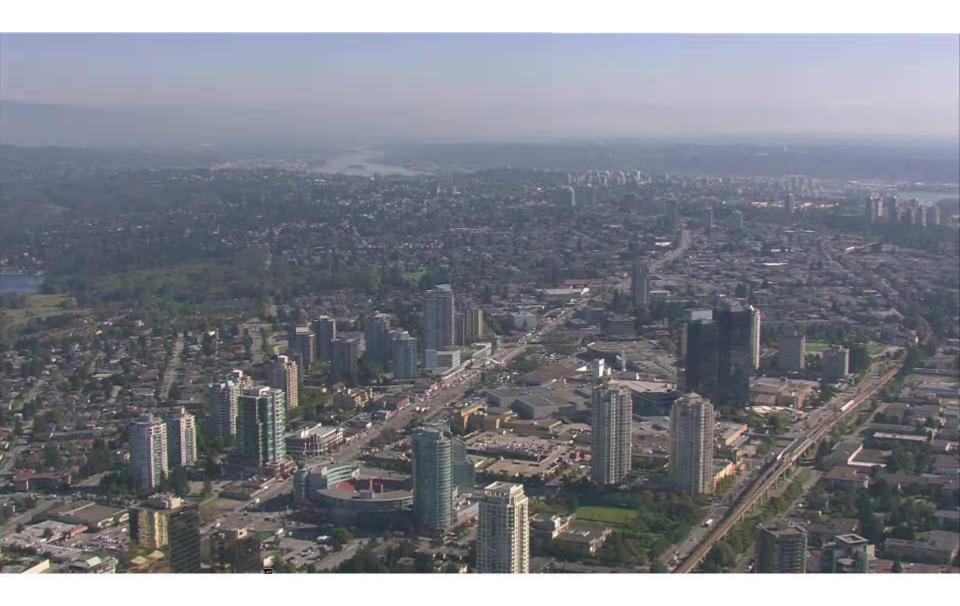


A Journey to Connect the Past to the Present - Columbia Street Pump Station

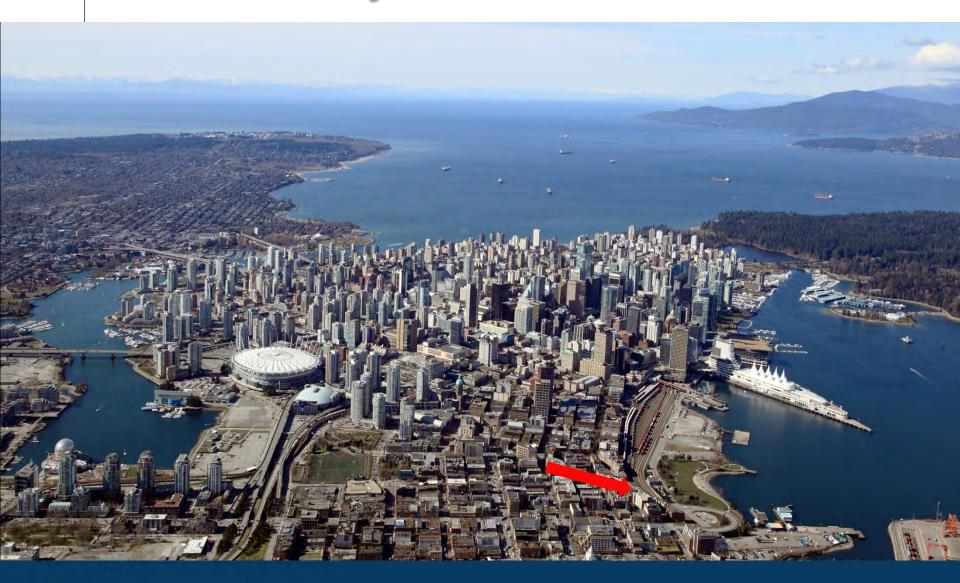
Simon So, P.Eng.

Deputy Manager, Engineering & Construction Metro Vancouver, Canada

IRBC Conference 2012 / Helsinki November 28, 2012

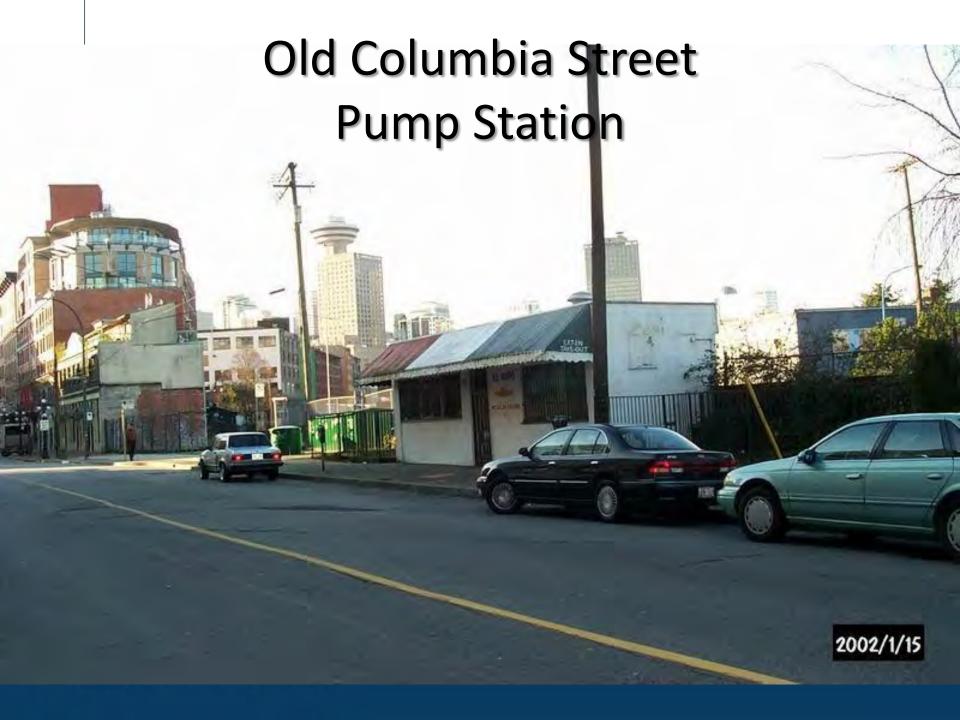


Project Location



Old Columbia Street Pump Station





Major Issues

Local opposition

Narrow site

Property issues –
 Railway Company, City of Vancouver

 Proximity to active railways

 Old Utilities and Subsurface Unknowns

 Potential heritage building status



Gastown in 1911 looking West down Alexander Street

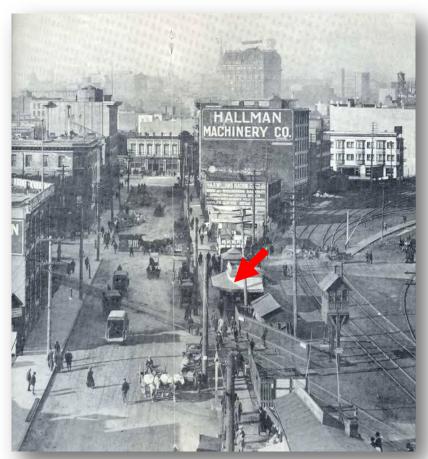


Image G-06818 courtesy of Royal BC Museum, BC Archives (1911)

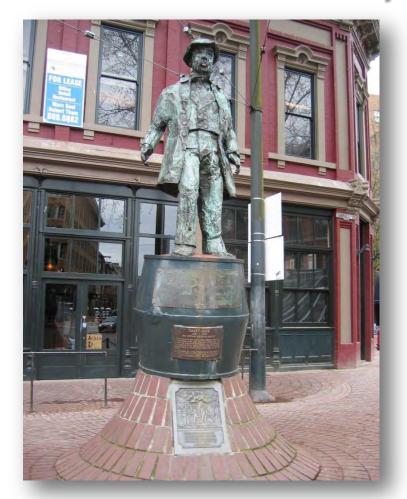


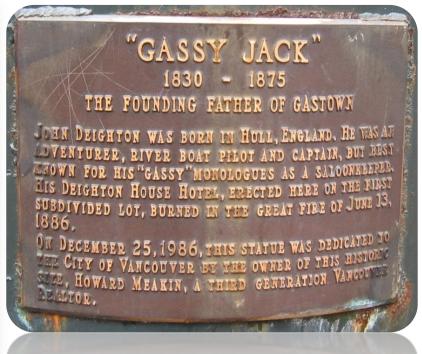
On the road...



In the air...

Gassy Jack





The Old Maple Tree

"Here stood the old maple tree under whose branches the pioneers met in 1885 and chose the name Vancouver for the City"



Sustainability through Innovation

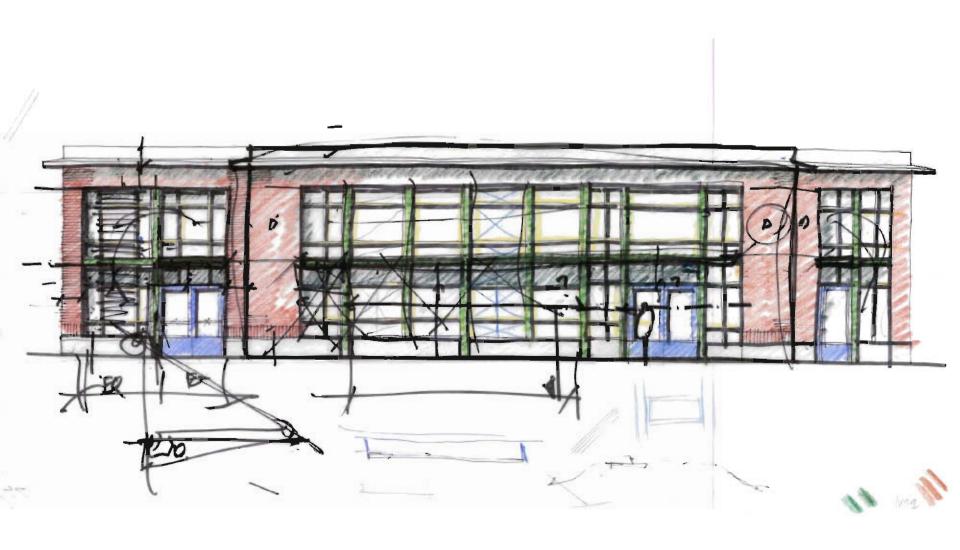
- Protect and enhance the natural environment
- Provide for ongoing prosperity
- Build community capacity and social cohesion

Public Engagement

- Construction Management Plan
- Operations Management Plan
- Issues:
- noise
- construction schedule / working hours
- pedestrians safety
- worker vehicle parking
- air quality / dust control
- protection of utility services
- communications with community during construction

Architectural Design - Heritage





Architectural Design – Open and Modern



Interpretative Program & Public Art

- 'to connect'
- Histories of the site including first nations, early settlers
- Cultural and economical diversity of the area
- Pipes flowing under the City to the treatment plant
- Sewage treatment to the health and safety of the city
- Quality of water to sustain future generations

Information Exchange amount Local Historians

- Local Artist Sheila Hall was selected
- Theme "to connect"
- Photographs, Words,
 Video and Artwork
- Art Agreement
 - Copyright
 - Moral Rights



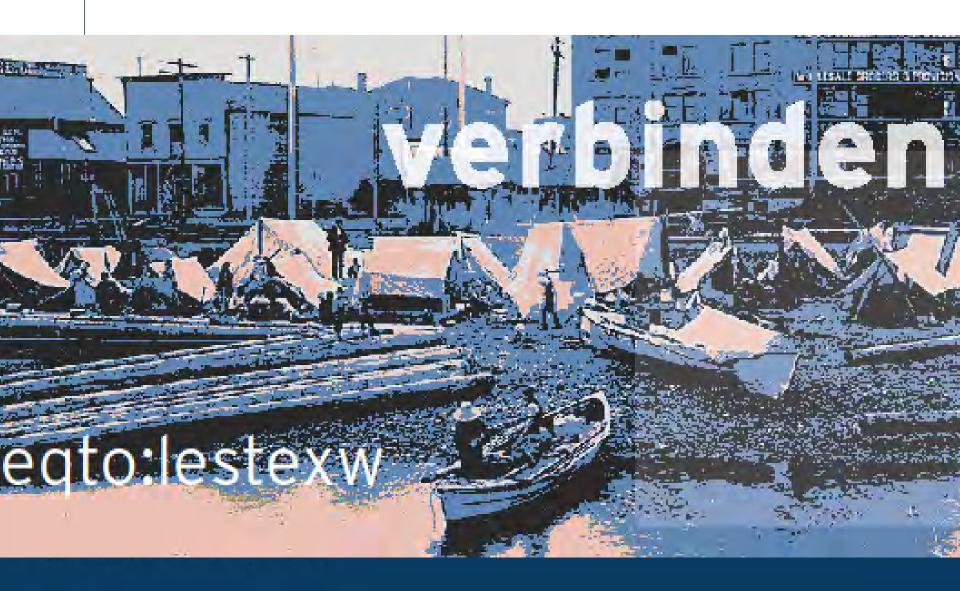
Artistic Panel in English



Artistic Panel in French



Artistic Panel in Dutch



Artistic Panel in Italian

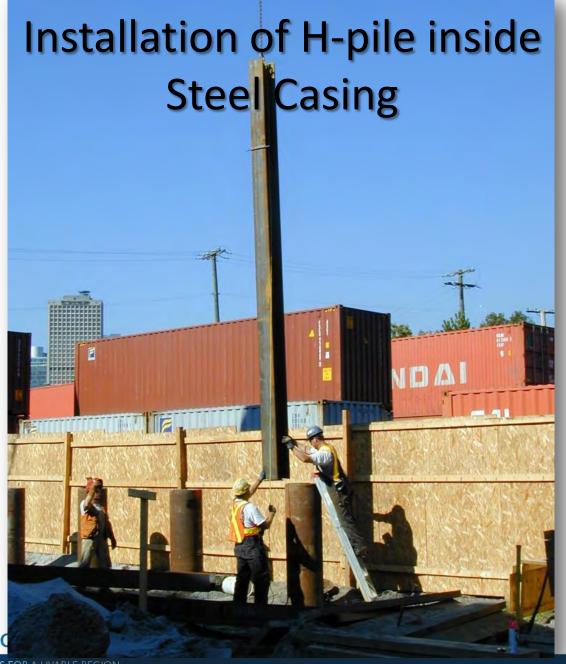


Artistic Panels on Hoarding









Excavation Complete



Excavator Lifted out of the Hole







Shortcreted Wall Complete









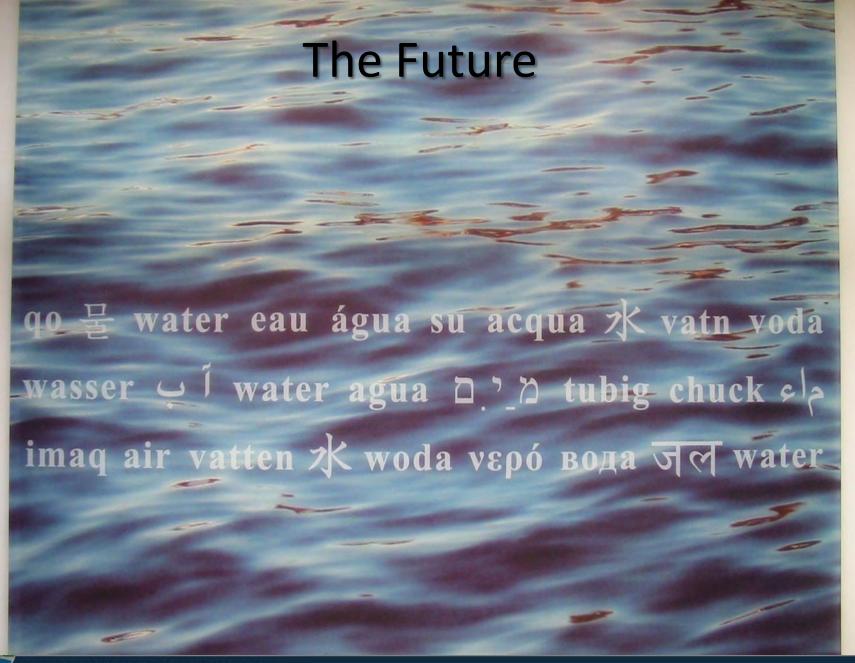


The Present









West Side of the Building – Text and Image









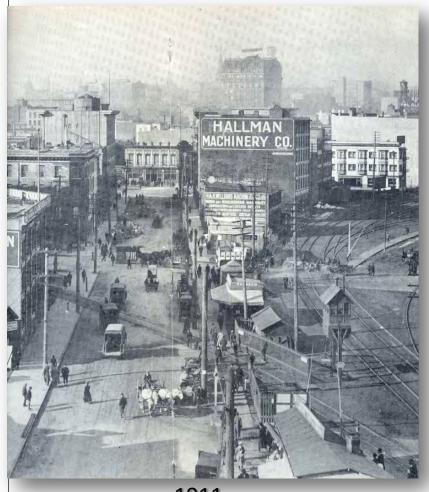
New Columbia Street Pump Station



CEBC Awards Ceremony



"to connect"





1911

2011



