



# Gardiner East

Schematic Design

February 21, 2018

## Project Description and Background

1. This is the Gardiner Public Realm project's second time presenting to the DRP, previously for issues identification, and today seeking approval for schematic design.
2. Recommendations of the Gardiner Expressway and Lake Shore Boulevard East Reconfiguration Environmental Assessment and Integrated Urban Design Study (EA), included public realm improvements as part of the Hybrid 3 configuration undertaking. The following improvements were defined in the EA:
  - Corridor-wide Design Elements
  - Pedestrian Network and Cycling Connections
  - Open Space/Linear Greenway
  - Public Realm, Public Art and Animation
  - Streetscaping
  - Intersection Improvements

## Gardiner EA Approval

### **Gardiner EA was approved on Nov. 27, 2017**

- Undertaking includes Lake Shore Boulevard Public Realm improvements

### Approval Conditions :

- **Public Realm Phasing & Implementation Plan within 1 year**
- **Improvements to pedestrian/cycling network**
- **Stormwater Management – enhanced sediment removal**
- Compliance Monitoring Program
- Compliance reporting (annual)
- Complaint Protocol
- Reporting timelines /10 year approval lifespan

## Policy Context – Central Waterfront Secondary Plan

### Removing Barriers / Making Connections

A1\_REDESIGNING THE GARDINER CORRIDOR - The elevated Gardiner Expressway is a major physical barrier that cuts off the city from the waterfront. To ensure the success of a redesigned Gardiner corridor, funding for major improvements to the road system and GO Transit/TTC services including Union Station must be in place.

A3\_LAKE SHORE BOULEVARD, AN URBAN WATERFRONT AVENUE Lake Shore Boulevard will be transformed into an urban avenue through the Central Waterfront to accommodate its function as an arterial road. The new boulevard will be generously landscaped; will maximize the opportunities for pedestrian crossings through frequent intersections with streets connecting into the downtown core; and will provide ample room for commuter cycling and pedestrians.

(P7) Physical connections between the Central Waterfront, the downtown core and adjacent neighbourhoods will be enhanced through high-quality urban design and landscaping on the north/south connector streets.

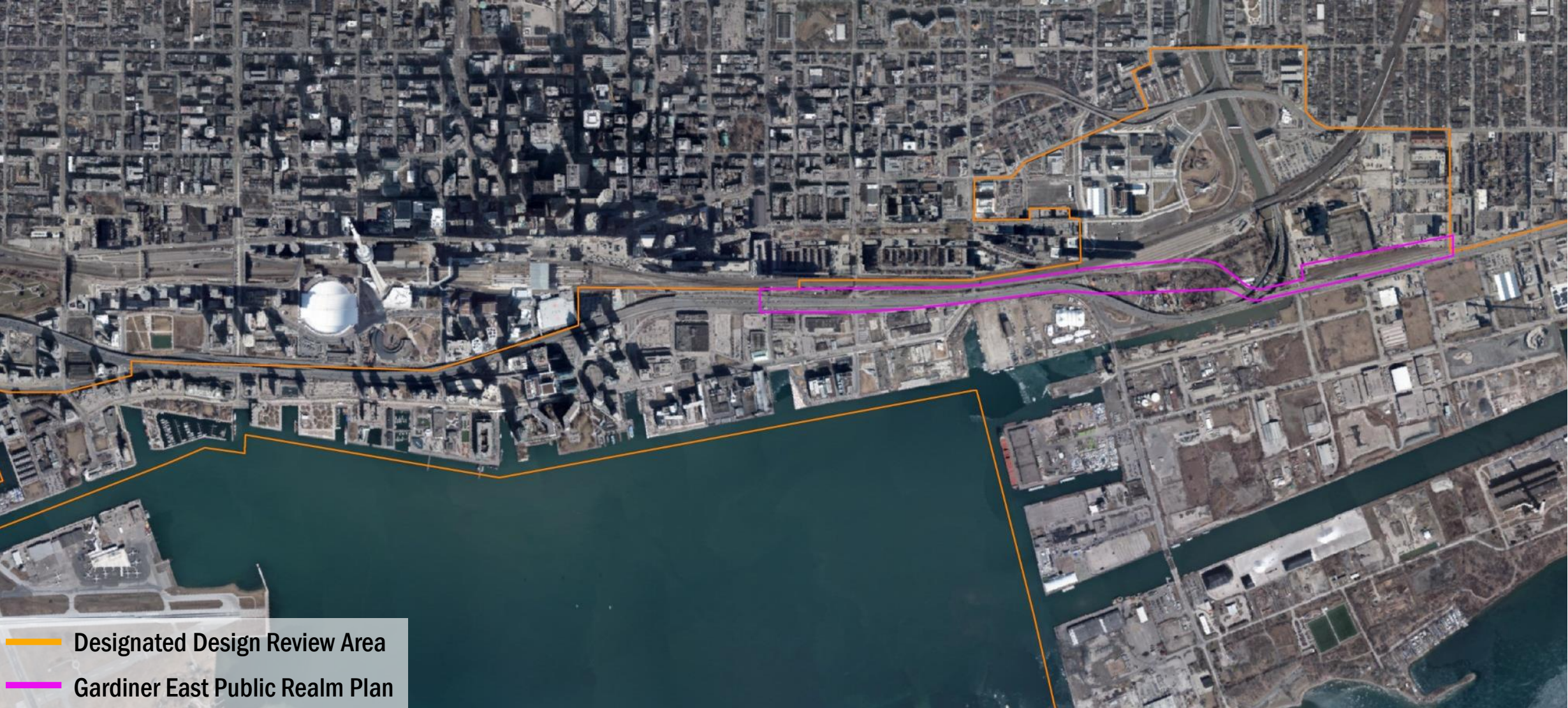
(P8) Railway underpasses will be transformed into more pedestrian-friendly corridors.

### Promoting a Clean and Green Environment

(P21) Pedestrian and cycling routes will be safe, attractive, comfortable and generously landscaped.



## Site Context



— Designated Design Review Area  
— Gardiner East Public Realm Plan



## Scope of Work

Dillon Consulting and West 8 have been retained to advance conceptual public realm improvements :

- Lake Shore Boulevard streetscape
- Bicycle network
- Linear public space
- Improvements to intersections

**Task 1** : Define Gardiner Corridor Framework Plan and implementation phasing strategy for Lake Shore Boulevard between Jarvis to Leslie Street.

**Task 2**: Complete 100% design of south sidewalk and eastbound lanes of Lake Shore Boulevard (LSB) between Jarvis and Cherry Street.



# Coordination with other projects

## PROJECT COMPONENTS

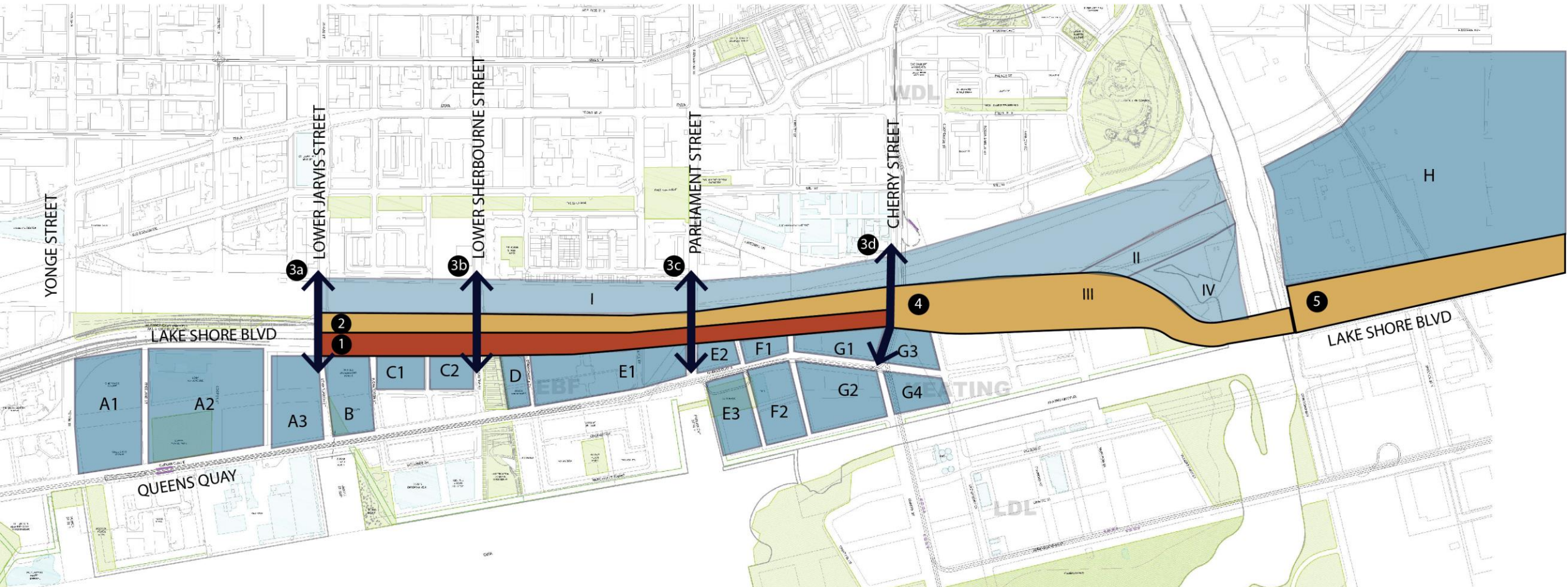
1. Lake Shore Boulevard South Side (Jarvis to Cherry)
2. Lake Shore Boulevard North Side (Jarvis to Cherry)
3. North-South Connections at Jarvis, Sherbourne, Parliament, Cherry
4. North Keating Frontage
5. East Harbour Frontage

## DEVELOPMENTS

- |                           |                  |
|---------------------------|------------------|
| A1. Pinnacle              | D. Monde         |
| A2. Menkes                | E1/2/3. Quayside |
| A3. Loblaws               | F1/2. Silo Site  |
| B. Daniels North          | G1-4. 3C Lands   |
| C1/2. Greenland Phase 2/1 | H. East Harbor   |

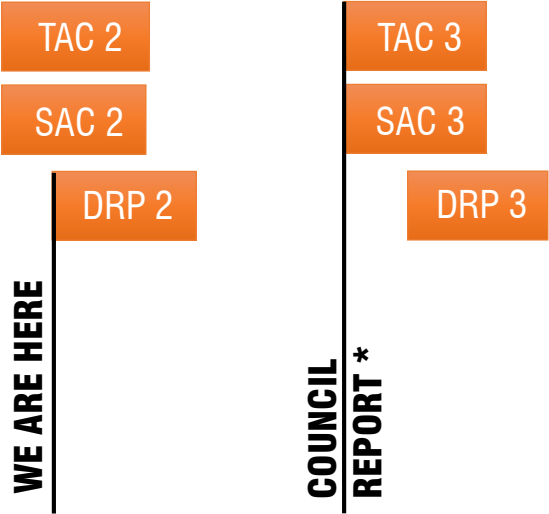
## INFRASTRUCTURE PROJECTS

- I. USRC East Enhancements track expansion
- II. Wilson Rail Yard
- III. Gardiner Expressway Hybrid 3
- IV. PLFPEI Sedment Basin



# Project Schedule

2018



Gardiner Corridor Framework Plan

Phase 1 100% design south side of LSB

\* Council Report will include a summary of the Corridor Vision and a strategy for its implementation, as well as 60% Design of the South Side LSB, to ensure the public realm scope is included with the Gardiner Re-decking work



## Key comments from City Staff:

1. Unimpeded inspection access for underside of Gardiner structure required
2. Need to resolve space constraint on the north side between Parliament and Cherry Street
3. Separated bike & pedestrian trails preferred

## Key comments from Community Stakeholders:

1. Separated bike & pedestrian trails preferred
2. Aspirations for programming elements along the corridor (i.e. off-leash dog park, skate park etc.)
3. Need for improved North-South connections across Rail Corridor & Gardiner



## DRP Comments at Issues Identification

1. Identity of the corridor should be representative of the Southern Ontario landscape
2. Removing barriers and making connections should be the foundation of this project
3. Equivalent consideration should be given to North-South connections as well as East-West connections
4. Coordinating with Metrolinx on USRC East Enhancements retaining walls is imperative
5. Need to redefine driver and pedestrian experience
6. Consideration of natural and artificial lighting and acoustic absorption
7. Seasonality and winter experience
8. Programmatic considerations

## Topics for Panel Consideration

We need your feedback on:

1. Gardiner Corridor Framework Plan
2. South side Lake Shore Boulevard design

With particular focus on:

- Revisions to Gardiner Corridor vision
- Perceived safety, aesthetics, and comfort of separated multi-use trail in north side landscape
- Strategy for managing stormwater





**VISION**

**THE TORONTONIAN URBAN LAKEFRONT**



# CONCEPT SECTION

June 2017

DESIGN REVIEW PANEL





# LAKE SHORE BOULEVARD

Existing situation  
NOMENCLATURE

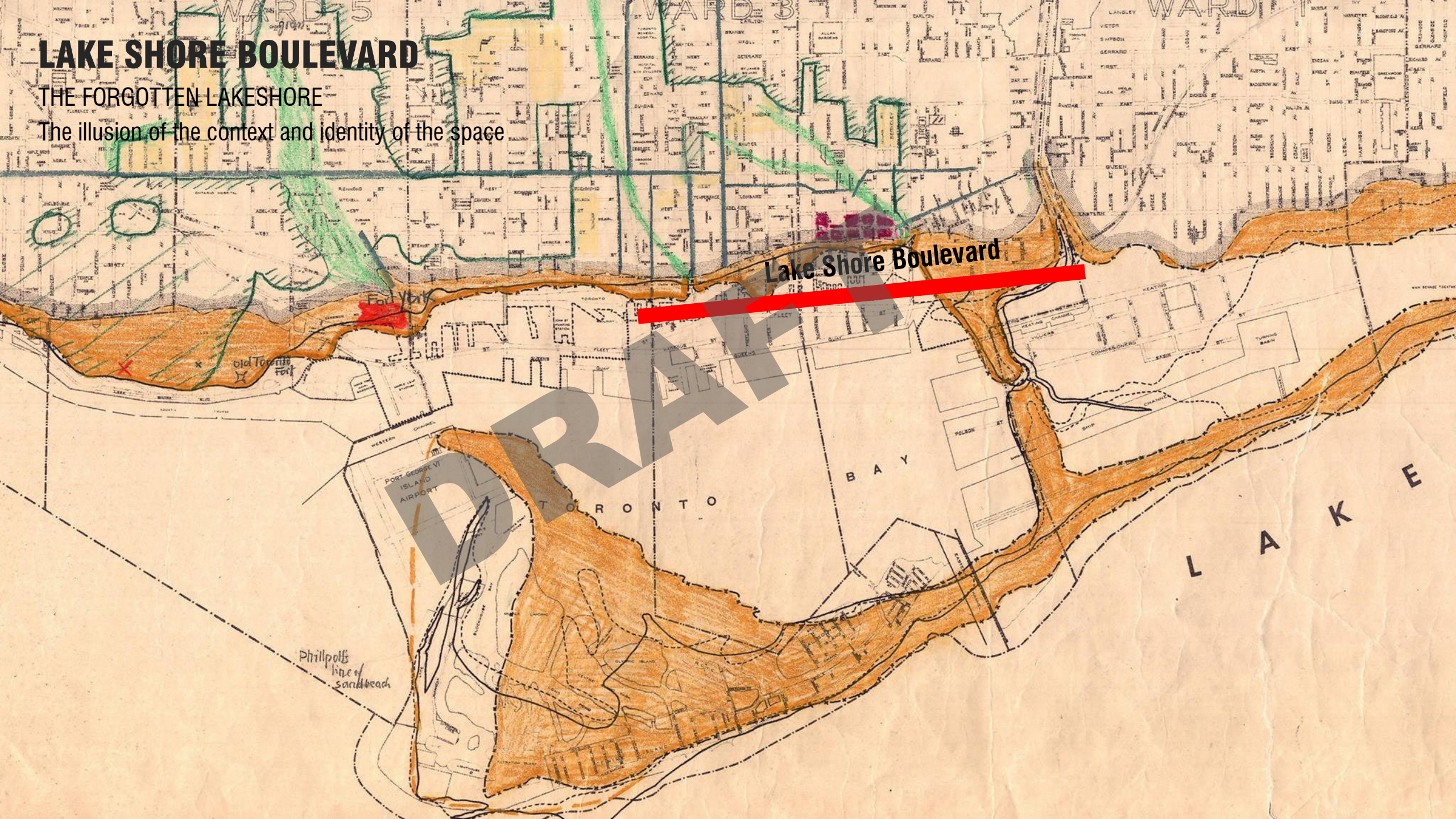




# LAKE SHORE BOULEVARD

THE FORGOTTEN LAKESHORE

The illusion of the context and identity of the space

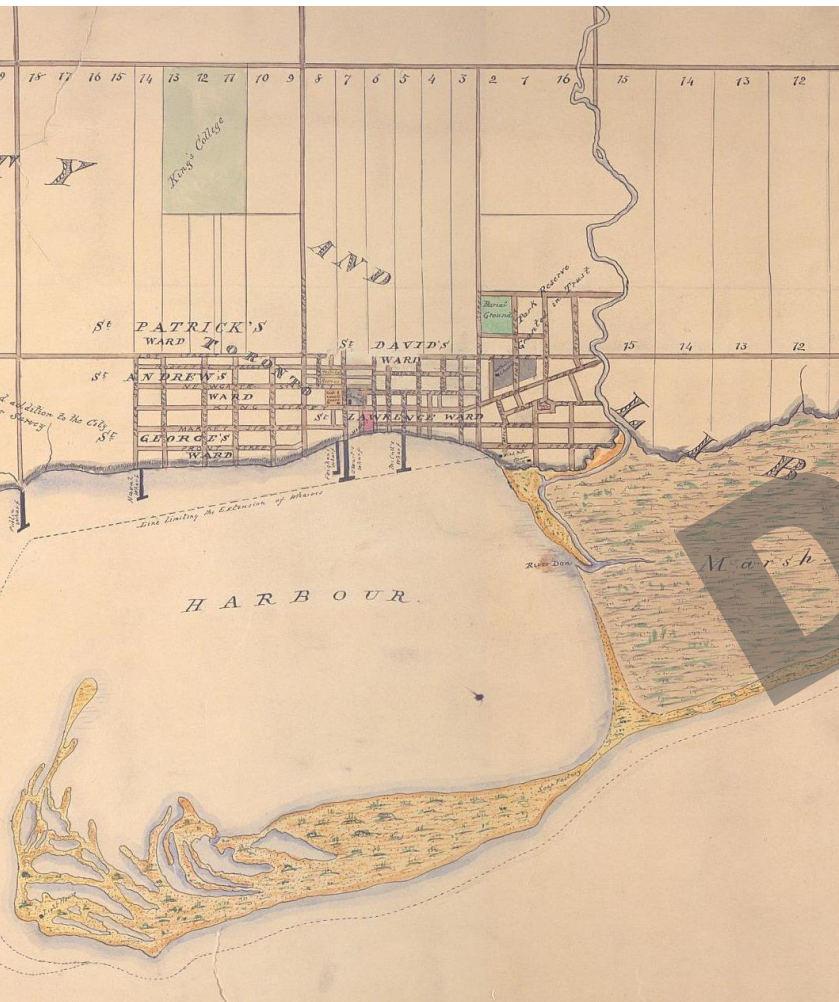




# THE TORONTO LAKESHORE

Historical image

IDENTITY





# THE TORONTO LAKESHORE

Different shorelines of Toronto

IDENTITY



The Beaches



Leslie Spit



Toronto Island



The Bluffs



# THE TORONTO LAKESHORE

Transformation  
NEW CONTEXT

DRAFT

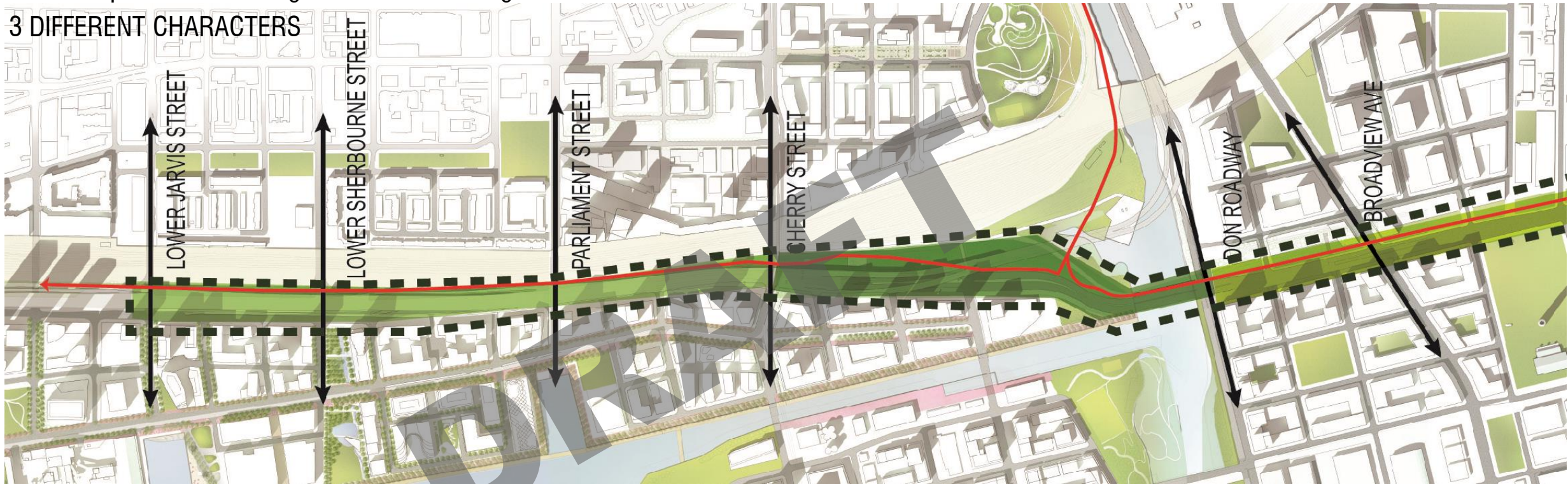




# A CONTINUOUS LANDSCAPE

A landscape communicating with its surroundings

3 DIFFERENT CHARACTERS

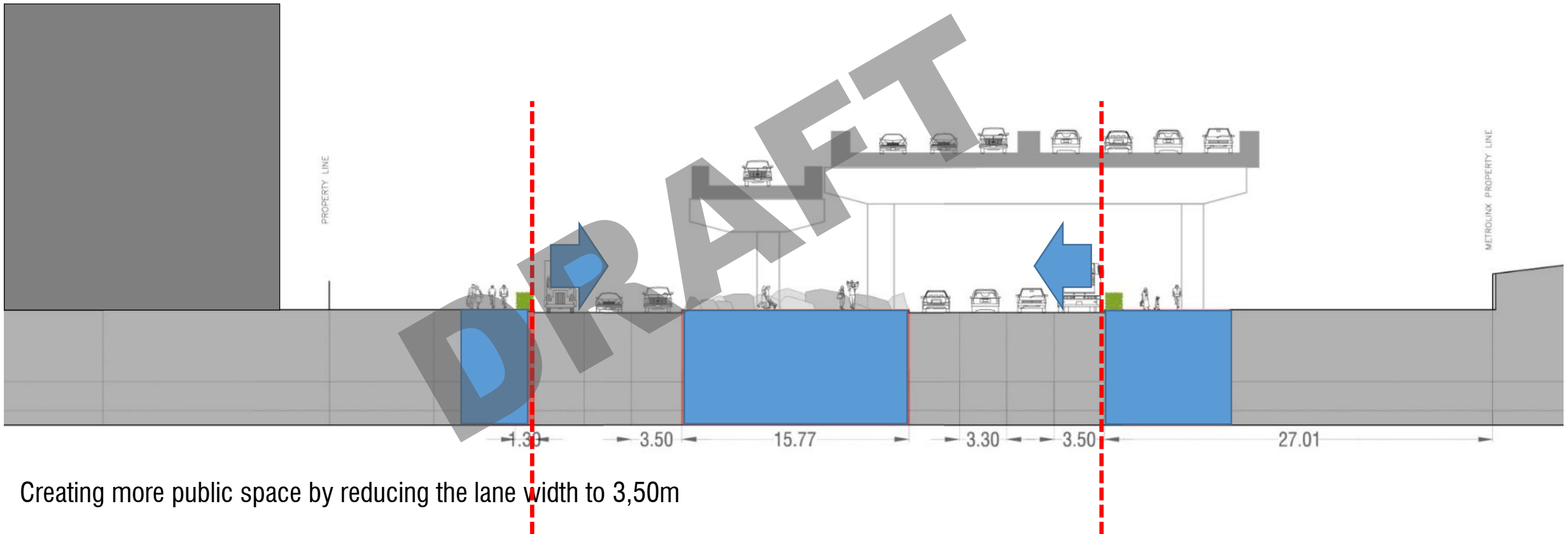




# DESIGN ELEMENTS

Different elements building the vision for Lake Shore Boulevard

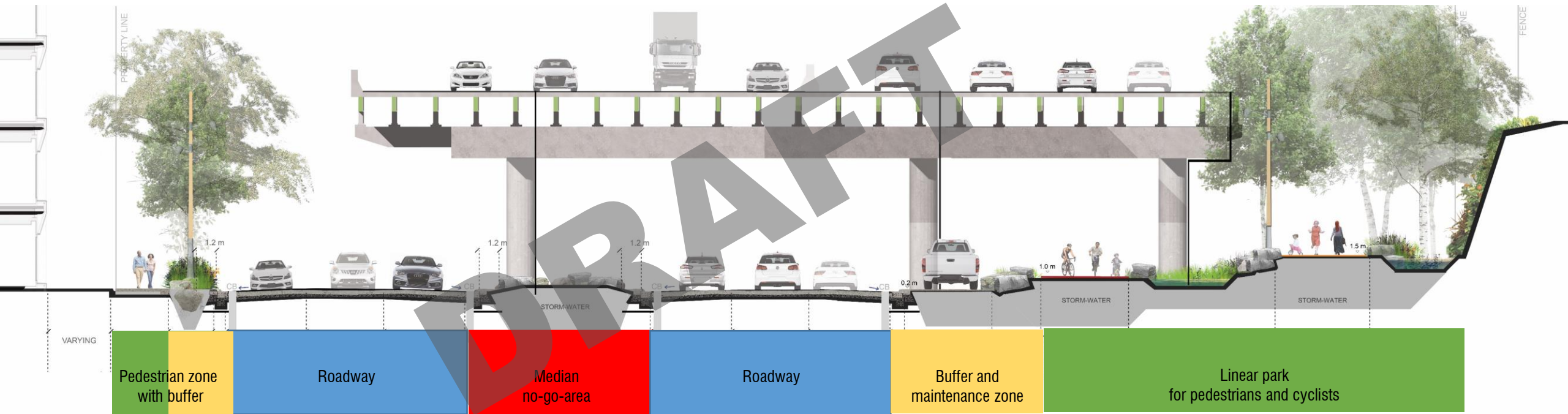
## LANE WIDTH REDUCTION



# DESIGN ELEMENTS

Different elements building the vision for Lake Shore Boulevard

USER SPACES

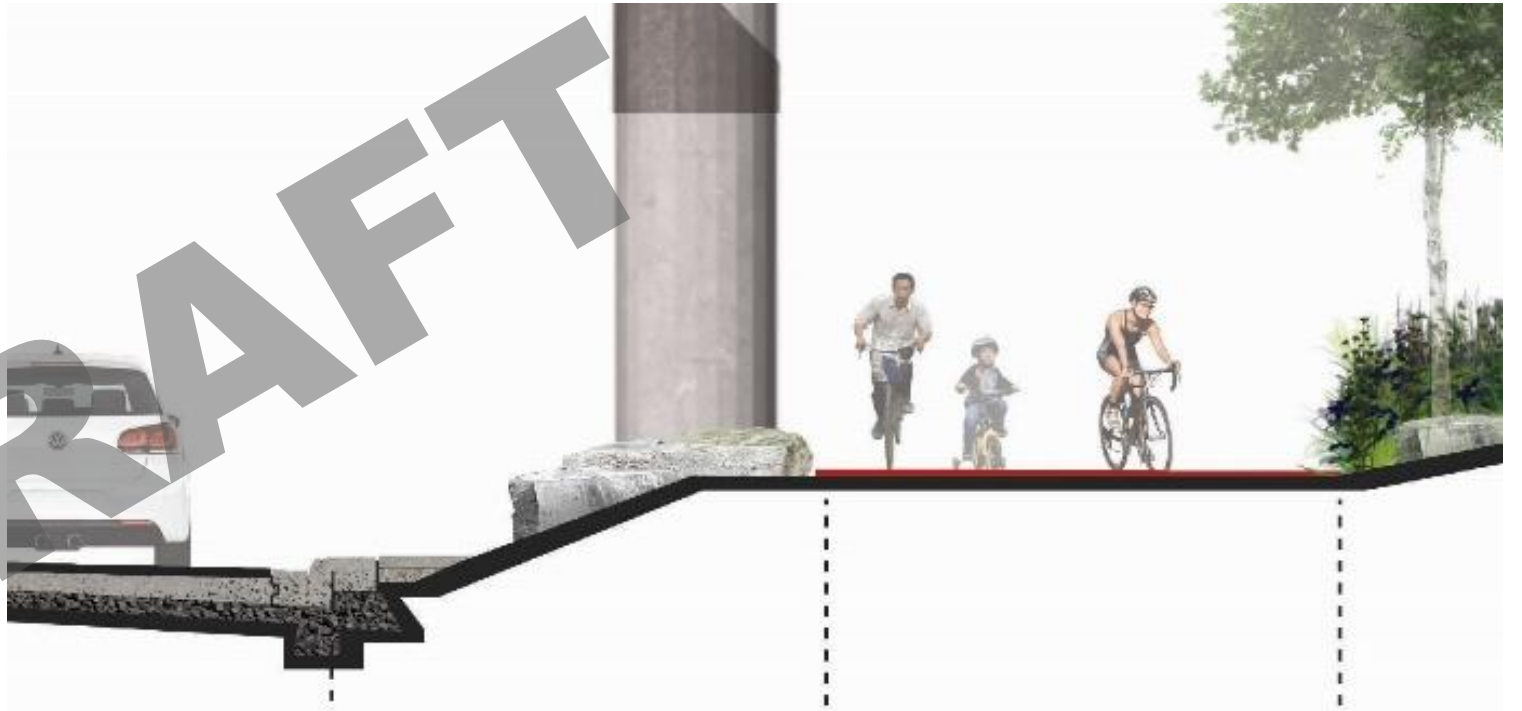


Creating clear defined zones for every user

# DESIGN ELEMENTS

Different elements building the vision for Lakeshore Boulevard

A CONTINUOUS EDGE DETAIL + ELEVATED PATH



Armour stone creating a continuous edge detail and creator of a height difference between fast and slow user



# DESIGN ELEMENTS

Different elements building the vision for Lakeshore Boulevard

PIONEERS VEGETATION

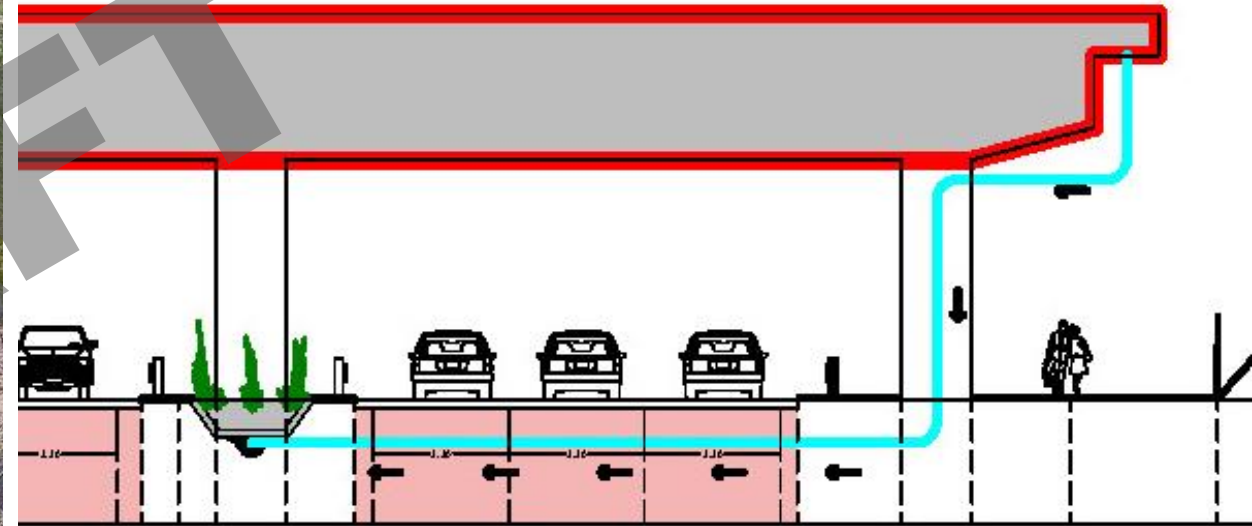


Rough and harsh conditions next and under the deck may be a breeding ground for pioneer vegetation (trees and meadow)



# DESIGN ELEMENTS

Different elements building the vision for Lakeshore Boulevard  
STORMWATER MANAGEMENT



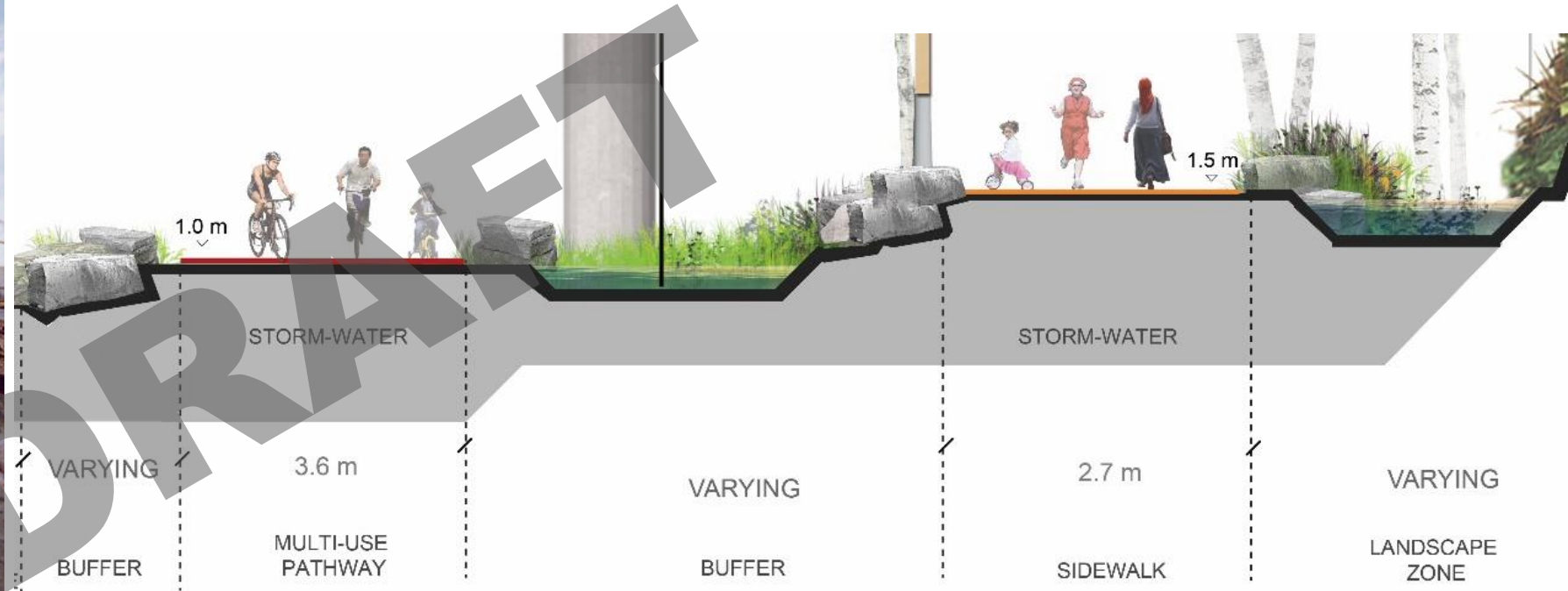
Buffering of stormwater made visual in dry river creeks/bio-swales including underground infrastructure



# DESIGN ELEMENTS

Different elements building the vision for Lakeshore Boulevard

RE-USE OF ELEMENTS OF THE GARDINER DECK



Re-use of elements /material of the deck in paving / transformation of topography

# DESIGN ELEMENTS

Different elements building the vision for Lakeshore Boulevard

A GREEN WALL

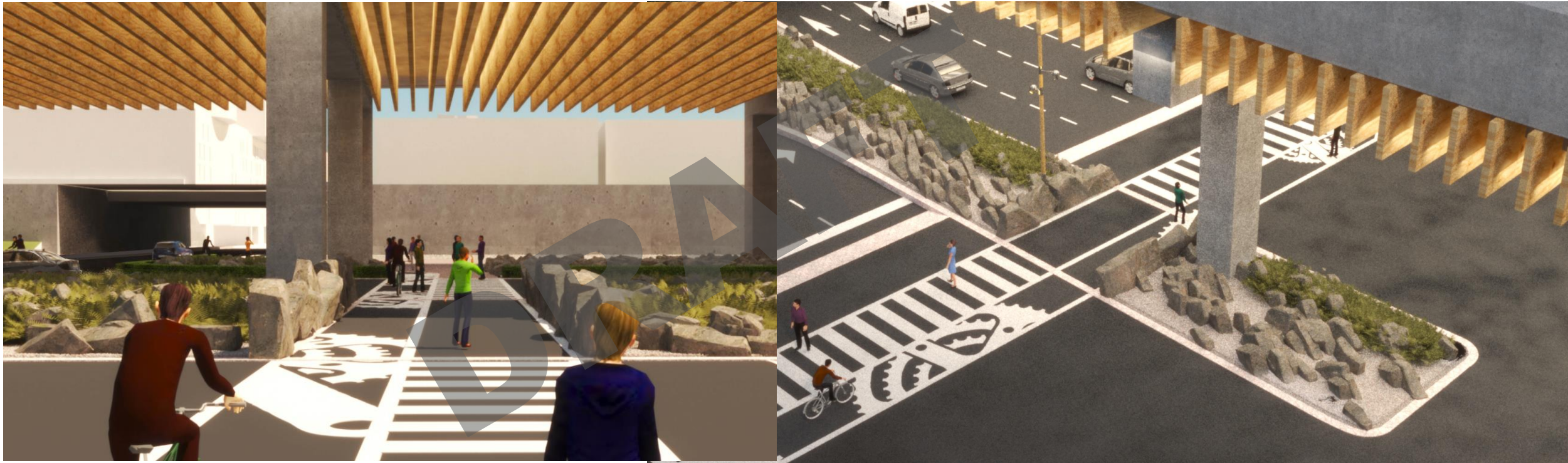


Transformation of the bin wall into a green wall as part of noise attenuation and ecological corridor of the rail tracks



# DESIGN ELEMENTS

Different elements building the vision for Lakeshore Boulevard  
NORTH SOUTH CONNECTIONS



Improved pedestrian and cyclist crossings, public art, corridor wide illumination and noise attenuation



# USER EXPERIENCE

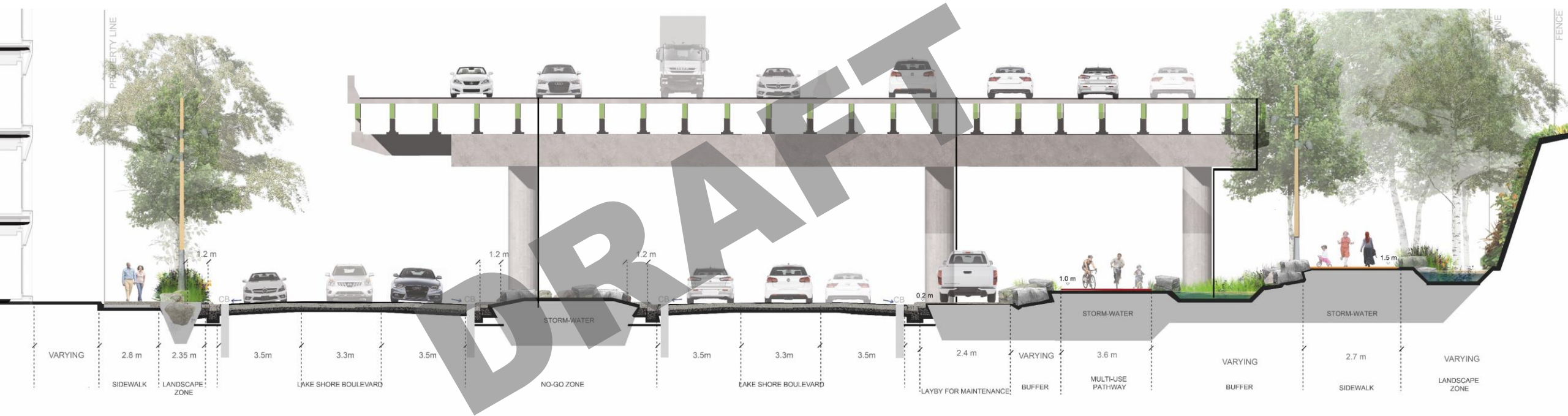
Illustration of the vision for Lakeshore Boulevard





# DESIGN VISION

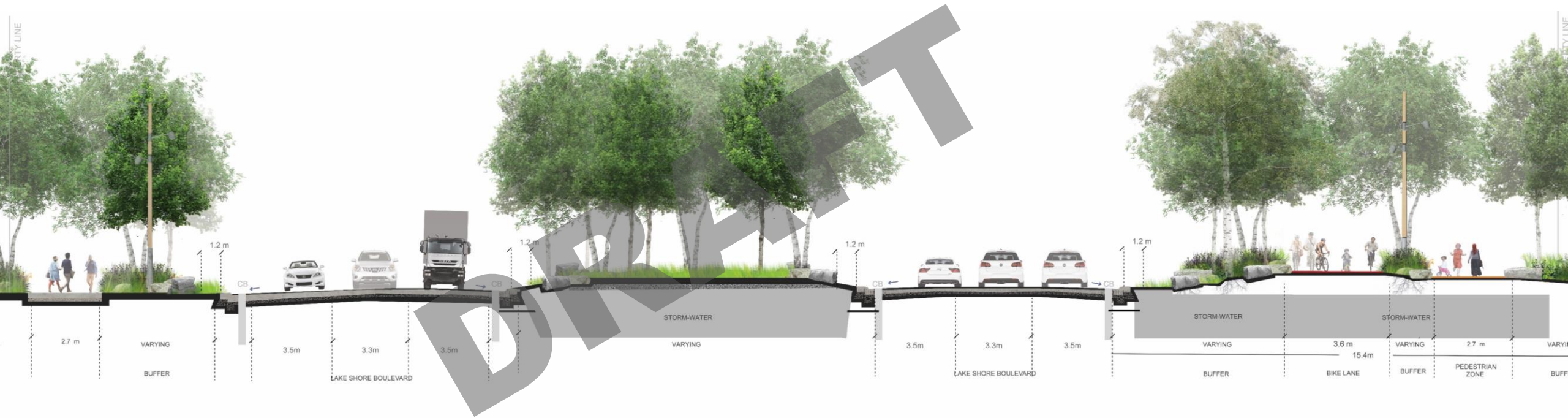
## 2 TYPICAL CROSS SECTIONS



Lower Jarvis / Cherry Street  
(GRITTY)

# DESIGN VISION

## 2 TYPICAL CROSS SECTIONS



Cherry Street / Leslie Street  
(NATURAL / URBAN)





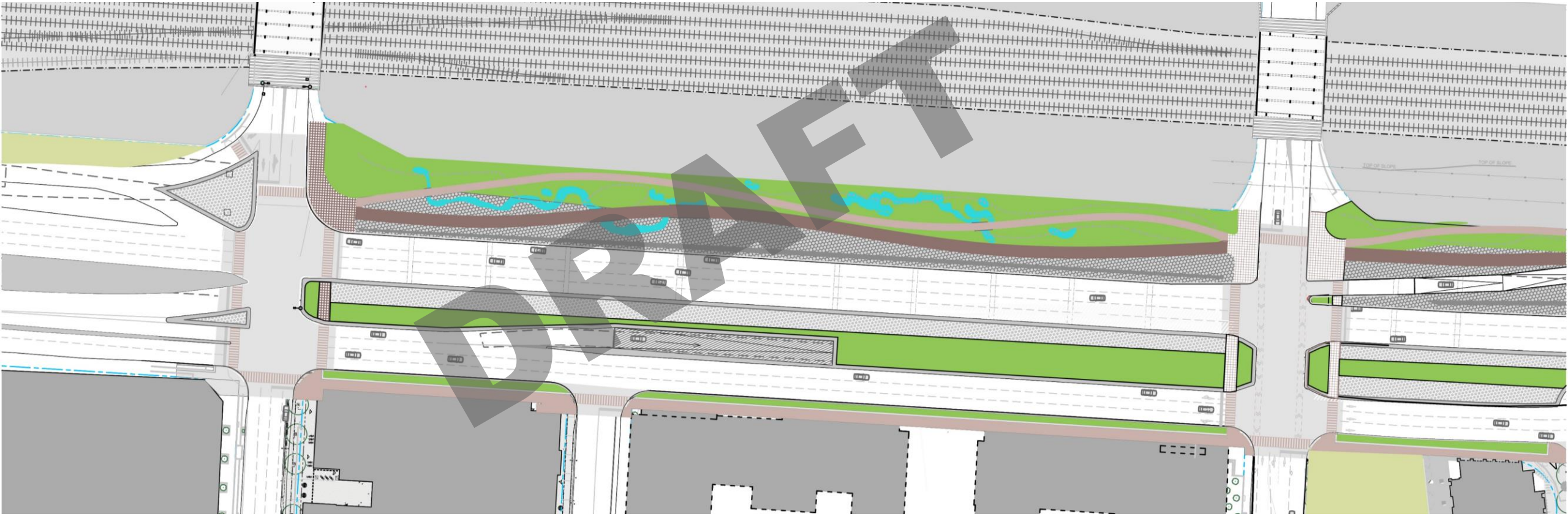
# SITE SPECIFIC DESIGN

THE TORONTONIAN URBAN LAKEFRONT



# SITE SPECIFIC DESIGN

Plan  
LOWER JARVIS – SHERBOURNE STREET



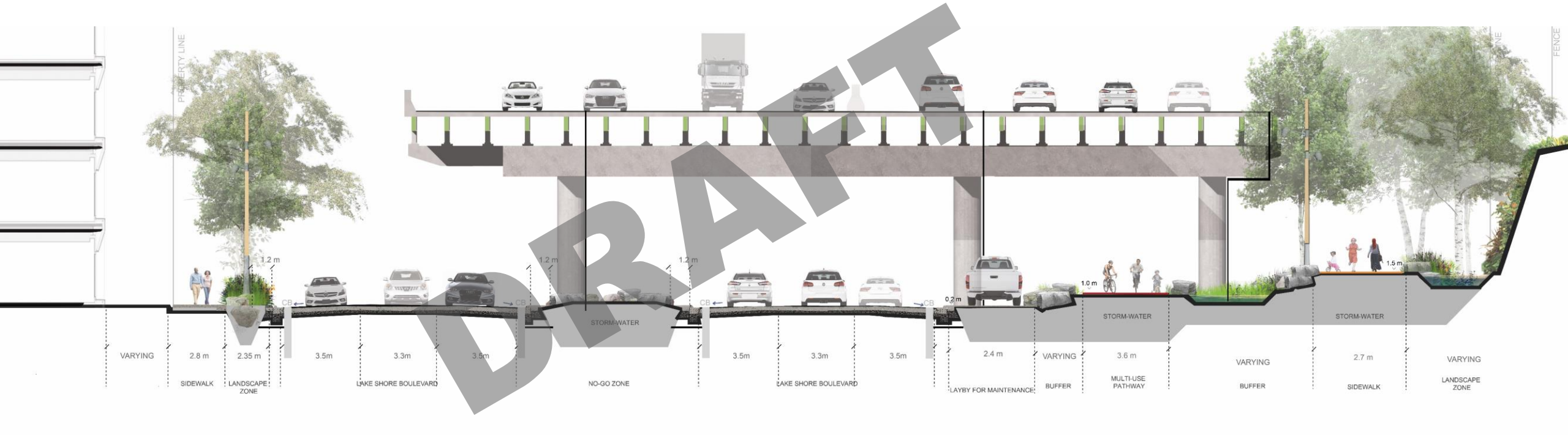




# SITE SPECIFIC DESIGN

Sections

LOWER JARVIS – SHERBOURNE STREET

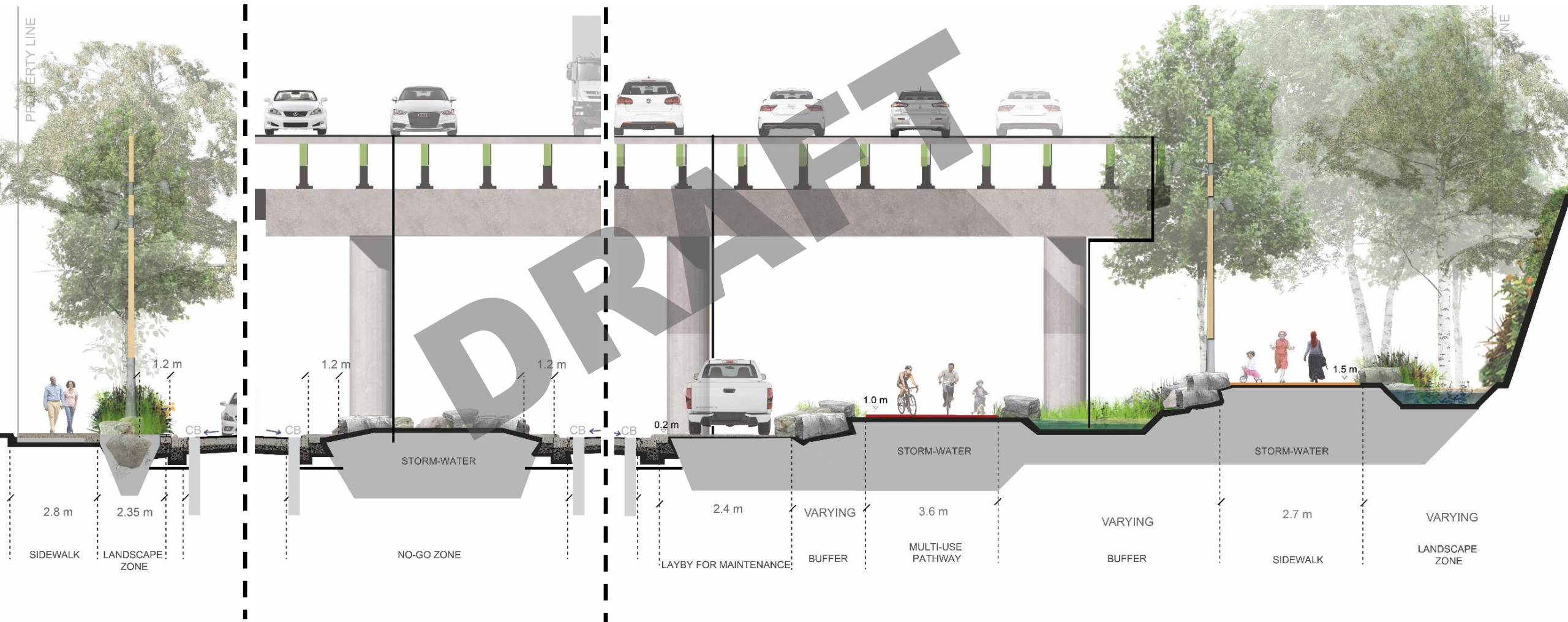




# SITE SPECIFIC DESIGN

Details

LOWER JARVIS – SHERBOURNE STREET





# SITE SPECIFIC DESIGN

Illustration

LOWER JARVIS – SHERBOURNE STREET





# SITE SPECIFIC DESIGN

Illustration south side

LOWER JARVIS – SHERBOURNE STREET

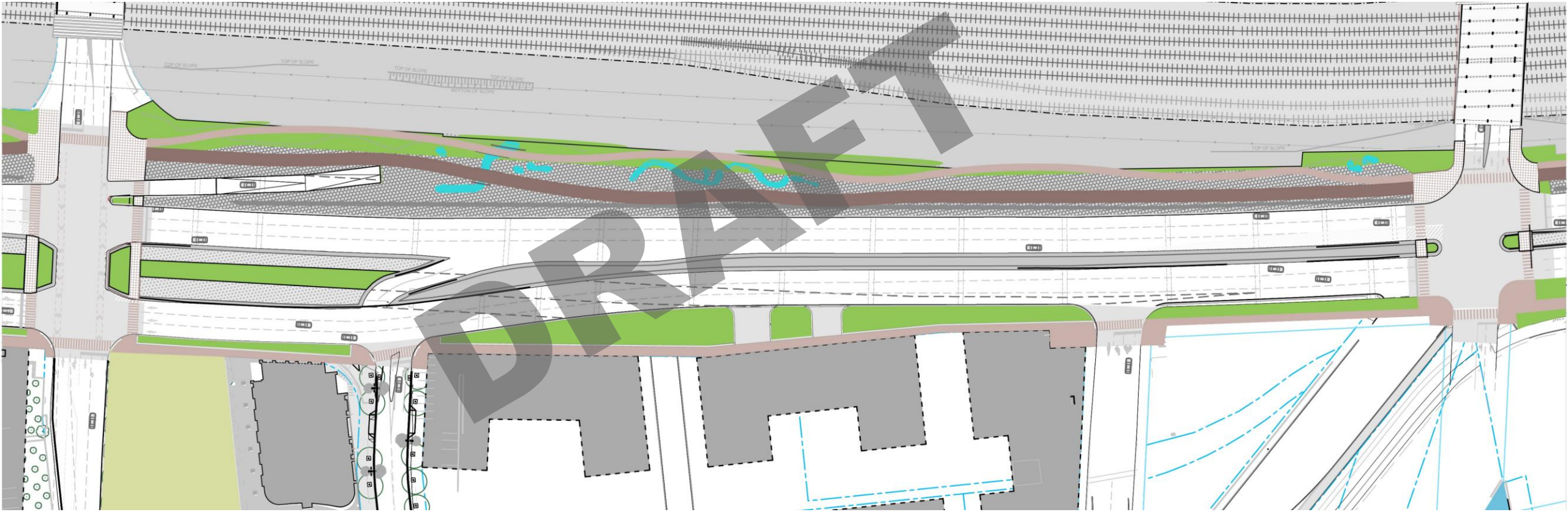




# SITE SPECIFIC DESIGN

Plan

SHERBOURNE STREET / PARLIAMENT STREET

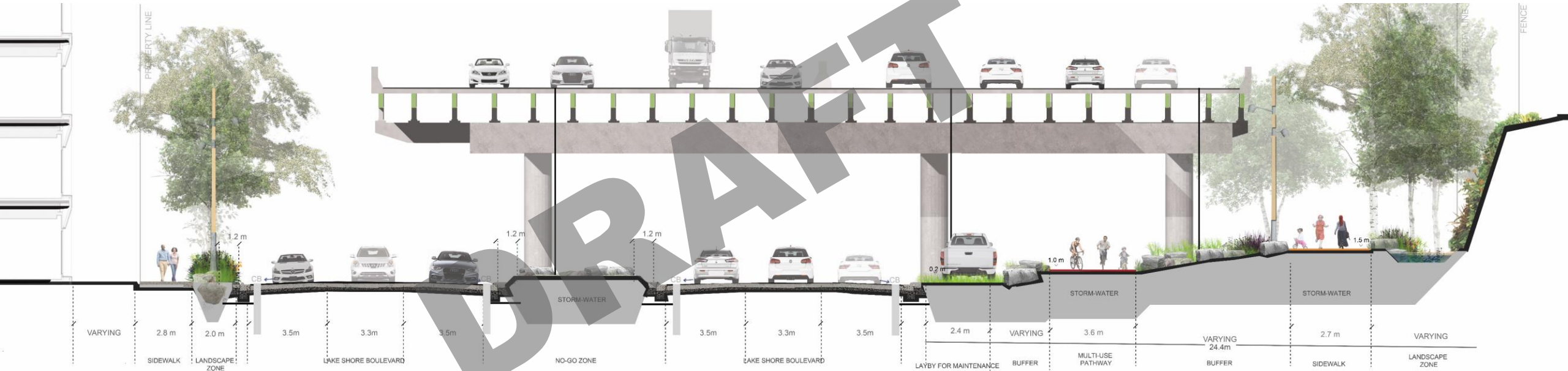




# SITE SPECIFIC DESIGN

Sections

SHERBOURNE STREET / PARLIAMENT STREET

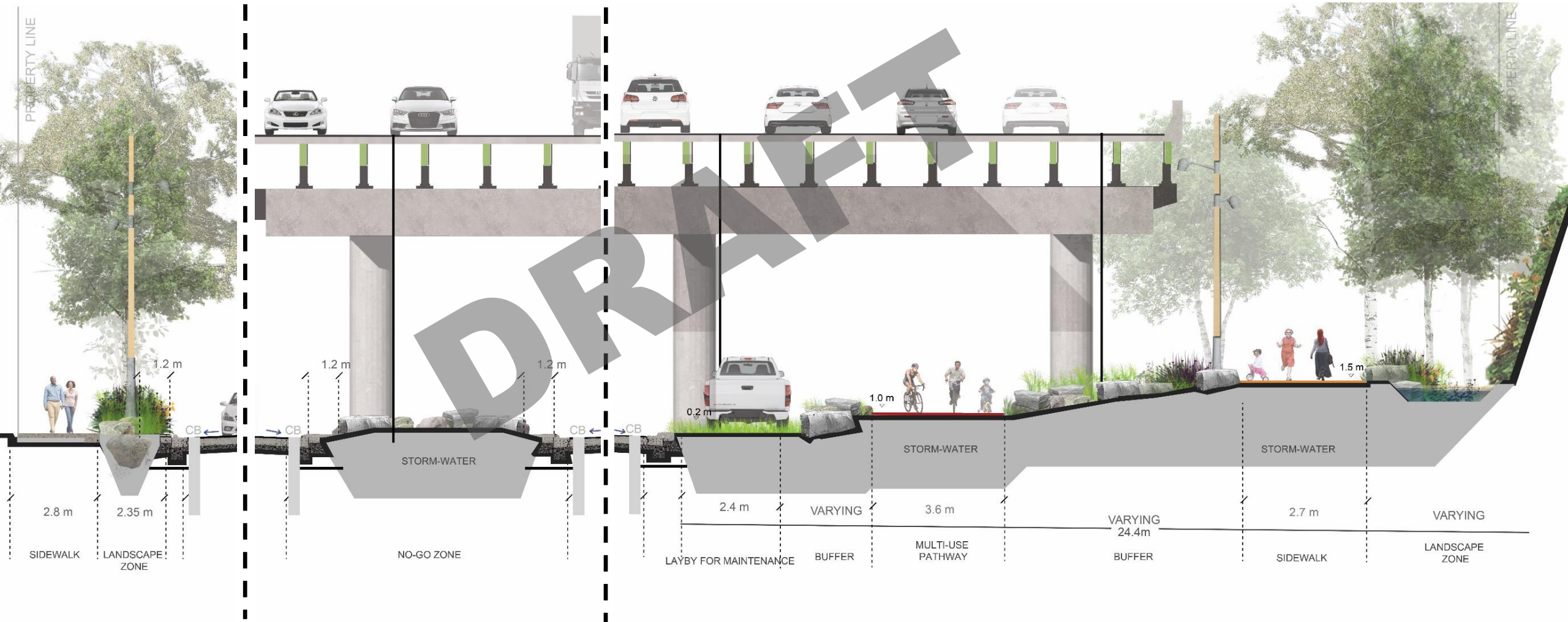




# SITE SPECIFIC DESIGN

Details

SHERBOURNE STREET / PARLIAMENT STREET

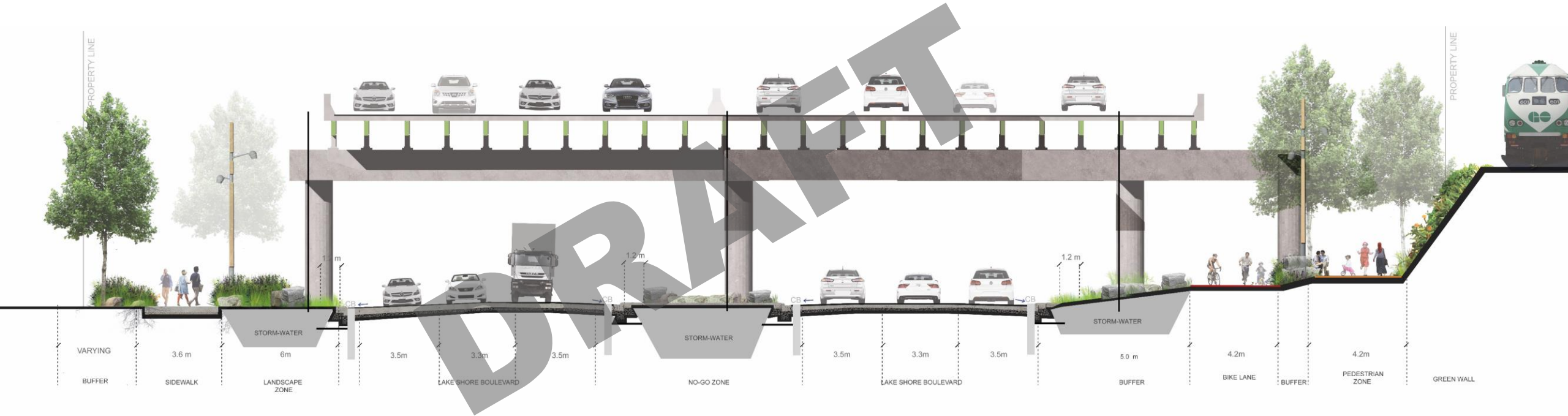




# SITE SPECIFIC DESIGN

Sections

SHERBOURNE STREET / PARLIAMENT STREET









# SITE SPECIFIC DESIGN

Illustration south side

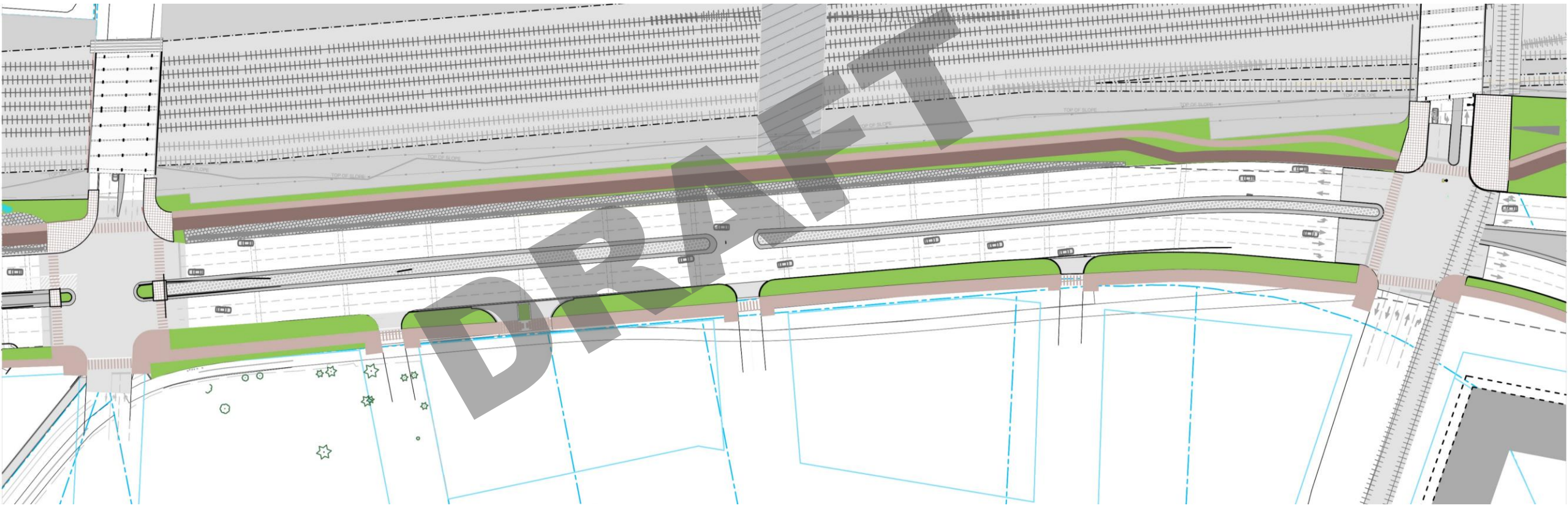
SHERBOURNE STREET / PARLIAMENT STREET





# SITE SPECIFIC DESIGN

Plan  
PARLIAMENT STREET / CHERRY STREET

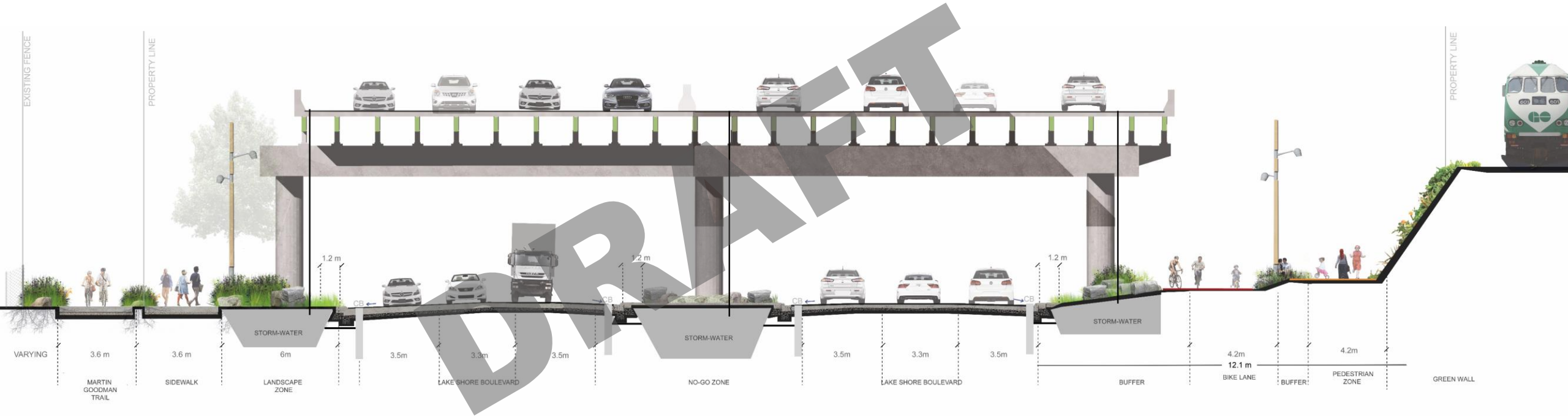




# SITE SPECIFIC DESIGN

Sections

PARLIAMENT STREET / CHERRY STREET

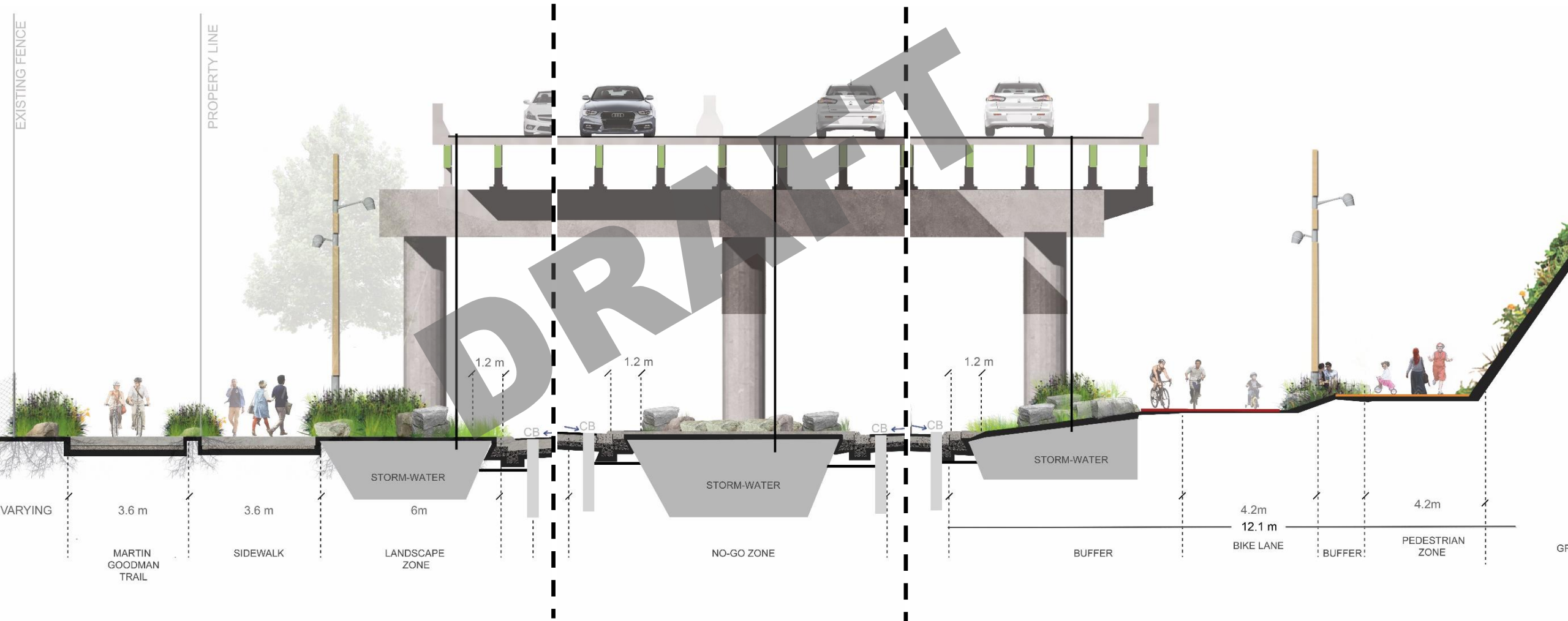




# SITE SPECIFIC DESIGN

Details

PARLIAMENT STREET / CHERRY STREET

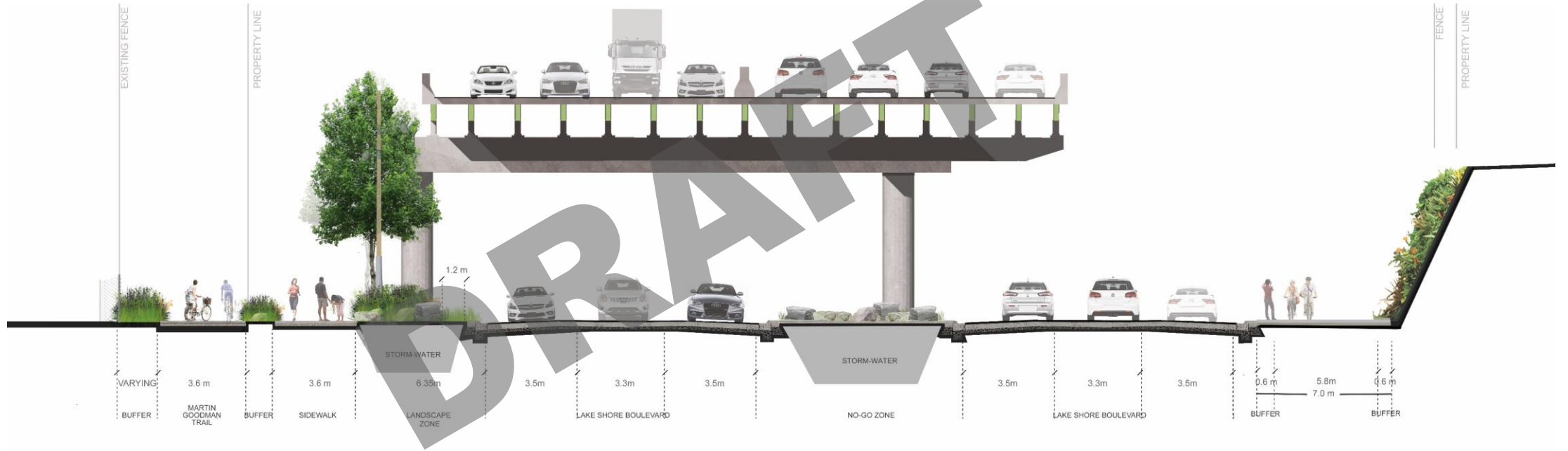
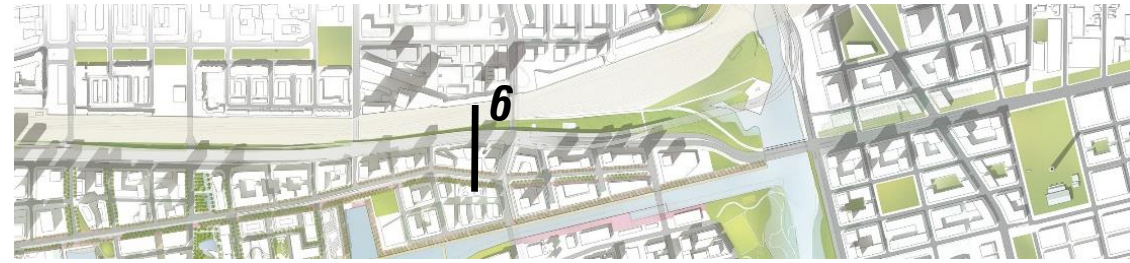




# SITE SPECIFIC DESIGN

Sections

PARLIAMENT STREET / CHERRY STREET

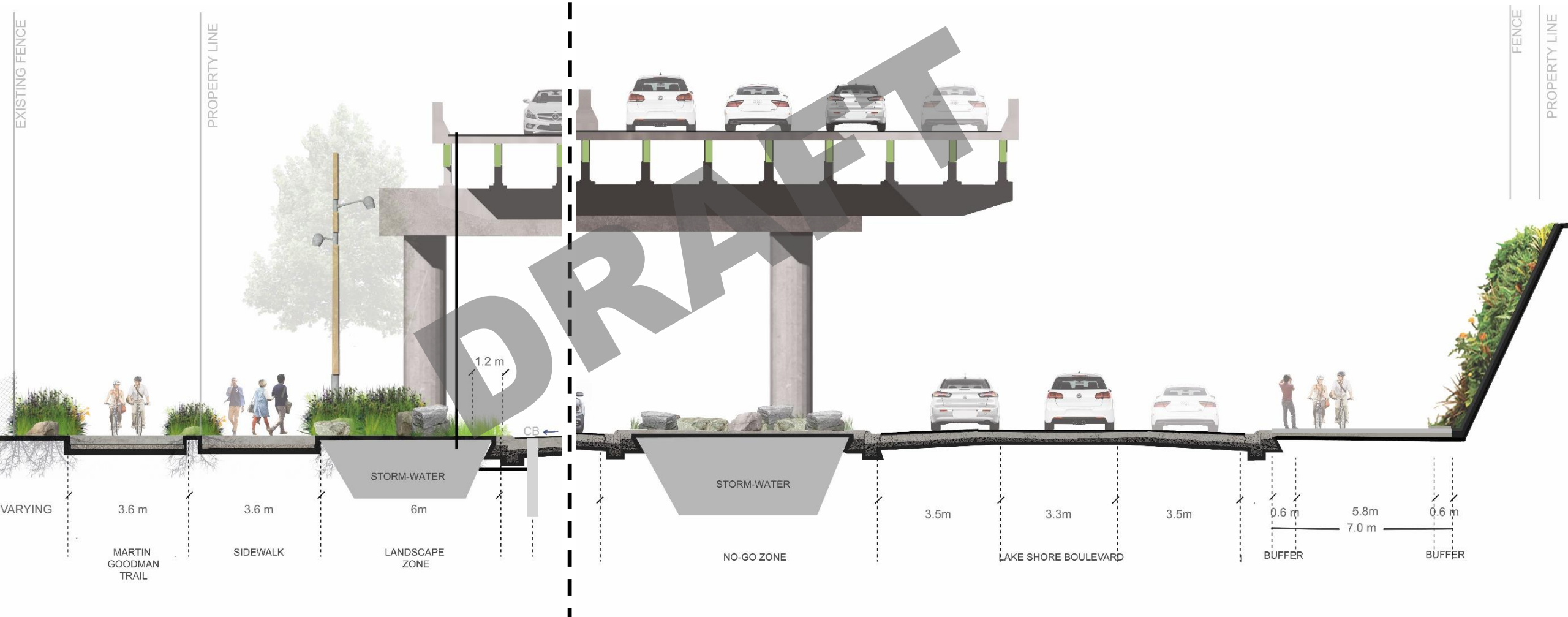
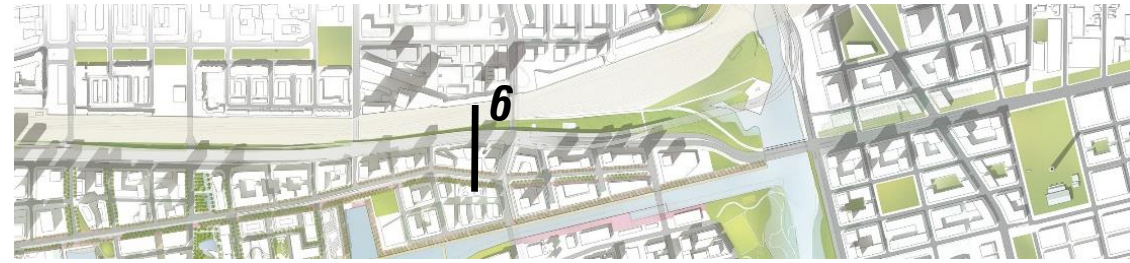




# SITE SPECIFIC DESIGN

Details

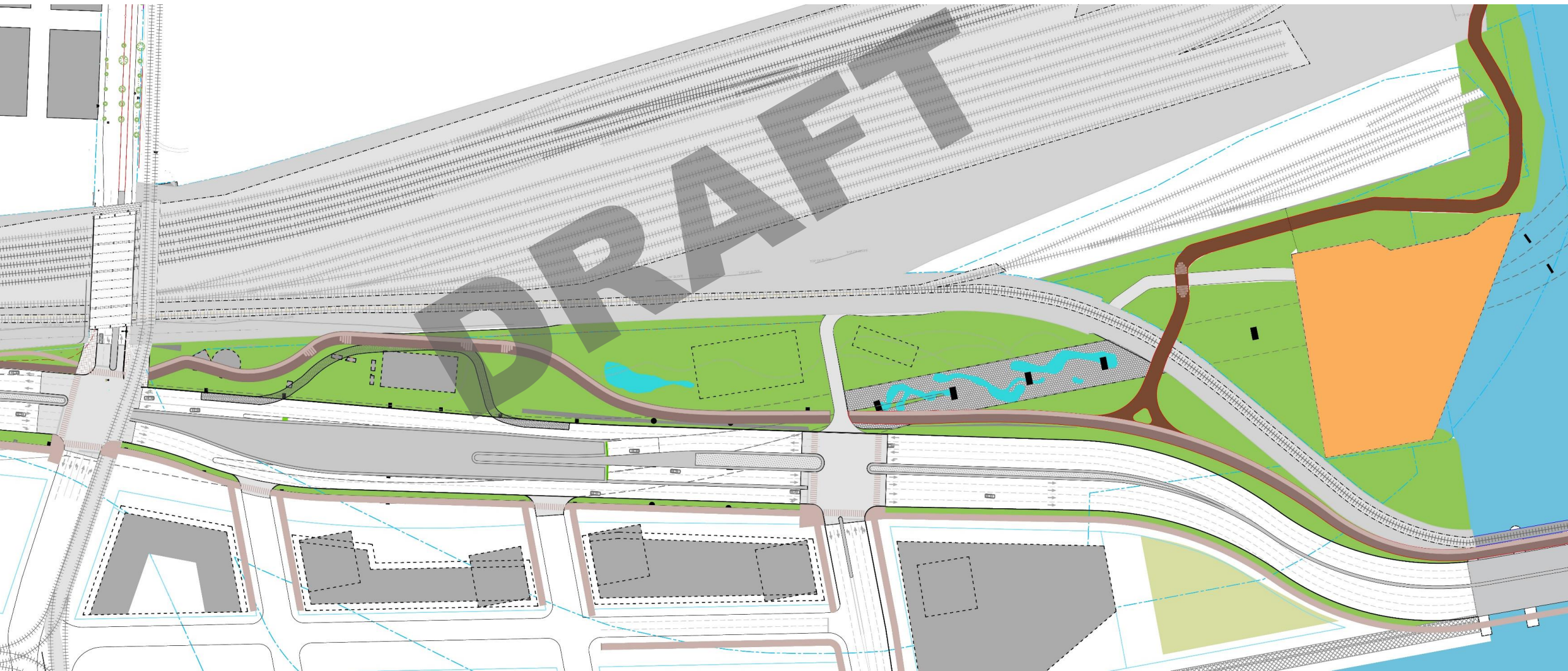
PARLIAMENT STREET / CHERRY STREET





# SITE SPECIFIC DESIGN

Plan  
CHERRY STREET / DON VALLEY

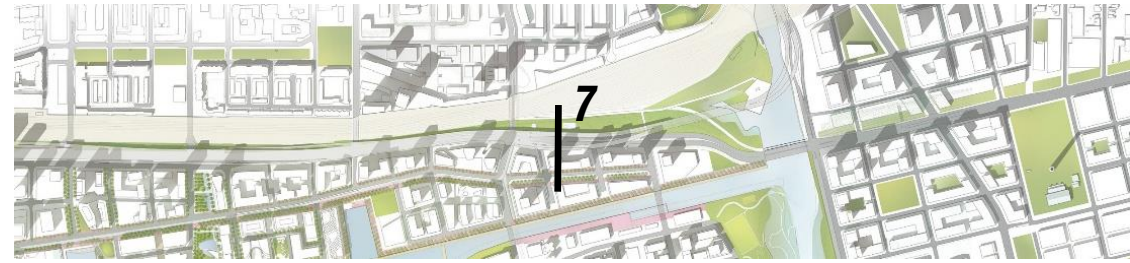




# SITE SPECIFIC DESIGN

Sections

CHERRY STREET / DON VALLEY

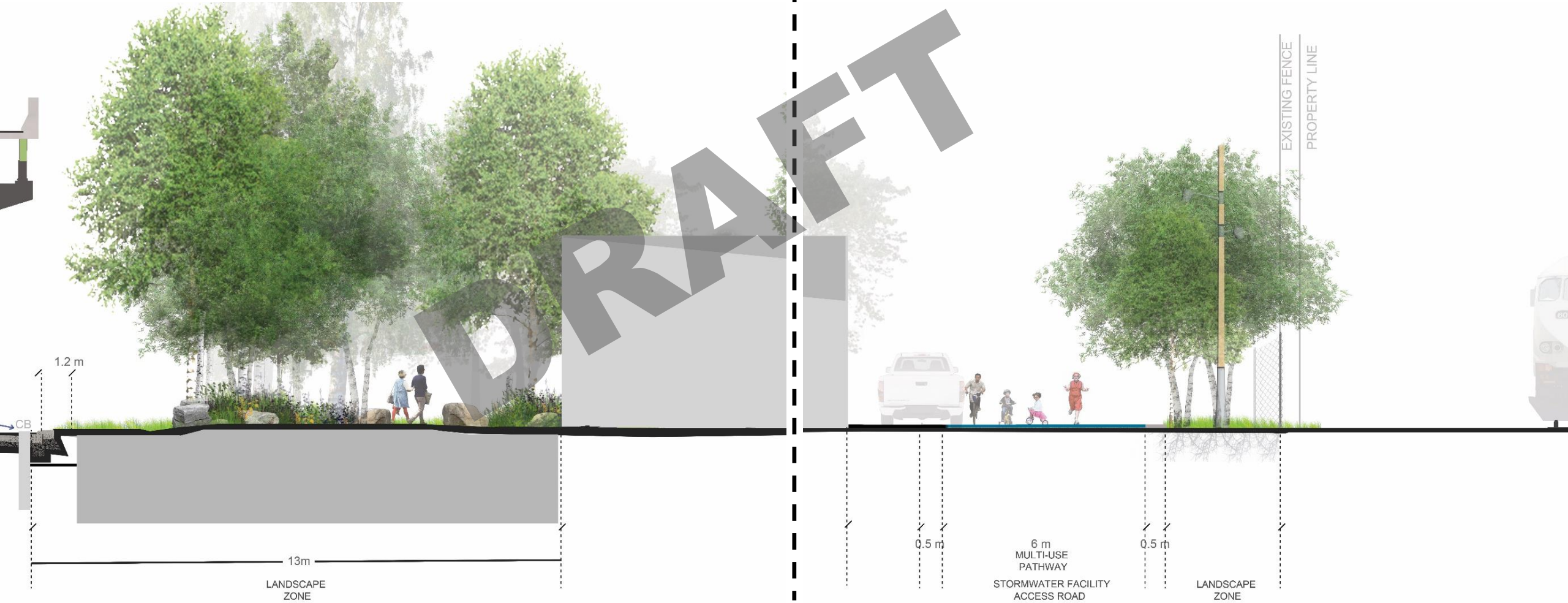
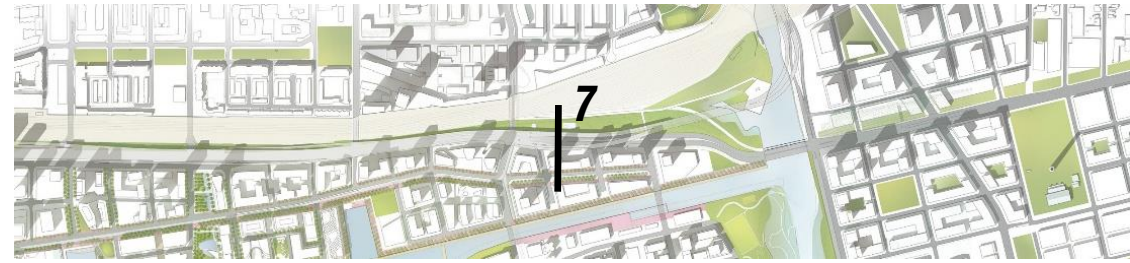




# SITE SPECIFIC DESIGN

Details

CHERRY STREET / DON VALLEY





# SITE SPECIFIC DESIGN

Sections

CHERRY STREET / DON VALLEY









# SITE SPECIFIC DESIGN

Details

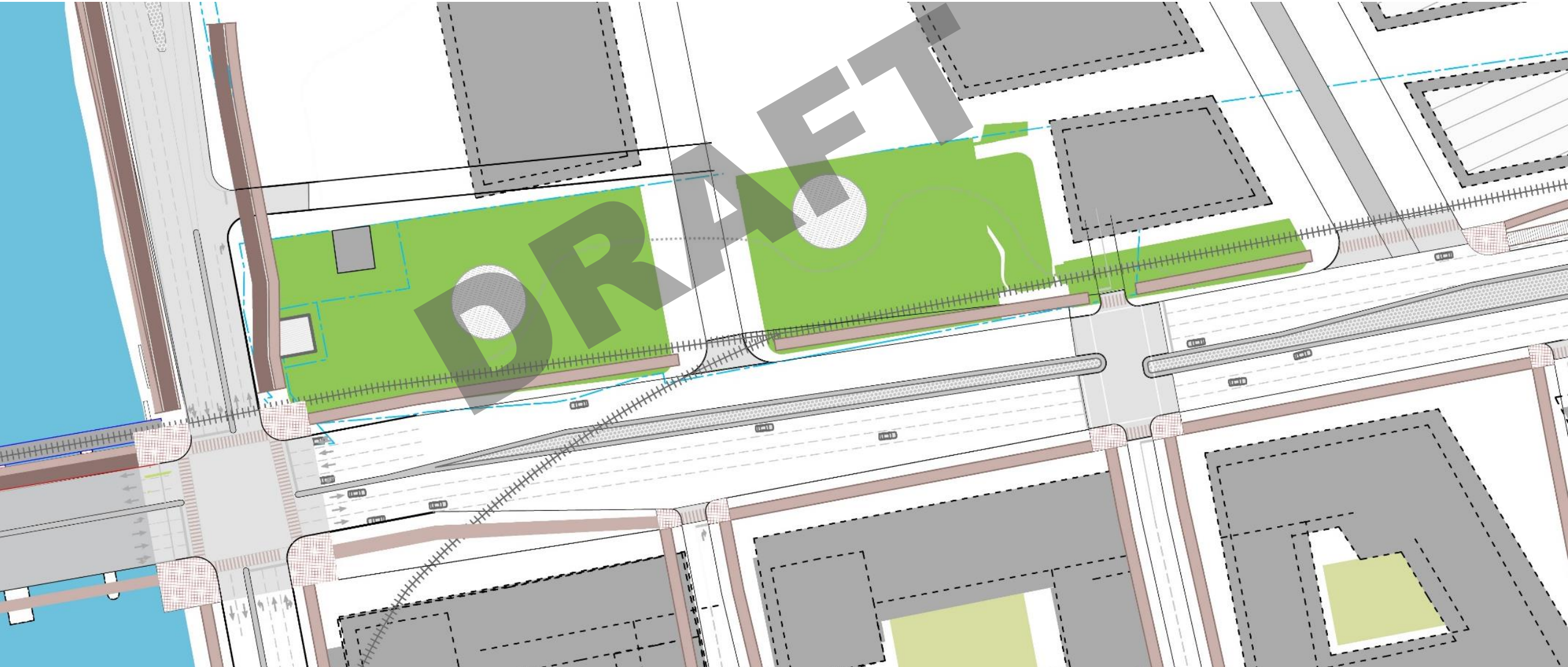
CHERRY STREET / DON VALLEY





# SITE SPECIFIC DESIGN

Plan  
DON VALLEY – LESLIE STREET

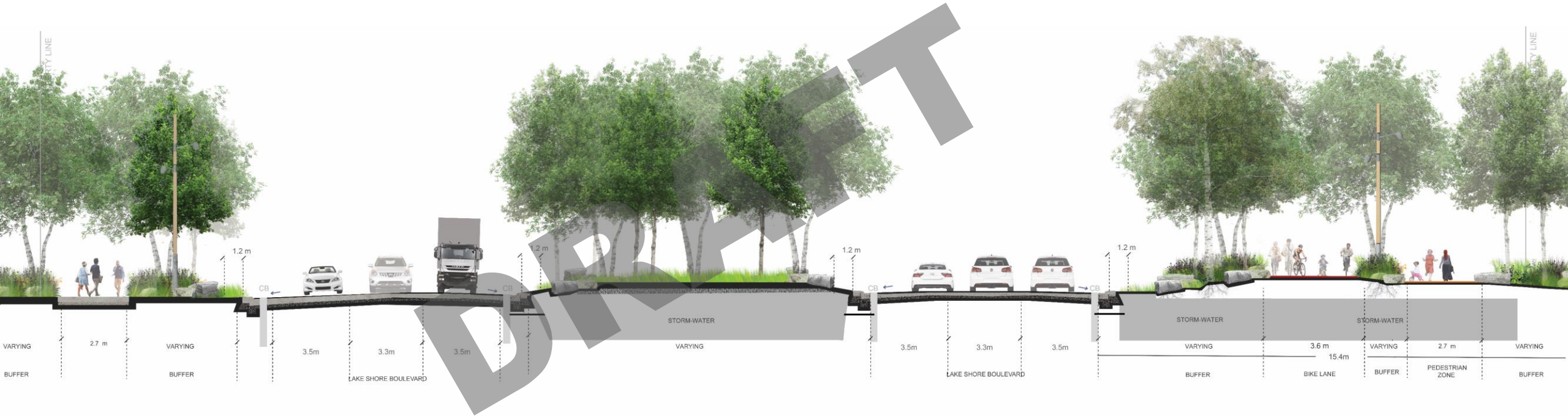




# SITE SPECIFIC DESIGN

Sections

DON VALLEY – LESLIE STREET

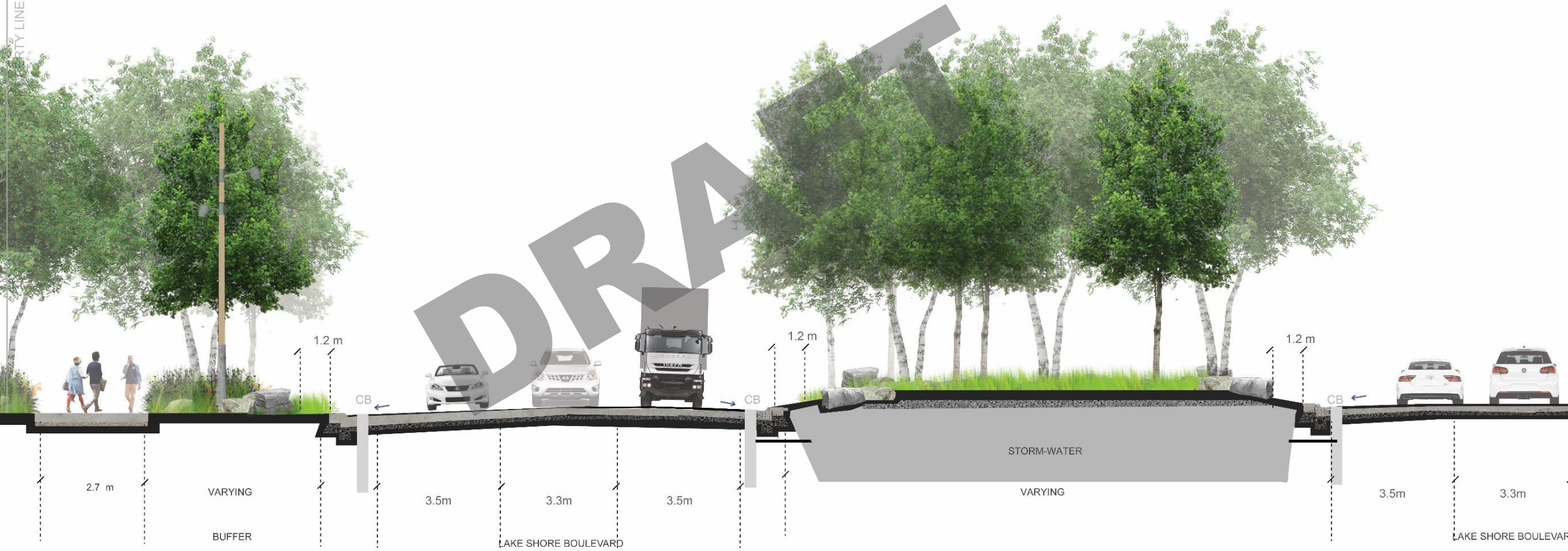




# SITE SPECIFIC DESIGN

Details

DON VALLEY – LESLIE STREET









# STRATEGY / DESIGN

REFERENCE

SCHIPHOL AIRPORT







**THANK YOU**

**WEST 8**  
Urban Design & Landscape Architecture