



Lost Lagoon in Stanley Park

# Stanley Park Water Supply Tunnel

PRESENTATION TO VANCOUVER PARK BOARD

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Vancouver Park Board – July 17, 2023 Commission Meeting  
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**metro**vancouver

# AGENDA

- Project Overview
- Public and First Nations Engagement
- Mitigating Construction Impacts
- Questions and Discussion



# Project Overview

Rendering of site at Chilco during construction



# PROJECT OVERVIEW

Why Do We Need it?

- Replace current water main built in 1930s
- Prevent another leak in main like the 2016 and 2023 leak

Capilano Main No. 4 being built in 1930s through Stanley Park



# PROJECT OVERVIEW

Why Do We Need It Now?

- Water main breaks have potential to cause major damage and disruption
- Construction could be delayed another year if procurement doesn't begin this summer



Water main breaks in Los Angeles (top) and Vancouver (bottom)

# PROJECT OVERVIEW

Why do We Need it?



Ensure clean drinking water delivery to Vancouver, Richmond, and Stanley Park



Increase capacity to meet growing demand



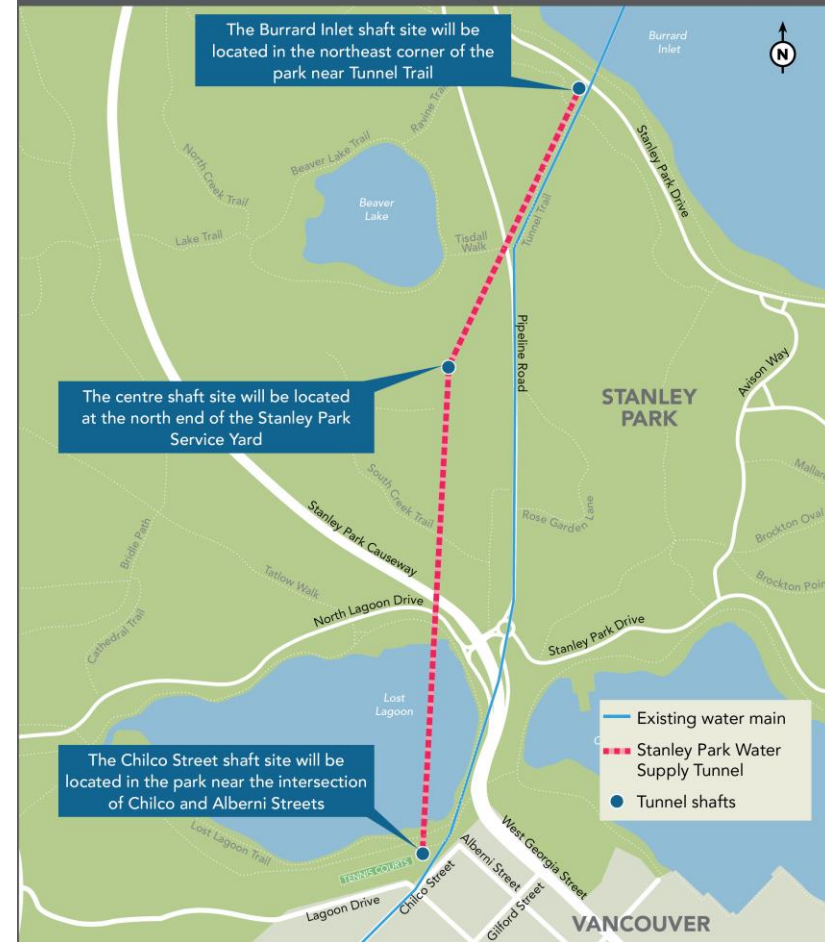
Meet current seismic standards

# PROJECT OVERVIEW

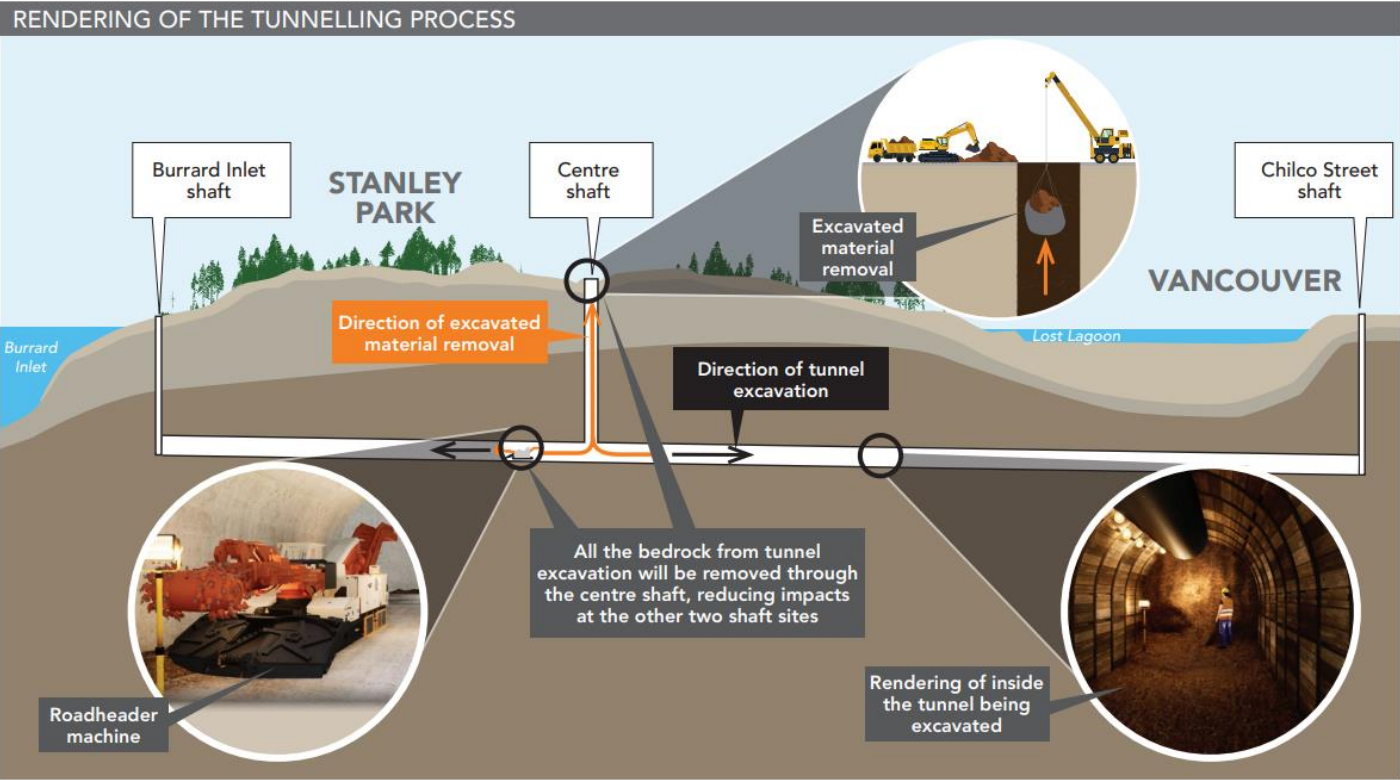
## Location

- Constructing three tunnel shafts
- Tunnelling deep below Stanley Park
- Installing 1.4 km water main and two valve chambers

STANLEY PARK WATER SUPPLY TUNNEL – Key Project Locations



# MITIGATING IMPACTS THROUGH PROJECT DESIGN



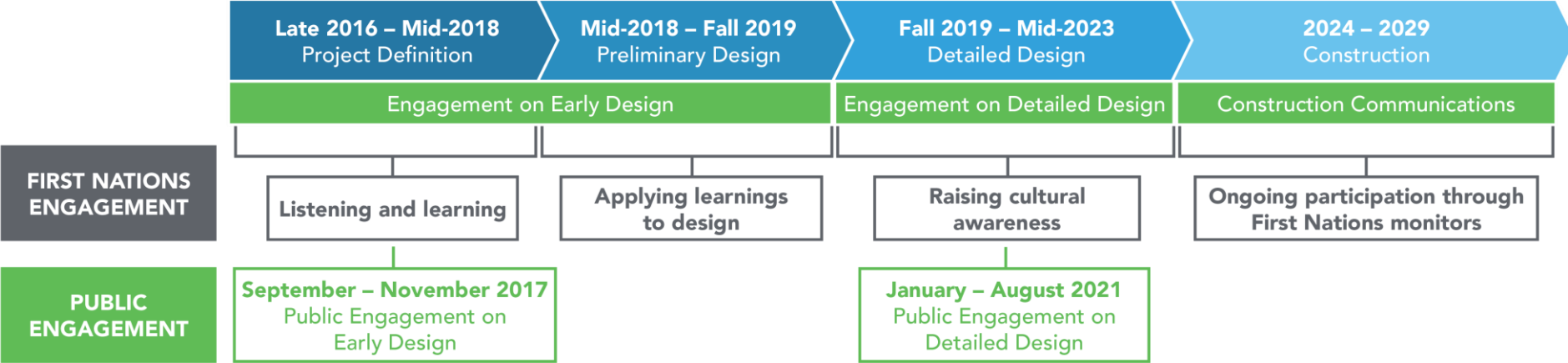


# Engaging Communities to Inform Project Design and Construction

Metro Vancouver community engagement event



# ENGAGEMENT TIMELINE



# WHO WE ENGAGED WITH

- Government agencies
- First Nations
- Park businesses and organizations
- Park users
- Local residents
- The broader public



The seawall in Stanley Park

# SUMMARY OF ENGAGEMENT ACTIVITIES



**2** Community Meetings



**10** Stakeholder Meetings

**4** Pop-Up Kiosks in the Park



**1** Public Comment Period



**100+** Interactions with the Community Liaison

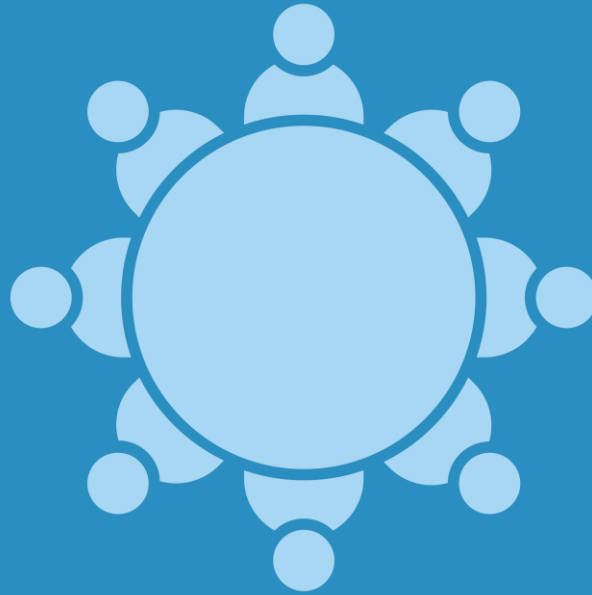
# SUMMARY OF ENGAGEMENT ACTIVITIES

Businesses and Organizations with Interests Around the Park

- AAA Horse & Carriage
- VPD Mounted Unit
- Theatre Under the Stars
- Stanley Park Miniature Train
- Stanley Park Ecology Society
- Vancouver Aquarium
- Royal Vancouver Yacht Club
- Vancouver Rowing Club
- Stanley Park Pavilion / Capilano Group
- Brockton Pavilion
- Special Events and Filming
- Stanley Park Community Gardeners
- HUB Cycling

# SUMMARY OF ENGAGEMENT ACTIVITIES

**27** Meetings with Musqueam, Squamish,  
and Tseil-Waututh Nations



# NOTIFICATION METHODS



Park signage



Direct mail



Newspaper ad



Posters



E-newsletters



Social media



Web page

# WHAT WE HEARD

## Public Engagement



Noise



Environment



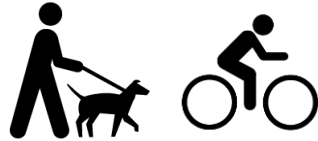
Air Quality



Viewing Platform



Truck Traffic



Pedestrian and  
Cyclist Safety



Construction  
Methodology



Questions about  
Detailed Timelines



# WHAT WE HEARD

## First Nations Engagement



Culturally  
Sensitive Areas



Tree Loss



Restoration



Cultural  
Awareness



Ancestral Remains  
Protocol



First Nations  
Monitors

# Mitigating and Minimizing the Impacts of Construction

Stanley Park Seawall





Cyclists rest on a bench in Stanley Park

## INTEGRATING “WHAT WE HEARD” INTO PROJECT DESIGN

### Public Feedback

- Noise, environment, and traffic management plans
- Noise monitoring, sound barriers
- Larger tree-protection zones and limiting tree removal
- No trucks parking or idling on Pipeline Road



Coast Salish Totem Pole in Stanley Park by Musqueam artist Susan Point

## INTEGRATING “WHAT WE HEARD” INTO PROJECT DESIGN

### First Nations Engagement

- Chance find protocol, ancestral remains policy and monitors
- Smaller site footprints at Burrard and Chilco
- Cultural awareness training video
- Cultural resources study

# MINIMIZING TRAFFIC IMPACTS



Traffic control personnel working at Kennedy Newton Water Main – Scott Road Section

- Traffic Management Plan
- Confirm trucking routes with City of Vancouver and Park Board staff
- Ensure contractor uses designated trucking routes
- Coordinate with Stanley Park events



# TRAFFIC MANAGEMENT

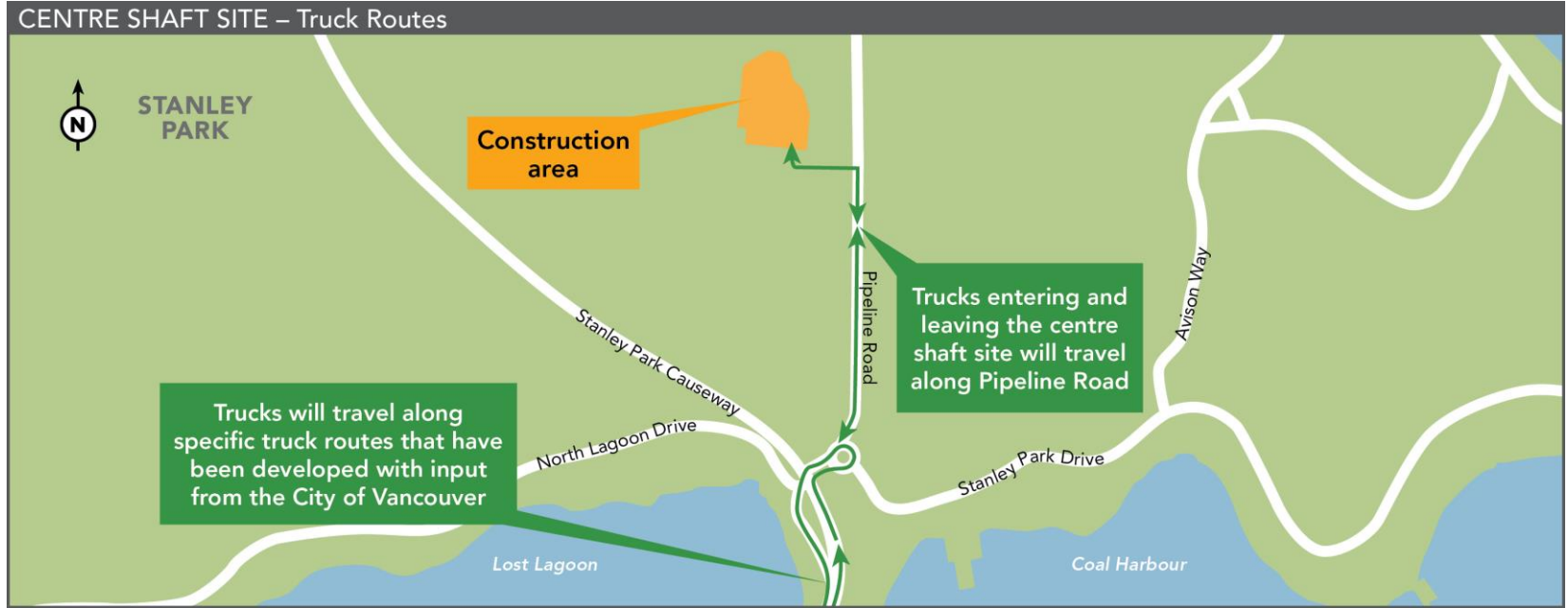
## Chilco Street Shaft Site



Rendering of site at Chilco during construction

# TRAFFIC MANAGEMENT

## Centre Shaft Site



# TRAFFIC MANAGEMENT

## Burrard Inlet Shaft Site



Construction signage on roadway

### BURRARD INLET SHAFT SITE – Truck Routes





# HOURS OF WORK

Expected Hours of Work at Each Construction Site

Chilco Street Shaft Site	Centre Shaft Site	Burrard Inlet Shaft Site
<p><b>Monday to Friday:</b> 7:30 am – 8:00 pm</p> <p><b>Saturdays:</b> 10:00 am – 8:00 pm No excavation or demolition</p> <p><b>Sundays and holidays:</b> No work</p>	<p>To be determined</p>	<p><b>Monday to Friday:</b> 7:30 am – 8:00 pm</p> <p><b>Saturdays:</b> 10:00 am – 8:00 pm</p> <p><b>Sundays and holidays:</b> No work</p>

# STAYING CONNECTED THROUGHOUT CONSTRUCTION

- Dedicated community liaison
- Open and frequent communication with stakeholders and the community
- Communications protocol with Park Board and City of Vancouver



Metro Vancouver's Community Liaison, Shana Hugh, door-knocking in the community



Stanley Park and the Lions Gate Bridge

# Discussion

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