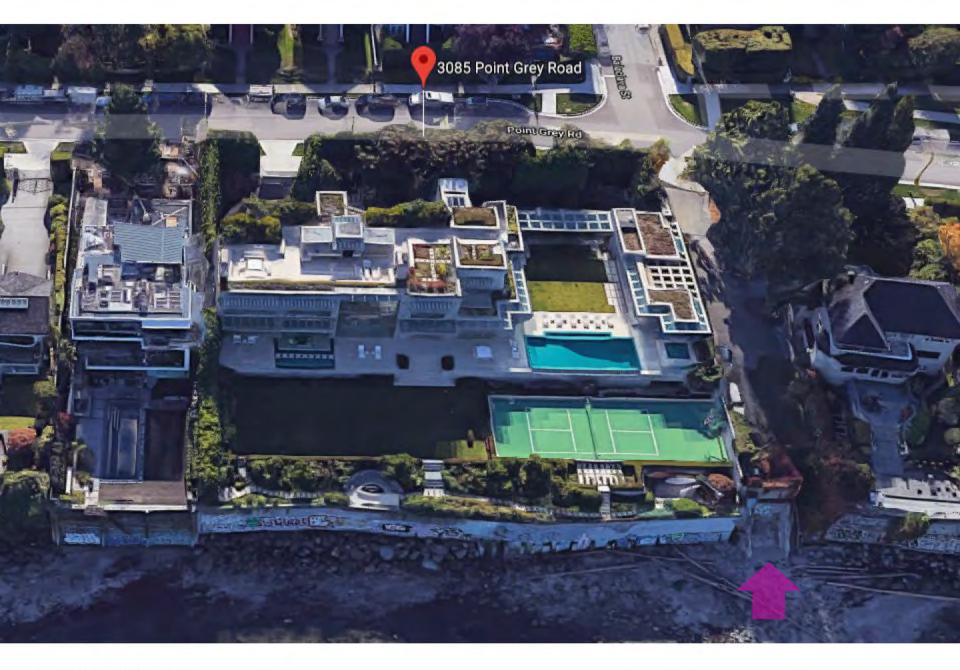




3085 Point Grey Rd. in Kitsilano. PHOTO BY NICK PROCAYLO /PNG

1. 3085 Point Grey Rd. - \$74.09 million

Source: Vancouver Sun

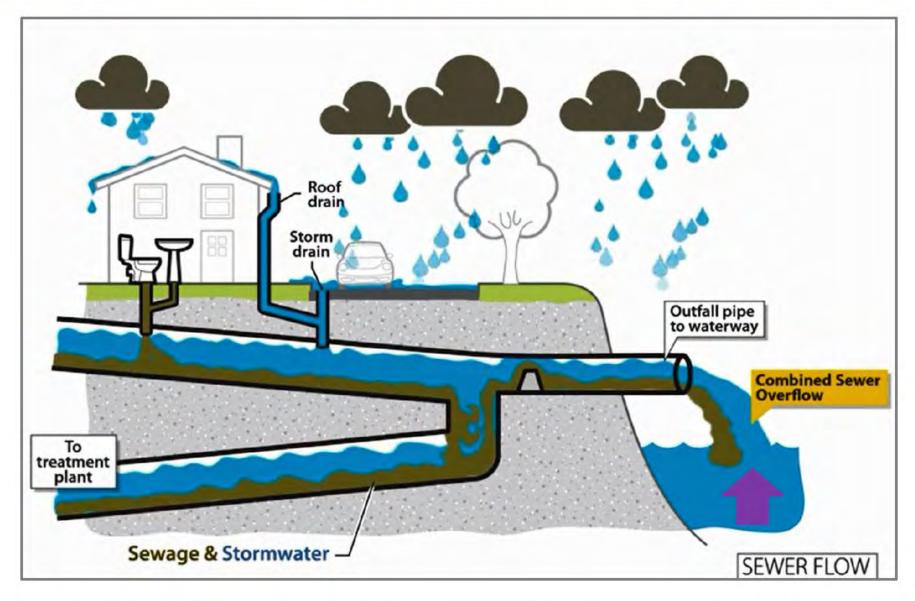


Source: Google Maps



Source: Metro Vancouver

10% of Vancouver's sanitary sewage is discharged as CSOs



Source: Seattle Public Utilities, atyourservice.seattle.gov/2019/04/23/tunneling-our-way-to-cleaner-waters/

38,000,000,000 litres in CSOs (2020)

Vancouver's Sunset Beach closed to swimmers due to E. coli levels

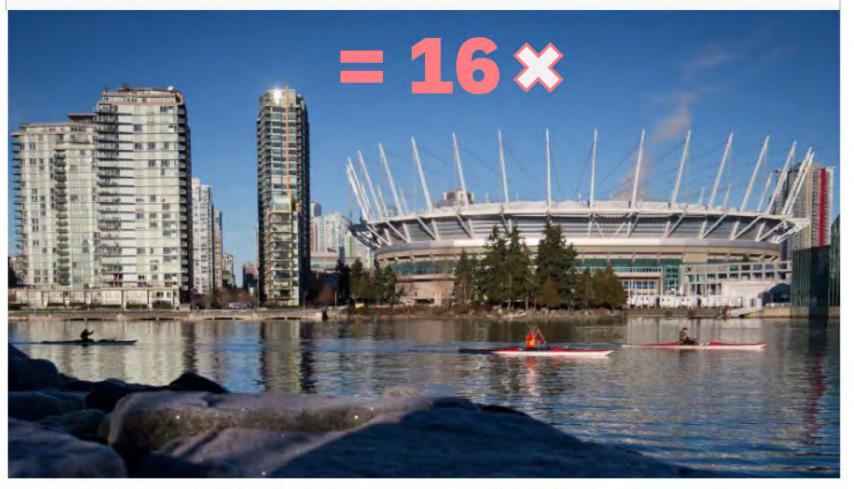
By The Canadian Press Sun., Aug. 9, 2020 | §1 min. read



Source: thestar.com/vancouver/2020/08/09/vancouvers-sunset-beach-closed-to-swimmers-due-to-e-coli-levels.html

38,000,000,000 litres in CSOs (2020)

Vancouver's Sunset Beach closed to swimmers due to E. coli levels



Source: cbc.ca/news/canada/british-columbia/bc-place-rename-1.5006138 (The Canadian Press / Darryl Dyck)

Français

MENU *

Fisheries and Oceans Canada Pacific Region

Fisheries

Shellfish contamination

Closed 50+ years (since 1972)

Area 28 - Sanitary contamination closures

Important!

Eating contaminated shellfish can make you very sick. It can even be life threatening. Cooking shellfish does not destroy all biotoxins.

The shellfish you harvest and eat should always come from an open area. When an area is officially "closed," it is both illegal and unsafe to harvest shellfish from that area. It is your responsibility to know where you are planning to harvest and to find out if the species you wish to harvest is open in that area.





Caralatine Casaffeed





VANCOUVER, BRITISH COLUMBIA, FRIDAY, JUNE 13, 1969

*** PRICE 10 CENTS , A MATHEMA

CLOCK TURNED BACK TO STALINISM

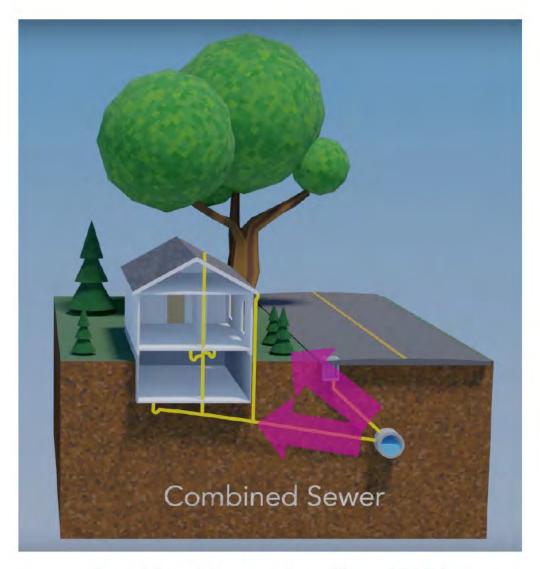
Mayor 'Proves' Beaches Safe With 15-Minute Dip at Kitsilano



"frolic in the fecal surf"



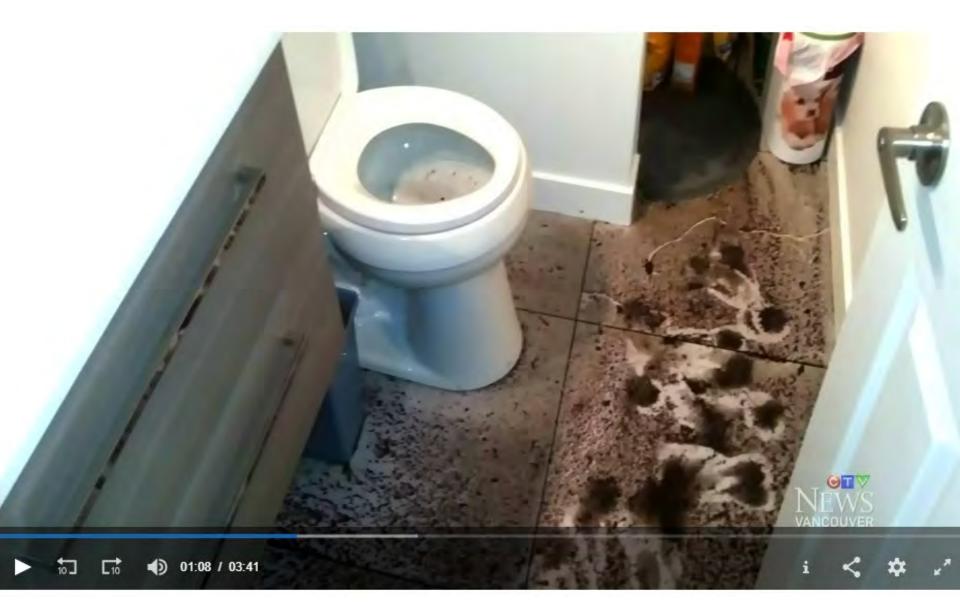
Source: Vancouver Sun, June 13 & 14, 1969



Combined Sewer Overflow (CSO)

Source: City of Hamilton, ON youtube.com/watch?v=iewH6iJMtS0

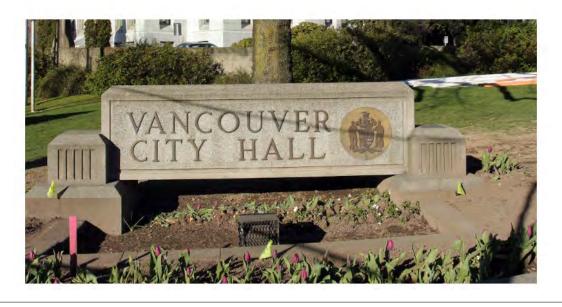




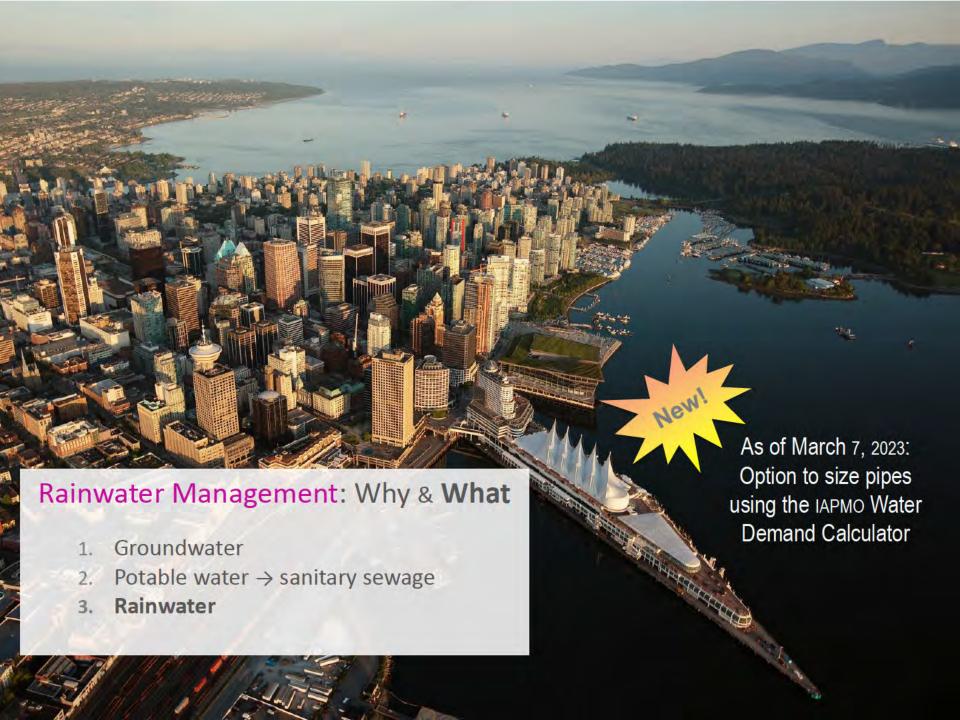
Cambie Corridor neighbourhood, Vancouver Source: bc.ctvnews.ca/video?clipId=415780

Without sewer reinvestments, Vancouverites might be unable to flush toilets in 20 years





"The City's sewer infrastructure ... is deteriorating at a more rapid rate than sewer renewal ... growing inventory of sewer assets in poor and very poor condition." $(21\% \rightarrow 29\% \text{ in the next decade})$



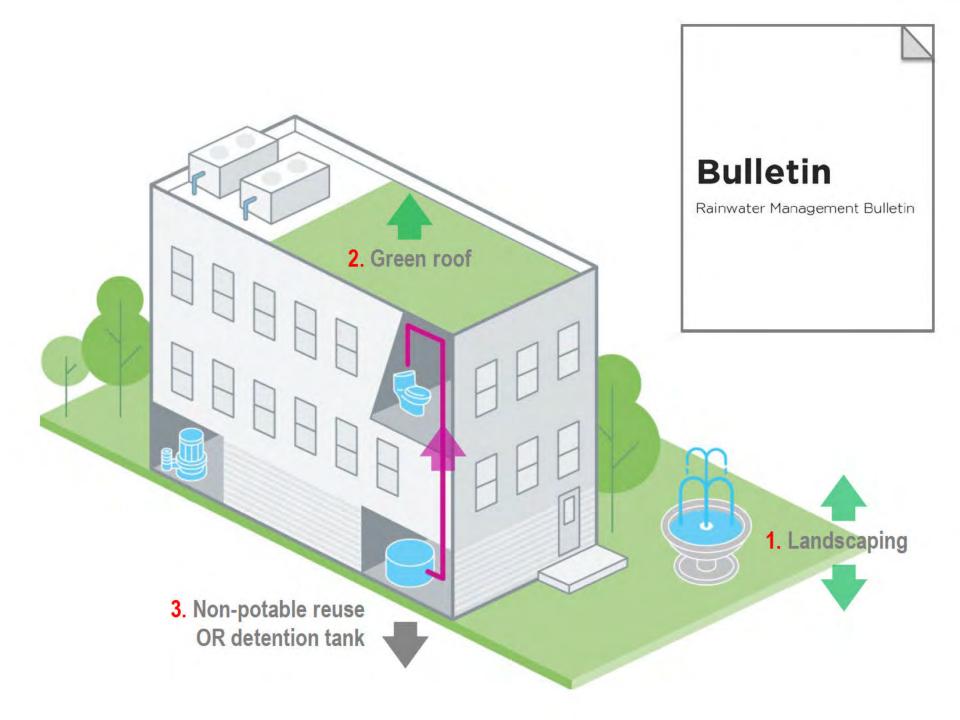


Table 3: Required Documentation at Each Development Stage

	CD-1 Rezoning	Development Permit	Building Permit	Occupancy Permit
Preliminary RWMP	X			
Complete RWMP		X		
Final RWMP			X	
Rainwater Management Agreement		X		
O&M Manual			X	
Rainwater Management Project Summary Form ¹	Х	х	Х	
Sealed Letter				X

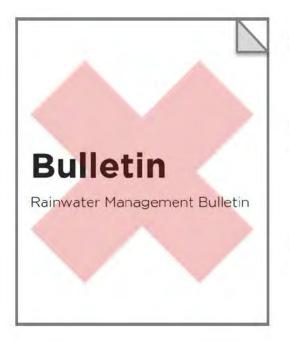
Bulletin

Rainwater Management Bulletin

- Retain/detain 24 mm
 of rainwater in 24 hours.
- Peak release rate no greater post-development than pre-development.
- Treat 24/48 mm of rainwater (80% total suspended solids removal).

able 3: Required Documentation at Each Development Stage

Proposed	CD-1 Rezoning	Development Permit	Building Permit	Occupancy Permit
Preliminary RWMP	X			
Complete RWMP	V.	X		
Final RWMP	-	1	X	
Rainwater Management Agreement		X		
O&M Manual			X	
Rainwater Management Project Summary Form ¹	×	×	Х	
Sealed Letter				X



- Retain/detain 24 mm
 of rainwater in 24 hours.
- Peak release rate no greater post-development than pre-development.
- Treat 24/48 mm of rainwater (80% total suspended solids removal).





Development, Buildings & Licensing **Building Policy Branch**

osed Plumbing Requirements for New Buildings: anagement and Public Health Protection Measures

Dear stakeholder.

The City of Vancouver is proposing plumbing-related updates for new construction which would affect new developments city-wide. This letter is to invite your feedback. The proposals are expected to help simplify Development Permit issuance, relieve sewer system capacity constraints, and protect public health. This letter is divided into three sections, and you may choose to comment on one or more sections.

SECTION 1 - On-Site Rainwater Management (page 2)

Presently, certain new developments must provide a rainwater management plan. The proposal is to radically simplify the existing process: On January 1, 2024, rainwater requirements would transition out of the Zoning and Development By-law into the Vancouver Building By-law, and would be applied to all new Part 3 (complex) buildings. Existing permit applications would be protected in the transition.

SECTION 2 - Storm Water Use (page 5)

For new developments choosing to install a non-potable water system, the proposal allows for the use of storm water without an Alternative Solution application.

SECTION 3 - Hot Water Temperatures (page 6)

To lower the risk of Legionella pneumophila infections, minimum hot water temperatures are proposed, in alignment with best practices.

To provide your feedback, please submit written comments by April 3, 2023 by mail or e-mail to chris.radziminski@vancouver.ca. You are also invited to a free webinar on March 23, 2023 to learn more about the proposals. Register here.

Yours truly.

Christopher Radziminski, P.Eng., R.P.Bio. **Building Policy Engineer** 604.873.7453 chris.radziminski@vancouver.ca

Andrew Power Project Manager 604.871.6125 andrew.power@vancouver.ca

City of Vancouver, Development, Buildings & Licensing **Building Policy Branch** 515 W 10th Avenue Vancouver, British Columbia V5Z 4A8 Canada



This week:

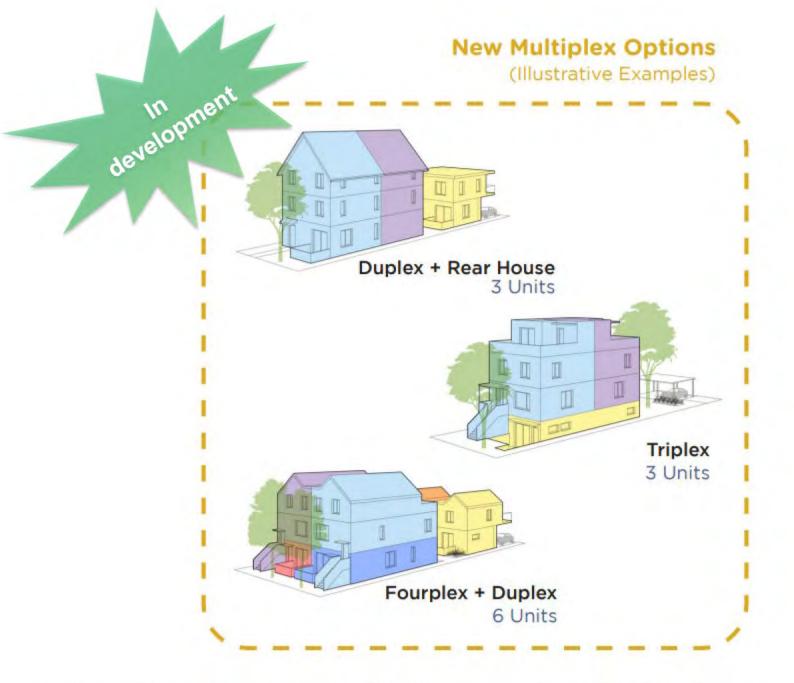
Stakeholder consultation letter. One month comment period. Refinement of proposals.

June & July 2023:

Referral Report to City Council. Public Hearing. **Enacting By-laws.**

January 1, 2024:

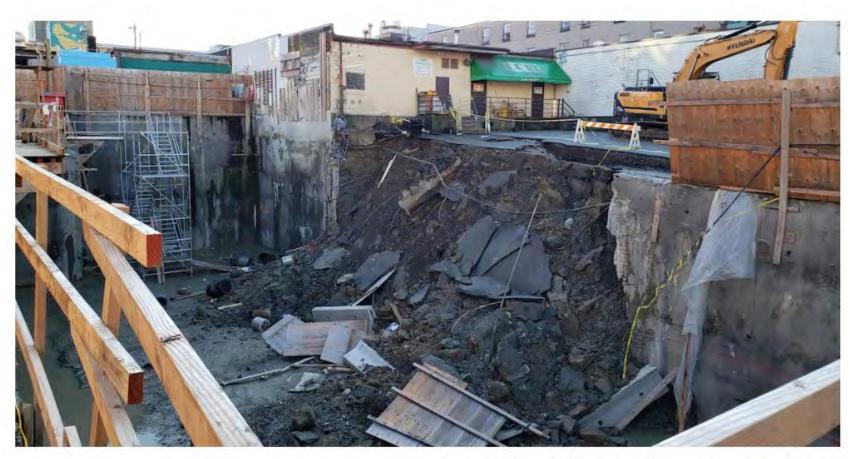
New regulations in effect, with "in-stream" application protection (similar to 2014→2019 VBBL transition).



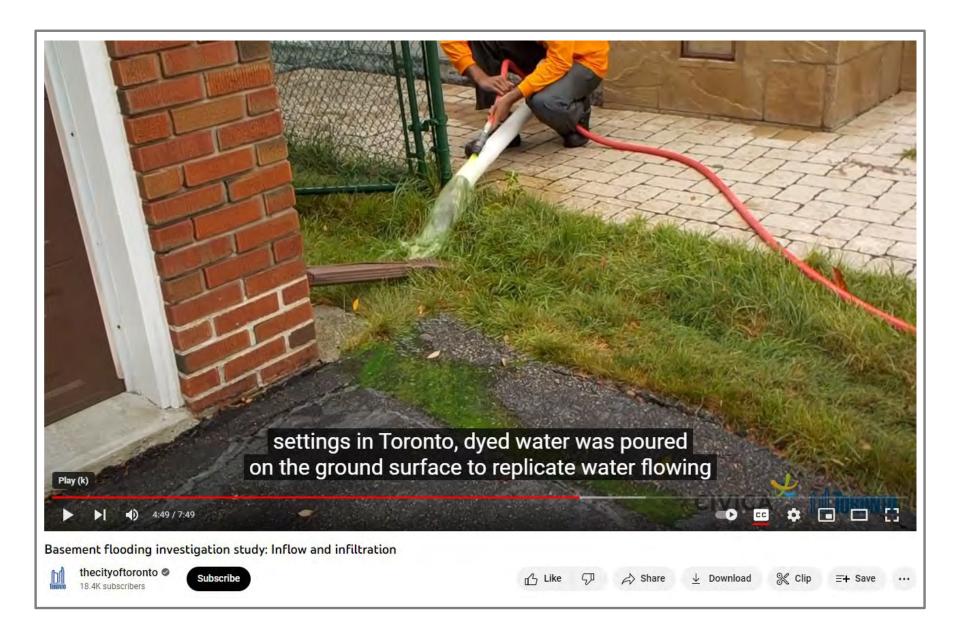
Congee Noodle House ordered to close after construction cave-in (PHOTOS)



Kenneth Chan | Feb 1 2020, 11:40 pm



Site of the construction pit collapse at 138 East 8th Avenue, Vancouver. (Kenneth Chan / Daily Hive)



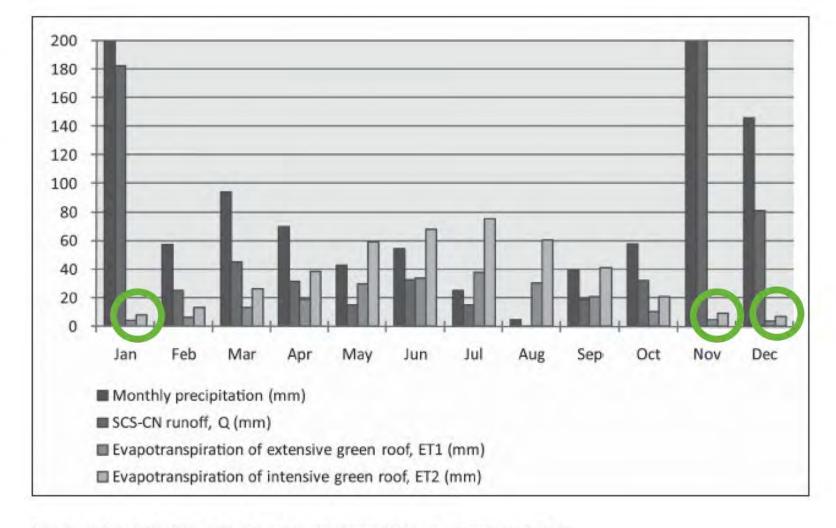
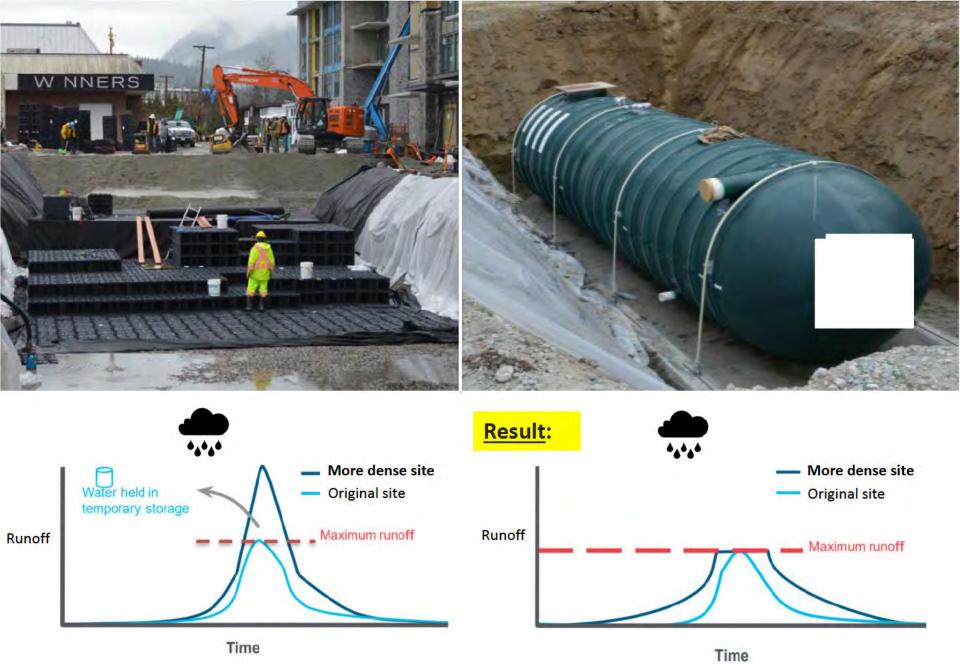


Figure 2. Precipitation, runoff, and evapotranspiration – Vancouver, BC.

".... results calculated for Vancouver, the proposed green roofs ... can reduce summer runoff by 95%, winter runoff by 8%, and annual runoff by 29%."

Source: Roehr & Kong (2010) Runoff Reduction Effects of Green Roofs in Vancouver, BC, Kelowna, BC, and Shanghai, P.R. China, Canadian Water Resources Journal 35:1, doi.org/10.4296/cwrj3501053



Sources: BARR Plastics, graphs adapted from Wellington Water (NZ)





Table 2 - Sewer Utility Rate Outlook 2023-2027

Sewer Utility Rate Forecasts	2023	2024	2025	2026	2027	By 2027:
Metro Rate Increase	6.6%	23.9%	25.4%	18.0%	11.7%	
Proposed City Rate Increase	15.0%	15.0%	15.0%	15.0%	15.0%	↑ 101%

Table 2 – Water Utility Rate Outlook 2023-2027

Water Utility Rate Forecasts	2023	2024	2025	2026	2027	
Metro Rate Increase	2.8%	9.0%	13.8%	12.8%	13.8%	A
Proposed City Rate Increase	3.0%	8.0%	8.0%	9.0%	10.0%	144%

Sources: BARR Plastics, council.vancouver.ca/20221129/documents/spec1c.pdf, and council.vancouver.ca/20221129/documents/spec1b.pdf

Contact & Questions

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Phillip White

City of Vancouver, Manager, Plumbing & Mechanical Inspections 604 873 7609, phillip.white@vancouver.ca

