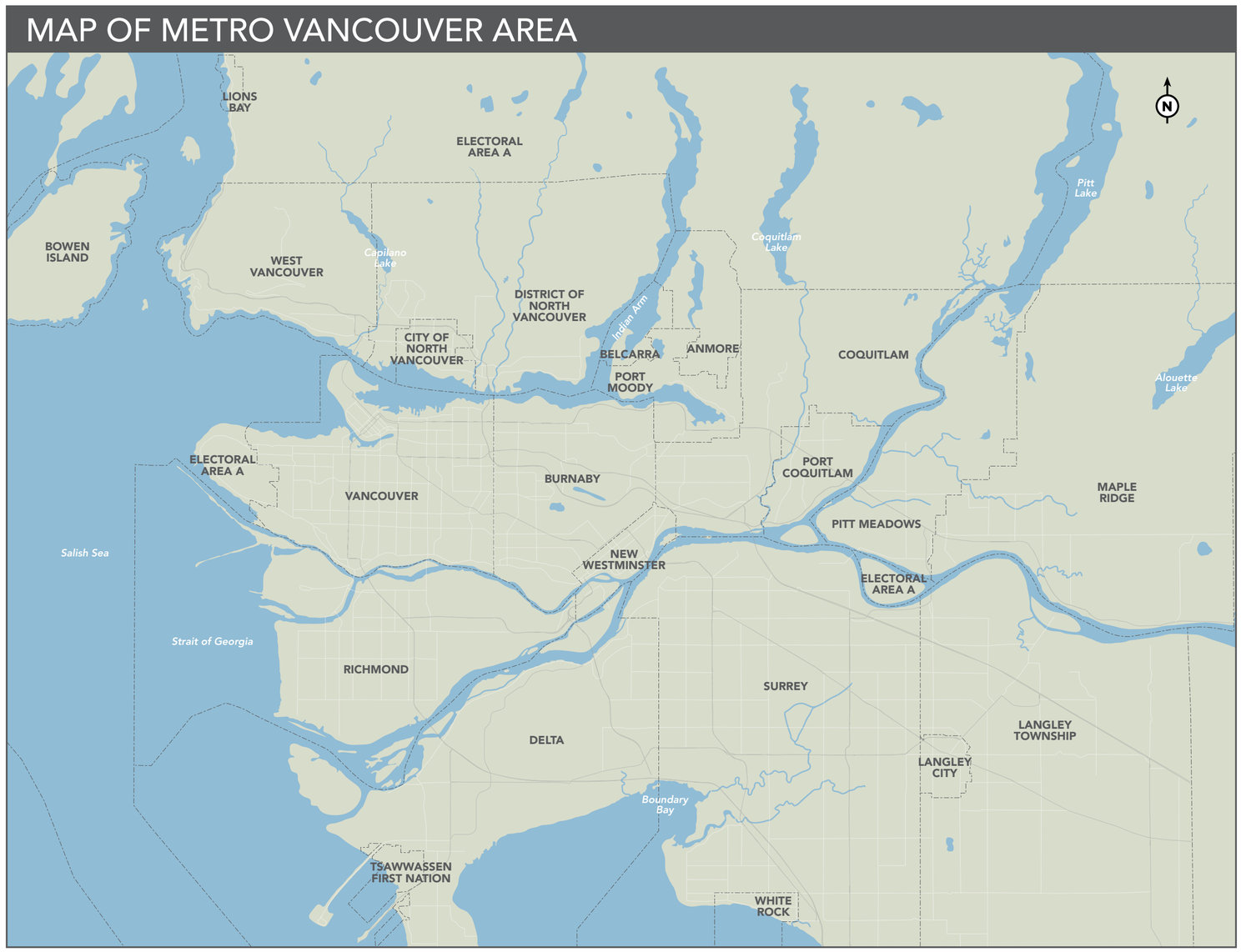
ABOUT METRO VANCOUVER

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation.

Metro Vancouver is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is governed by a Board of Directors of elected officials from each member jurisdiction.

MAP OF METRO VANCOUVER AREA

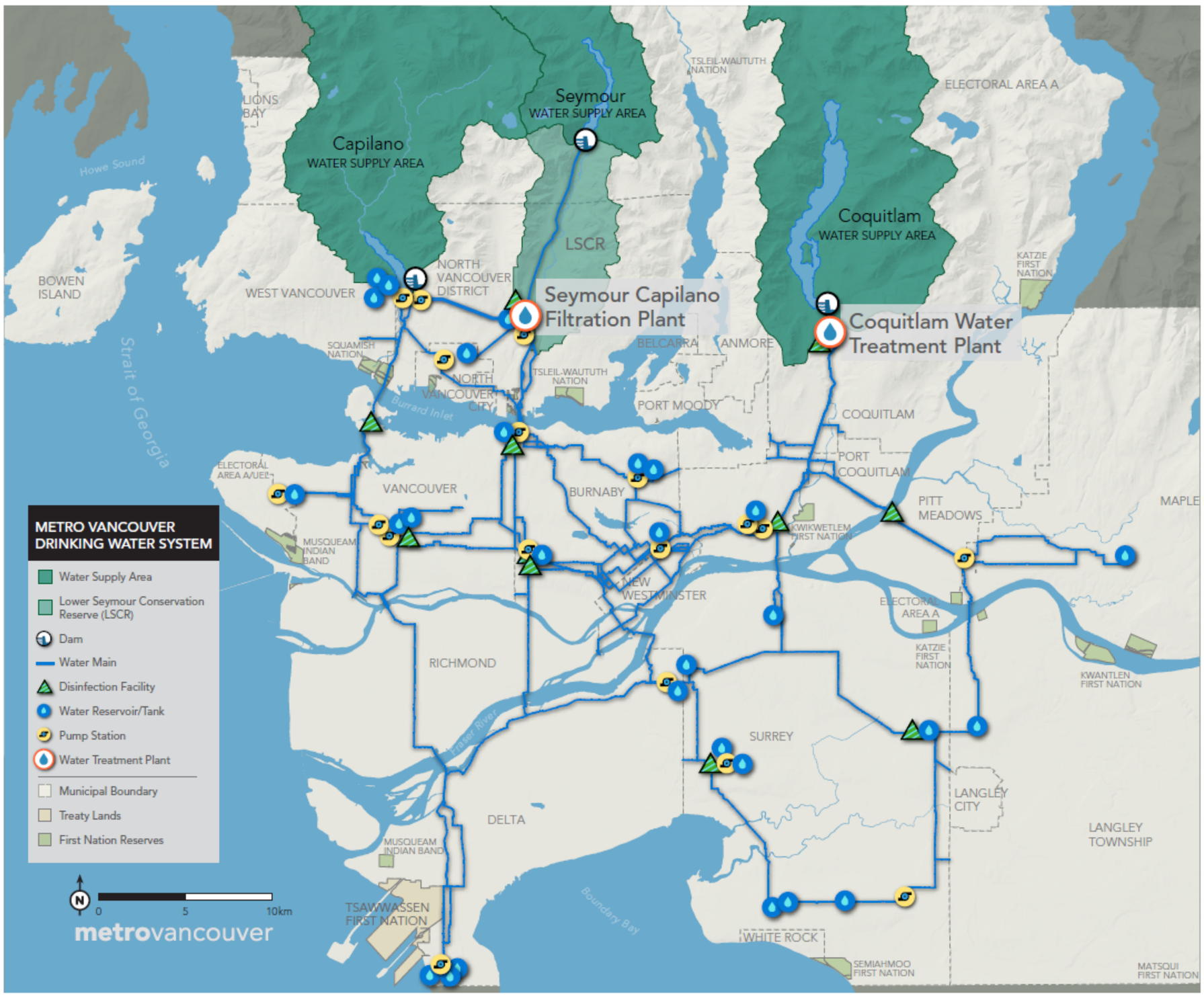


Metro Vancouver acknowledges that the region's residents live, work, and learn on the shared territories of many Indigenous Peoples, including ten local First Nations: **qícáy'** (Katzie), **qʷɑ:ńƛ'əń** (Kwantlen), **kʷikʷəƛ'əm** (Kwikwetlem), **máthxwi** (Matsqui), **xʷməθkʷəy'əm** (Musqueam), **qiqéyt** (Qayqayt), **se'mya'me** (Semiahmoo), **Sḵwx̱ wú7mesh Úxwumixw** (Squamish), **scəẃaθən məsteyəxʷ** (Tsawwassen), and **sálílwətaʔɬ** (Tsleil-Waututh).

OUR REGIONAL WATER SYSTEM

Metro Vancouver provides high-quality drinking water for nearly 3 million residents in the region. This includes sourcing supply, treating, testing, and delivering drinking water to member jurisdictions, who are responsible for distributing it to residents and businesses.

Water is collected from within three protected mountain water supply areas covering approximately 60,000 hectares. The system itself comprises six mountain storage lakes, five water supply dams, two major water treatment facilities, over 520 km of large diameter transmission mains, 27 storage reservoirs, 19 pump stations, and eight re-chlorination stations.



OUR REGIONAL WATER SYSTEM

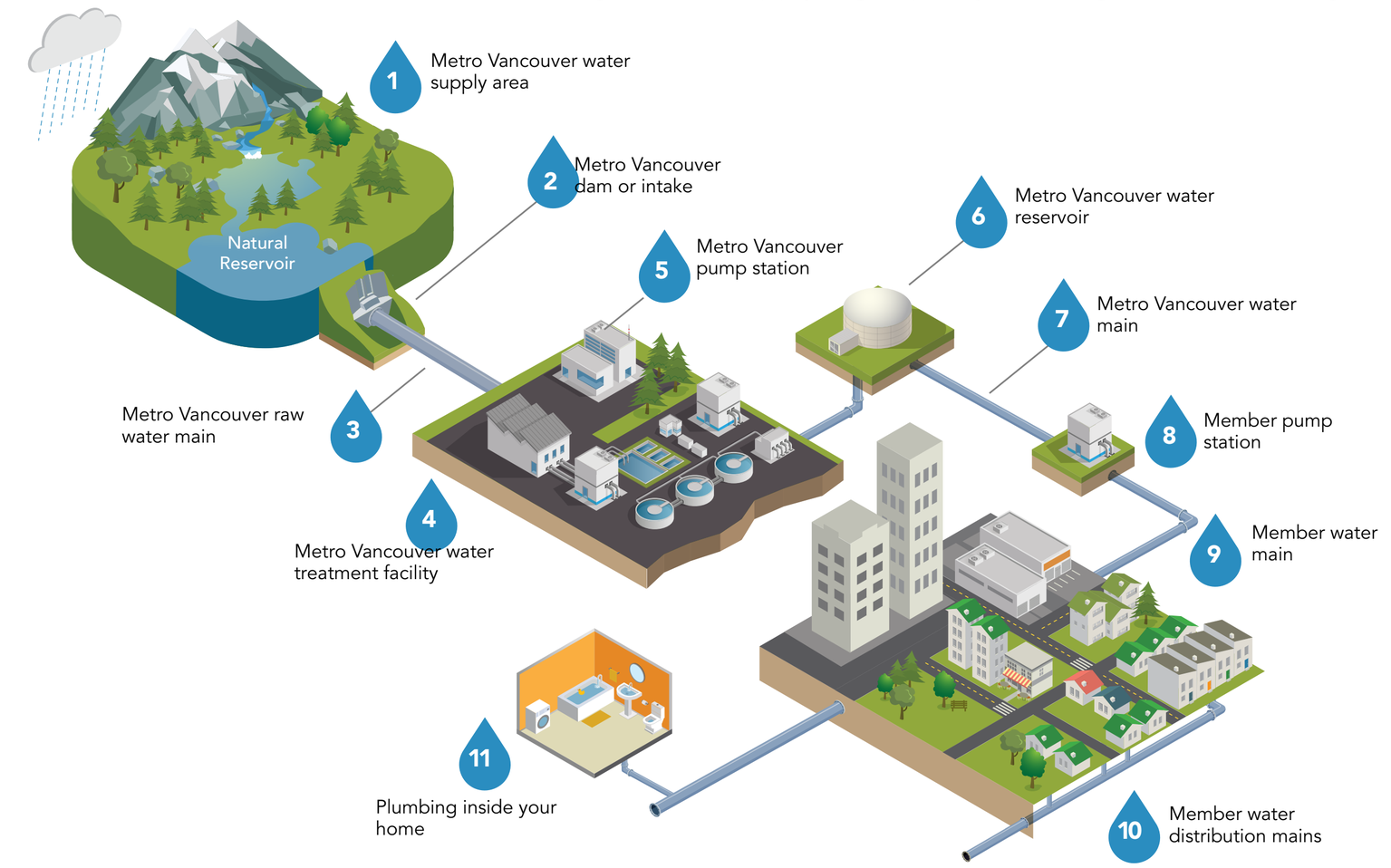
Metro Vancouver and its members work together to supply high-quality drinking water to the region.

We are responsible for protecting and providing the region's water supply, including: protecting our water supply areas; storing, treating and ensuring the quality of our water; supplying water directly to our members; and planning for future supply and demand.

Our members are responsible for providing water to residents and businesses, enforcing regulations, utility billing, and where used, water metering.

How does water get to your home?

Metro Vancouver and its members work together to supply high-quality drinking water to the region.



Metro Vancouver uses a system of water supply areas, dams, water treatment plants, storage reservoirs, pump stations, and water mains. Upgrades are regularly being made to the water system to maintain the high-quality and reliability of the drinking water to the region's growing population.

The system treats and distributes an average of 1.0 billion litres of drinking water per day which can increase to over 1.5 billion litres per day during the summer months.

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ABOUT THIS PROJECT

Central Park Water Main – Imperial Section

Building new infrastructure to ensure the continued delivery of high-quality drinking water for the region's growing population

Metro Vancouver is replacing the Central Park Water Main to help ensure the continued delivery of high-quality drinking water well into the future. This new water main is expected to meet regional growth needs while ensuring seismic resilience. The existing water main was built in the 1930s and is reaching the end of its service life. Construction of the new water main started in 2019 and has been phased over several years due to its length of approximately 12 kilometres spanning across the cities of Burnaby and New Westminster.

The Imperial Section of the Central Park Water Main is approximately 3.4 kilometres long and runs along Imperial Street between Maywood Street at Telford Avenue, and Griffiths Avenue at Elwell Street. Construction will carry out in two phases.

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ABOUT PHASE ONE

Central Park Water Main – Imperial Section Phase 1

Early 2025 - Fall 2026	2026 - 2028	2029 - 2030
Phase 1 construction (East of Macpherson Ave)	Phase 2 construction (West of Macpherson Ave)	Water main testing, connection, and restoration

This timeline is subject to change.

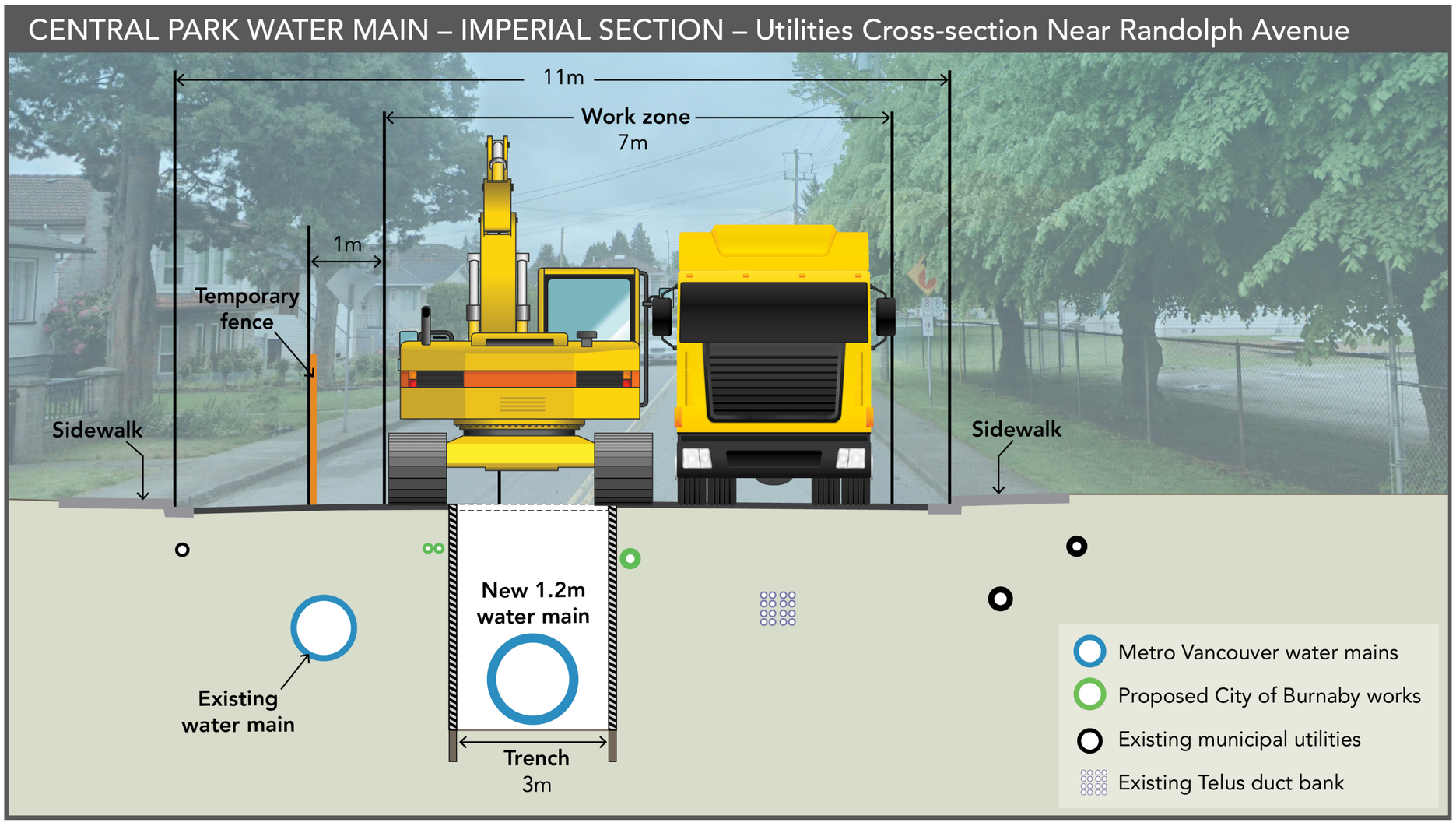
Central Park Water Main – Imperial Section Phase 1 extends along Imperial Street between MacPherson Avenue and Griffiths Avenue. Construction for this phase began in January 2025 and is expected to continue for the next two years.

PROJECT ACTIVITIES

Central Park Water Main – Imperial Section Phase 1

- **Preparing the work area:** Ahead of major construction, Metro Vancouver's contractor will be fencing trees, setting up a site trailer, delivering equipment, installing temporary signage, sampling soil, and identifying existing utility locations.
- **Relocating existing or installing new underground utilities:** In various locations, underground utilities will be relocated or added to accommodate the new water main and valve chambers.
- **Installing the new water main:** The new water main will be installed in segments. Each work zone will be several blocks in length, two-to-three lanes wide, and fenced for safety. Crews will excavate a large trench, install temporary shoring to secure the excavated area, and install a steel water main with a diameter of 1.2 metres.
- **Constructing underground valve chamber**: An underground valve chamber will be built at Empress Avenue, and will take approximately six months to construct. In phase 2, a second valve chamber will be constructed at Palm Avenue.

CENTRAL PARK WATER MAIN – IMPERIAL SECTION – Utilities Cross-section Near Randolph Avenue



PROJECT ACTIVITIES

Central Park Water Main – Imperial Section Phase 1

- **Installing new municipal utilities:** To reduce construction impacts on residents, Metro Vancouver will also install new municipal water mains and fibre optic ducts on behalf of the City of Burnaby between Macpherson Avenue and Griffiths Avenue. These new utilities will be installed within the same work zone established for the larger Metro Vancouver water main. The fibre optic ducts are 8 cm in diameter and the water mains are 30 cm in diameter.
- **Cleaning and testing of the new water main:** When complete, the new pipe will be pressure tested, disinfected, and flushed before coming into service.
- **Connecting the new water main and valve chambers:** Towards the end of the project, the new infrastructure will be connected to the existing water distribution system.
- **Connecting residents to the new water system:** The City and Metro Vancouver's contractor will at times need to temporarily turn off water service at some properties as they connect them to the new municipal water mains. Metro Vancouver will notify residents and businesses in advance of any planned service interruptions.
- **Restoring the area:** Once construction is complete, all impacted areas will be permanently paved and restored.

Typical Hours of Work

Monday to Friday: 7:00 am – 5:00 pm | **Weekends and holidays:** No work planned

All work will comply with the City of Burnaby bylaws or granted b es. There may be times when construction crews will need to work longer hours to complete critical safely about these and efficiently. Metro Vancouver will notify the community activities activities in advance.

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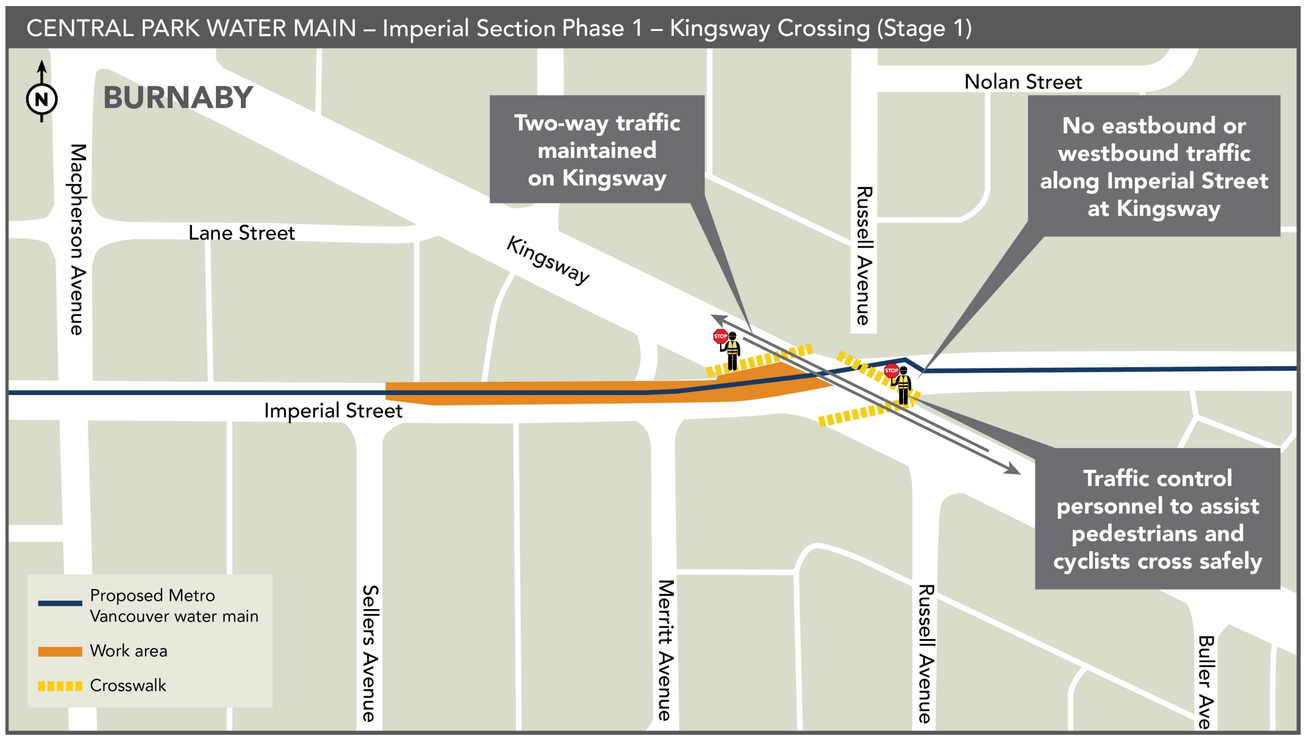
PROJECT ACTIVITIES

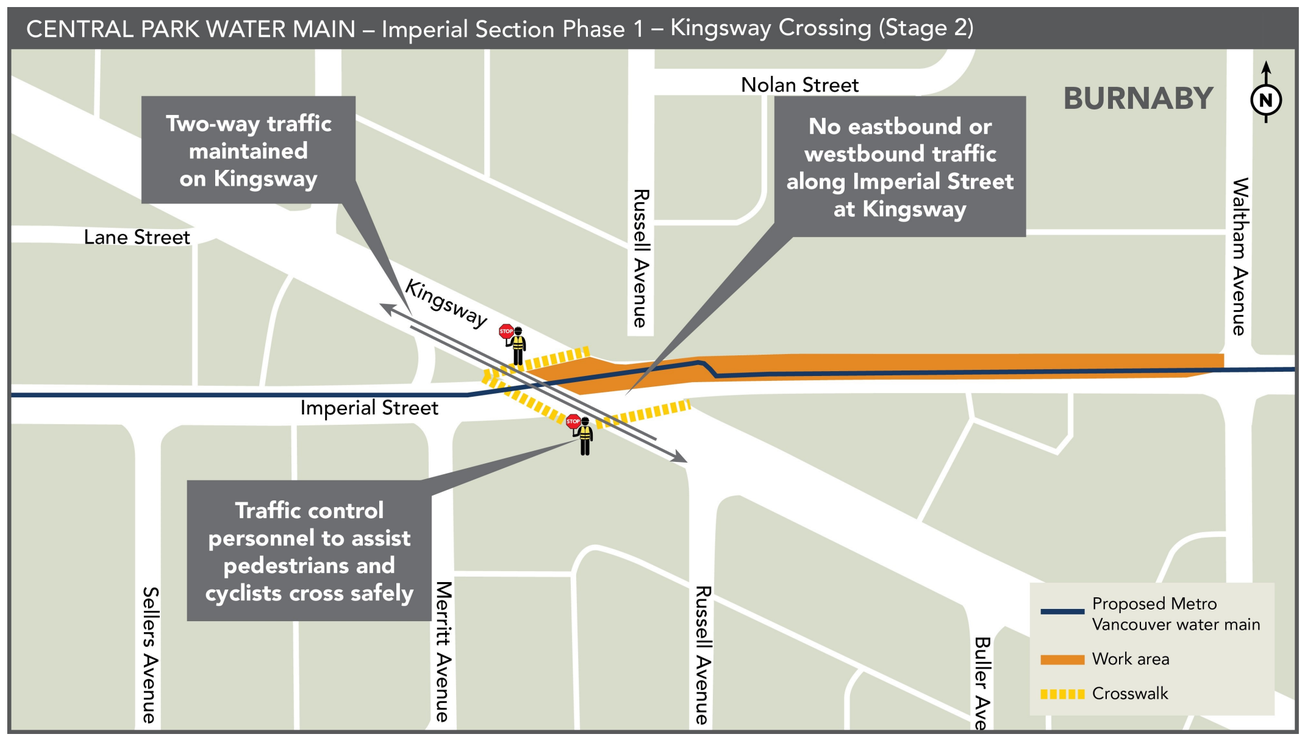
Central Park Water Main – Imperial Section Phase 1

Kingsway Crossing Methodology (Plan A)

As work approaches the Kingsway intersection, construction will be carried out in two stages to maintain one lane of traffic in each direction along Kingsway. During each stage, five lanes of Kingsway will be temporarily closed.

To expedite work across this major roadway and minimize impacts, construction will take place 12 hours per day, seven days a week, for approximately three weeks.





PROJECT ACTIVITIES

Central Park Water Main – Imperial Section Phase 1

Kingsway Crossing Methodology (Plan B)

As an alternative to the Plan A construction method for the Kingsway intersection, Metro Vancouver may adopt a tunneling methodology, depending on City approval. This would involve tunneling the water main 3.5 meters below Kingsway. This tunneling method will allow Kingsway to remain open most of the time, reducing disruptions to commuters.

Tunnel boring machine used to excavate the tunnel for the Kennedy Newton Water Main South Section project. A similar machine may be used to excavate a tunnel for the Kingsway crossing section.

For the tunneling method, a tunnel boring machine will excavate through soil or rock to produce a smooth tunnel wall. The machine launches from an entry shaft and moves toward an exit shaft.

As the machine progresses, excavated material is transported to the surface and a liner is installed to create the tunnel structure.

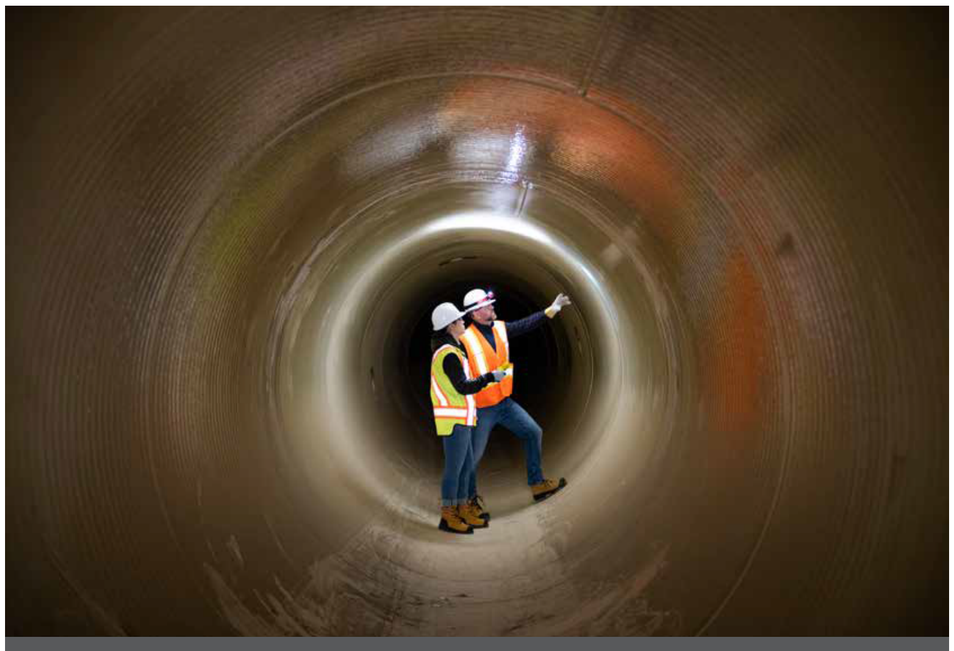
PROJECT ACTIVITIES

Central Park Water Main – Imperial Section Phase 1

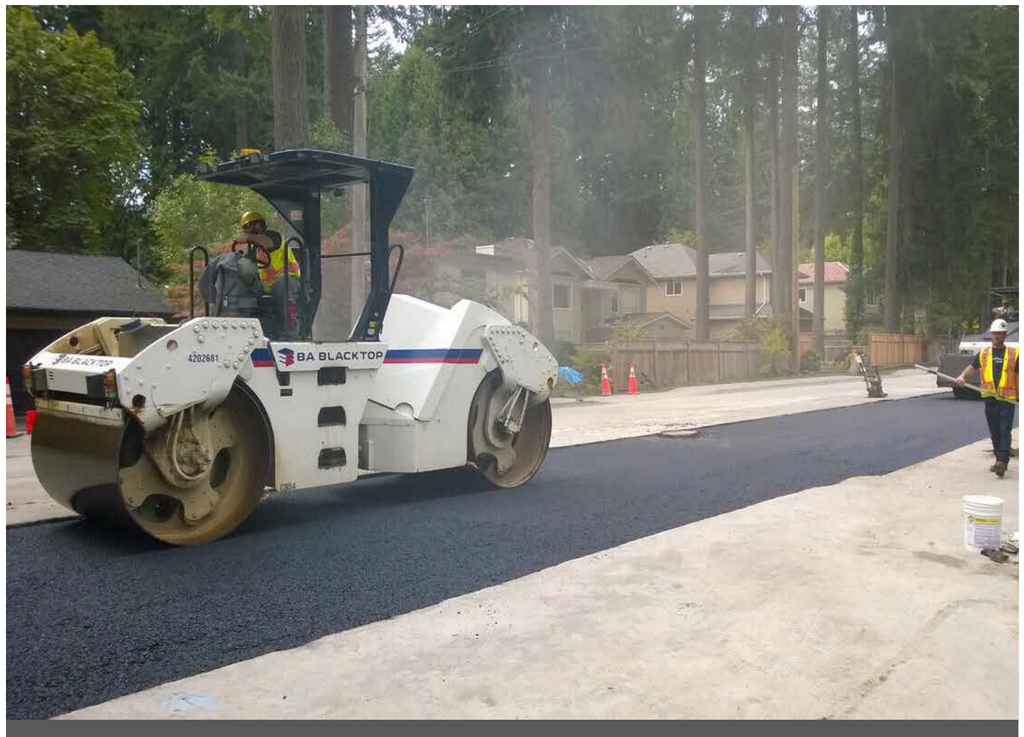
Below are images of typical activities and equipment you may see during the construction:

Constructing an underground valve chamber

Using a crane to deliver the water main



Inspecting the water main before connecting it to the regional water main system



Restoring the project area

PROJECT ACTIVITIES

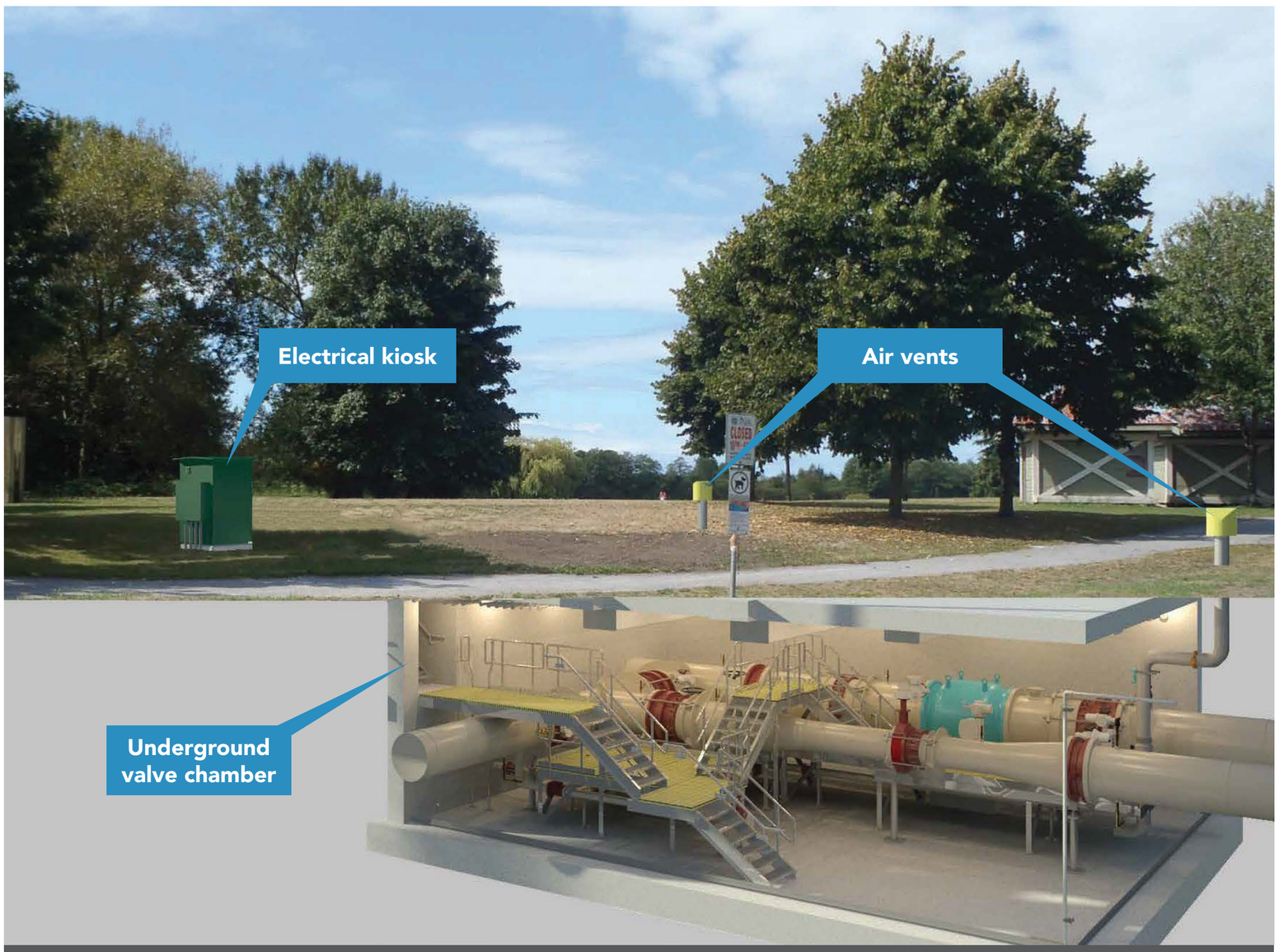
Central Park Water Main – Imperial Section Phase 1

Valve Chambers

Valve chambers play an important role in how Metro Vancouver delivers high-quality drinking water to your municipal system. Typically installed underground, these chambers house pipe connections, valves, and other equipment used to regulate the flow of water through the water mains. They also allow maintenance crews to isolate certain sections of the distribution system to conduct maintenance and repair work when required.

Water Main Connection

Once the new water main is installed, it needs to be connected to the existing water distribution system, which includes the City of Burnaby's pressure reducing valves as well as Metro Vancouver's surrounding water mains.



Similar valve chambers and associated above-ground structures will be installed

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MITIGATION MEASURES

Central Park Water Main – Imperial Section Phase 1

Metro Vancouver recognizes the construction of Central Park Water Main – Imperial Section Phase 1 will impact local residents, businesses and commuters.

As part of our commitment to minimize project impacts, we have been working with the City of Burnaby and local residents and businesses to identify impacts early in the process and take measures to mitigate them. We have developed a Public Impact Mitigation Strategy that includes information received through an online survey, a virtual open house held in 2022, and door-knocking in the community. Wherever possible, the contractor will:

Reduce noise and vibration

- Implement the Noise and Vibration Strategy
- Schedule work that requires noisy or high- vibration equipment, such as hydro vacuum trucks, saw cutters, vibratory compactors, and excavators, to take place between 8:00 am and 6:00 pm
- Minimize nuisance noise such as offloading equipment, operating back-up beepers, and idling or warming up heavy equipment unnecessarily and outside of allowable hours
- Cover noisy equipment and use sound barriers
- Monitor noise periodically to ensure the work is compliant with the City of Burnaby bylaws and granted bylaw variances

Keep people moving safely and efficiently

- Implement a Traffic Management Plan
- Place fencing, signage, and traffic control personnel to ensure people can safely move around
- Maintain access to homes and businesses throughout the construction. Drivers may experience delays in accessing driveways when active construction is taking place
- Maintain access to school drop-off and pick-up zones or have detour options
- Ensure emergency services have access to properties at all times
- Ensure sidewalks, pedestrian paths, and bike routes remain accessible or have detour options

Manage site cleanliness

- Keep the work site tidy and ensure that impacted roads are cleaned and swept regularly
- Have appropriate equipment readily available for dust, mud, and accidental material spillage control

Construction of Central Park Water Main – Salisbury/18th Section

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MITIGATION MEASURES

Central Park Water Main – Imperial Section Phase 1

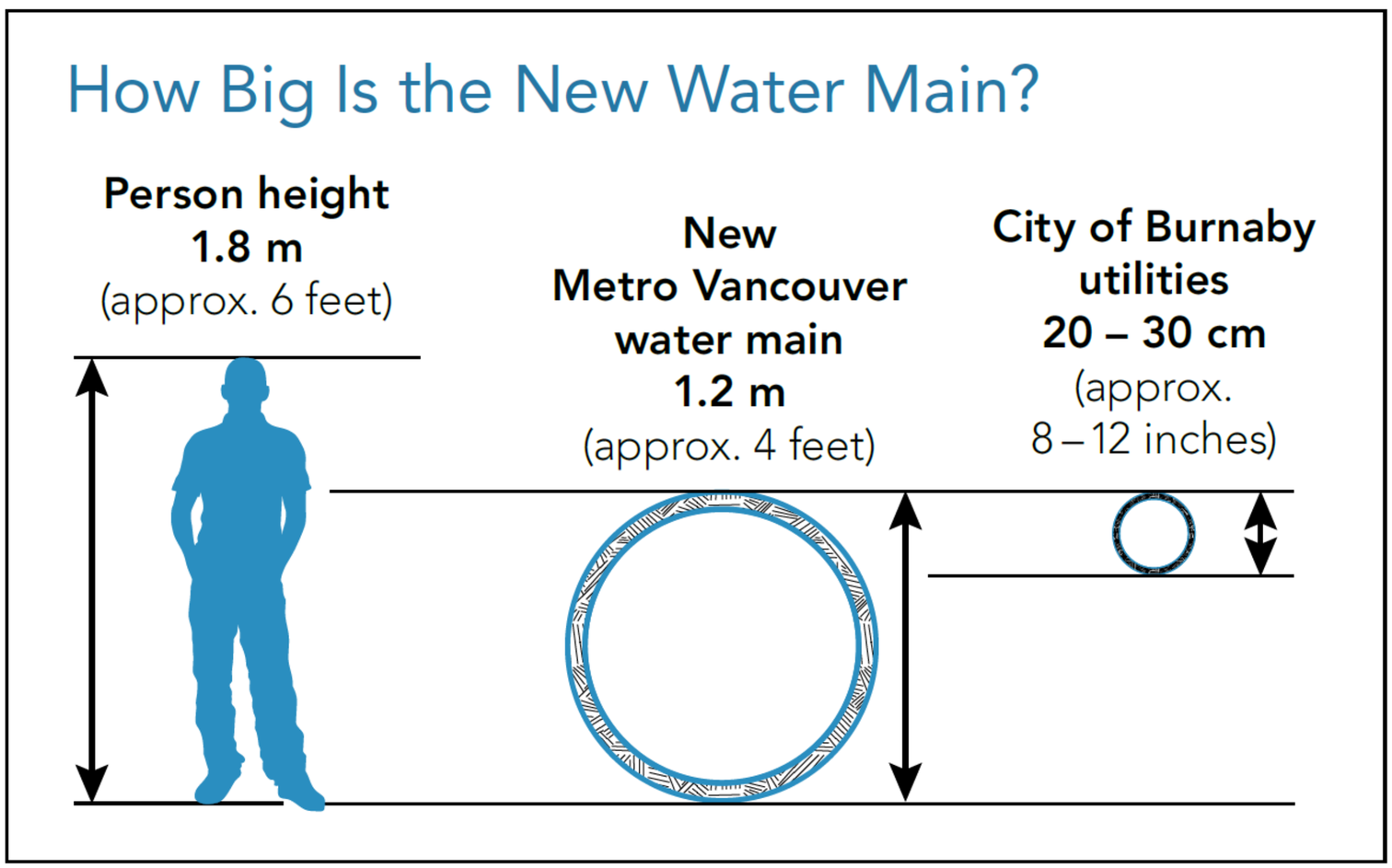
Maintaining Access

We will maintain access to homes and businesses whenever possible. However, construction may temporarily restrict access to residential and business driveways and parking areas. If anyone in your home has mobility restrictions or other concerns, please contact the project's community liaison at 604-432-6200 to discuss alternate options for access, and to explore possible solutions.

Working With the Community

Metro Vancouver is committed to working closely with the community and the City of Burnaby to ensure concerns and interests are considered as the project progresses. We will notify the community in advance of traffic impacts, temporary driveway or parking closures, and detour routes. Local residents and businesses can expect to receive ongoing notifications through signage and print materials. Additionally, newsletters with detailed information will be distributed for each new work zone.

We also have a dedicated community liaison available throughout the project to meet with you and address any questions or comments you may have.



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KEEPING THE COMMUNITY INFORMED

Central Park Water Main – Imperial Section Phase 1

Metro Vancouver will notify residents and businesses of disruptions well in advance and be responsive to any concerns raised about project activities. Updates will be provided via:

Find updates and sign up for email newsletters:

Scan the QR code to visit the dedicated project web page, or go to **metrovancouver.org** and search for "Central Park Water Main – Imperial Section Phase 1".

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Share Your Feedback on the Central Park Water Main – Imperial Section Phase 1

Scan the QR code below to complete a feedback survey.

Metro Vancouver respects your privacy. Information collected at this event will be handled with strict confidentiality, in accordance with our privacy policies.