



# Metro Vancouver Backup Power Facility Sunset Beach Park

Park Board Committee Meeting  
September 16, 2019

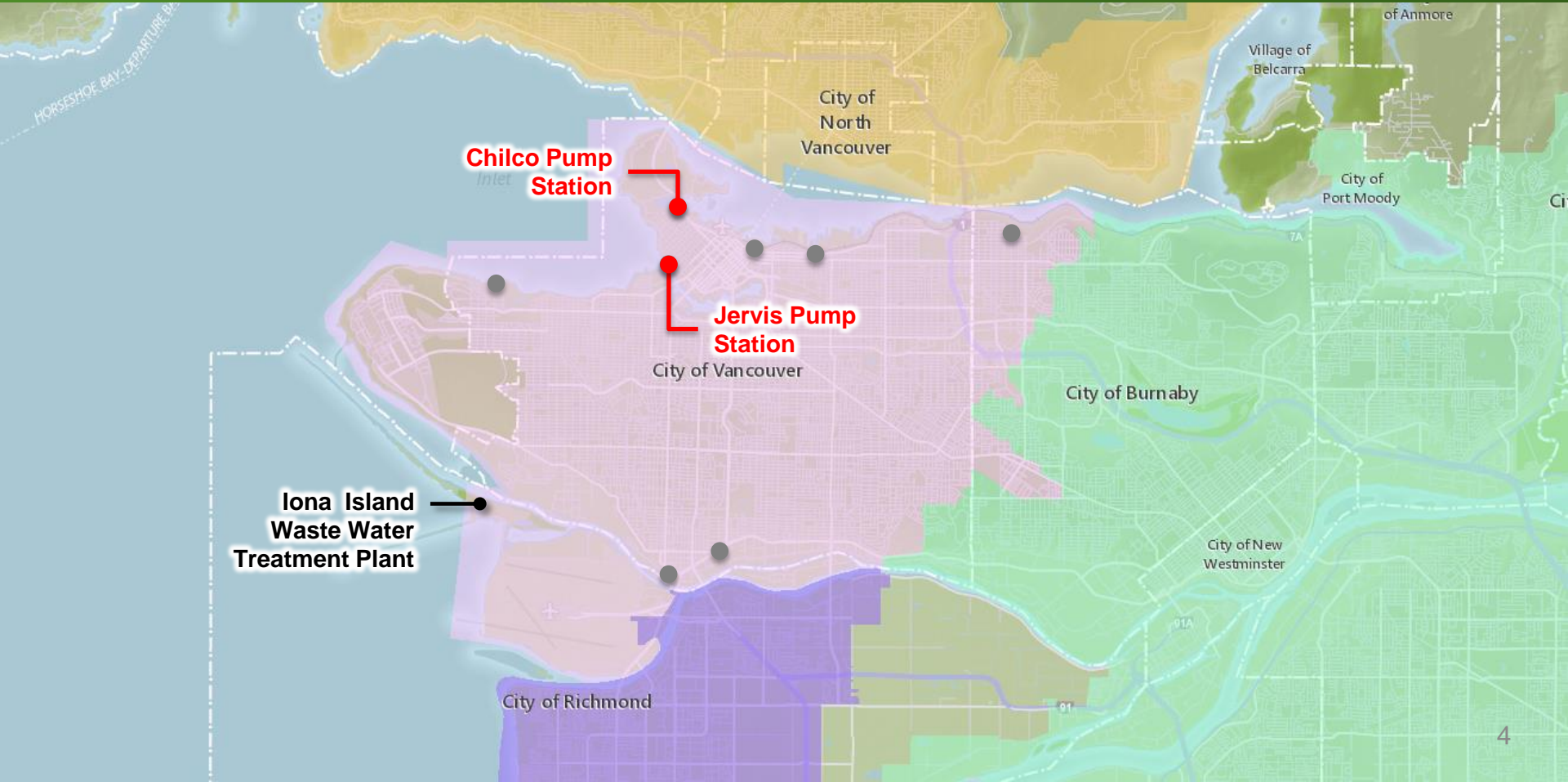


To seek Park Board approval to allow Metro Vancouver to proceed with the detailed design and construction of a new backup generator facility for the Jervis Pump Station, located in Sunset Beach Park.

# Background & Location



# Vancouver Sewage Area Pump Stations



The addition of a backup power facility at the sewer pump stations will:

- provide a reliable power supply to the pump station in the event of a power outage and/or disaster
- minimize sewage backups and spills into English Bay
- protect public health and the environment
- enhance existing facility and provide park benefits

# Area Context



# Project Site



**Seawall**

**Existing Jervis  
Pump Station**

**Existing Water  
Valve Chamber**

**Beach Ave.**

**Jervis St.**

**Pacific St.**

# Proposed Site



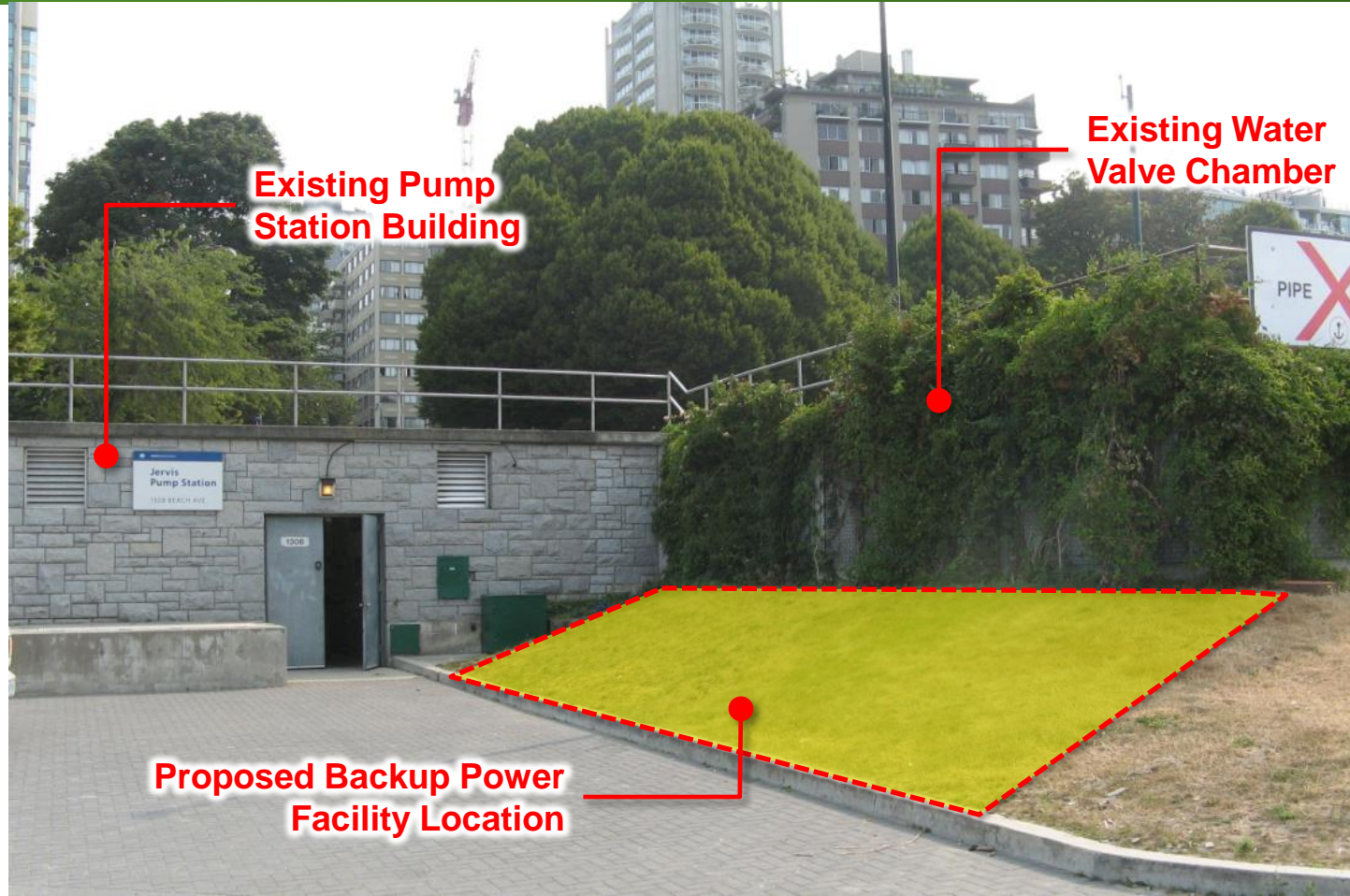
**New Backup  
Generator Building**

**Existing Jervis  
Pump Station**

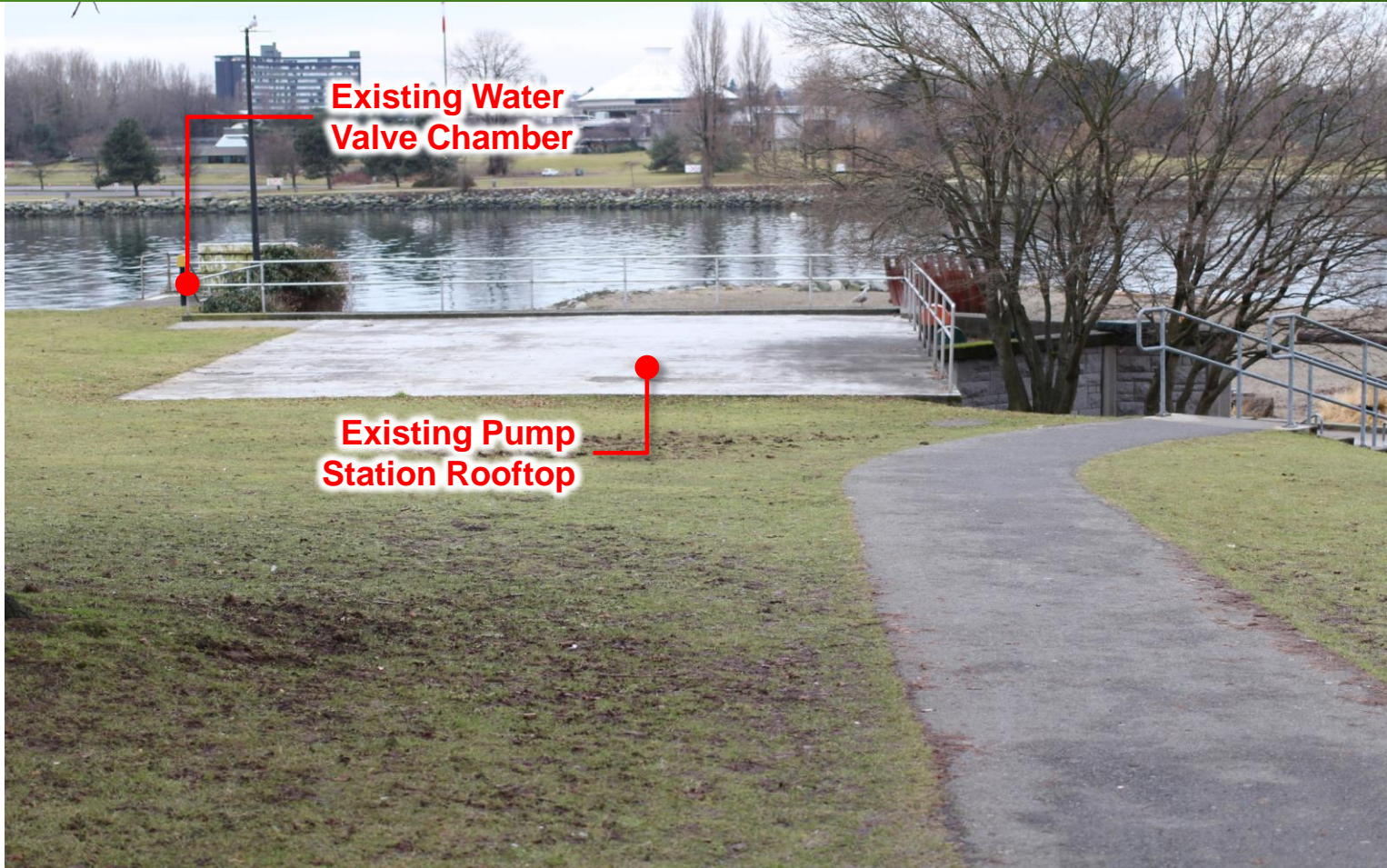
**Existing Water  
Valve Chamber**



# Existing Pump Station & Proposed Generator Location



# Existing Rooftop Area

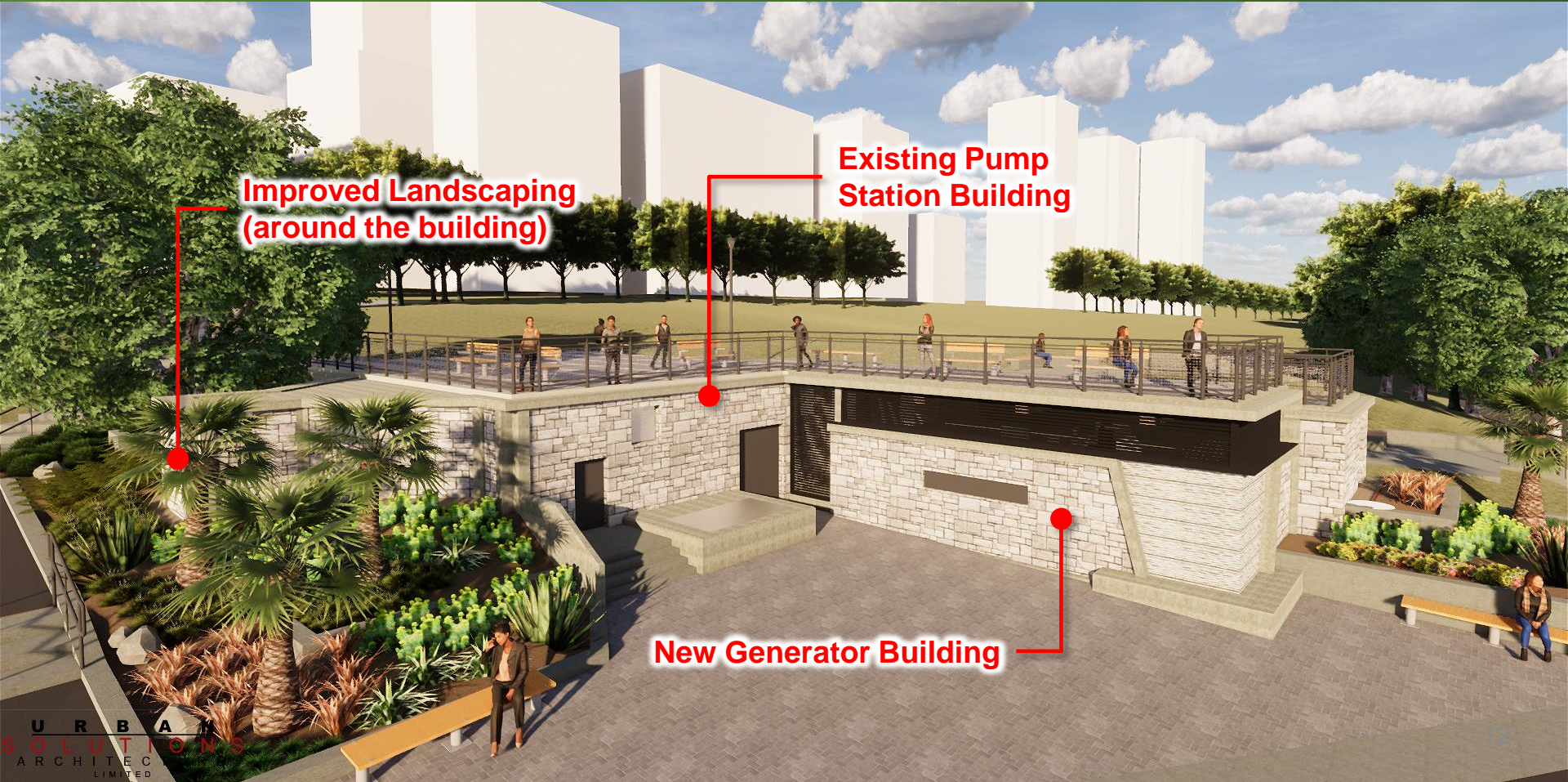




# Project Details



# Seawall Level (looking east)



**Improved Landscaping  
(around the building)**

**Existing Pump  
Station Building**

**New Generator Building**

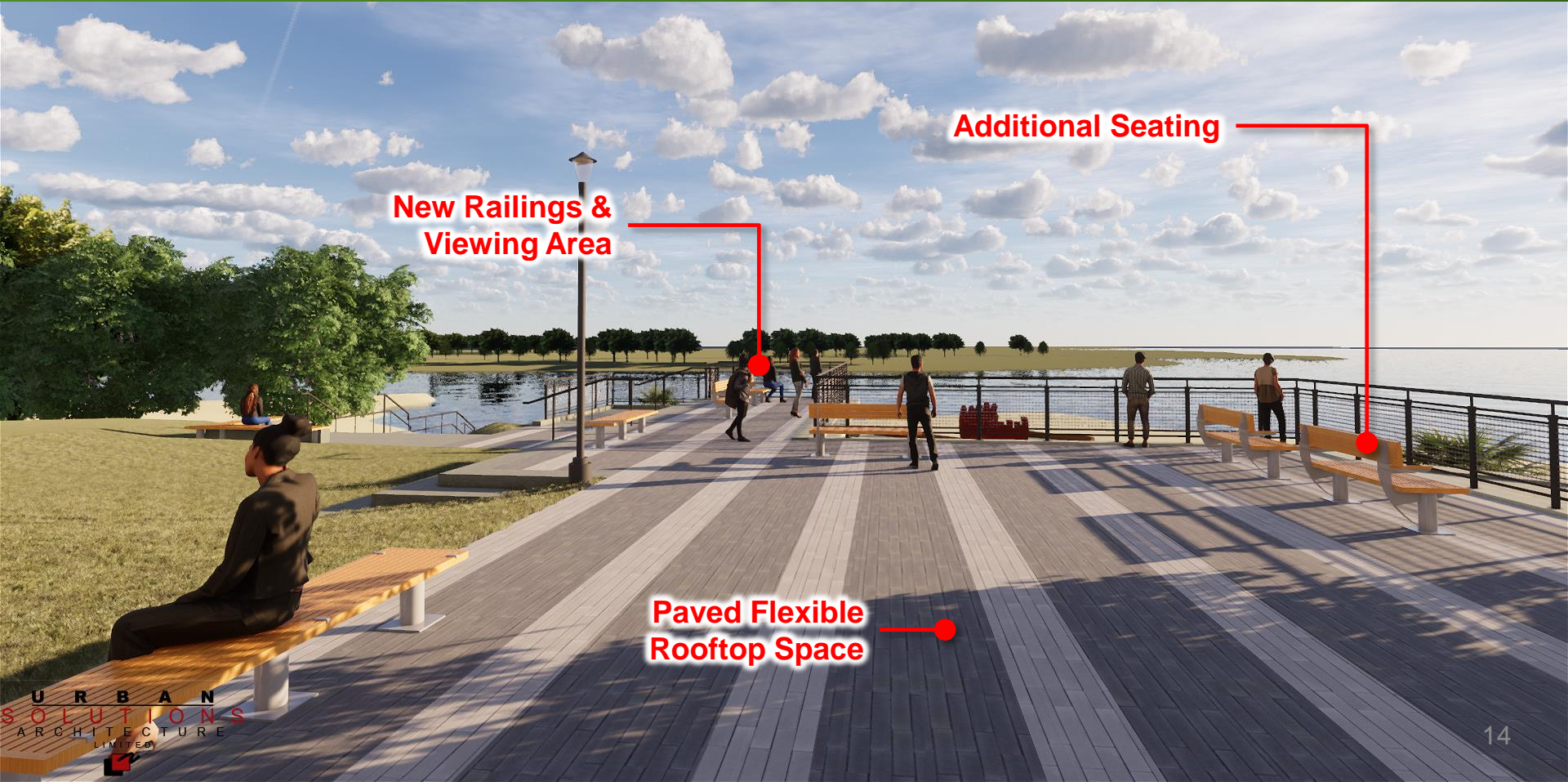
# Seawall Level (looking west)



**Improved Exterior of Existing Water Chamber Building**

**New Seawall Access**

# Rooftop (looking south)



**New Railings &  
Viewing Area**

**Additional Seating**

**Paved Flexible  
Rooftop Space**

# Rooftop (looking west)



# Community Engagement Activities

- Stakeholders included West End residents, Neighbourhood Association, and BIA as well as visitors to Sunset Beach and the seawall
- Local community informed through information signs in the park, notices mailed to residences, social media and a project website
- Open House held at the seawall on June 20 and July 1, 2018
- Approximately 100 people attended and discussed project with Metro Vancouver staff





- General enthusiasm and support for project and proposed design
- Public priorities included:
  - Blend new building into existing context and the natural landscape
  - Improve safety and cleanliness around existing facility
  - Maximize flexibility of the public space
  - Minimize detour of seawall traffic during construction

- Metro Vancouver initiated discussion with the First Nations rights holders in early 2018
- Initial project notification letter sent to Musqueam, Squamish and Tsleil-Waututh Nations, follow-up letters sent in 2019
- Metro Vancouver will carry out further engagement with the Nations during detailed design to ensure input from the Nations is incorporated into the final design
- Archaeological Overview Assessment completed in 2018
- Archaeological monitoring will occur during construction
- Staff will not finalize the construction licence agreements until Metro Vancouver has demonstrated approval by Musqueam, Squamish, and Tsleil-Waututh First Nations

- Project aligns with the Board's VanPlay Goals, including:
  - Protect existing parks and recreation spaces from loss, encroachment and densification
  - Foster a system of parks and recreation spaces that are safe and welcoming to all
- Design approach takes into account the development of West End Waterfront Master Plan
  - Self-contained with Metro Vancouver's existing footprint
  - Rooftop spaces are designed to be flexible to accommodate future changes

# Next Steps & Construction Timeline

<b>Task</b>	<b>Date</b>
Park Board Approval (Pending)	September 2019
Completion of Detailed Design	Summer 2020
Completion of First Nations Engagement	Summer 2020
Completion of Development & Building Permits	Summer 2020
Finalize Legal Agreements with Park Board	Summer 2020
Tender Award Target	Summer 2020
Start of Construction	Fall-Winter 2020
Completion of Construction	Mid 2021

- A. THAT the Vancouver Park Board authorize Metro Vancouver to proceed with the detailed design and construction of a new backup generator facility for the Jervis Pump Station, located in Sunset Beach Park; and
  
- B. THAT the Vancouver Park Board direct staff to prepare and execute construction licence agreements and legal right of way documents to outline the construction, future use and access to the pump station, to the satisfaction of the General Manager, Vancouver Board of Parks and Recreation, and Legal Services.

