

# Capilano Water Main Project

February 2015

The Capilano Water Main Project will ensure clean drinking water continues to be delivered safely and reliably to the North Shore and the region.



To continue providing clean, safe drinking water, Metro Vancouver is working on the design and construction of the Capilano Water Main Project which includes replacing an aging and seismically vulnerable water main, installing new valve chambers and connecting the new main to the existing system. The new main will deliver drinking water from the Capilano and Seymour watersheds to residents and businesses on the North Shore and across the region.

Beginning mid-August 2015, a new 2-metre diameter water main will be constructed in sections under Capilano Road between Cleveland Dam Road and Edgemont Boulevard.

To install the large main, the construction crew will move from north to south along Capilano Road, closing the road in 200-metre sections and detouring local traffic around each section.

Starting in February 2016, following water main construction, crews will construct a new valve chamber which will close a portion of Edgemont Boulevard east of Capilano Road for approximately three months. During this time, vehicle traffic will be re-routed to Ridgewood Drive.

When construction is complete, all sections will be restored and where possible additional improvements to the road will be made including a continuous bicycle lane and sidewalk upgrades.

## Benefits to the community and region

- The water main that is being replaced is located in a seismically vulnerable area in Capilano River Regional Park. It needs to be replaced to eliminate the risk of ecological impacts and loss of water service in the event of an earthquake.
- The existing water main is old and has reached the end of its useful service life.
- The new water main will be designed for a 100-year service life and will accommodate demand for the growing population in the region.
- This project is required to ensure the reliable delivery of drinking water to residents and businesses on the North Shore and across the region.

## Project Timeline

Timeframe:	January 2014 – January 2015	February 2015	March – August 2015	August 2015 – January 2016	February 2016 – April 2016	May – June 2016
<b>Project Activity:</b>	Project planning and design	Project planning and preparation	Project preparation	Construction – Water Main Installation	Construction – Valve Chamber	Project completion and restoration
<b>Community Outreach and Engagement Activity:</b>	Initial outreach and stakeholder meetings	Community Meetings with local area residents and businesses	Public Meeting and ongoing community engagement	Public Meeting and ongoing community engagement	Ongoing outreach and community engagement	

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## Committed to minimizing project impacts

The Capilano Water Main Project is critical for the safe and reliable delivery of drinking water. However, we are sensitive to the impacts it will have and are taking steps to minimize them, wherever possible.

The construction schedule and methods have been designed to complete the work as quickly as possible while ensuring local residents and businesses receive a break from construction activities at night and on Sundays.

During construction hours of 7 am to 8 pm Monday through Saturday, the 200-metre section under construction will be closed to all vehicle traffic. Sidewalks along Capilano Road will be accessible to pedestrians and dismounted cyclists at all times. When a section is open at night, outside construction hours, there will be one lane open with traffic moving in one direction.

Metro Vancouver recognizes the closed sections will impact traffic and local access. A traffic management team will direct traffic and ensure detour routes are clearly marked and posted well in advance. The construction area will be fenced off and restricted to construction personnel.



Example of a large diameter water main installation

## Maintaining access for local residents and businesses

There will be times when local residents and businesses may not be able to directly access their property by vehicle when construction activities block driveways. The project's Community Liaison Officer will work with residents and businesses in advance of construction to determine alternate options for access and parking.

**Whenever possible, local residents will be provided vehicle access to their property as long as it is deemed safe by the contractor. Emergency services will have access to properties at all times.**

## Keeping commuter traffic moving

Detour routes for commuter traffic will be advertised in advance and signs will inform drivers of current closures and alternate access points. Metro Vancouver will also provide detour updates through the radio, website and social media.

To keep traffic moving safely and efficiently on detour routes, flaggers, signage and other traffic management tools will be in place to accommodate the temporary increase in traffic volumes during construction (see map on page 3 for Commuter Detour Routes.)

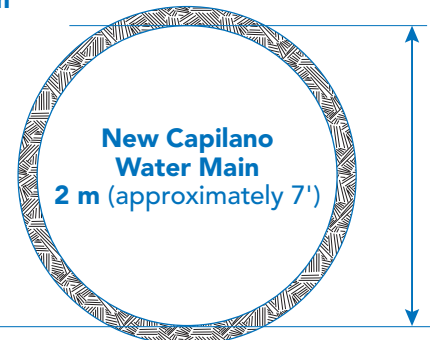
Schools on detour routes will be incorporated into the traffic management plan to support access for parents and school buses during drop-off and pick-up times.

Transit buses along Capilano Road will be re-routed to Ridgewood Drive and Highland Boulevard and then back to Capilano Road. Shuttle buses along Capilano Road will carry local residents to the nearest transit connection throughout the construction period.

Person Height 1.8 m  
(approximately 6')

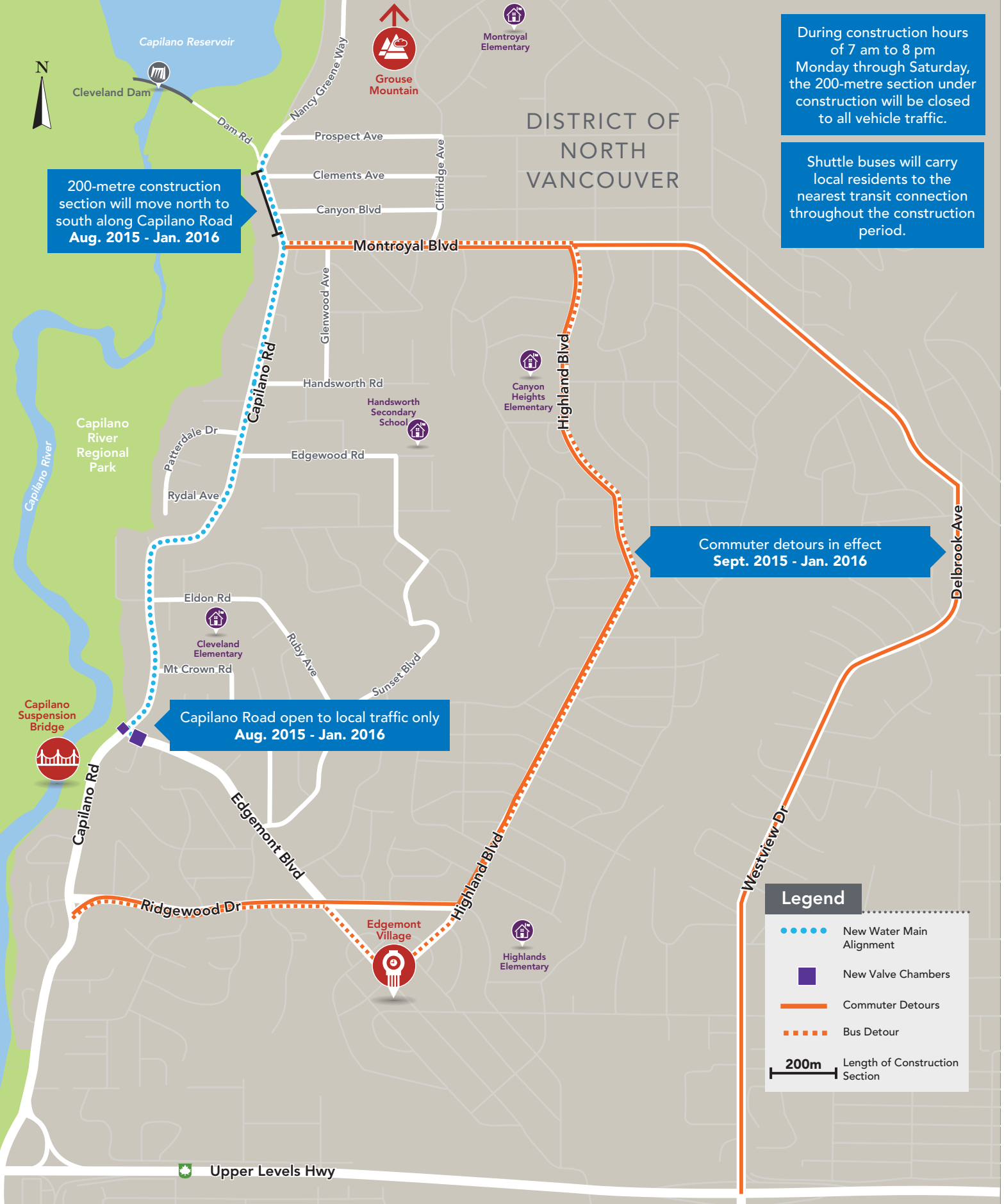


New Capilano  
Water Main  
2 m (approximately 7')



The new water main will be 2 metres in diameter

# Map of Capilano Water Main Project Construction and Detour Routes



200-metre construction section will move north to south along Capilano Road Aug. 2015 - Jan. 2016

Capilano Road open to local traffic only Aug. 2015 - Jan. 2016

Commuter detours in effect Sept. 2015 - Jan. 2016

During construction hours of 7 am to 8 pm Monday through Saturday, the 200-metre section under construction will be closed to all vehicle traffic.

Shuttle buses will carry local residents to the nearest transit connection throughout the construction period.

**Legend**

- New Water Main Alignment
- New Valve Chambers
- Commuter Detours
- - - Bus Detour
- 200m Length of Construction Section

DISTRICT OF NORTH VANCOUVER

Upper Levels Hwy



## Working closely with the community

Metro Vancouver is working collaboratively with the community to listen to concerns and interests and ensure they are considered as part of project planning.

A Community Liaison Officer has been appointed to this project and is available to speak to residents and businesses about the project. During construction, the Officer will be available daily to ensure open communication between the community and the project team.

The project team has been working closely with the District of North Vancouver and its Community Monitoring and Advisory Committee as well as residents, businesses, schools and churches to identify impacts early in the process.

## Meet the project team

In February 2015, Metro Vancouver hosted a series of meetings with the local community to introduce the project and hear directly from the residents and businesses adjacent to the construction route. These meetings provided an opportunity for the project team to learn more about special or unique circumstances that need to be considered in planning the construction schedule.

There will be ongoing opportunities for public input throughout the project, including a public meeting planned for March 31st to introduce the project to the broader community, describe commuter detour routes and listen to feedback. For more information, visit [www.metrovancouver.org](http://www.metrovancouver.org) and search "Capilano Water Main Project".

In addition to the face-to-face engagement opportunities, Metro Vancouver will provide ongoing schedule and information updates through fact sheets, project newsletters, emails, on-site signage and the Metro Vancouver website.


## To share your comments or concerns with the project team:

**Community Liaison Officer:** 604-436-6986  
(Monday to Friday from 8:00 am to 4:30 pm)

**Email:** [icentre@metrovancouver.org](mailto:icentre@metrovancouver.org)  
(Please include "Capilano Water Main Project" in subject line)

**After-Hours Emergency:** 604-451-6610

**Website:** [www.metrovancouver.org](http://www.metrovancouver.org)  
(Search "Capilano Water Main Project")

 @MVRoadWork



## Metro Vancouver's role in water supply

Metro Vancouver provides a reliable source of safe, high-quality drinking water to its member municipalities at a reasonable cost. This includes acquiring and maintaining supply, as well as treating, testing and delivering water to municipalities. In turn, the municipalities are responsible for conveying water to residents and businesses.

Metro Vancouver uses a system of watersheds, dams, water mains, pump stations and reservoirs. To maintain the quality and reliability of these systems, and of the supply, improvements are constantly underway.



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