

From: "Johnston, Sadhu" <Sadhu.Johnston@vancouver.ca>

To: "Direct to Mayor and Council - DL"

CC: "City Manager's Correspondence Group - DL"
"Dobrovolny, Jerry" <jerry.dobrovolny@vancouver.ca>

Date: 6/4/2019 5:04:31 PM

Subject: Memo - 12th Avenue Water Main Replacement: Guelph to Fraser - Full Road Closure

Attachments: Memo - 12th Avenue Water Main Replacement Guelph to Fraser - Full Road C....pdf

Dear Mayor and Council,

Please see the attached memo from Jerry Dobrovolny. A short summary of the memo is as follows:

- Construction to facilitate emergency water main replacement on 12th Avenue between Guelph Street and Fraser Street will begin July 2nd and is scheduled for completion August 31st.
- A full road closure is required from Kingsway Avenue to Fraser Street to accommodate the construction.
- The selected alignment ensures the retention of all trees along the corridor while also being the quickest and most cost effective option to construct.
- Residents and businesses located near this work will be receiving mail notifications within the week.
- Due to the emergent nature of this work it should be noted that it was not included in the City's Annual Summer Construction media event, and no information has been communicated to the public as of yet.

If you have any questions, please feel free to contact Jerry Dobrovolny at 604-873-7331 or jerry.dobrovolny@vancouver.ca.

Best
Sadhu

Sadhu Aufochs Johnston | City Manager
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Pronouns: he, him, his



The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the Musqueam, Squamish, and Tsleil-Waututh peoples.

MEMORANDUM

June 4, 2019

TO: Mayor and Council

CC: Sadhu Johnston, City Manager
Paul Mochrie, Deputy City Manager
Lynda Graves, Administration Services Manager, City Manager's Office
Rena Kendall-Craden, Civic Engagement and Communications Director
Katrina Leckovic, City Clerk
Neil Monckton, Chief of Staff, Mayor's Office
Alvin Singh, Communications Director, Mayor's Office
Anita Zaenker, Chief of Staff, Mayor's Office

FROM: Jerry Dobrovolny
General Manager, Engineering Services

SUBJECT: 12th Avenue Water Main Replacement: Guelph to Fraser – Full Road Closure

This memo is to inform Mayor and Council that a full road closure of East 12th Avenue from Kingsway to Fraser Street will be required this summer to facilitate an emergency water main replacement from Guelph to Fraser Street (Figure 1). Construction is expected to take place from July 2 to August 31, 2019.

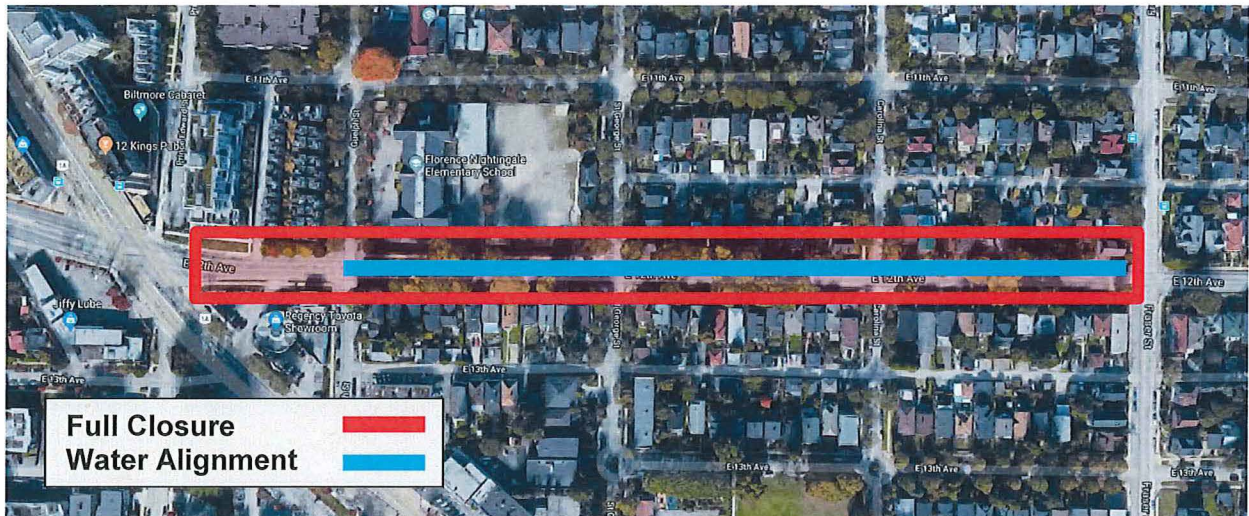


Figure 1 – Closure in relation to water alignment

Installed in 1906, the section of water main between Guelph and Fraser Street was recently discovered to be in critical condition after a series of leaks occurred over a period of four days this past spring. Waterworks crews conducted a visual inspection of the pipe and confirmed that the main has reached the end of its service life and is in need of urgent replacement (Figure 2).

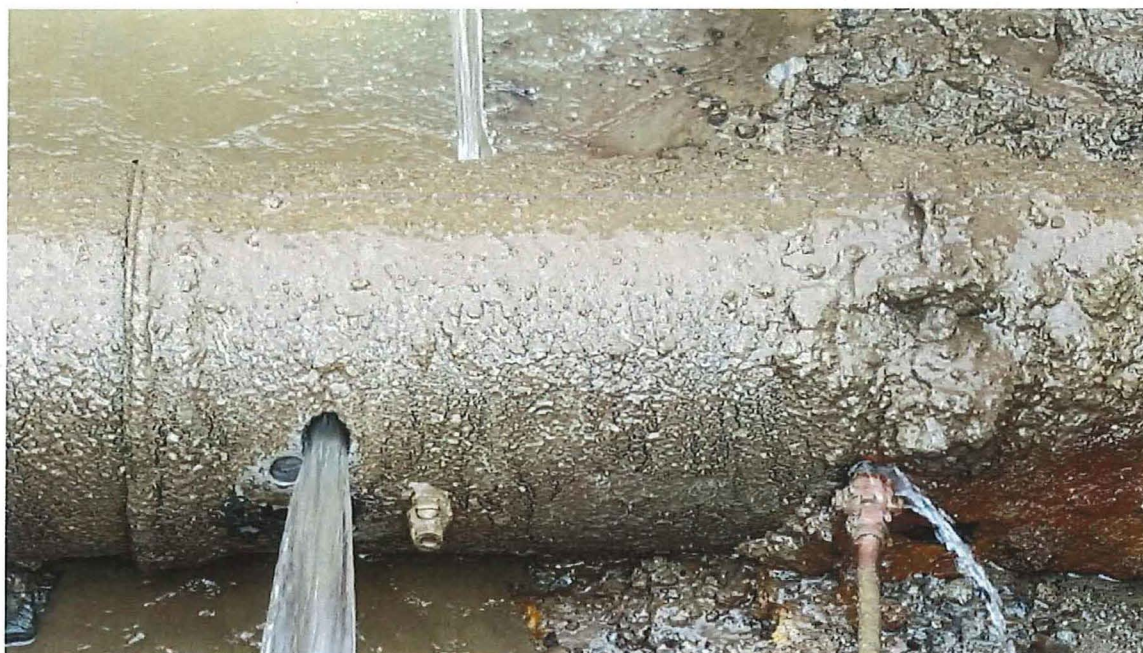


Figure 2 – Photo of Water Main

To replace the main, Engineering staff in the Water Design Branch conducted a thorough review of several alignments, analyzing construction duration, cost, and public impact. The selected alignment ensures the retention of all trees along the corridor while also being the quickest and most cost effective option to construct.

All alignments reviewed required the same amount of work space to facilitate construction safely. Lane widths along this section of 12th Avenue are below standard at 2.4 metres, deviating from the typical 3.5 m, leaving very little room in the roadway for the excavated trench, heavy equipment, and materials. Given the nature of this corridor, Engineering staff in the Traffic and Data Management Branch have advised that the safest traffic management plan to facilitate construction is a full road closure from Kingsway to Fraser along 12th Avenue.

To limit the duration of the closure, crews will work extended hours to expedite the schedule, keeping the duration of the closure to the summer months.

Due to the emergent nature of this work it should be noted that it was not included in the City's Annual Summer Construction media event, and no information has been communicated to the public as of yet. Public notification letters will be distributed to the community in advance, with a broader announcement to inform the commuting public.

If you have any questions or would like more information on this project, please contact me directly.

A handwritten signature in blue ink, appearing to read 'J. Dobrovlny', with a stylized flourish at the end.

Jerry W. Dobrovlny, P.Eng, MBA
General Manager, Engineering Services

604.873.7331 | jerry.dobrovlny@vancouver.ca