

# **Taking A New Road:**

Developing A Smart North East False  
Creek 3D Model

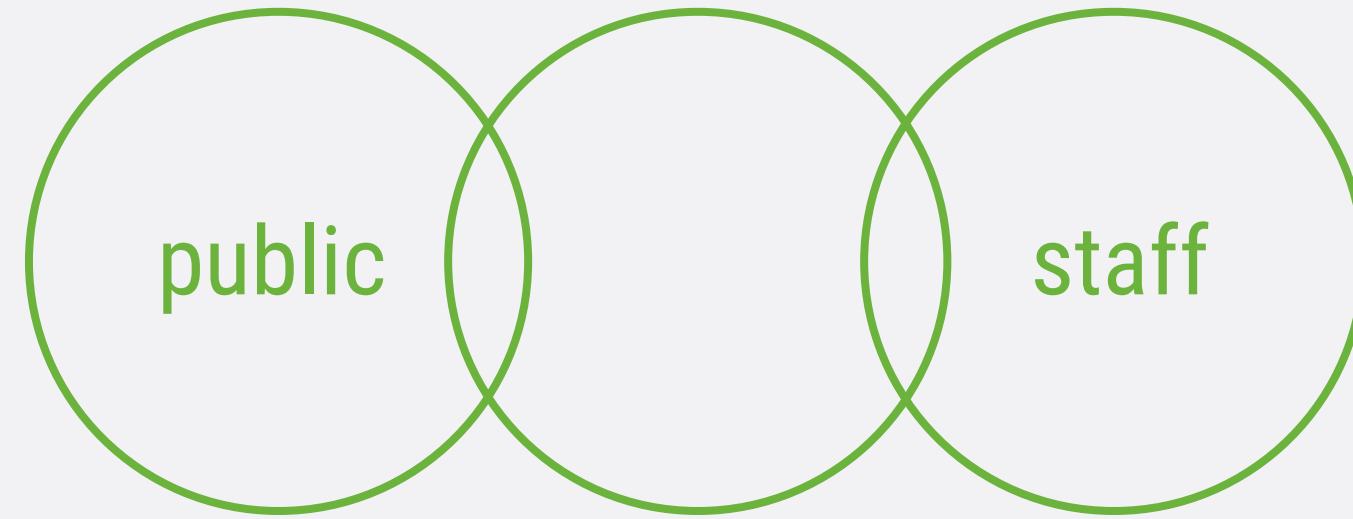
# International Criminal Court



**the dental floss of**  
**local government**



# engagement model?



big project  
very important

# project timeline

concept

planning

implementation

public engagement

jan feb mar apr may jun jul aug sep oct nov dec

phase 1 – concept

01/01

01/03

phase 2 – planning

01/03

01/08

phase 3 – implementation

01/08

31/12





Home Insert Annotate Modify Analyze View Manage Output Survey Autodesk 360 Help Express Tools Geolocation

Back Forward Orbit Extents Top Bottom Left View Manager

2D Wireframe Opacity 60 World

Named Join Restore Viewport Configuration

Toolspace UCS Icon View Cube Navigation Bar

Switch Windows File Tabs Layout Tabs

Tile Horizontally Tile Vertically Cascade

Toolbars

Start Drawing1\*

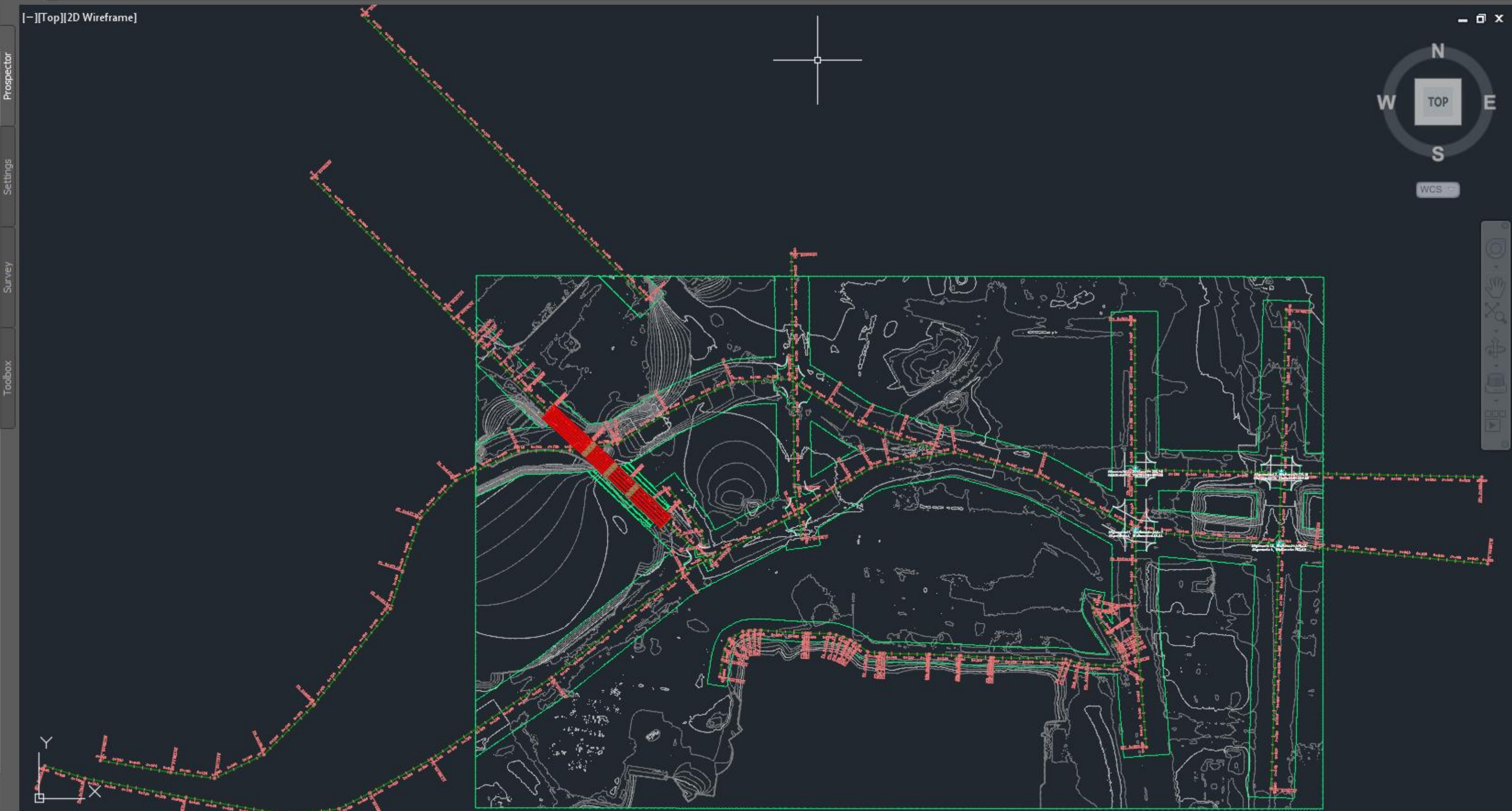
TOOLSPACE

Active Drawing View

Drawing1

- Points
- Point Groups
- Point Clouds
- Surfaces
- Alignments
- Feature Lines
- Sites
- Catchments
- Pipe Networks
- Pressure Networks
- Corridors
- Assemblies
- Intersections
- Survey
- View Frame Groups
- Data Shortcuts
- Surfaces
- Alignments
- Pipe Networks
- Pressure Networks
- Corridors
- View Frame Groups

Prospector Settings Survey Toolbox



Navigation and tool icons for the drawing environment, including pan, zoom, and view manipulation tools.



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Autodesk AutoCAD Civil 3D 2017 Drawing1.dwg

Home Insert Annotate Modify Analyze View Manage Output Survey Autodesk 360 Help Express Tools Geolocation

2D Wireframe

Viewports: X2 X3, Viewport Configuration, X2 X3, Named, Join, Restore

Palettes: Toolspace, UCS Icon, View Cube, Navigation Bar

Interface: Switch Windows, File Tabs, Layout Tabs, Tile Horizontally, Tile Vertically, Cascade, Toolbars

Start Drawing1\*

TOOLSPACE [-][Top][2D Wireframe]



# Digital Deception

There are lies,  
damn lies,  
and visualizations

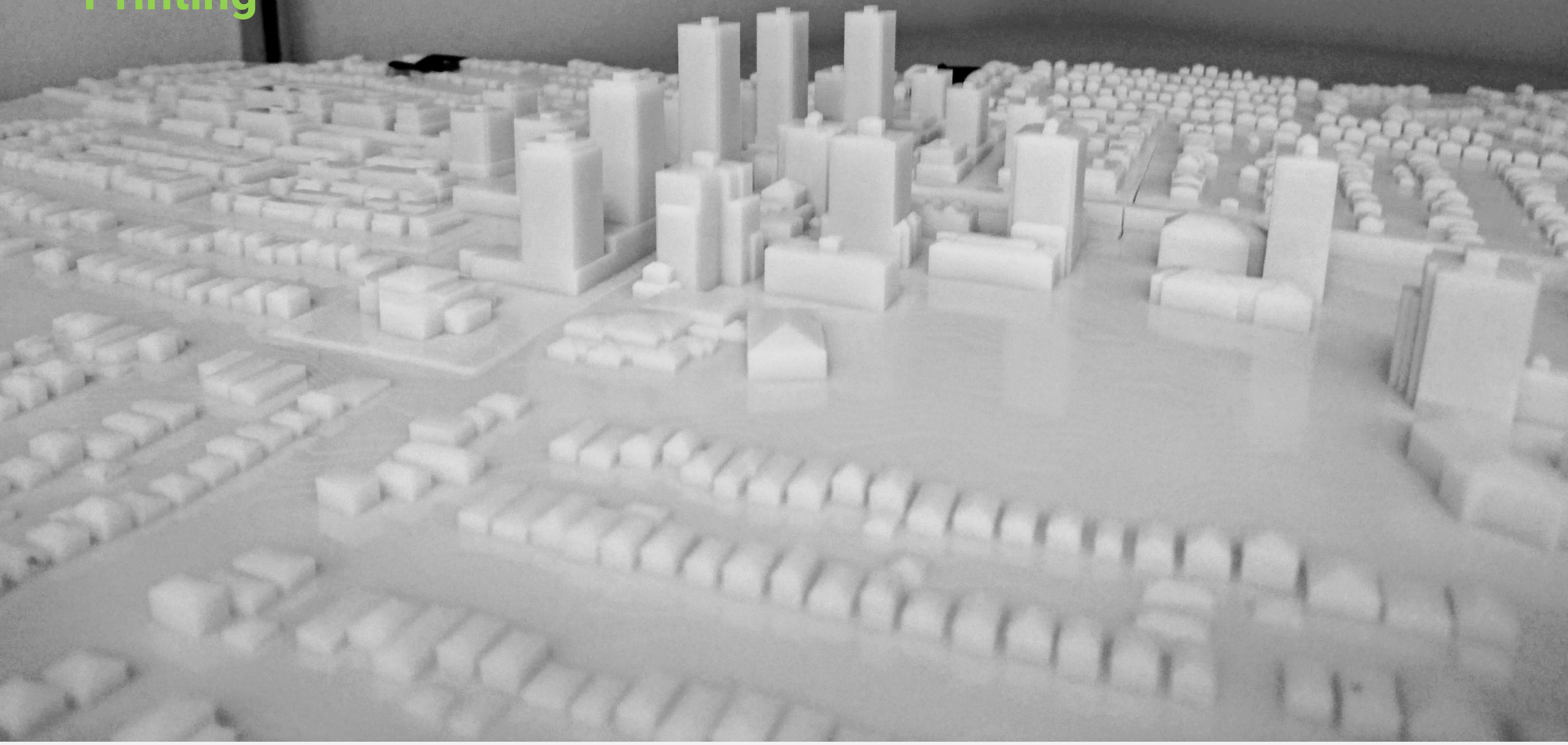


engagement  
ring





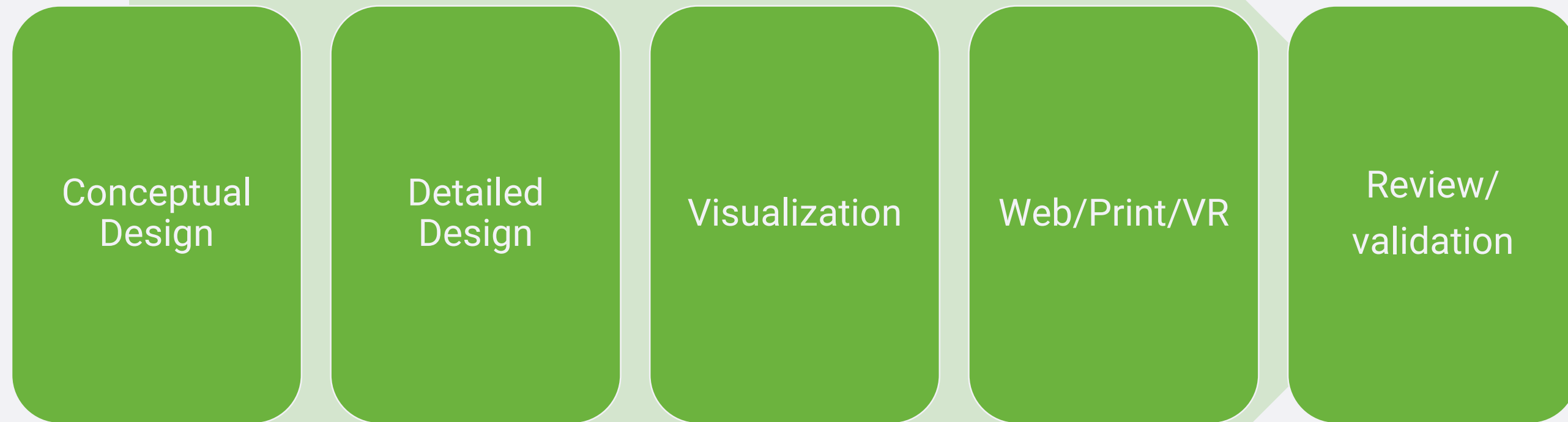
# 3D Printing



# Smart City Smart People



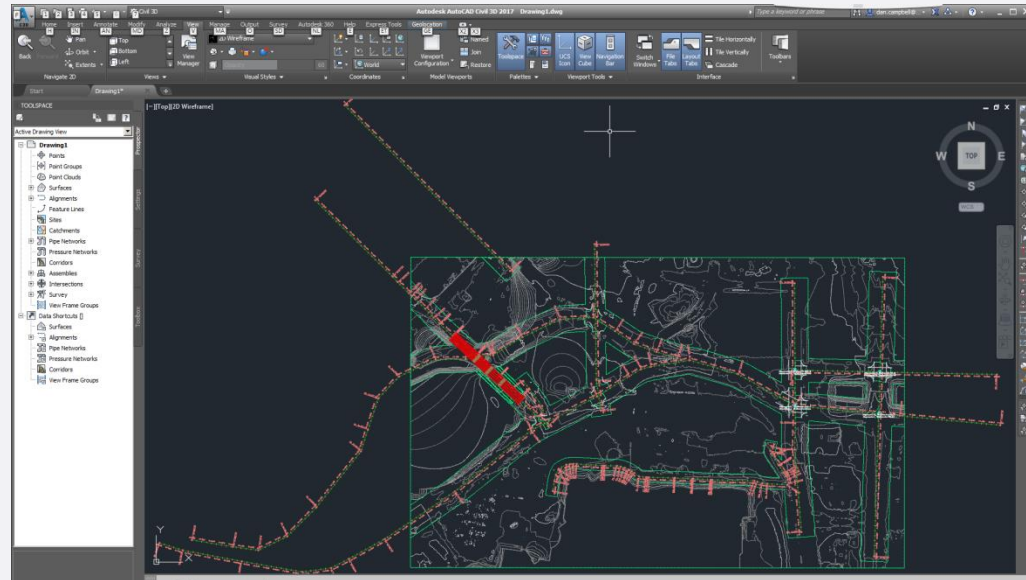
# Data Workflow

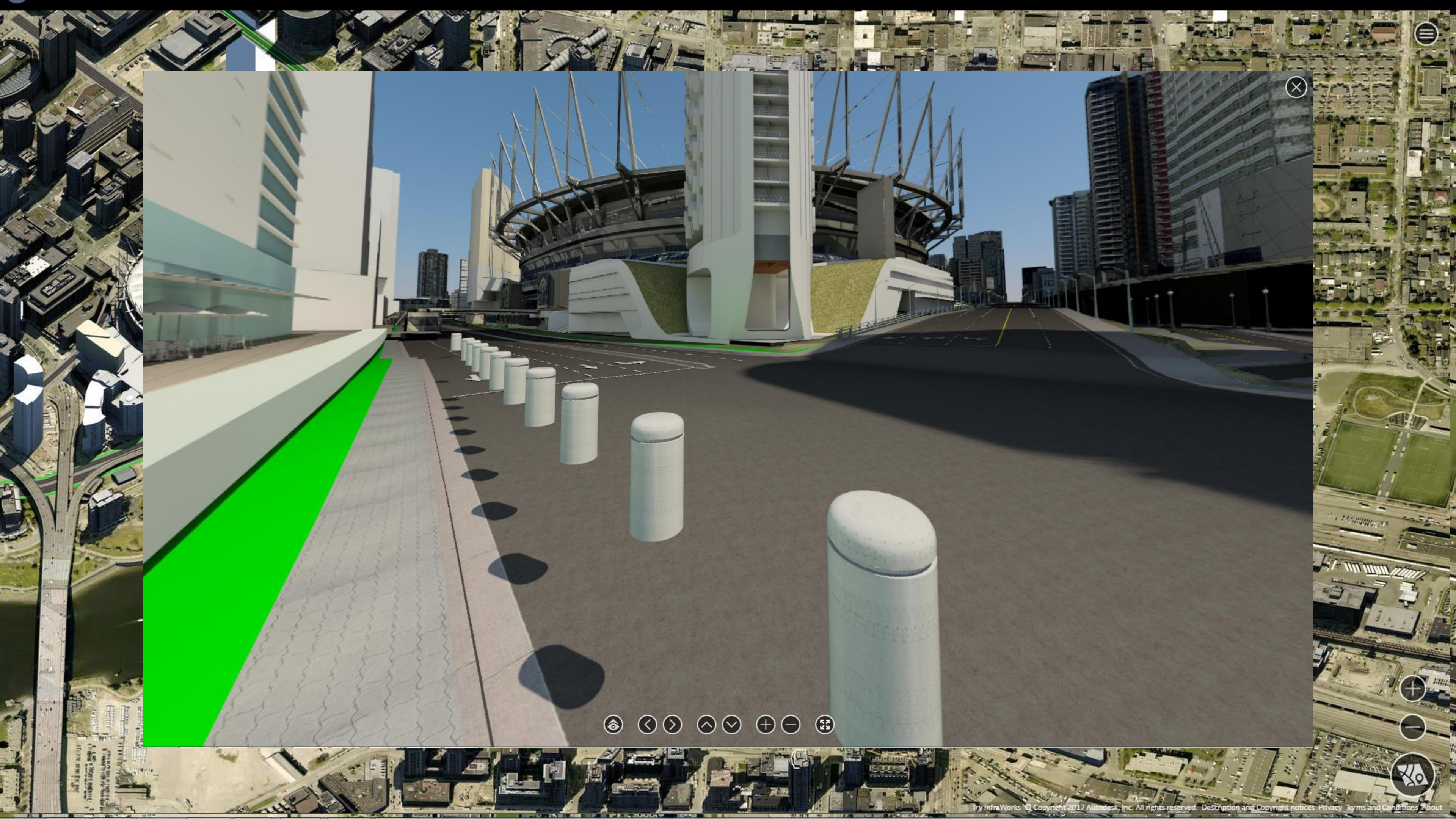


Comprehensive data-model to support full life-span of project

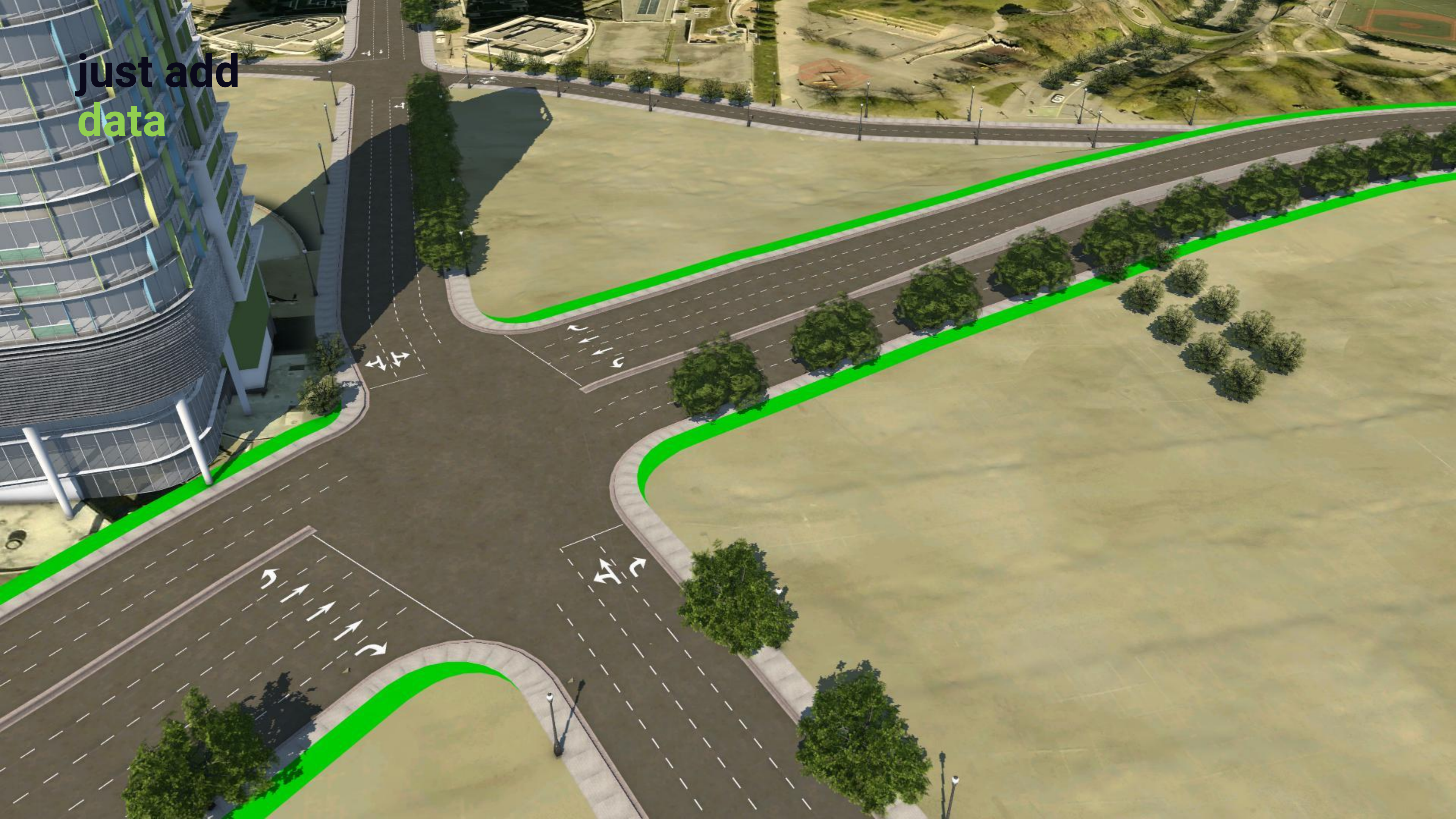


# finding the sweet spot

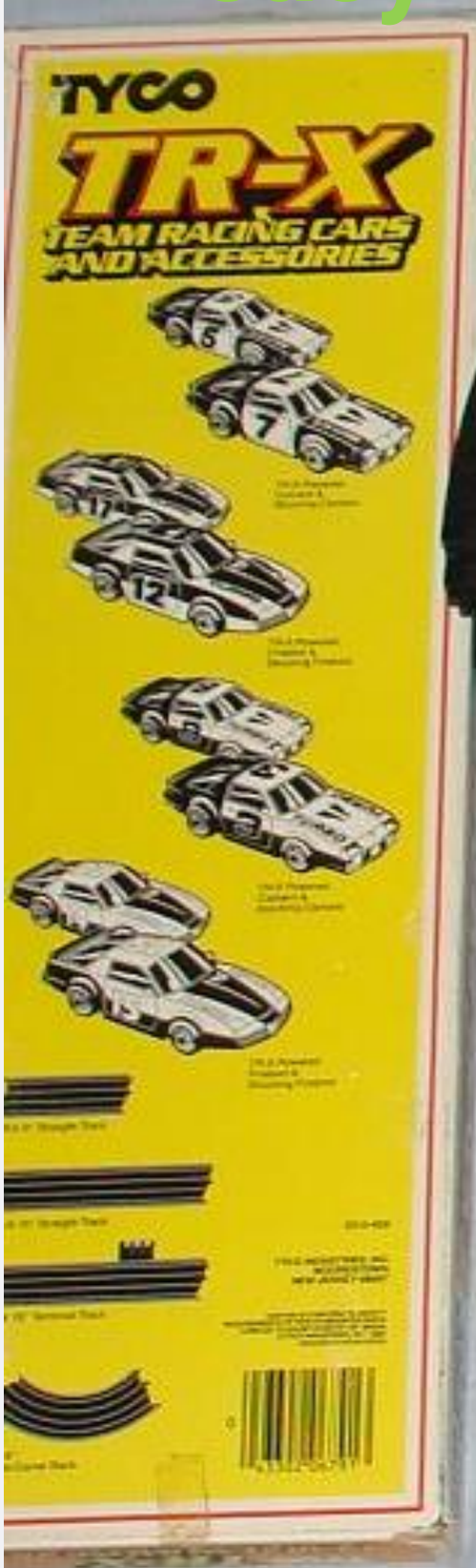




just add  
data



make things  
easy





**engage by default**

make the process seamless and constant



**enrich the data**

it will pay for itself ten-fold



**people  $\geq$  data**

often scary but worth it



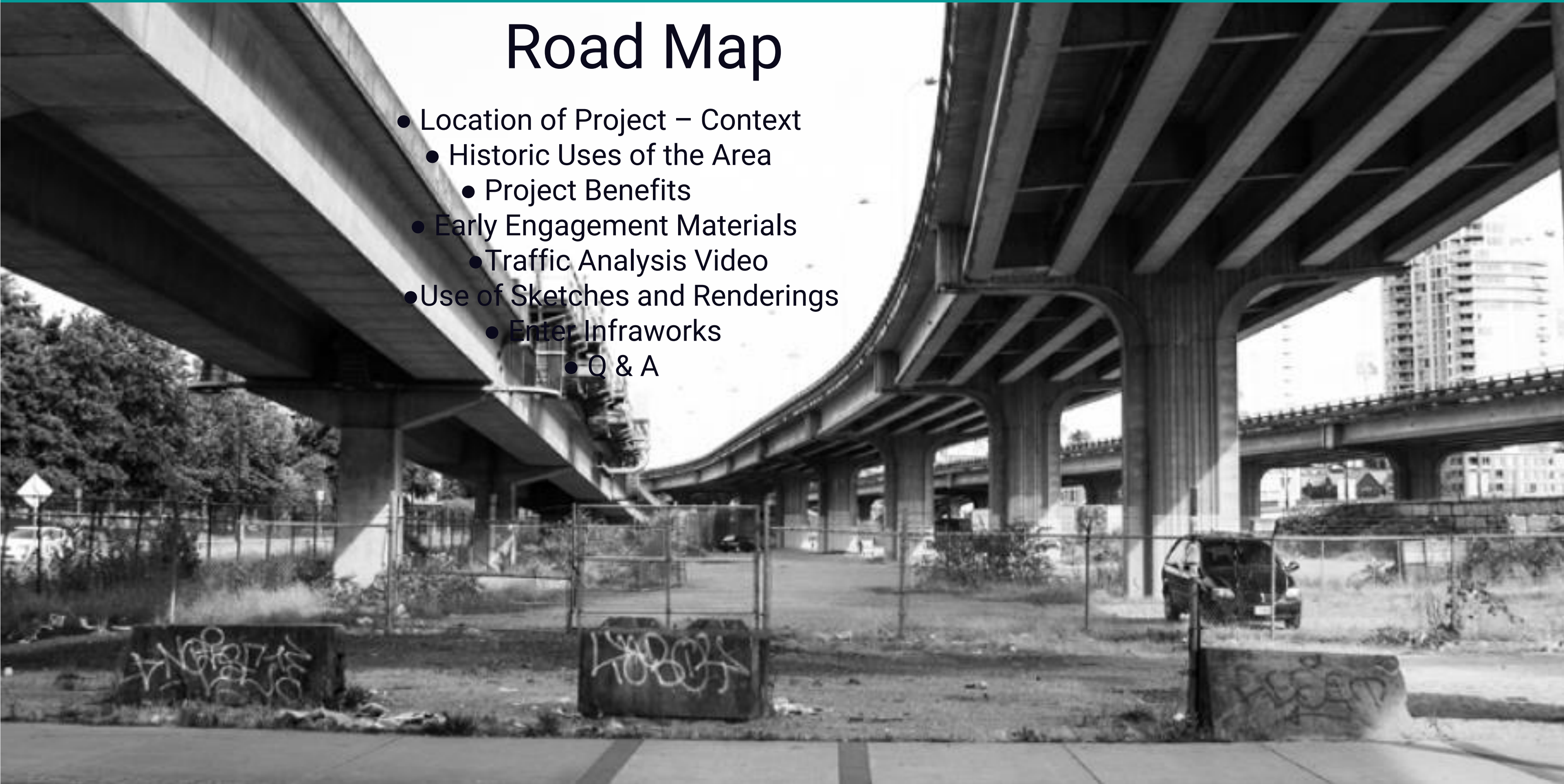
**Northeast False Creek**  
**Taking A New Road: Developing A Smart**  
**Northeast False Creek 3D Model**

URISA Presentation  
June 15, 2017

# Northeast False Creek

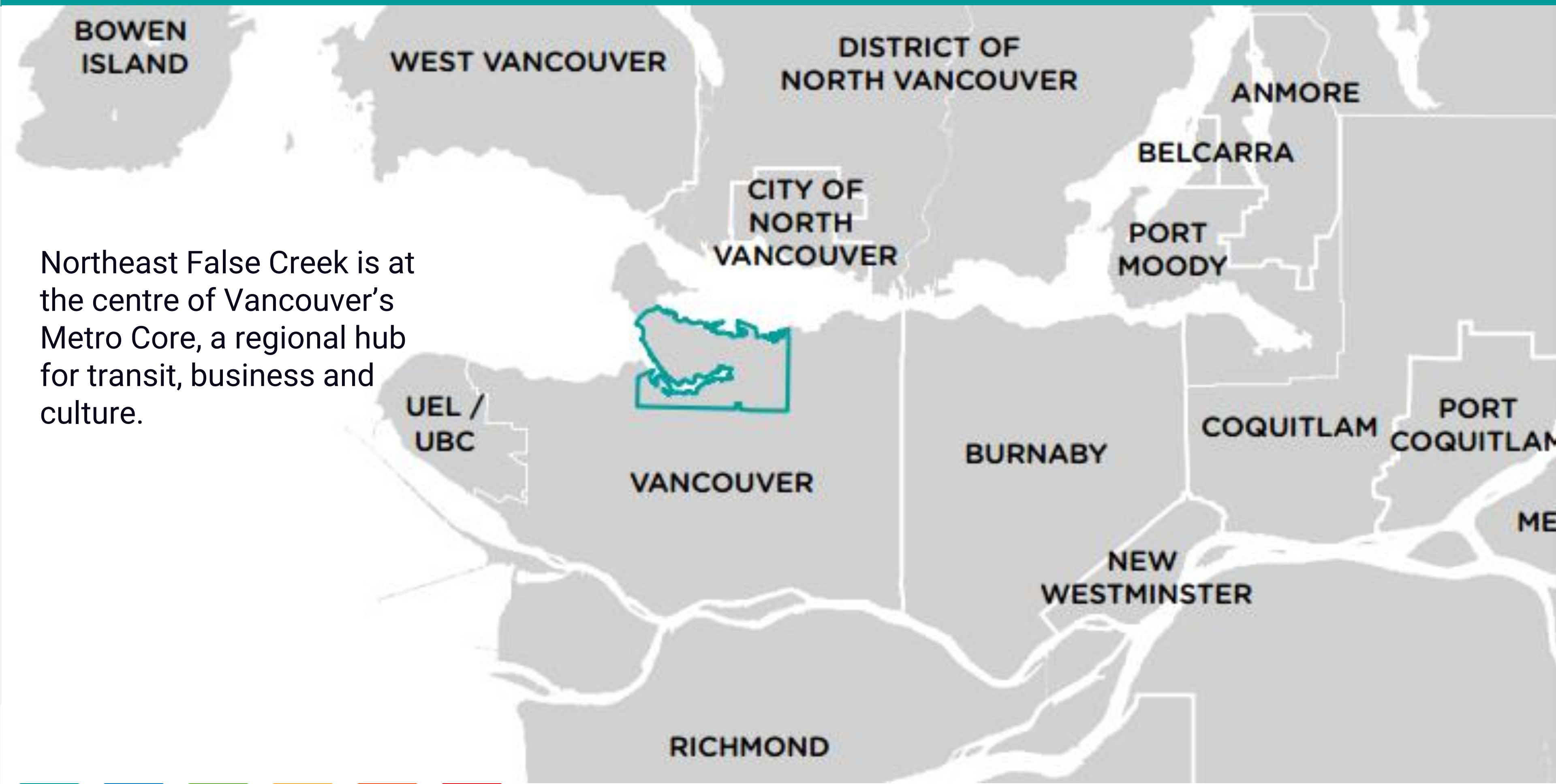
## Road Map

- Location of Project – Context
  - Historic Uses of the Area
  - Project Benefits
- Early Engagement Materials
  - Traffic Analysis Video
- Use of Sketches and Renderings
  - Enter Infraworks
  - Q & A



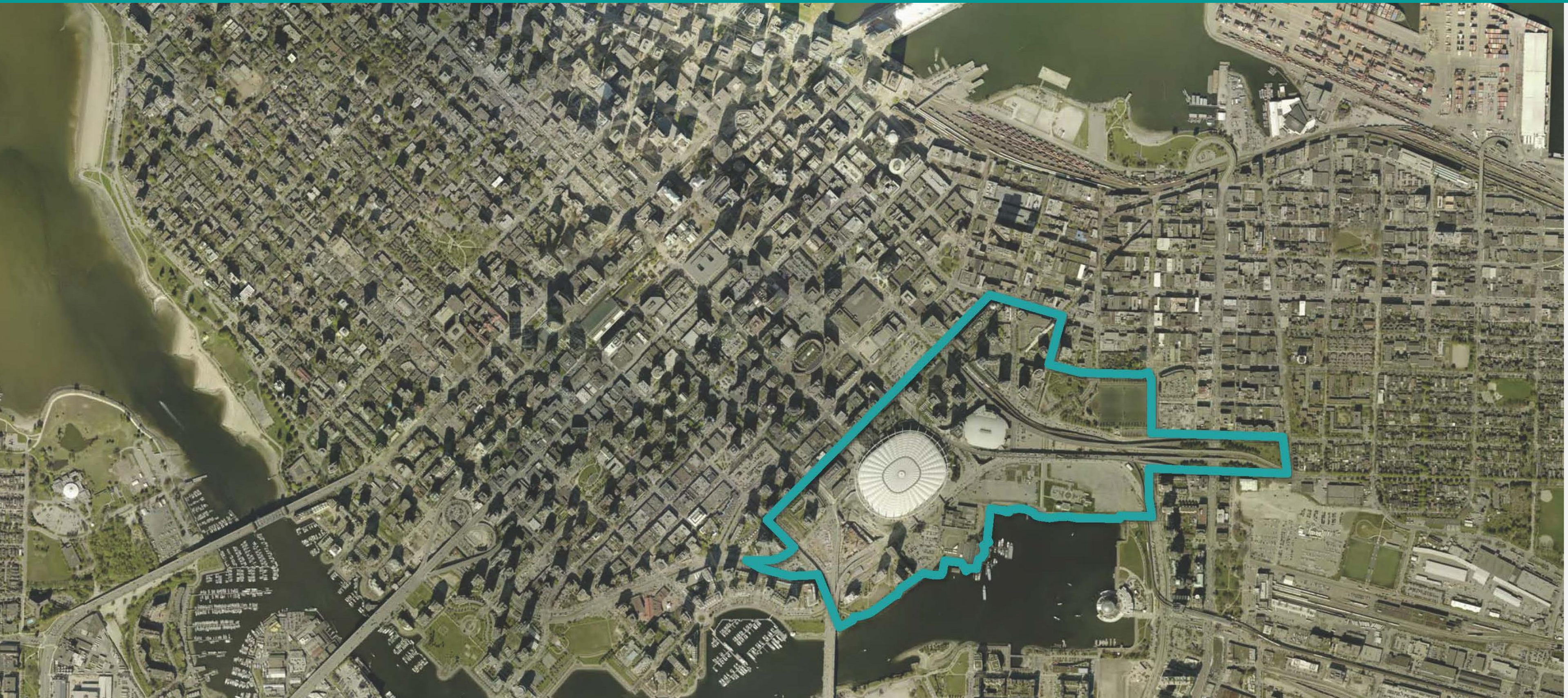
# Northeast False Creek

Northeast False Creek is at the centre of Vancouver's Metro Core, a regional hub for transit, business and culture.





# Northeast False Creek

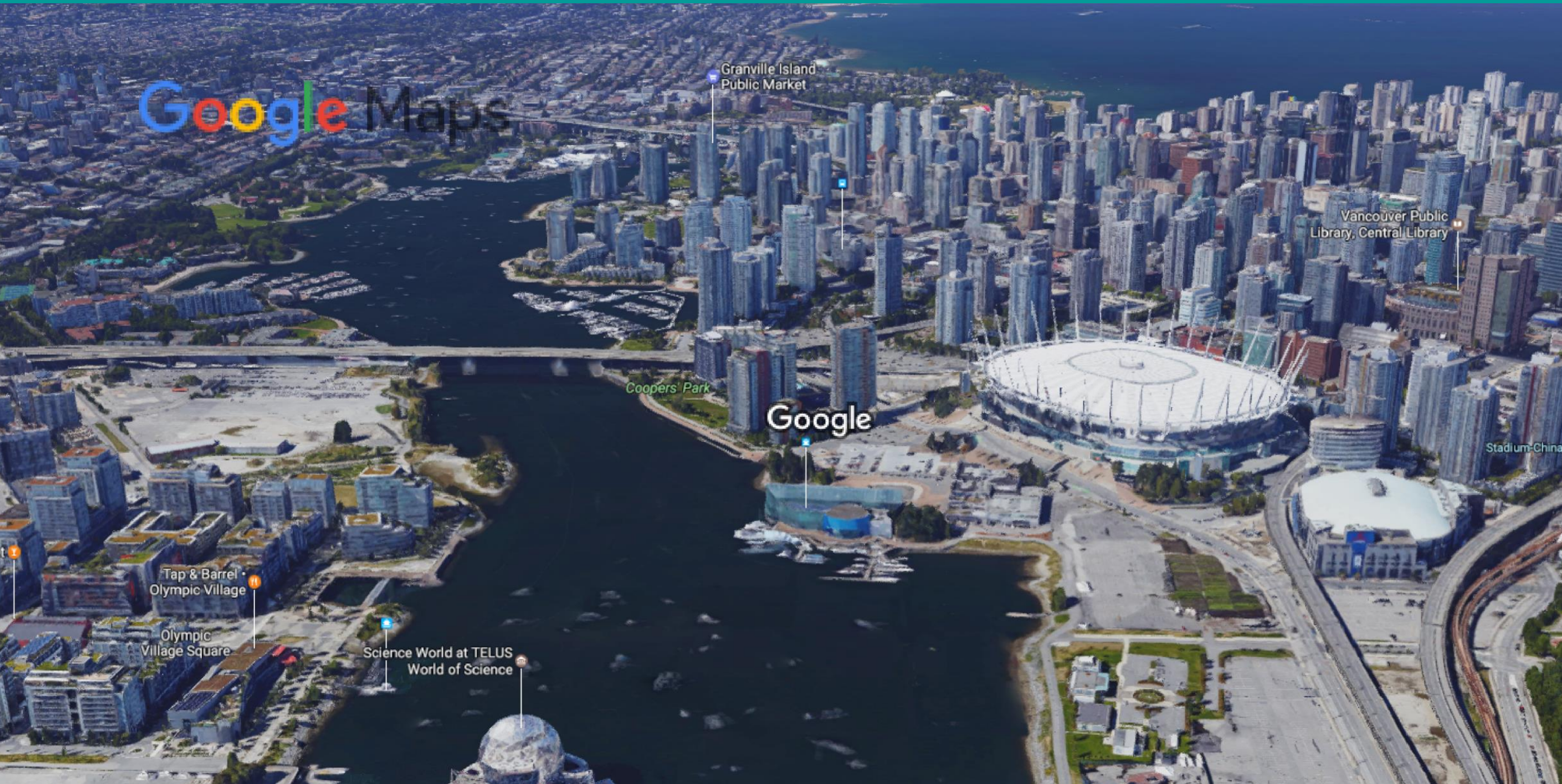


Northeast False Creek (NEFC) represents approximately 58 hectares of mostly undeveloped land along downtown's False Creek waterfront. This is equivalent to approximately 10% of the downtown peninsula (not including Stanley Park)

# Northeast False Creek - Pre-Expo 86 (early 1980s)



# Northeast False Creek - Pre-Expo 86 (early 1980s)



# Northeast False Creek

An architectural sketch of a city waterfront development. The sketch shows a mix of high-rise buildings, lower residential structures, and green spaces. A river or creek flows through the center, with several circular green areas that could be parks or open spaces. The background features rolling hills. Six yellow callout boxes with black text are overlaid on the sketch, providing key statistics for the project.

**\$1B Total Public Benefit Value**

**6,000-8,000  
New Jobs**

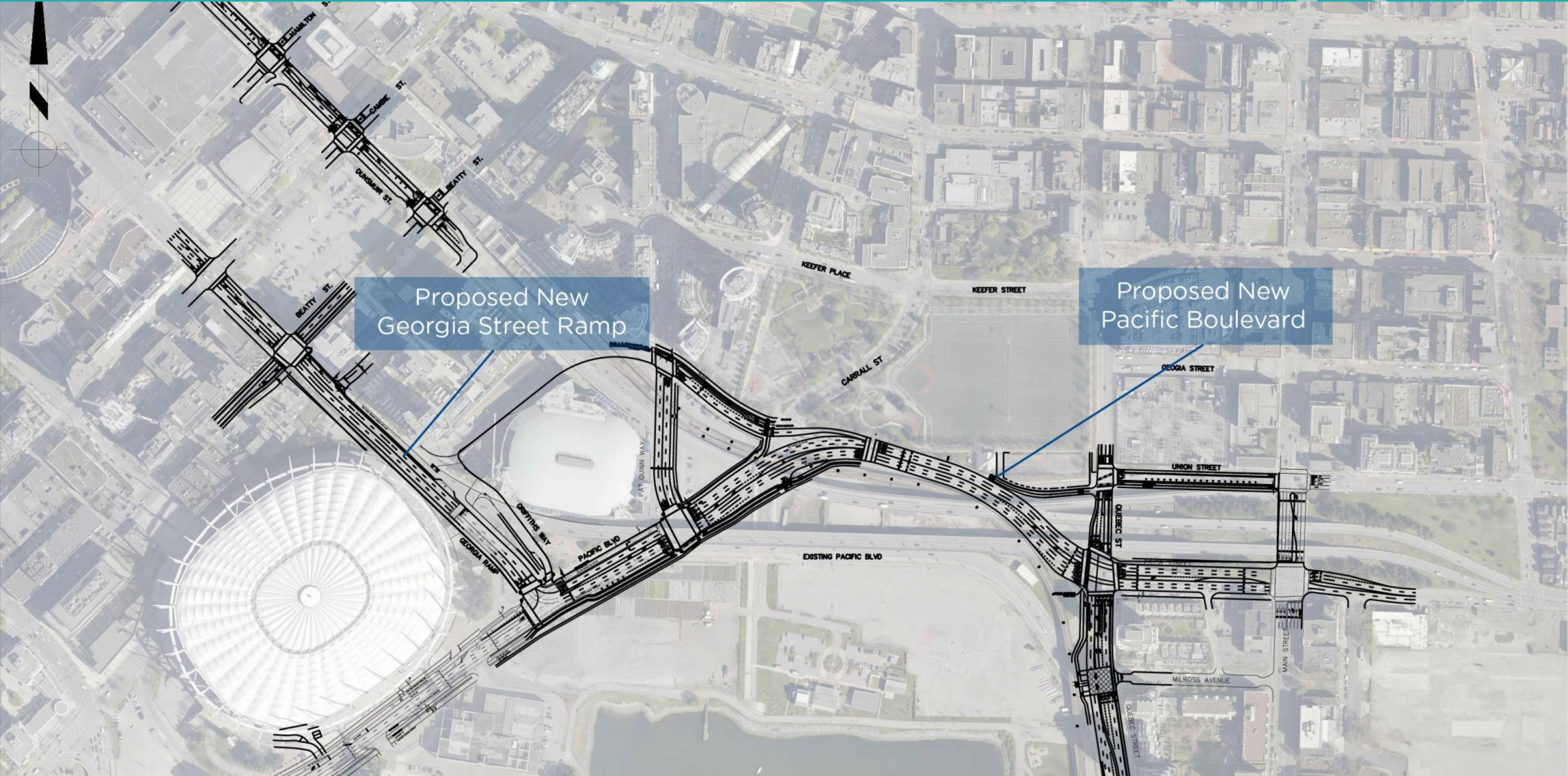
**10,000-12,000  
New Residents**

**18.1 Acres of New  
Parks and Open Spaces**

**1.8 Million sq.ft.  
of Job Space**

**~1,800 Social  
Housing units**

# Northeast False Creek

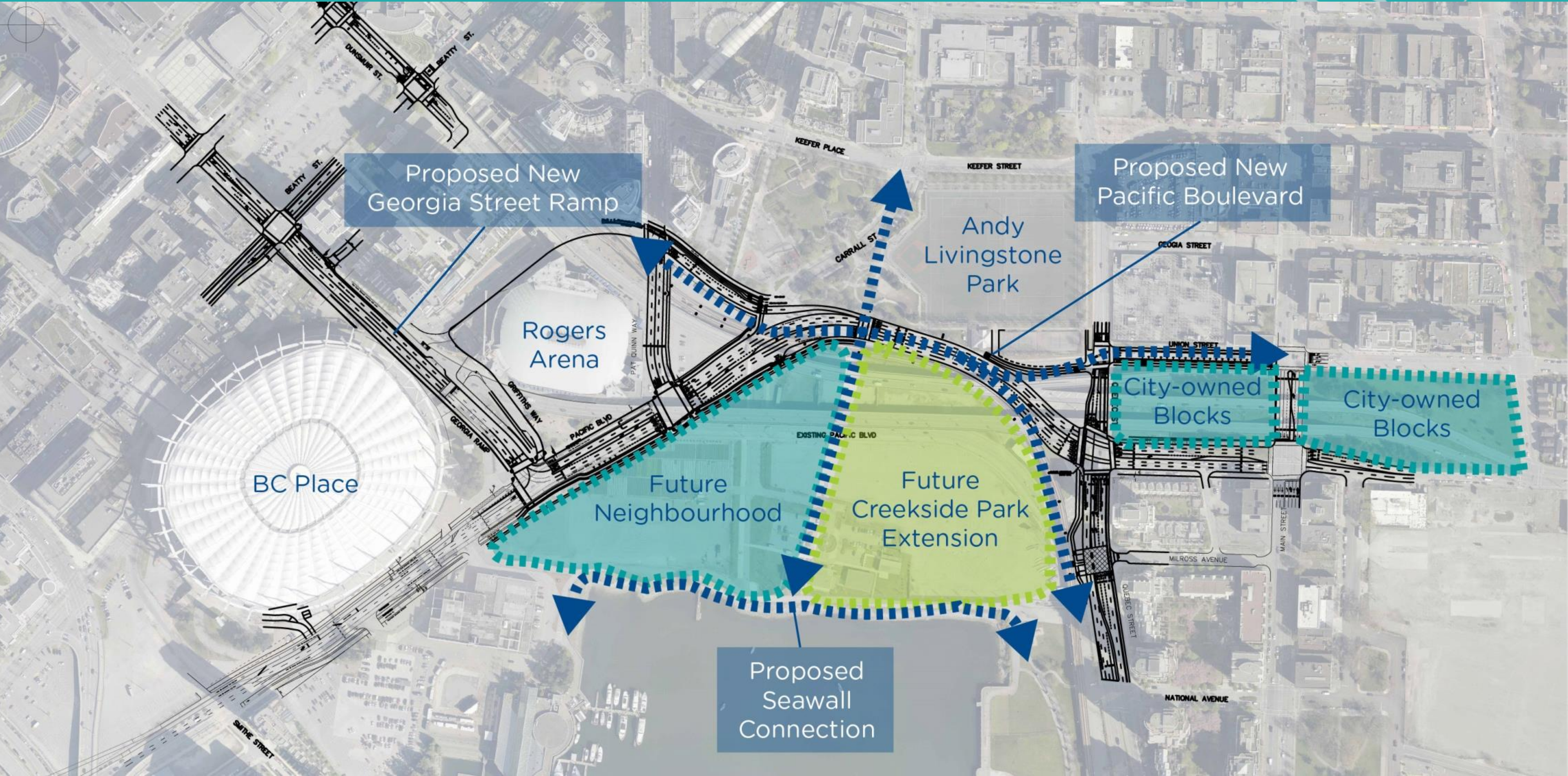


Proposed New Georgia Street Ramp

Proposed New Pacific Boulevard

EXISTING PACIFIC BLVD

# Northeast False Creek



Proposed New Georgia Street Ramp

Proposed New Pacific Boulevard

Rogers Arena

Andy Livingstone Park

BC Place

Future Neighbourhood

Future Creekside Park Extension

City-owned Blocks

City-owned Blocks

Proposed Seawall Connection

# Northeast False Creek

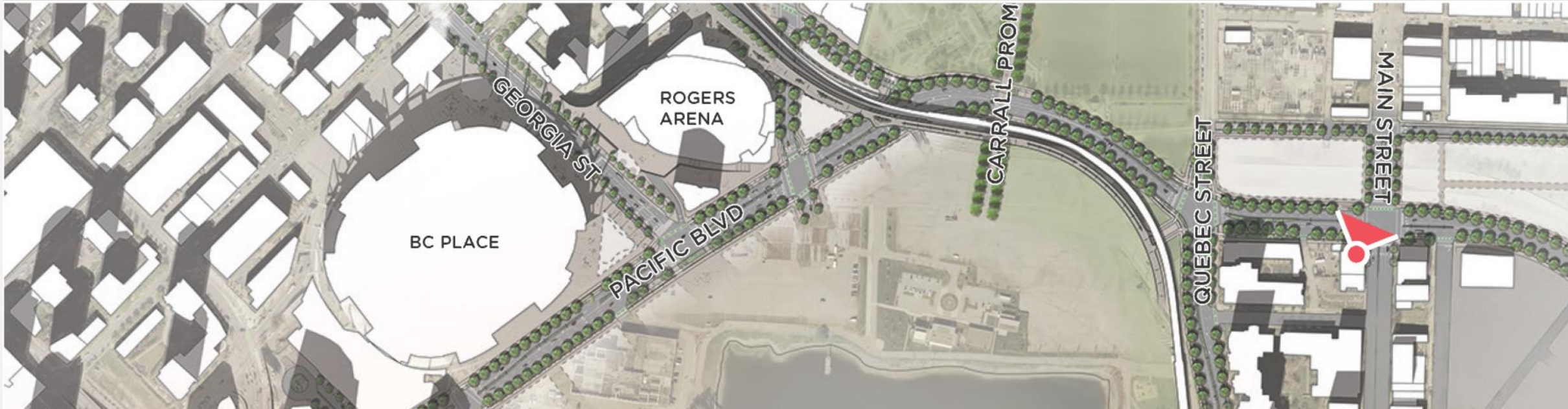


# Northeast False Creek

Main Street - Today



Main Street - Before



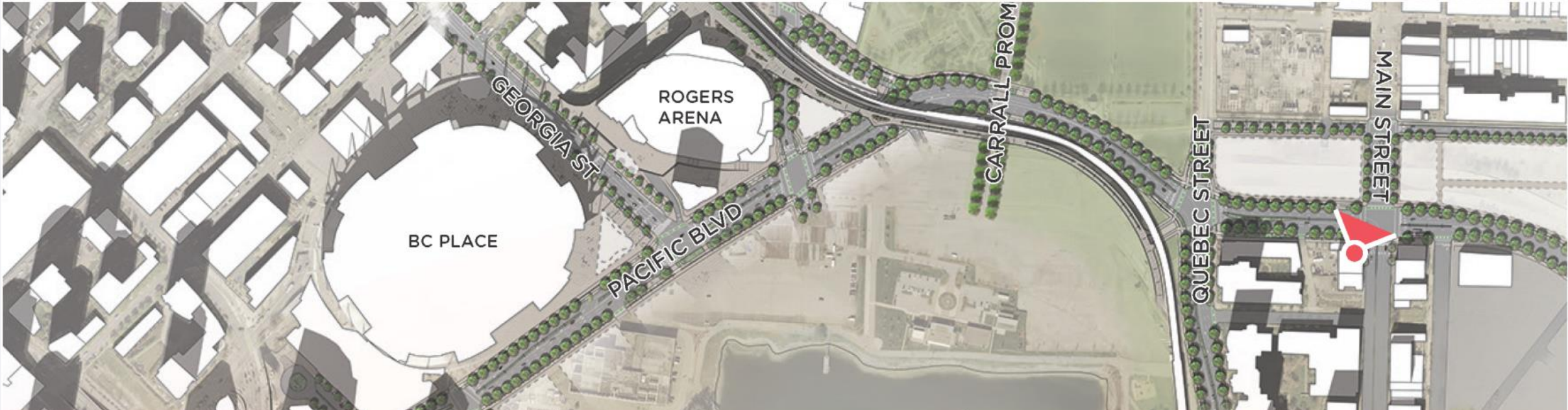


# Northeast False Creek

Main Street - Future



Main Street - After

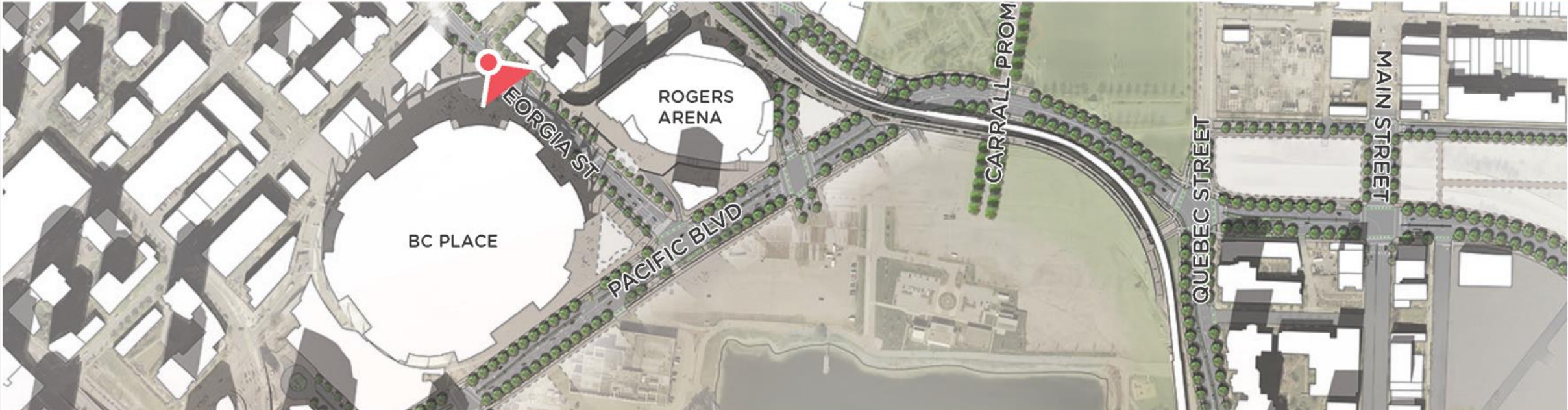


# Northeast False Creek

Georgia Viaduct - Today



Georgia Street - Before

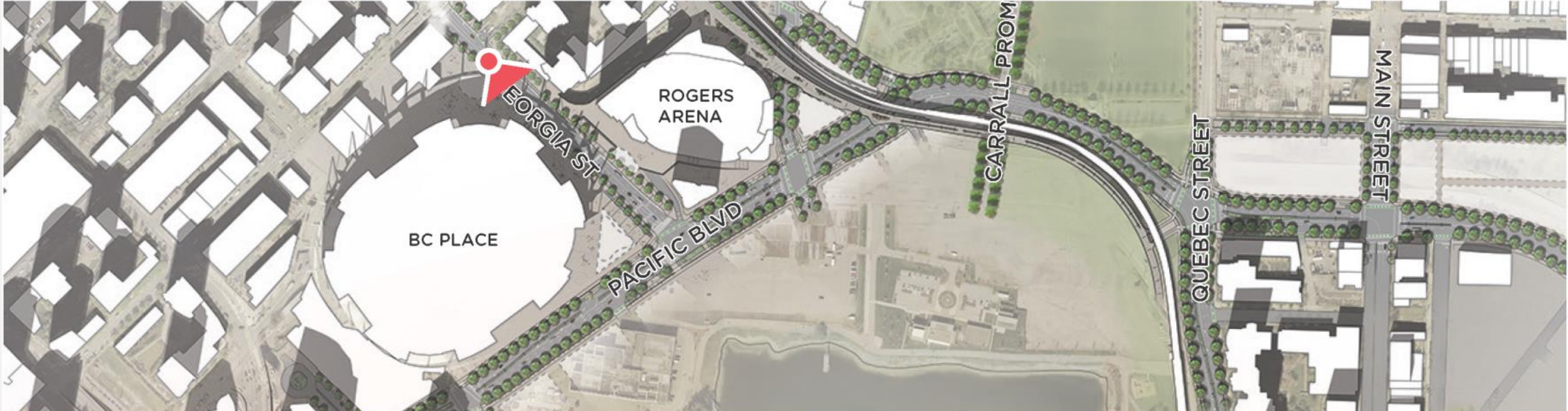


# Northeast False Creek

## Georgia Street Extension - Future

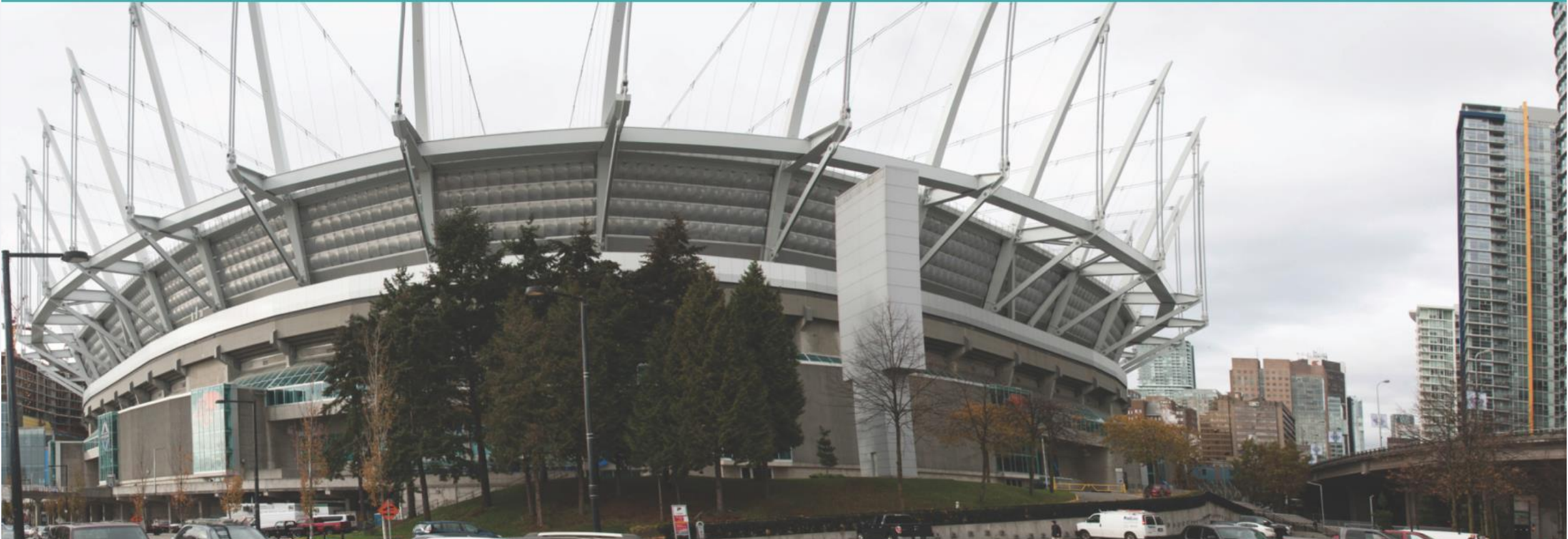


**Georgia Street - After**



# Northeast False Creek

Pacific at Georgia Street - Today

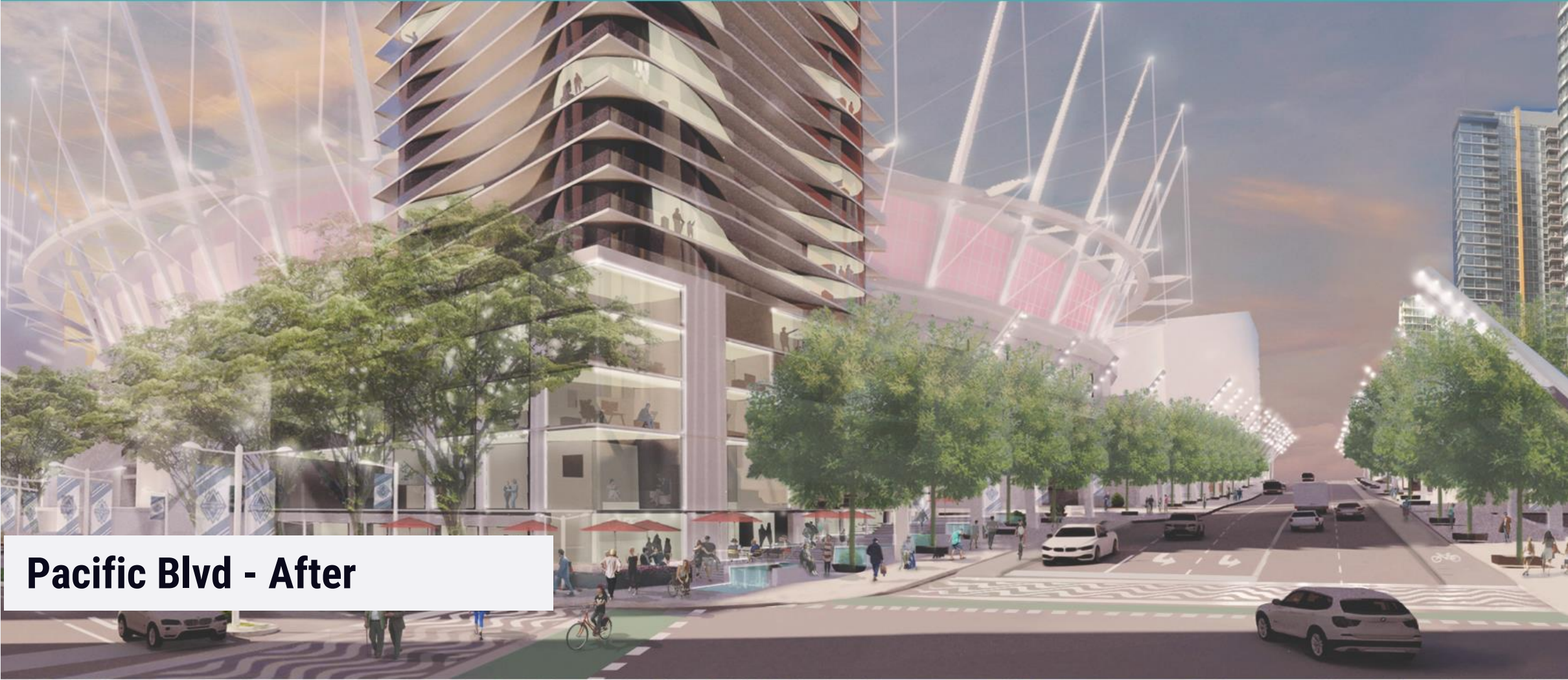


Pacific Blvd - Before

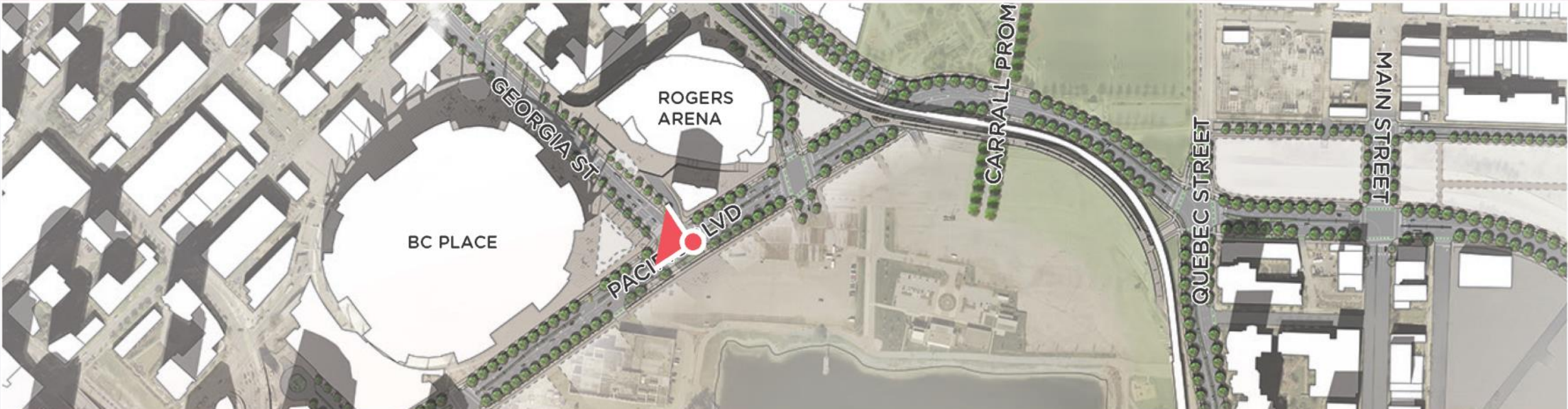


# Northeast False Creek

Pacific at Georgia - Future



Pacific Blvd - After



# Northeast False Creek - the use of sketches



# Northeast False Creek - the use of renderings



**View of Pacific Blvd**

# INFRAWORKS VIDEO





**thank you community!**  
for engaging

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For more information on the Northeast False  
Creek Area Plan please visit our webpage

[vancouver.ca/nefc](http://vancouver.ca/nefc)