



February 24, 2015

Judy Hoad  
Planning and Development  
Parkdale Community Association  
3512 – 5 Avenue N.W.  
Calgary, AB T2N 0V7

Dear Ms. Hoad:

**Re: Parkdale Blvd at 3 Ave N.W. (Parkdale) Bow River Bank Restoration**

The City of Calgary, Water Resources would like to share information on an upcoming river erosion protection project with you. Below is information on a project in your community. As well, we ask for your help to share this information with Parkdale residents by including a short write-up, provided below, in the community newsletter and on your website. Project updates, as more information becomes available, will be shared with you and posted on [calgary.ca/waterprojects](http://calgary.ca/waterprojects).

**Project summary**

In the June 2013 flood event, a portion of the river bank along the Bow River along Parkdale Blvd. saw significant over-steepening due to erosion. Approximately 580m of river bank was impacted, including a number of outfalls.

We are proposing to use a combination of riprap along the toe of the river bank and a vegetated timber crib wall to restore the riverbank and stabilize the slope. Vegetated timber crib walls are designed to be aesthetically pleasing while increasing habitat value and providing immediate bank stability and protection from erosion. The wall consists of box-like interlocking arrangement of timbers filled with suitable backfill material. Open spaces between the interlocking structures are layered with willow or dogwood cuttings that root inside the crib structure and extend into the bank. As these roots grow, they further bind the soil, provided long-term stability. For more information on a vegetated crib wall, please see the illustration provided below.

**Description**

- The construction site is along the south side of Parkdale Blvd, between 34 Street N.W. and 28 Street N.W. The site extends from the existing Bow River Pathway to the river.
- The proposed permanent riverbank restoration involves construction of a temporary pathway, placement of approximately 600m of riprap along the toe of the restoration, construction of approximately 500m of timber crib wall, repairs of three existing storm outfalls, and construction of a new pathway.

**Construction Duration**

Construction is planned to start on April 6 and is expected to take up to ten weeks to complete.

**Community Newsletter Write-up and Website Update**

In the June 2013 flood event, a portion of the river bank along the Bow River along Parkdale Blvd. saw significant over-steepening due to erosion. The City will be working to restore the river bank and stabilize the slope starting April 6 during the legislated fish window. Construction is expected to take up to ten

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weeks to complete. Our construction site will be along the south side of Parkdale Blvd, between 34 St. and 28 St. N.W. The site extends from the existing Bow River Pathway to the river (see map attached). Construction impacts will be kept to a minimum. However, residents should expect traffic impacts along Parkdale Blvd, with flag personnel available to guide construction traffic in and out of the site.

A temporary pathway will be constructed to allow the pathway to remain open for the duration of the construction. To restore and stabilize the riverbank it will be necessary to remove approximately 21 trees along the riverbank. The trees will be removed before the April bird-nesting period and will be replaced by trees as requested by Parks Urban Forestry determination.

To stabilize the riverbank, we will be using a vegetated timber crib wall which is designed to be aesthetically pleasing while increasing habitat value and providing immediate bank stability and protection from erosion. For more information about this project please visit [calgary.ca/waterprojects](http://calgary.ca/waterprojects).

Should you require any further information or have any questions, please do not hesitate to contact me.

Kind Regards,

Marvin Leo, P.Eng.

Project Engineer

Infrastructure Delivery, Water Resources

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 Proposed Bank Restoration Works