

IMPORTANT INFORMATION

Please have this translated

RENSEIGNEMENTS IMPORTANTS

Prière de les faire traduire

重要資訊 請找人為你翻譯

重要资讯 請找人為你翻譯

MAHALAGANG KAALAMAN

Mangyaring isalin ito

ਜ਼ਰੂਰੀ ਜਾਣਕਾਰੀ

ਕਿਰਪਾ ਕਰਕੇ ਕਿਸੇ ਕੋਲੋਂ ਇਸ ਦਾ ਉਲਥਾ ਕਰਵਾਓ

TIN TỨC QUAN TRỌNG

Xin hãy dịch sang tiếng Việt

INFORMACIÓN IMPORTANTE

Busque a alguien que le traduzca

중요정보 번역해주세요

اطلاعات مهم لطفا درخواست کنید
این اطلاعات را برای شما ترجمه کنند

March 16, 2020

Dear Resident and/or Business Owner:

RE: Pine Street Upgrades

This summer, the City of Vancouver will be undertaking critical infrastructure upgrades along Pine Street from West 4th Avenue to West 8th Avenue. This work will coordinate a number of transportation and green rainwater infrastructure (GRI) improvements with the replacement of approximately 300m of sewer to better serve residents in the Fairview neighborhood.

As part of the project, there will be some changes made to the street to improve conditions for people walking and cycling, and reduce motor vehicle volumes on Pine Street. These changes are summarized in the attached map (Diagram 1) and include the following:



Diagram 1: Infrastructure improvements

- **Closure on Pine Street between 6th Avenue and the Arbutus Greenway.**
 - The closure will reduce motor vehicle traffic volumes on Pine Street while maintaining access for people walking and cycling along the Arbutus Greenway and on Pine Street. The initial closure will involve temporary concrete barriers. If successful, the closure will be made permanent with the completion of the park at 6th and Fir St.

- **Construction of curb bulges at the intersections of Pine Street/ 7th Avenue and Pine Street/8th Avenue.**

- Curb bulges provide space for green rainwater infrastructure initiatives, such as *bioretention gardens* (additional information below), can improve the crossing experience for people walking, and may reduce motor vehicle speeds. Curb bulges improve visibility between people walking, cycling and driving and may require the removal of 1-2 parking spaces to provide enough space for water infiltration.
- Two existing bulges will be modified, and five new bulges built, for a total of seven curb bulges on right side of the road on the approach to an intersection. A typical intersection design is shown in Diagram 2.



Diagram 2: Typical intersection design with curb bulges

- **Removal of the traffic circle at Pine St and 8th Ave.**

- The closure at the Arbutus Greenway will reduce motor vehicle short-cutting on Pine Street and the additional curb bulges will provide traffic calming benefits and improve the experience for people walking by narrowing the crossing distance between curbs.
- The traffic circle will not be replaced after it is removed during the sewer upgrades.

Green Rainwater Infrastructure Initiatives

Green rainwater infrastructure is a new approach to rainwater management that uses both engineered and ecosystem-based practices to protect, restore and mimic the natural water cycle. It uses soils, plants, trees and built structures such as blue-green roofs, swales, rainwater tree trenches and rain gardens to capture, store and clean rainwater before being absorbed in the ground or returning it to our waterways and atmosphere.

A bioretention garden (Diagram 3) is a type of rain garden that helps reduce runoff volume and improve water quality from streets and sidewalks by capturing, filtering, and absorbing rainwater using soils, stone layers, and plants. Bioretention gardens are designed and engineered as a part of the City's rainwater management system. They are connected to catch basins, which help carry excess rainwater into the pipe system.

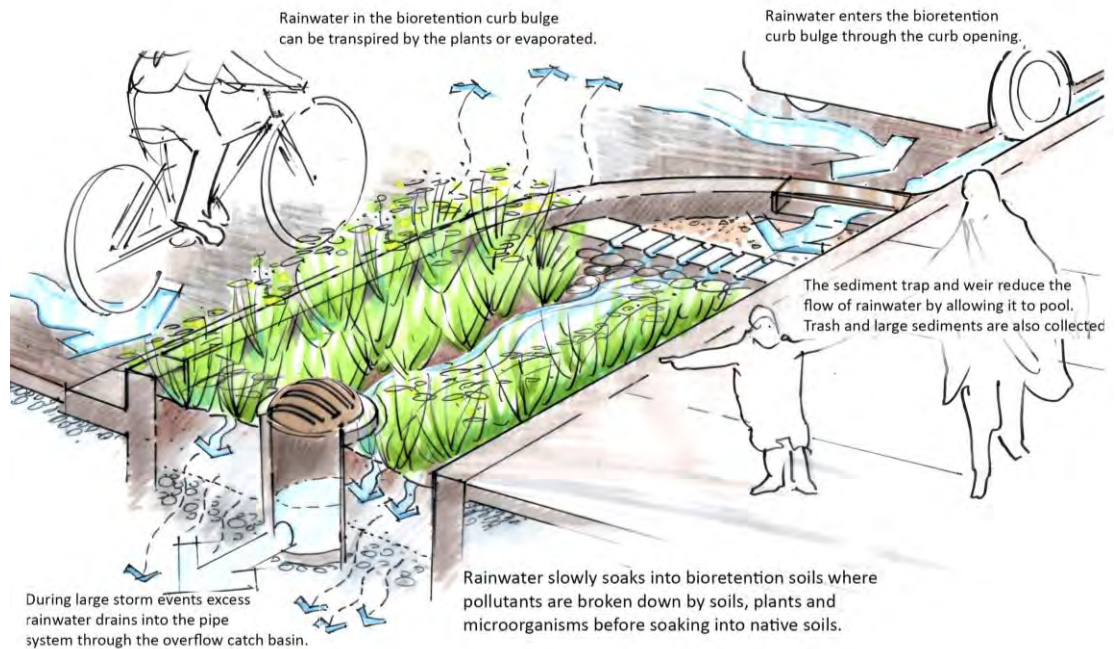


Diagram 3: Illustration of bioretention rain garden



Diagram 4: Curb bulge with green rainwater infrastructure

For more information about the project, please visit: vancouver.ca/pinestreetupgrades. Should you have any questions or comments related to these improvements, please contact our team by:

- Email at pinestreetupgrades@vancouver.ca
- Through online services in the VanConnect app
- By calling 3-1-1

Sincerely,

Pine Street Upgrades Project Team,
Engineering Services, City of Vancouver