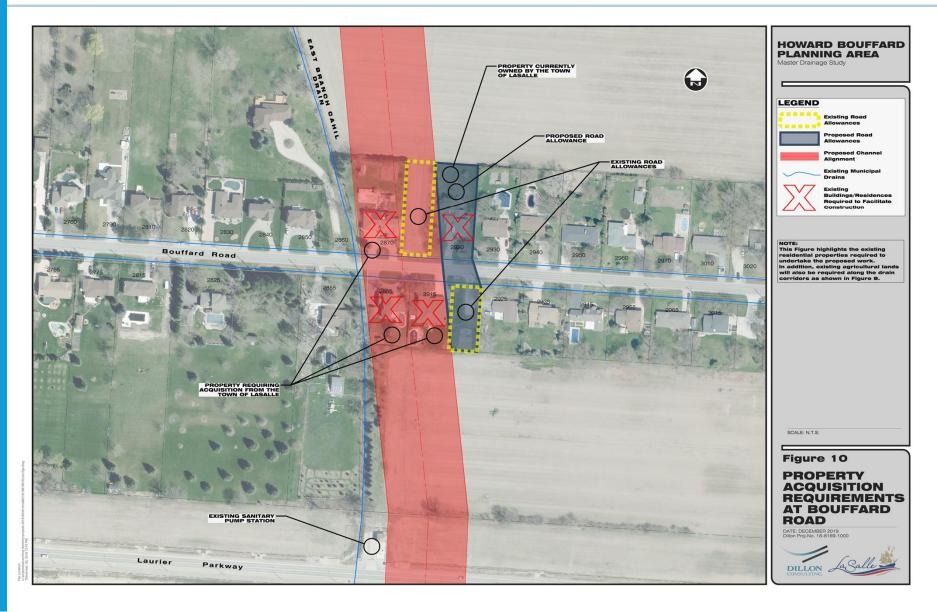
Lands Not Included in Proposed Solution





Property Acquisition Requirements – Bouffard Rd.







- Alternatives were subject to an Urban Stress Test
- Additional 42mm of rain over 24hrs
- Results in approximately 50% increase to storage requirements
 - Additional volume of approximately 157,000m³ for the recommended solution
 - Can also be addressed through depressing park lands and other green space
 - Ideal to locate parks along the drainage corridor
 - Stormwater benefits and connectivity to recreational areas along the corridor
- The more park land and other green space which can be used to provide storage will decrease the size of the Stormwater Pond accordingly.

Regional Pond Sizing Comparison

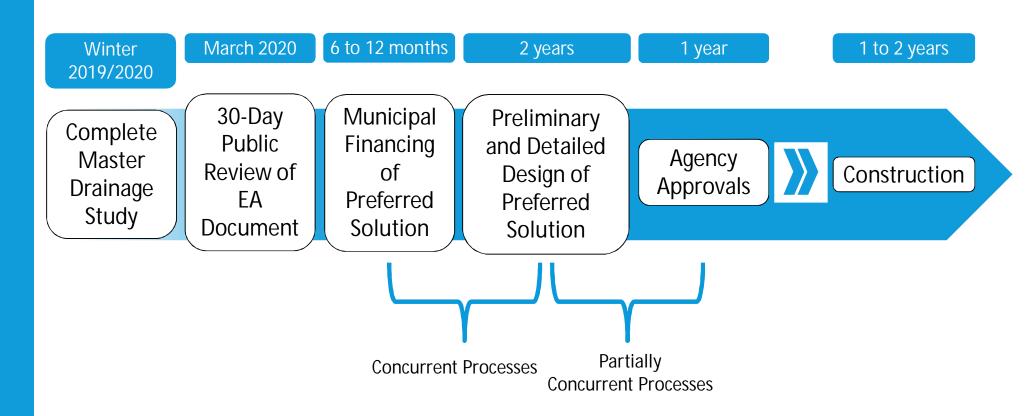


Option	Pond Footprint (m) Top of Bank	Storage Volume Required – 100yr24hr Chicago (m³)	Pond Depth (m)	Peak Water Depth (m)
Preferred Option #3B (From PIC #1) Excluding Climate Change	277 x 277	212,000	3.72	3.22
Preferred Option #3B (From PIC #1) Including Climate Change	310 x 310	324,000	4.0	3.87
Recommended Solution Excluding Climate Change	315 x 315	342,000	4.5	4.03
Recommended Solution Including Climate Change	355 x 355	499,000	4.5	4.49

§ 5:1 Side Slopes for Pond Banks (All Options)

Anticipated Project Timeline





* Steps beyond completion of the preliminary design require Council approval.



	CAPITAL COSTS (Millions)			BENEFITS		
	Construction	Engineering	Contingency	Total	# Ponds Eliminated	# Pump Stations Eliminated
Option 3B (PIC #1)	\$25.4	\$3.8	\$7.3	\$36.5	14	8
Recommended Solution	\$36.3	\$4.5	\$8.2	\$49.0	12	7

- Excludes land acquisition costs
- Excludes park land and green areas utilized for climate change resiliency
- Excludes future bridge crossings
- There may be an opportunity to reduce the estimated cost by keeping the excavated material onsite. This will be reviewed further through the design phases of the project.

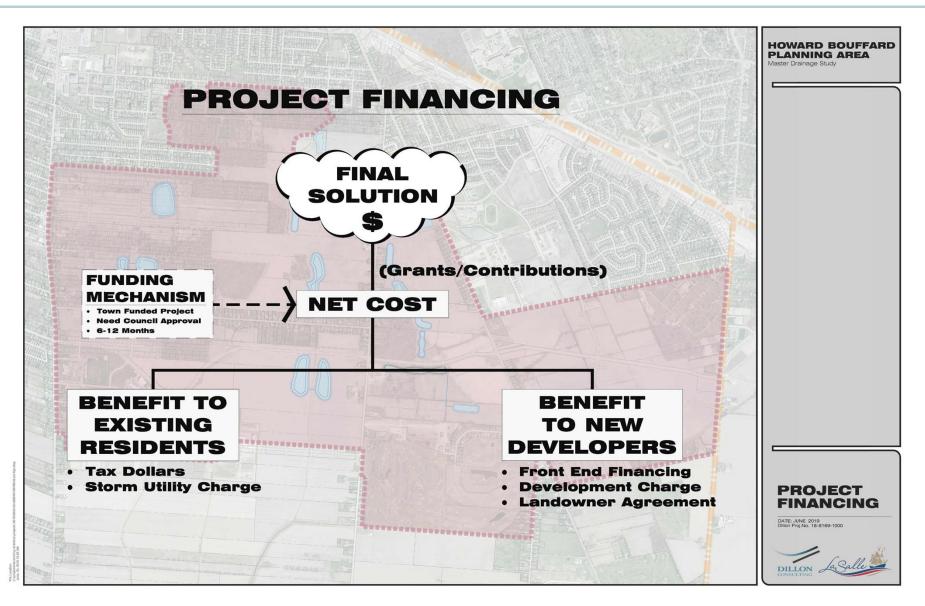
Estimated Construction Cost for Proposed Improvements reduced by:



- LESS Costs for Construction of Local Stormwater Ponds
- **LESS** Costs for Local Pump Stations

Project Financing







Feedback from the public and the development community is vital as it will directly influence the recommended solution.

- Comment forms have been provided and can be submitted at or following this PIC
- Stakeholders may contact the project leads via mail, email or phone

Please provide us with your comments by:

January 31, 2019





	2019 2020		
	Winter	Spring	Summer
Receive Feedback From this Meeting (PIC)			
Complete EA Report and Make Available for Public Review			
Preliminary Design of Recommended Solution			
Council Consideration of Next Steps			

Thank you for attending.

If you have any questions about this project, please fill out the comment sheets or contact either of the individuals listed below.

Project Website http://www.lasalle.ca/hbmds	Mark Hernandez, P.Eng. Project Manager Dillon Consulting Limited 3200 Deziel Drive, Suite 608 Windsor, ON N8W 5K8 Tel: 519.948.4243, ext. 3242 Email: <u>HowardBouffard@dillon.ca</u>	Peter Marra, P.Eng. Director of Public Works Town of LaSalle 5950 Malden Road LaSalle, ON N9H 1S4 Tel: 519.969.7770, ext. 1475 Email: <u>pmarra@lasalle.ca</u>
--	---	--