

**Design Review  
Panel // Bridges**



**DRAFT**

**— Port  
Lands.**

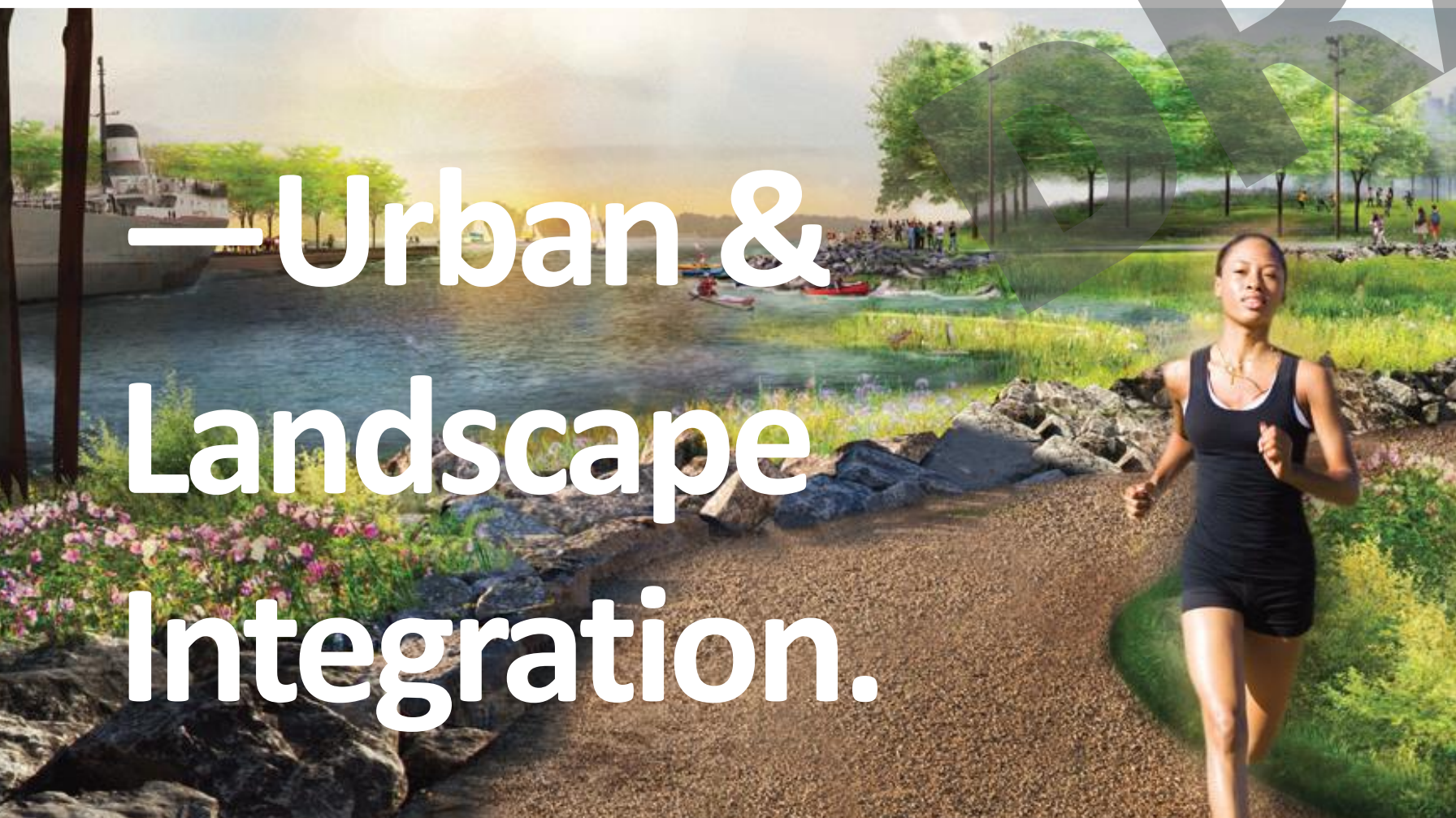




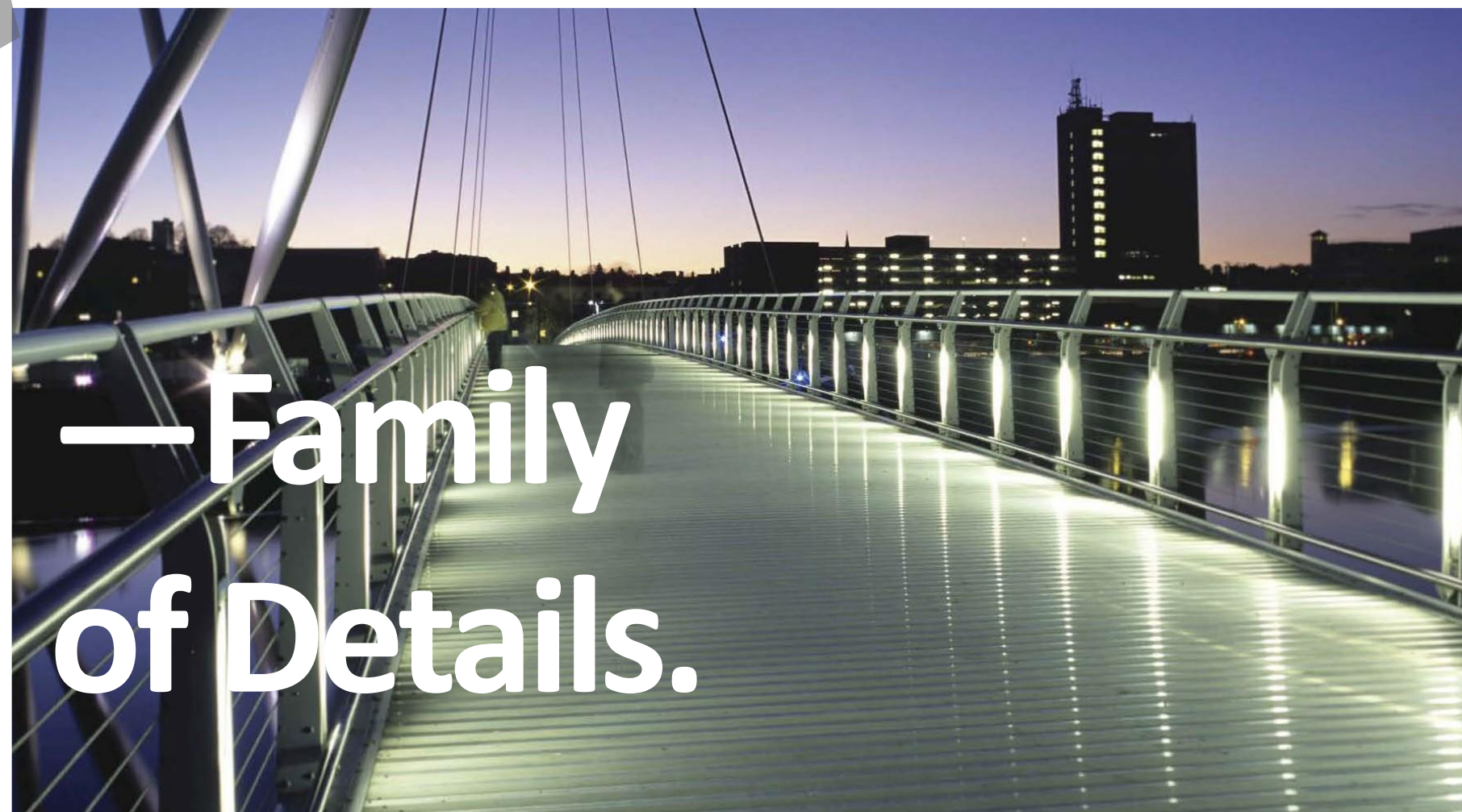
—Locally Inspired.



—Great Pedestrian Experience.



—Urban & Landscape Integration.



—Family of Details.



**1. Local Analysis & History.**

**2. Aspirations.**

**3. Some Initial Thoughts.**

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— Big & Diverse



— Urban & Natural



— Exceptions & Exceptional



— Organic & Manmade

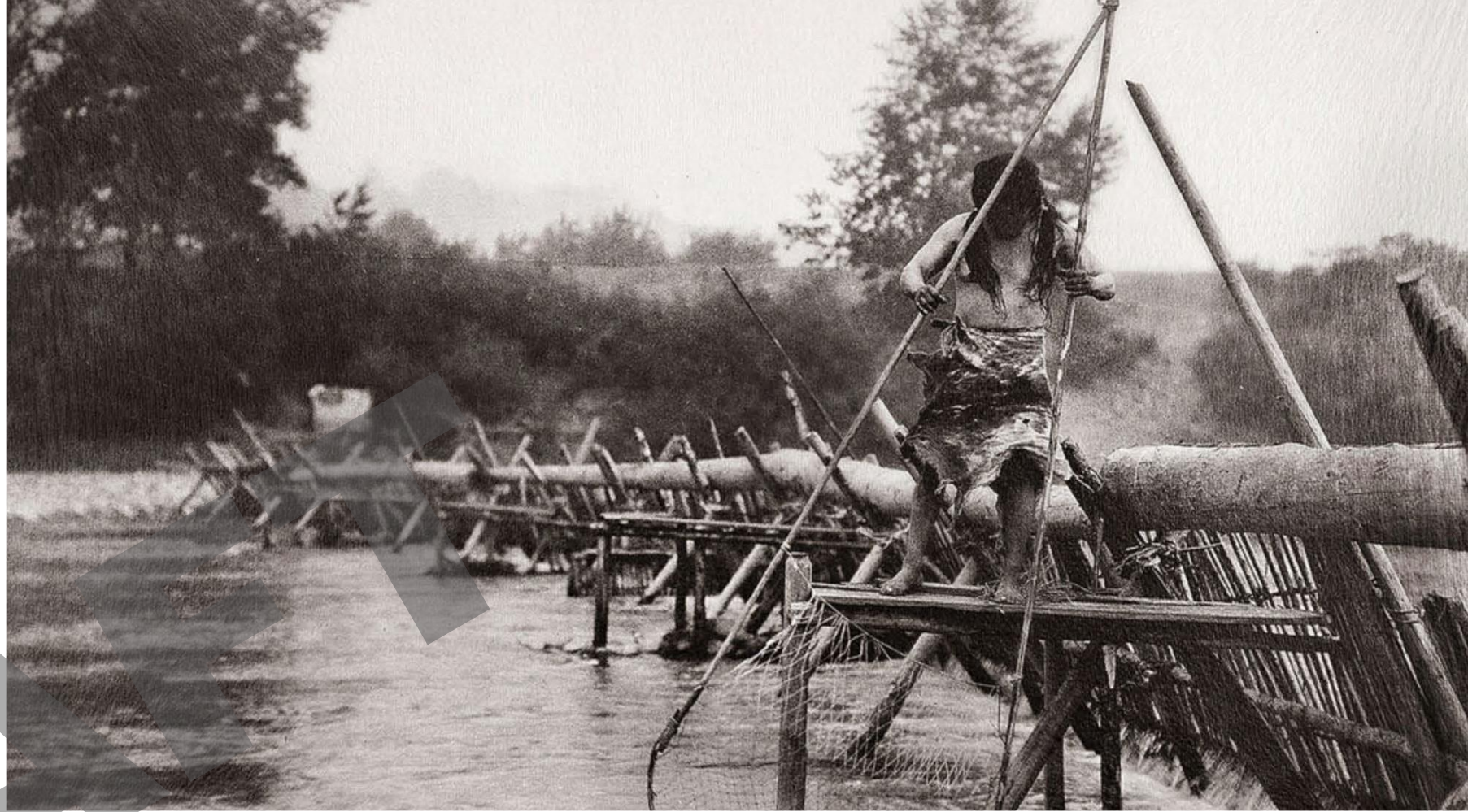


— Urban Living



— Showcase Innovation



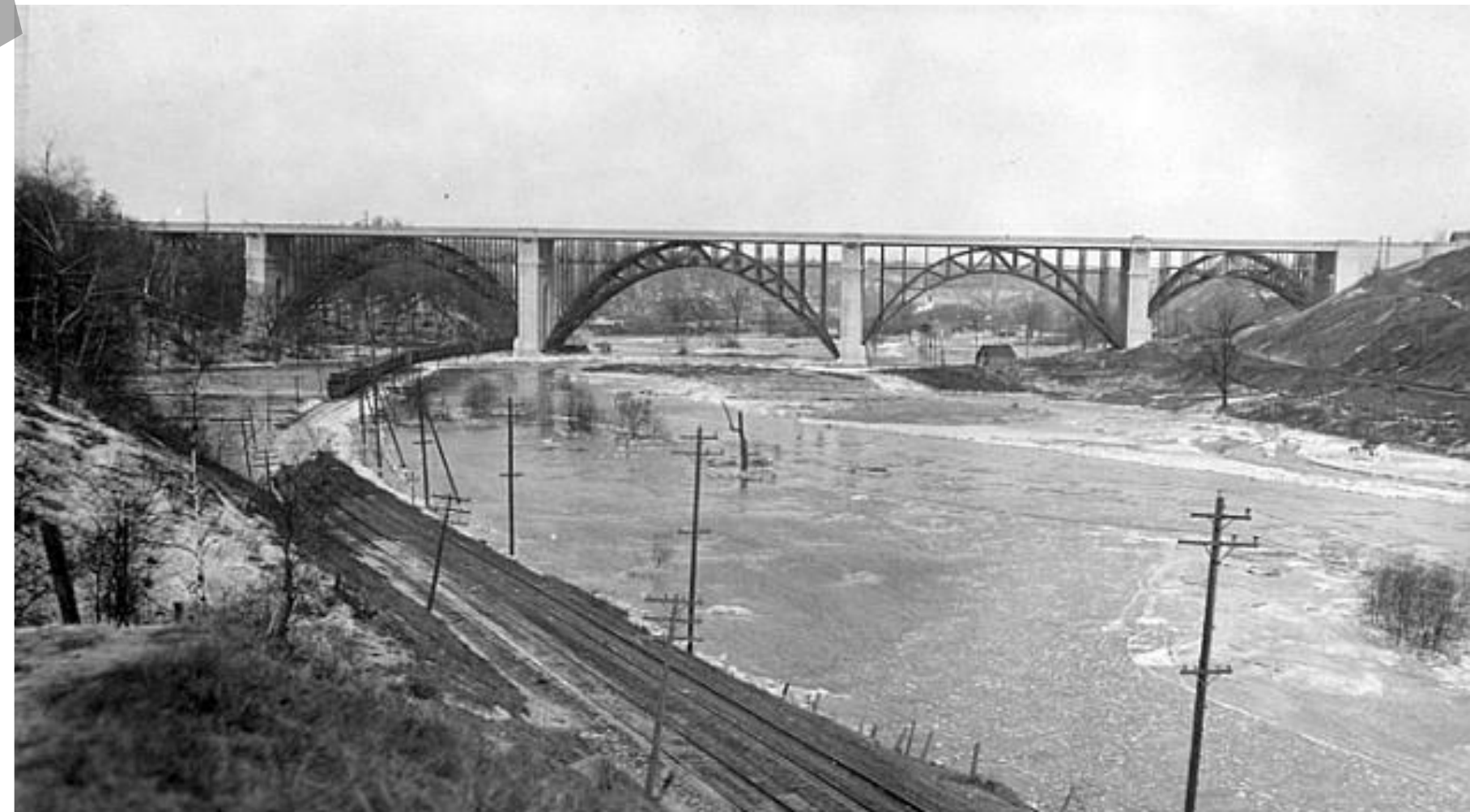
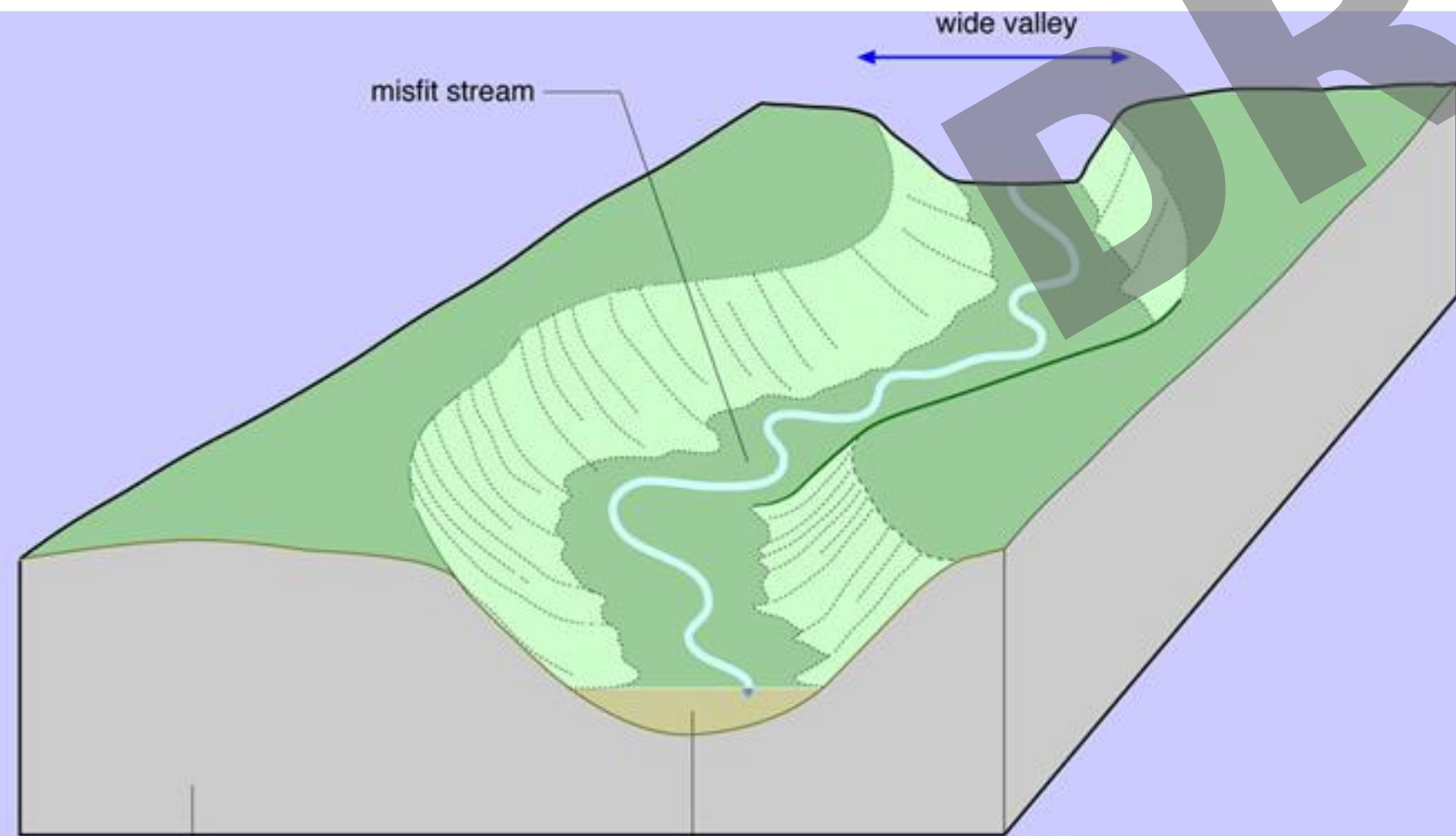
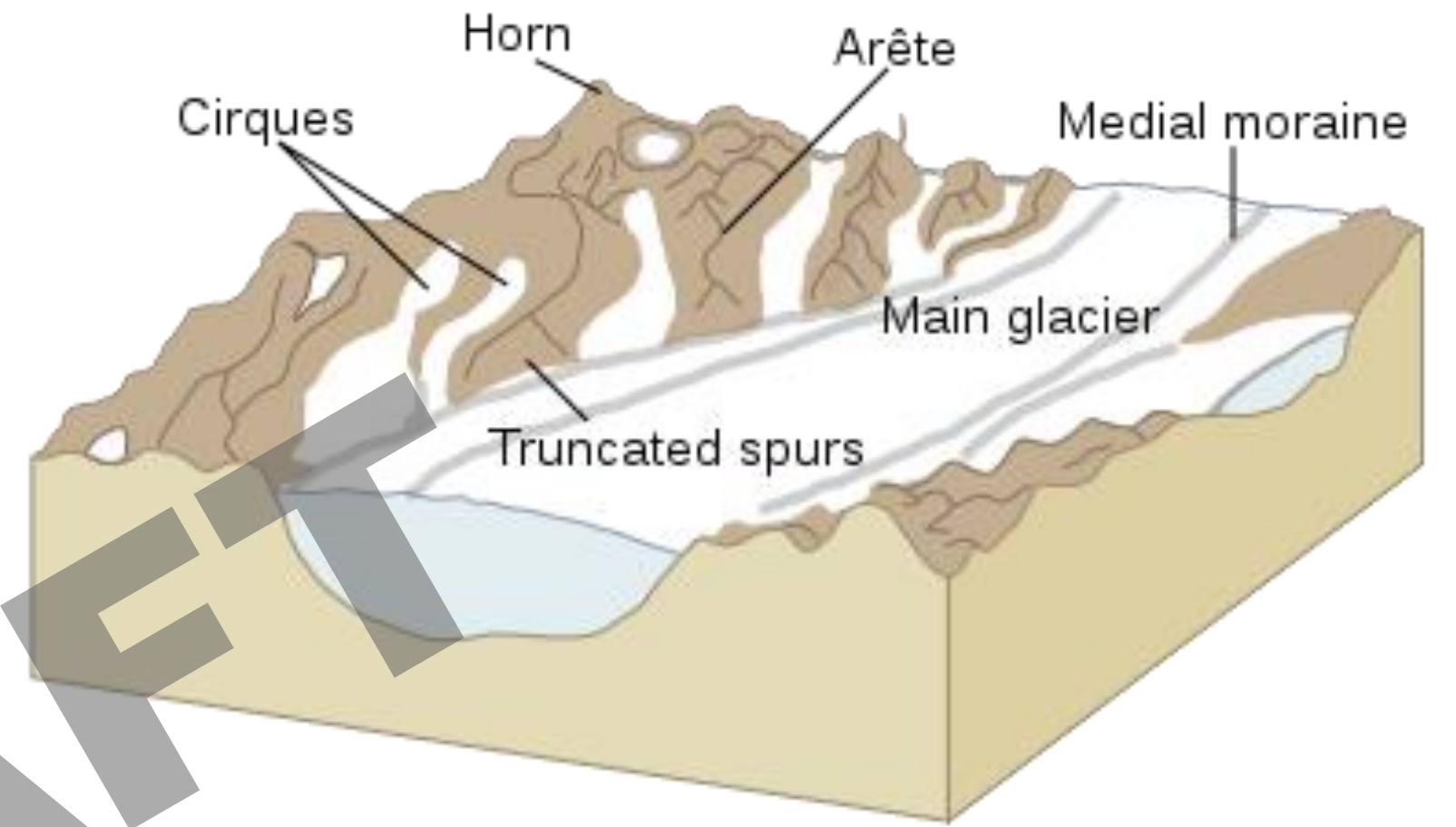


— History.



# Geological History

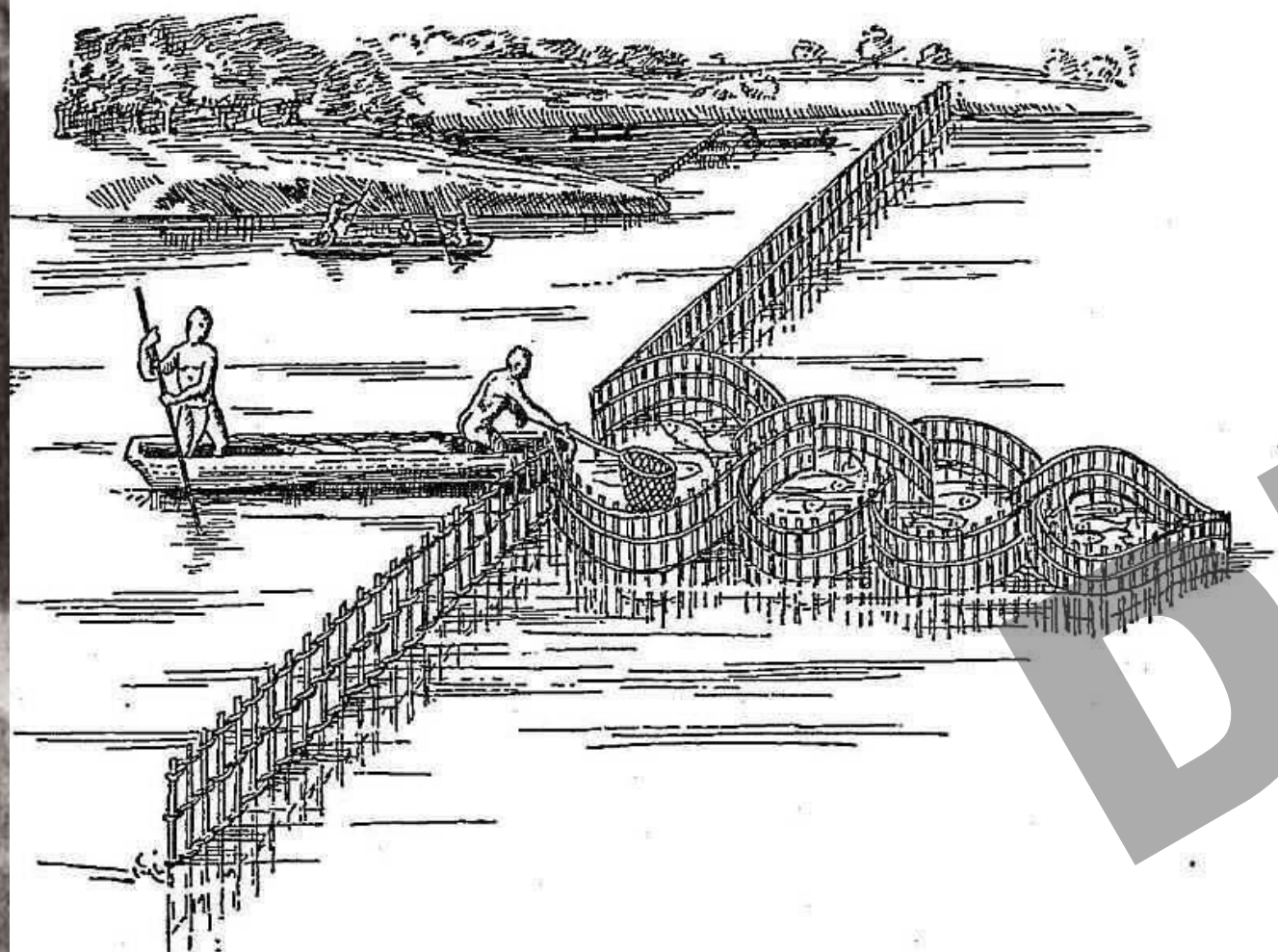
## Industrial Past





# Cultural History

## First Inhabitants



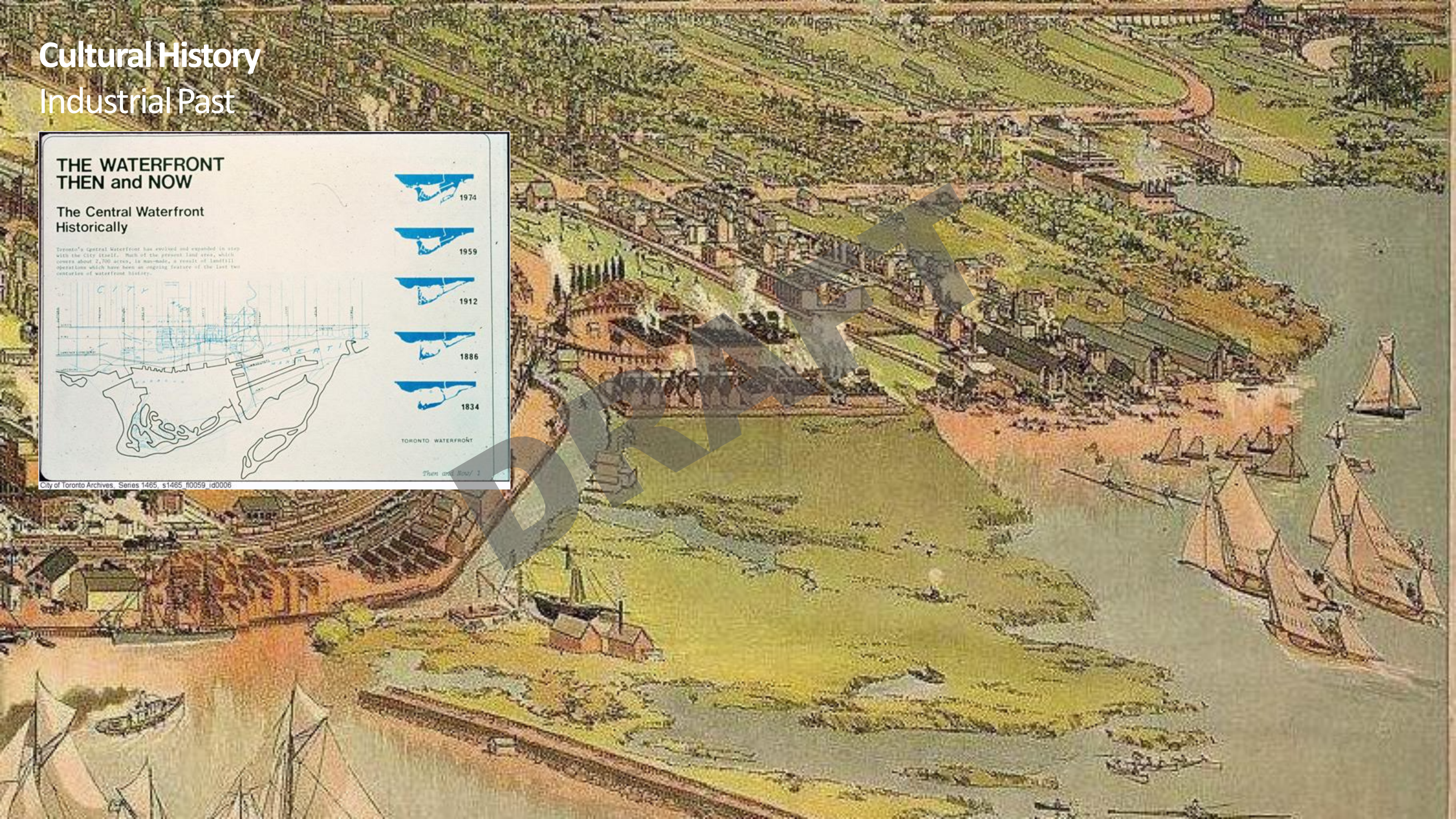
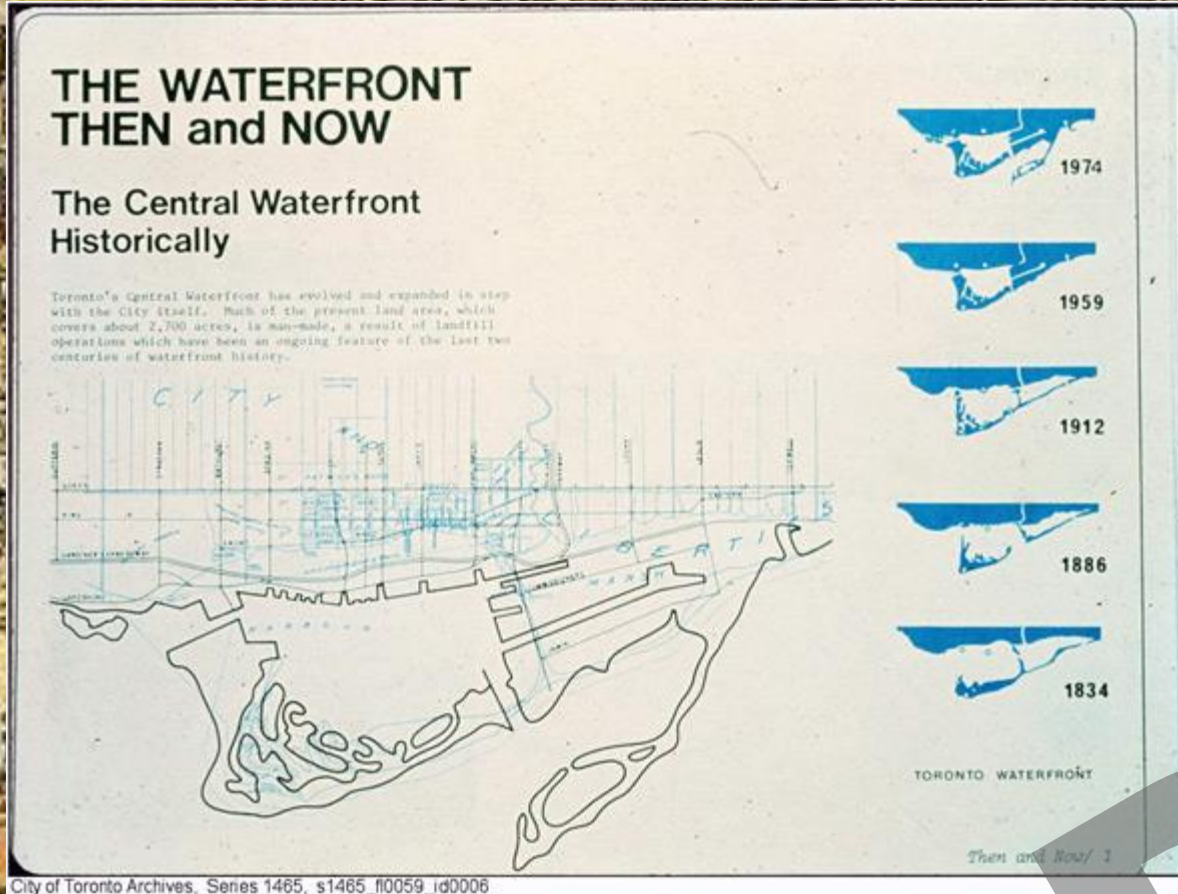
For fishing, Eastern Woodland Hunter used hooks, weirs, leisters, and nets, all of which they made themselves from forest material.





# Cultural History

## Industrial Past



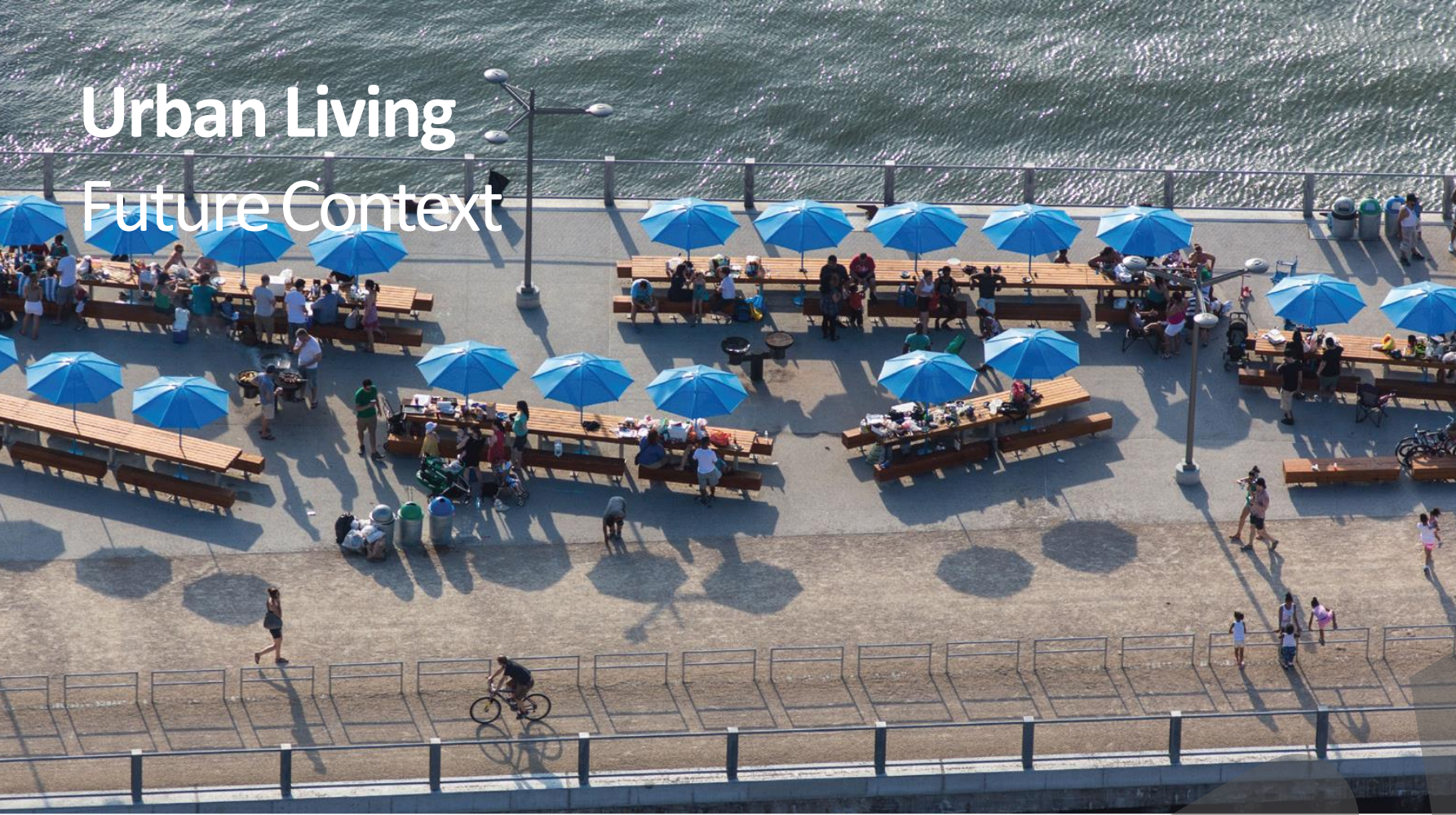


# Exceptions and Exceptional Industrial Legacy





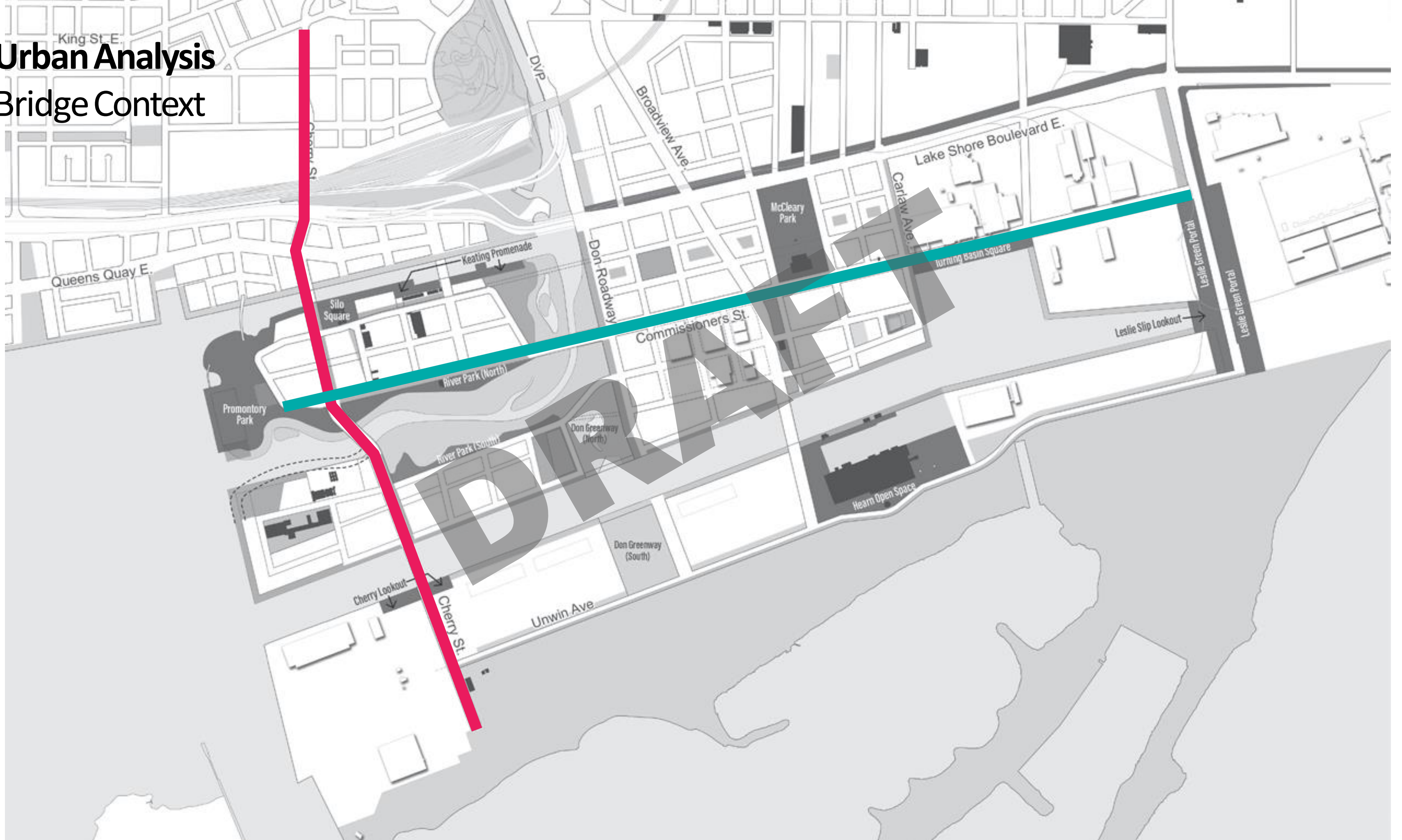
# Urban Living Future Context





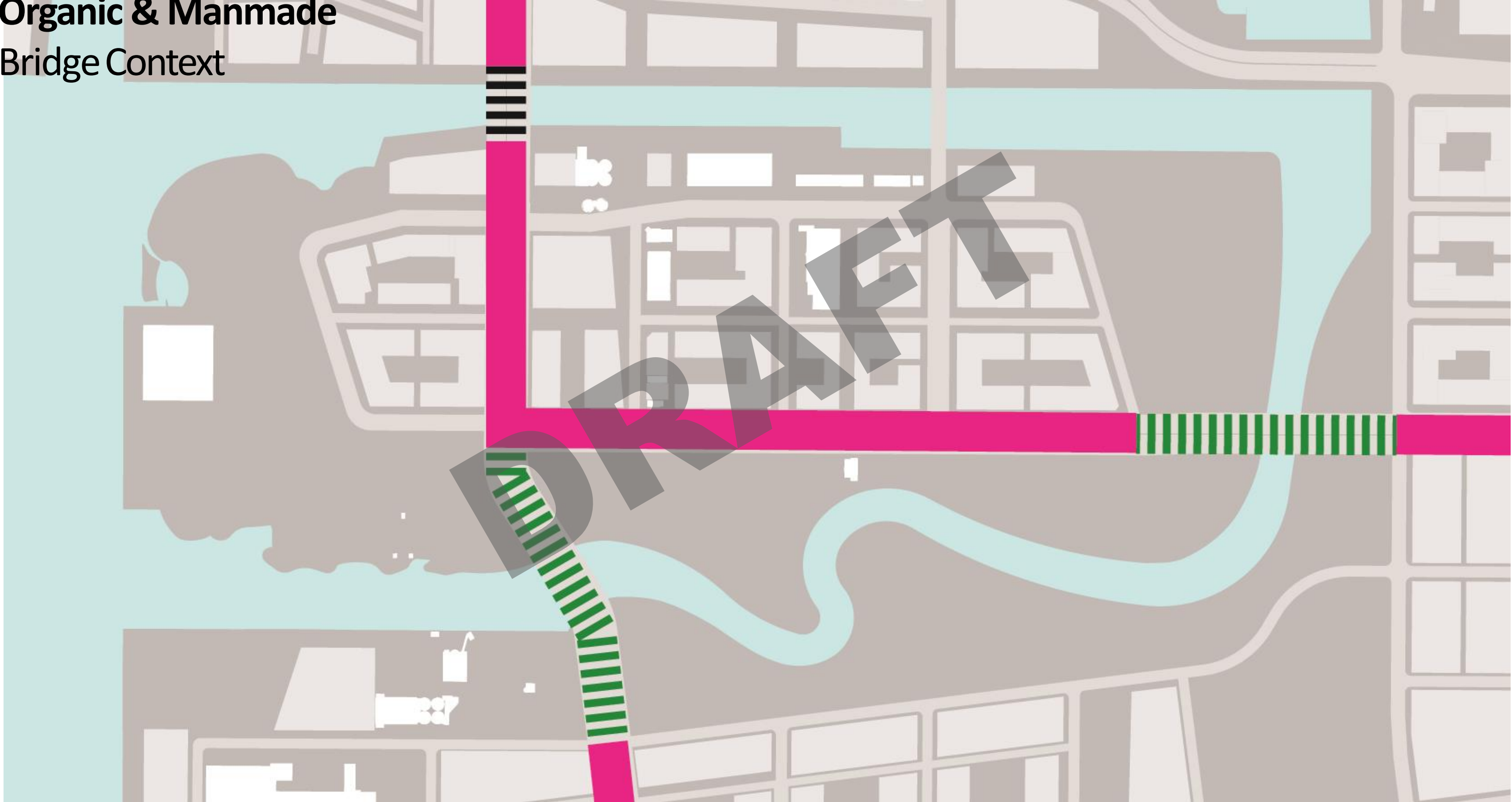
# Urban Analysis

## Bridge Context



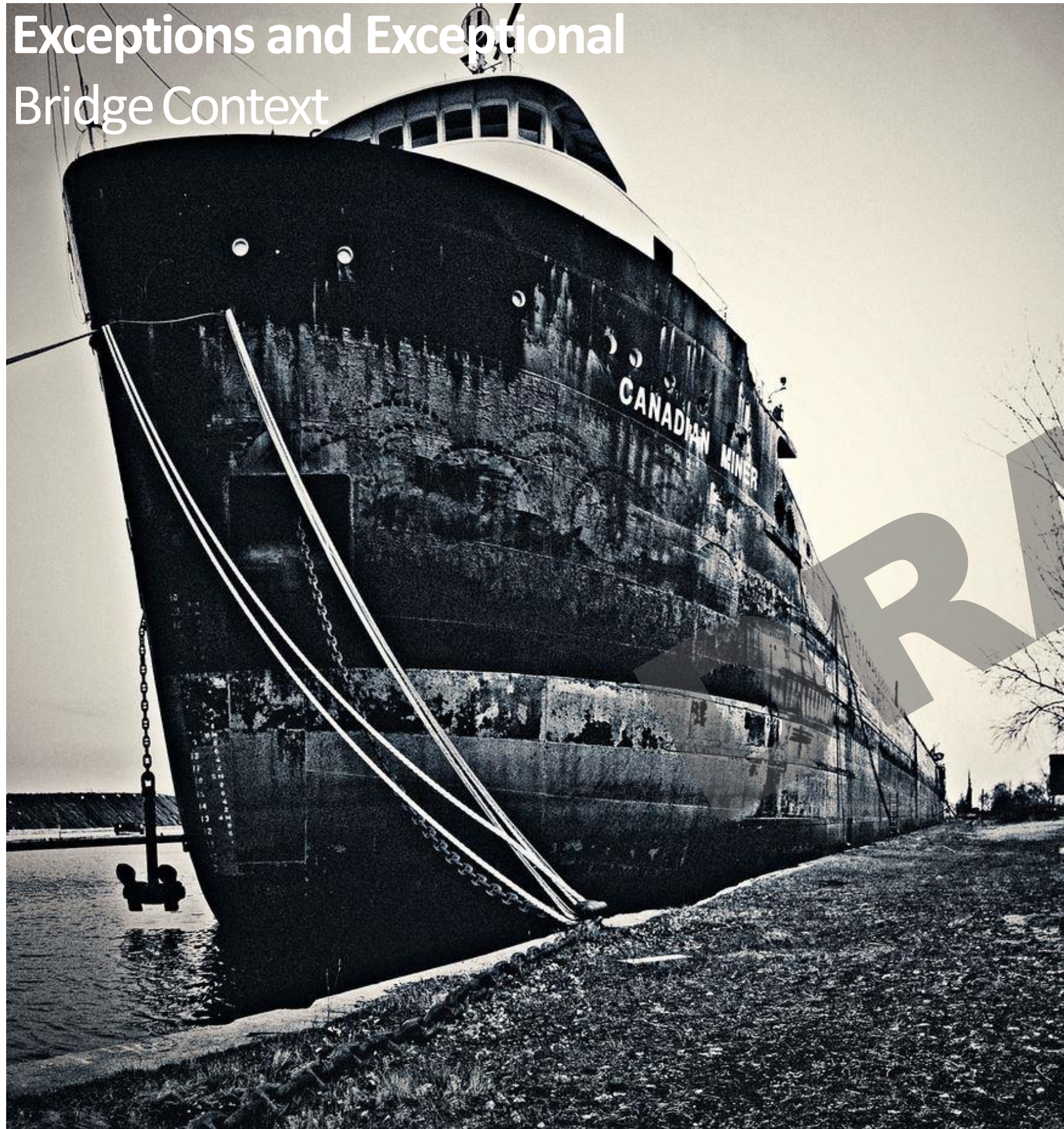


**Organic & Manmade**  
Bridge Context





# Exceptions and Exceptional Bridge Context



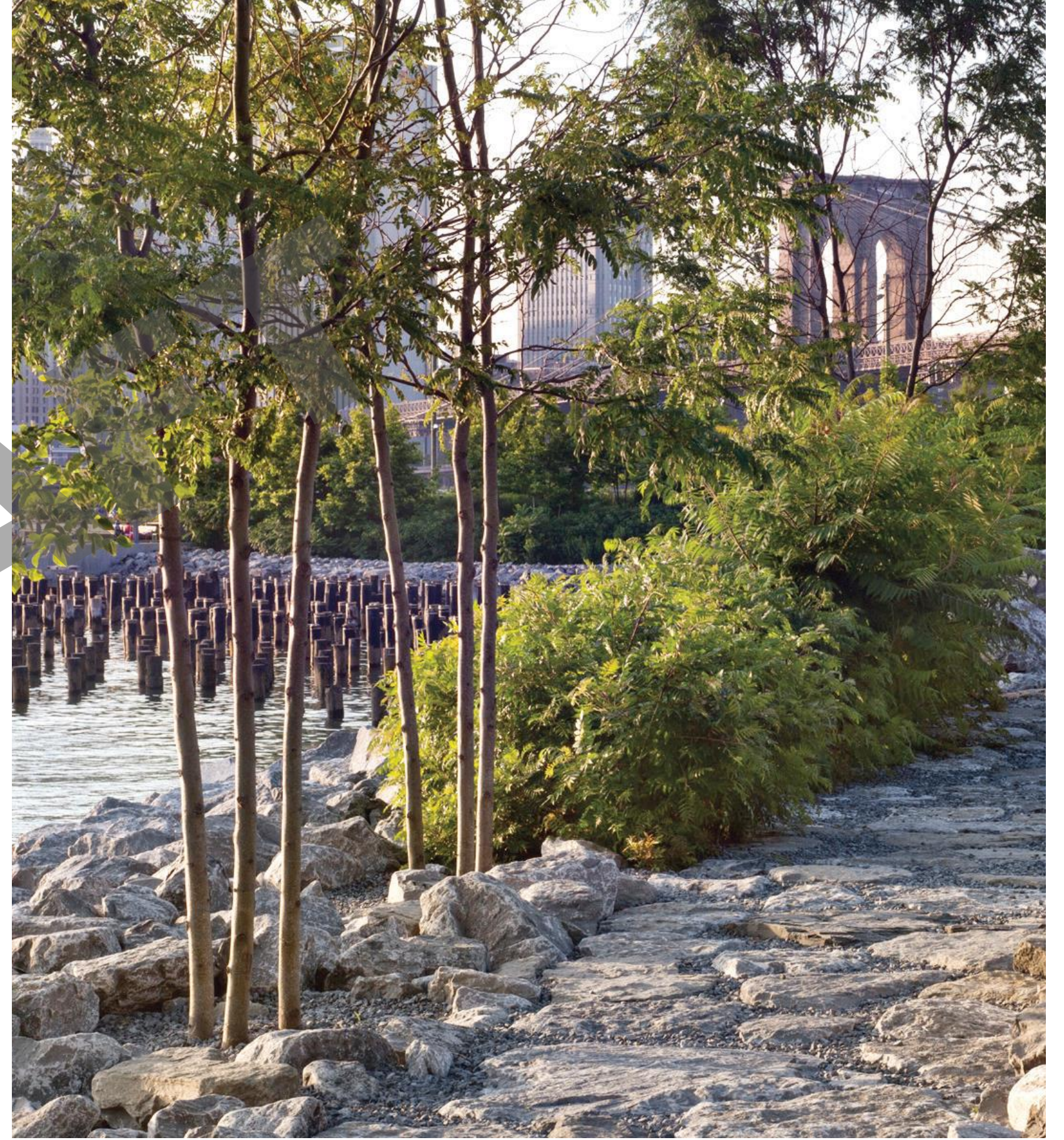


# Organic & Manmade Bridge Context





# Organic & Manmade Bridge Context








— Aspirations.





*—We will bring to bear our experience into a deep dive on the specifics of place at the future Port Lands through day and night and through the seasons to arrive at bridges of distinction and character.*



**Commissioner St**

- A family of bridges that unify and help define the Port Lands precinct
- Integrated into proposed urban development
- Integrated into the proposed landscape parks
- Provide positive experience for pedestrians and cyclists above and below grade
- Informed by the cultural and natural history of the Don River Mouth

**Cherry St South**

**Cherry St North**



# Site Analysis

## Cherry North



### Opportunities

- Gateway Bridge

### Parameters

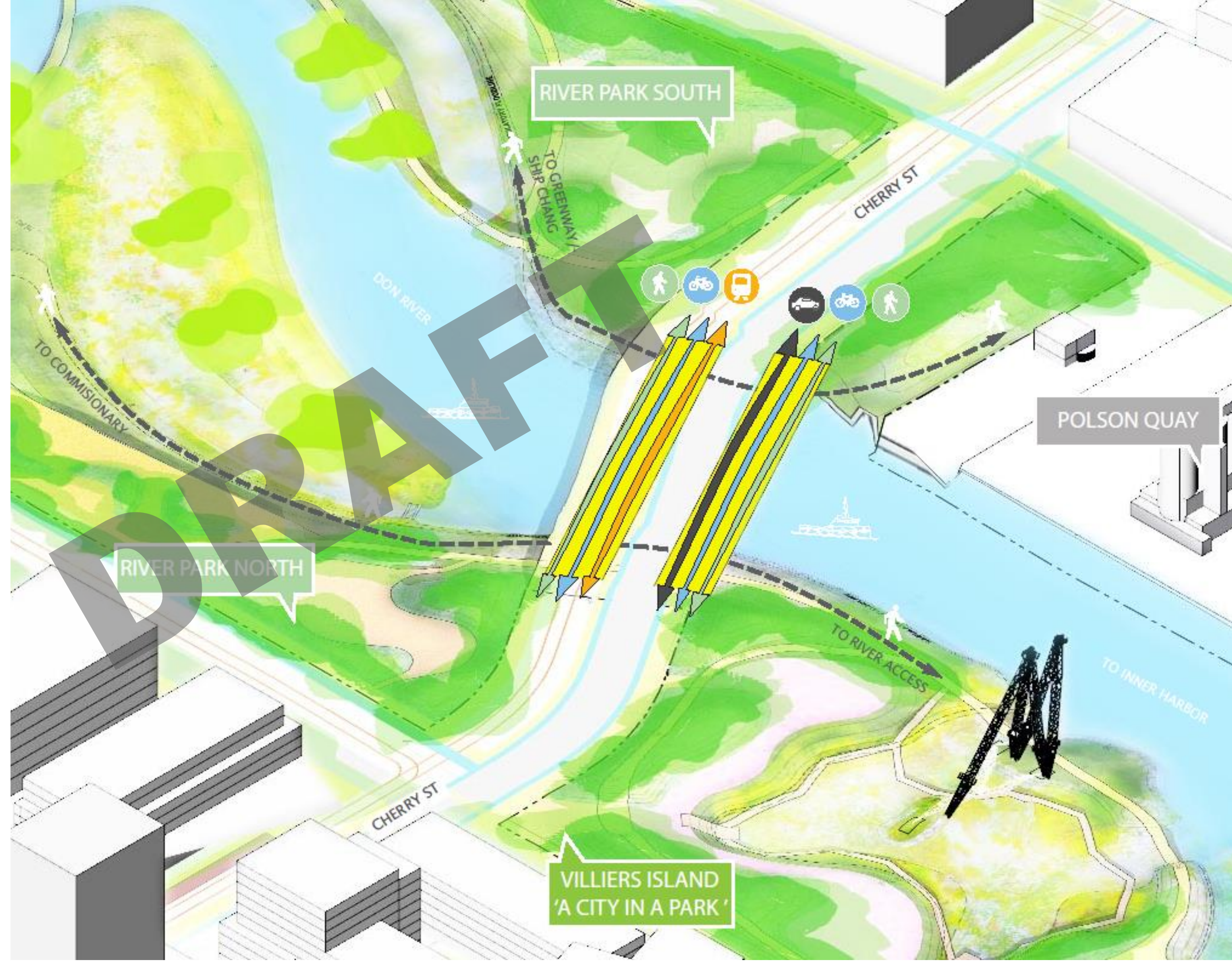
- Single Phase Construction
- Single Span (dual carriageway)
- Tug boat Clearance
- Pedestrian Clearance
- Constrained site



# Site Analysis

## Cherry South

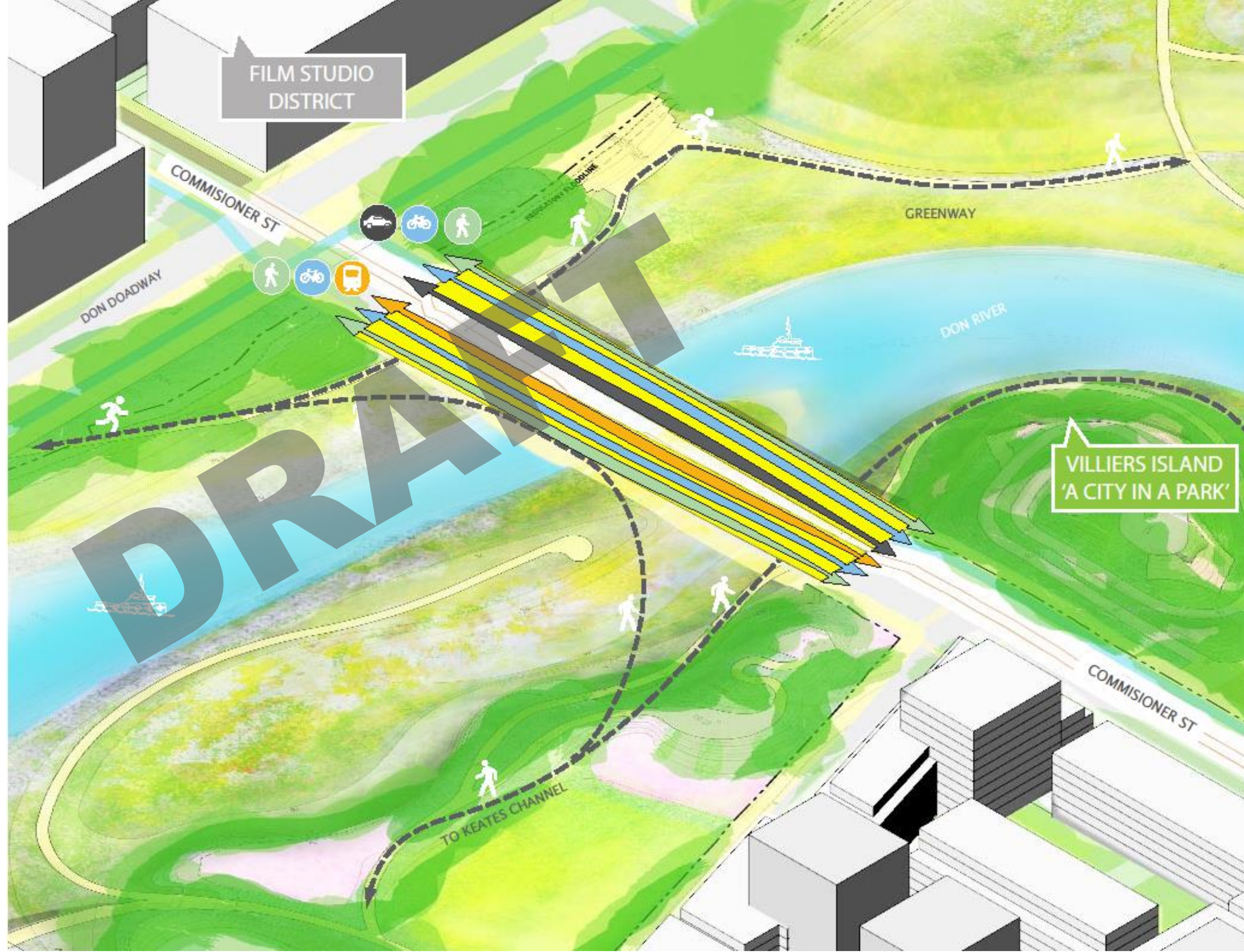
- **Opportunities**
  - High Visibility
  - Landscape integration
  - Minimize visual impact of piers
- 
- **Parameters**
  - Two Phase Construction
  - Three Spans
  - Pedestrian Clearance
  - Landscaped site
  - Adjustable Alignment
  - Minimize flow obstruction





# Site Analysis

## Commissioner

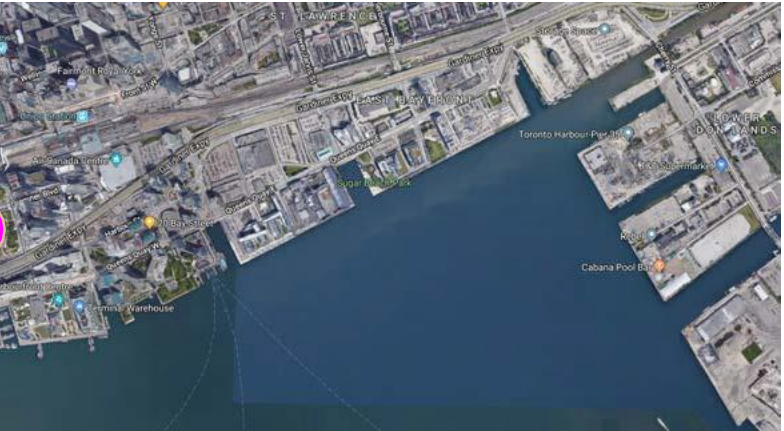
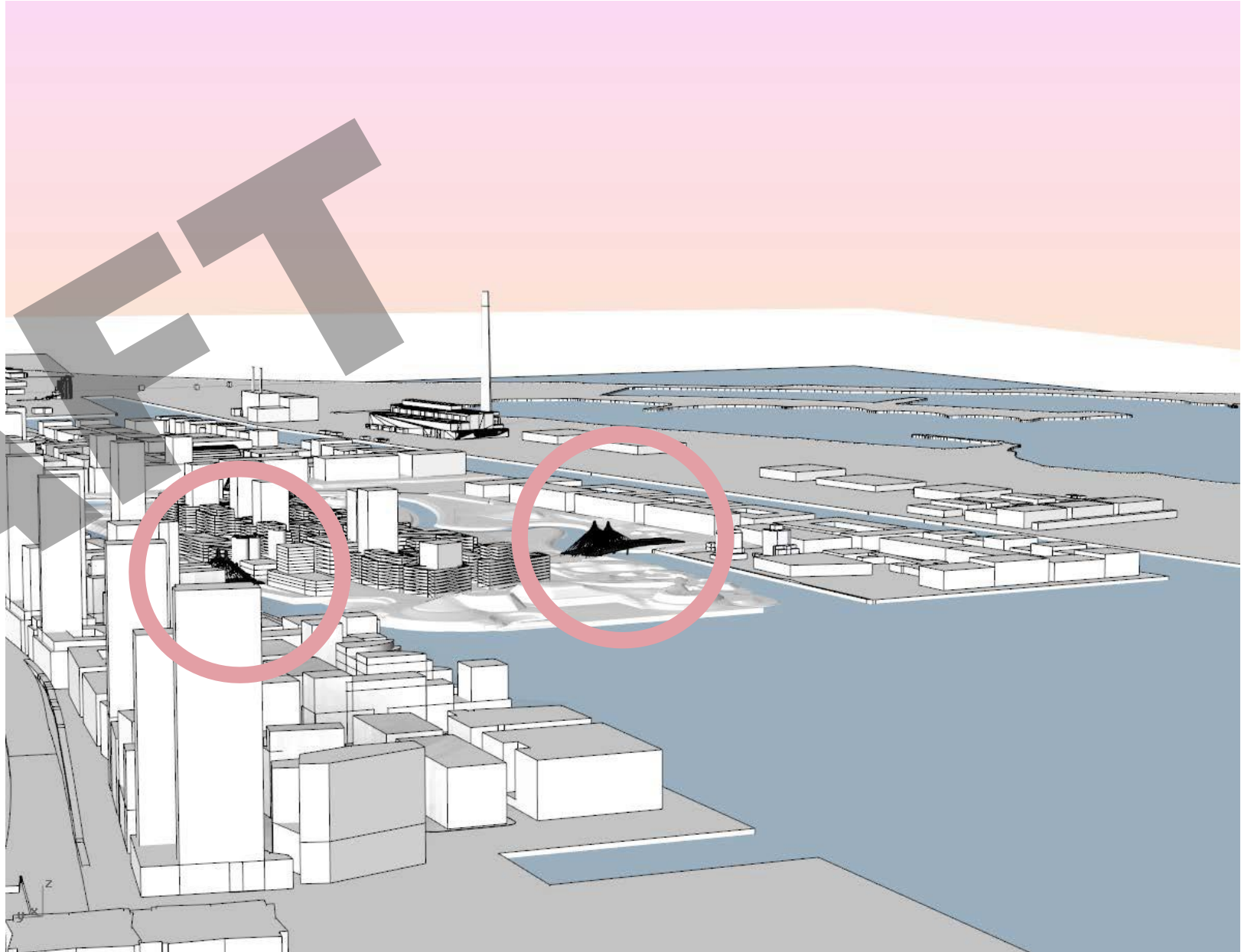


- **Opportunities**
- Transitional portal
- Minimize visual impact of piers
- Landscape integration
- Daylight Penetration/Access
  
- **Parameters**
- Two Phase Construction
- Five unequal Spans
- Pedestrian Clearance (2.5M)
- Landscaped site
- Minimize flow obstruction



# Architectural Studies

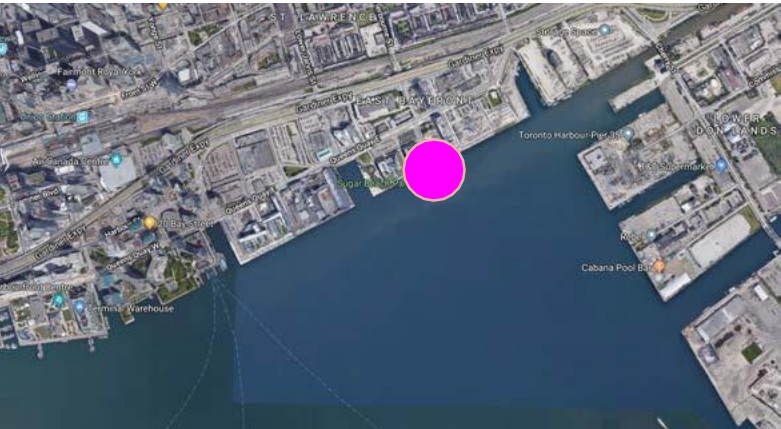
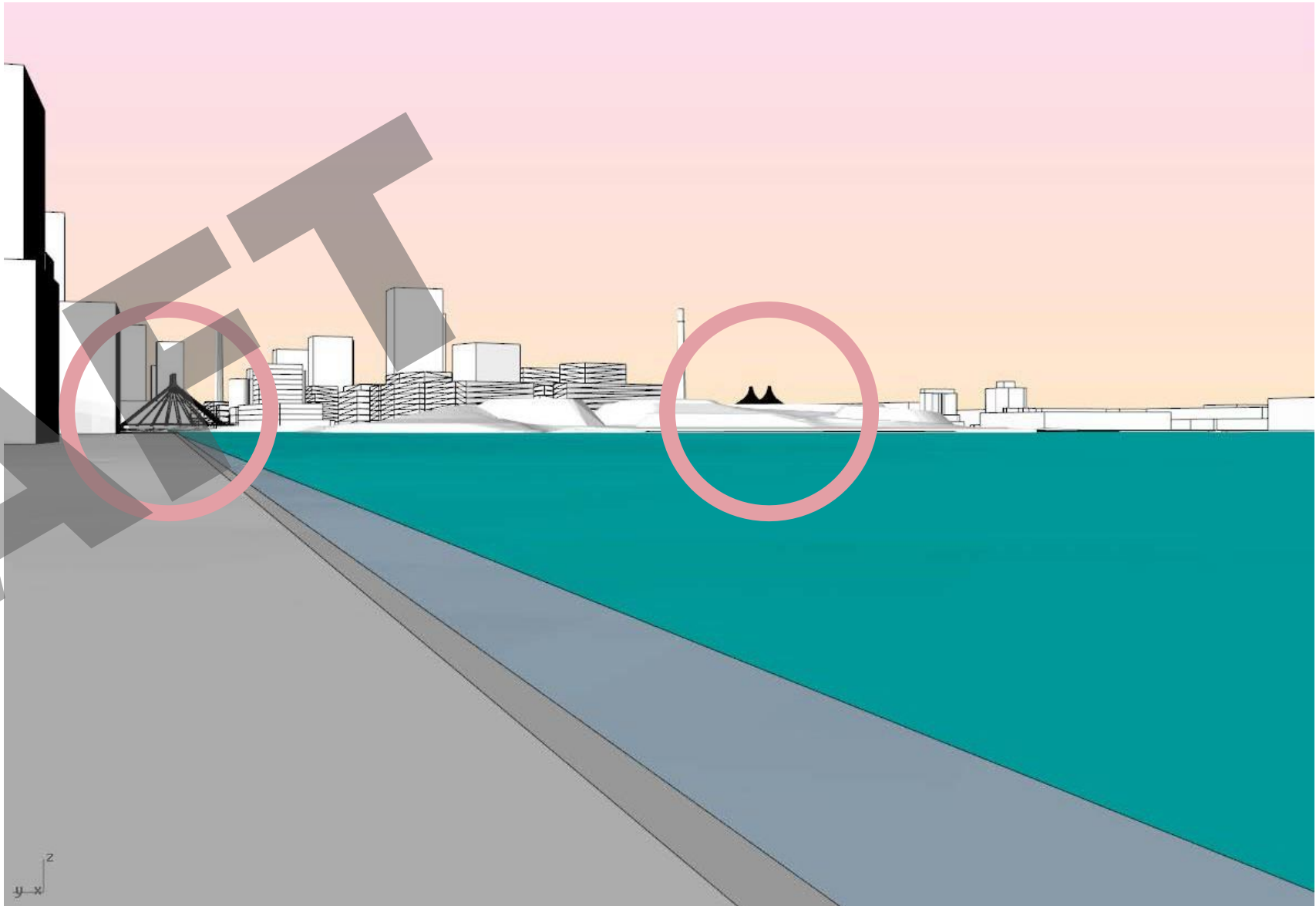
## Site Studies





# Architectural Studies

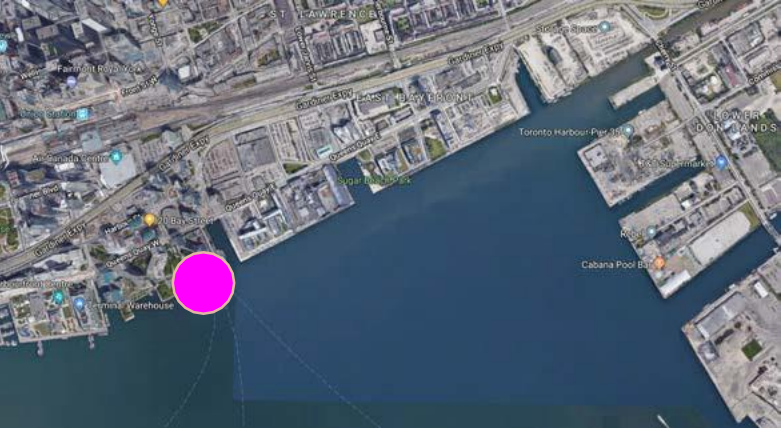
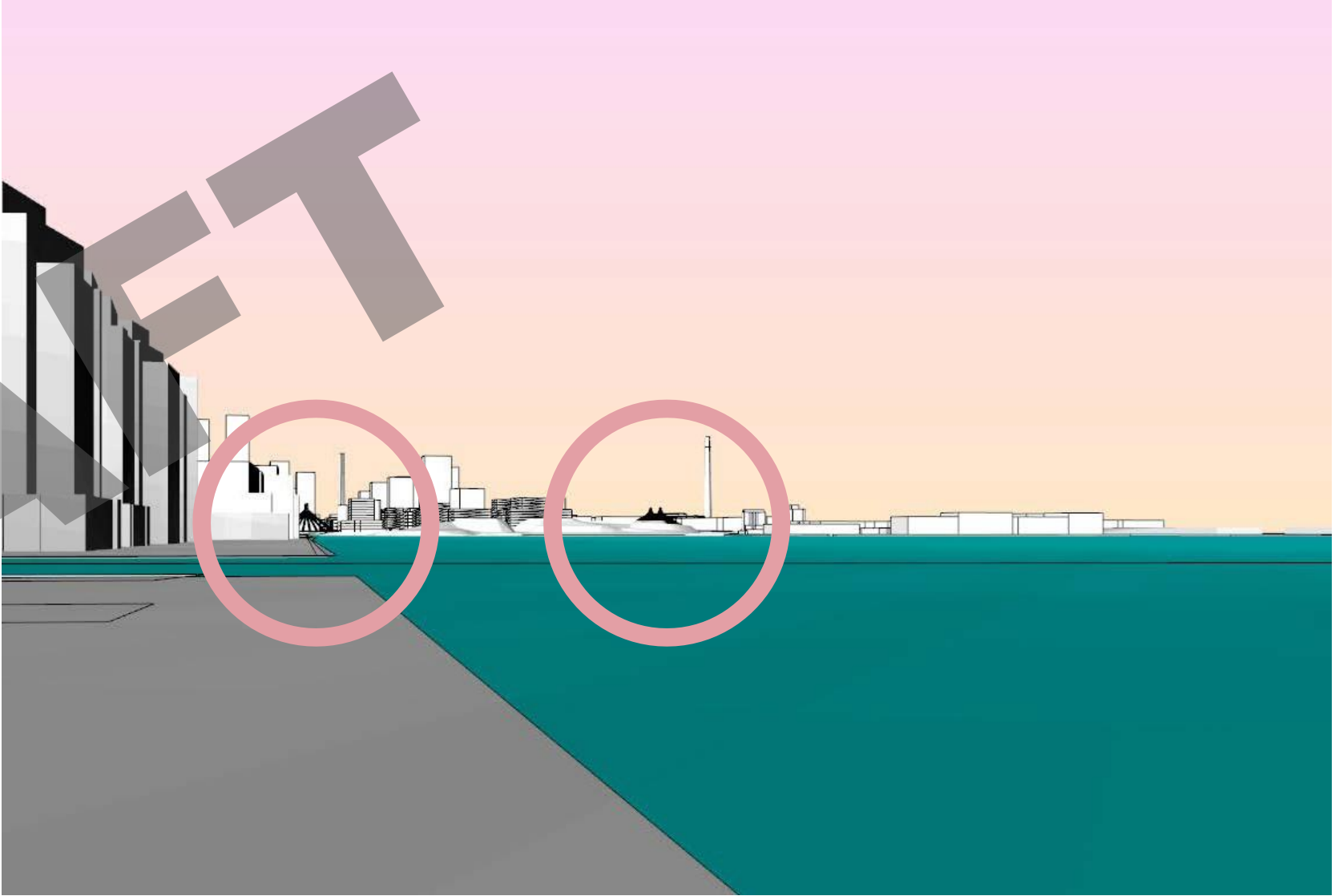
## Site Studies





# Architectural Studies

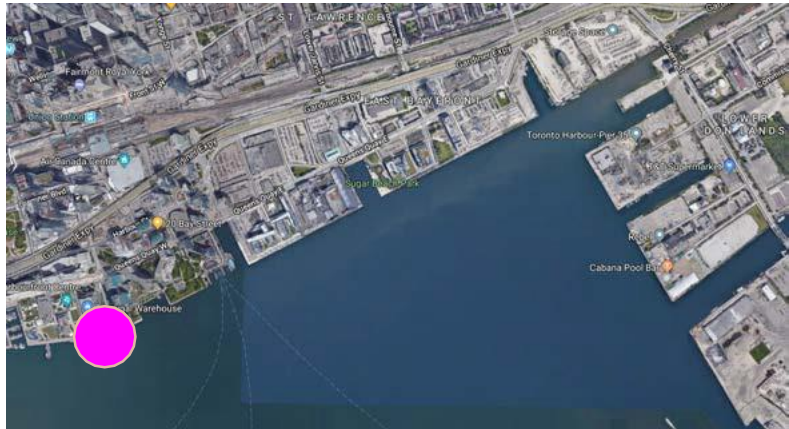
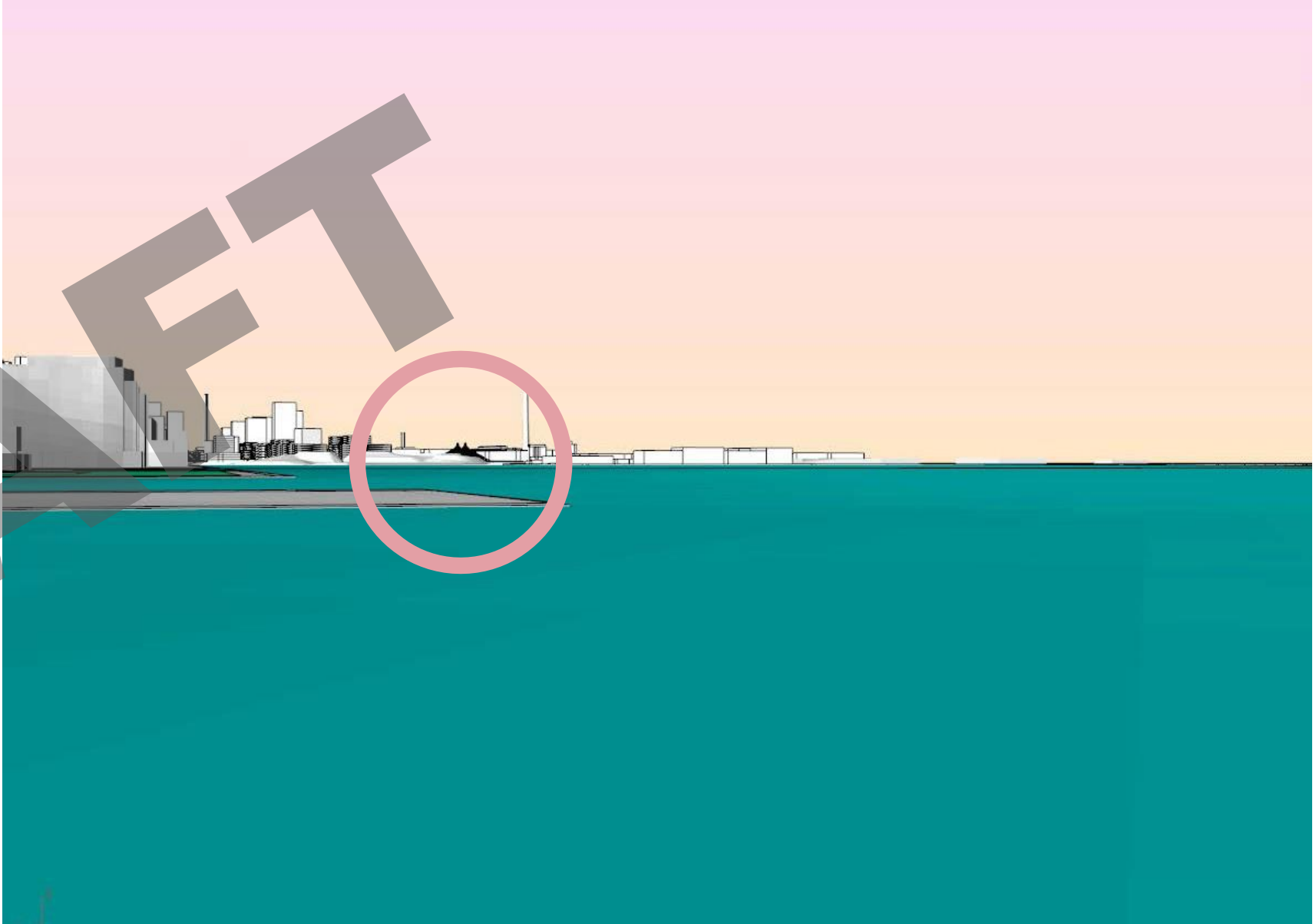
## Site Studies





# Architectural Studies

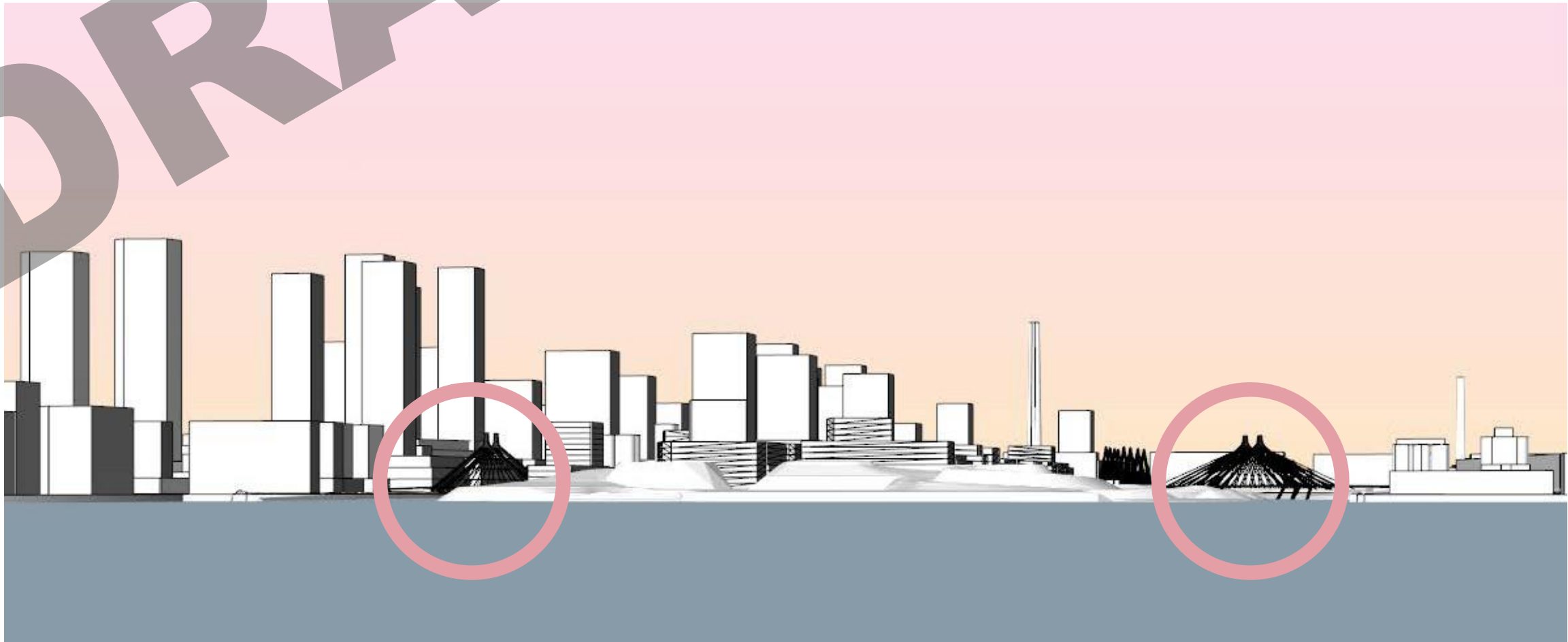
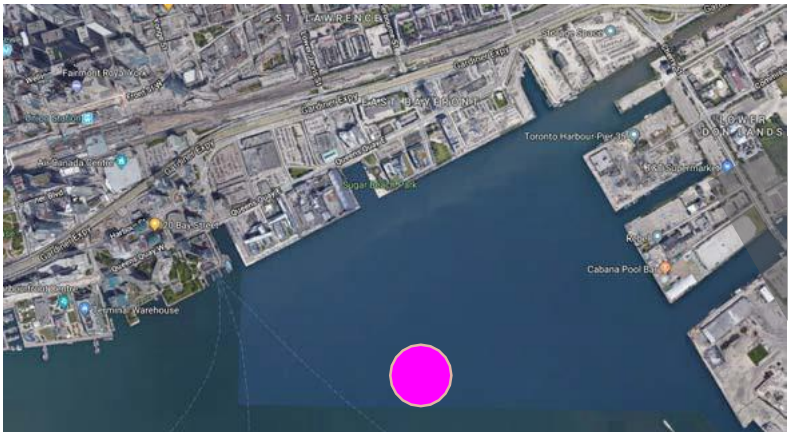
## Site Studies





# Architectural Studies

## Site Studies

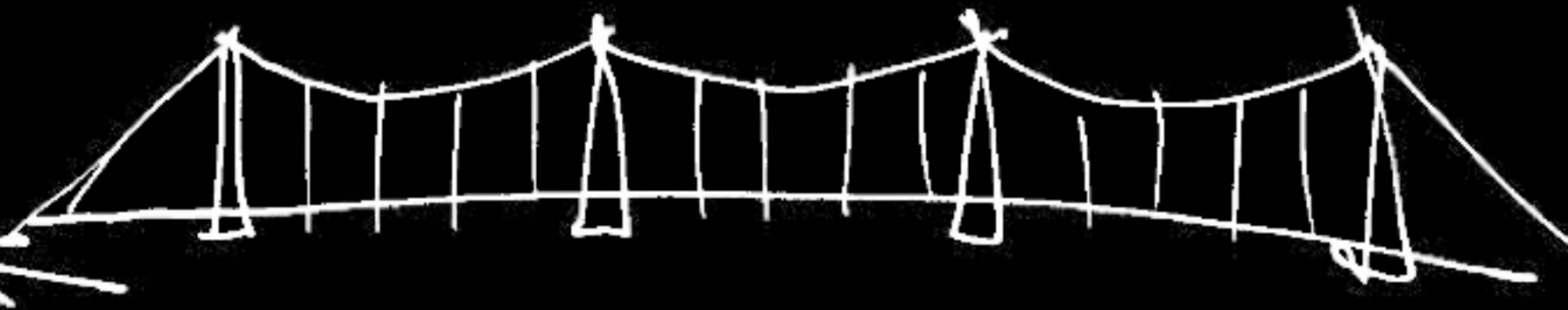
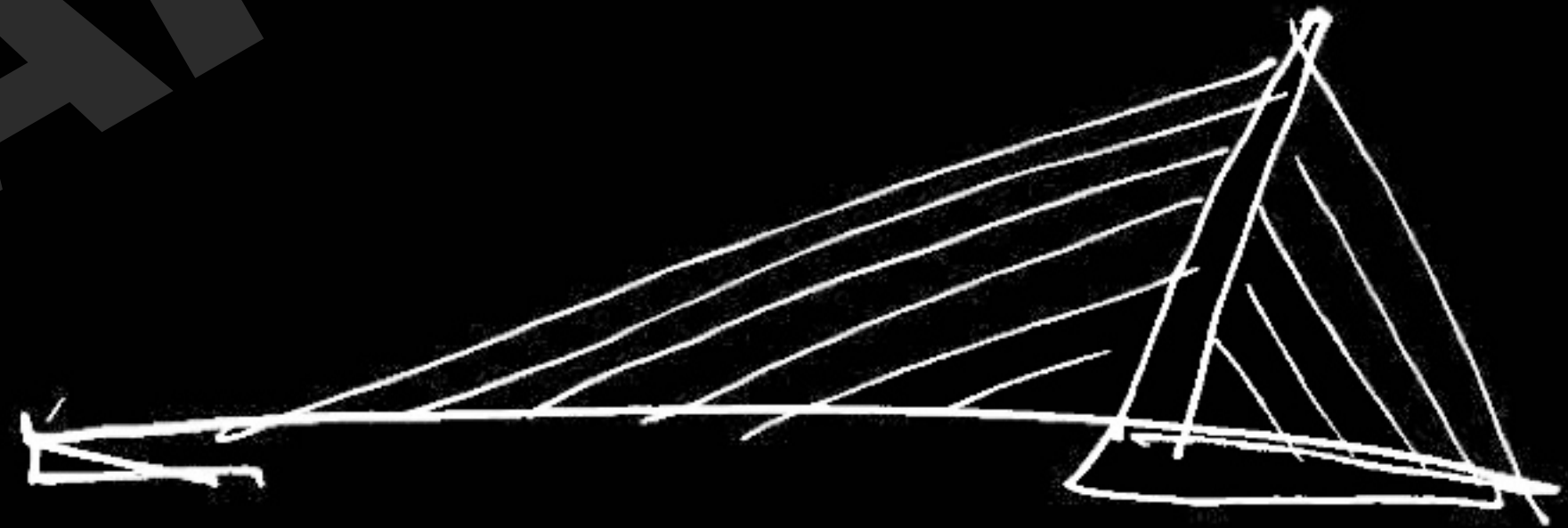
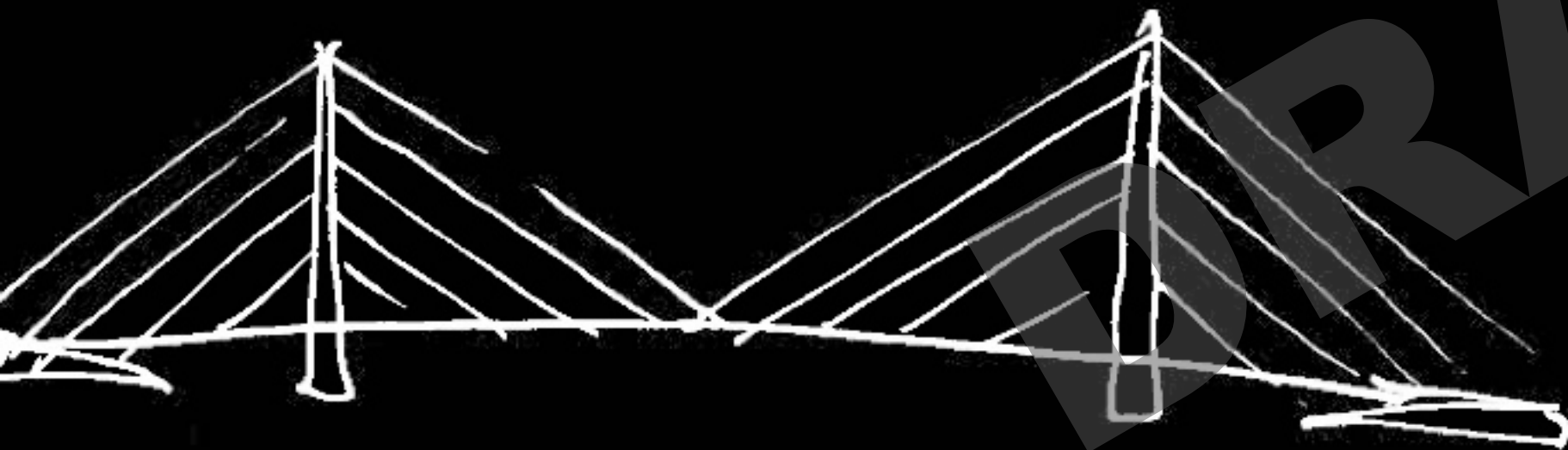






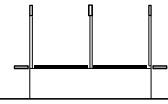
— Initial  
Thoughts.



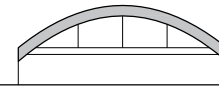




**Family 1.0:**  
Arch Above & Below



Cherry StN



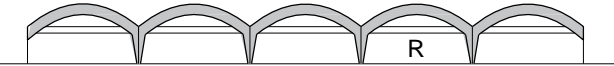
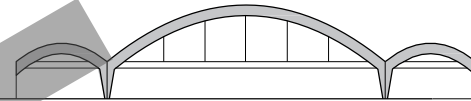
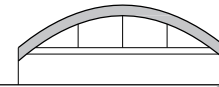
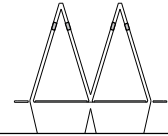
Cherry StS



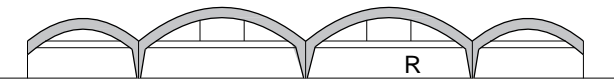
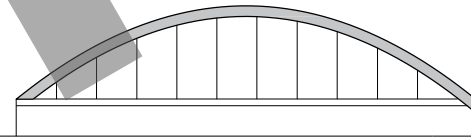
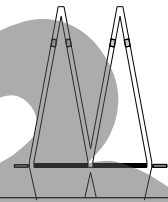
Commissioner St



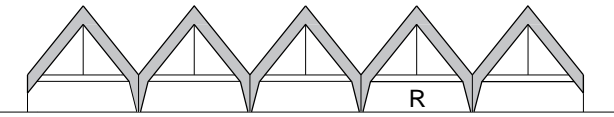
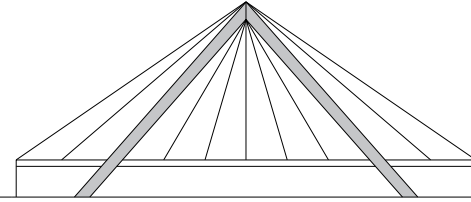
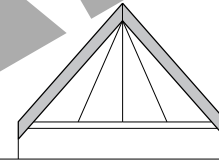
**Family 2.0:**  
'Springing Arch'



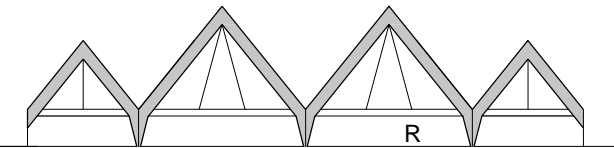
**Family 2.2:**  
'Stone Skipping'



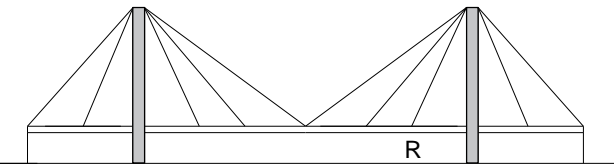
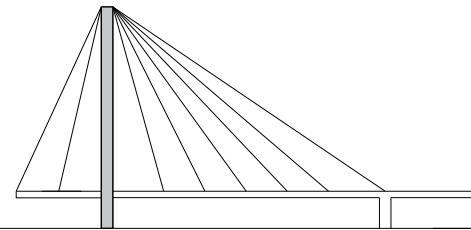
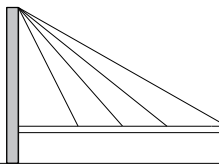
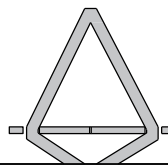
**Family 3.0:**  
'Crane'



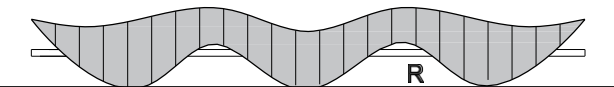
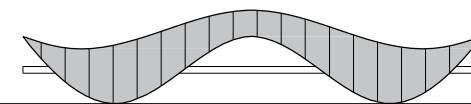
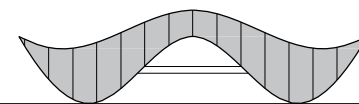
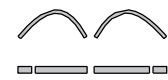
**Family 3.2:**  
'Industrial Crane'



**Family 4.0**  
Cable Stayed



**Family 5.0**  
Landscape



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/ Landscape.



/ Industry.

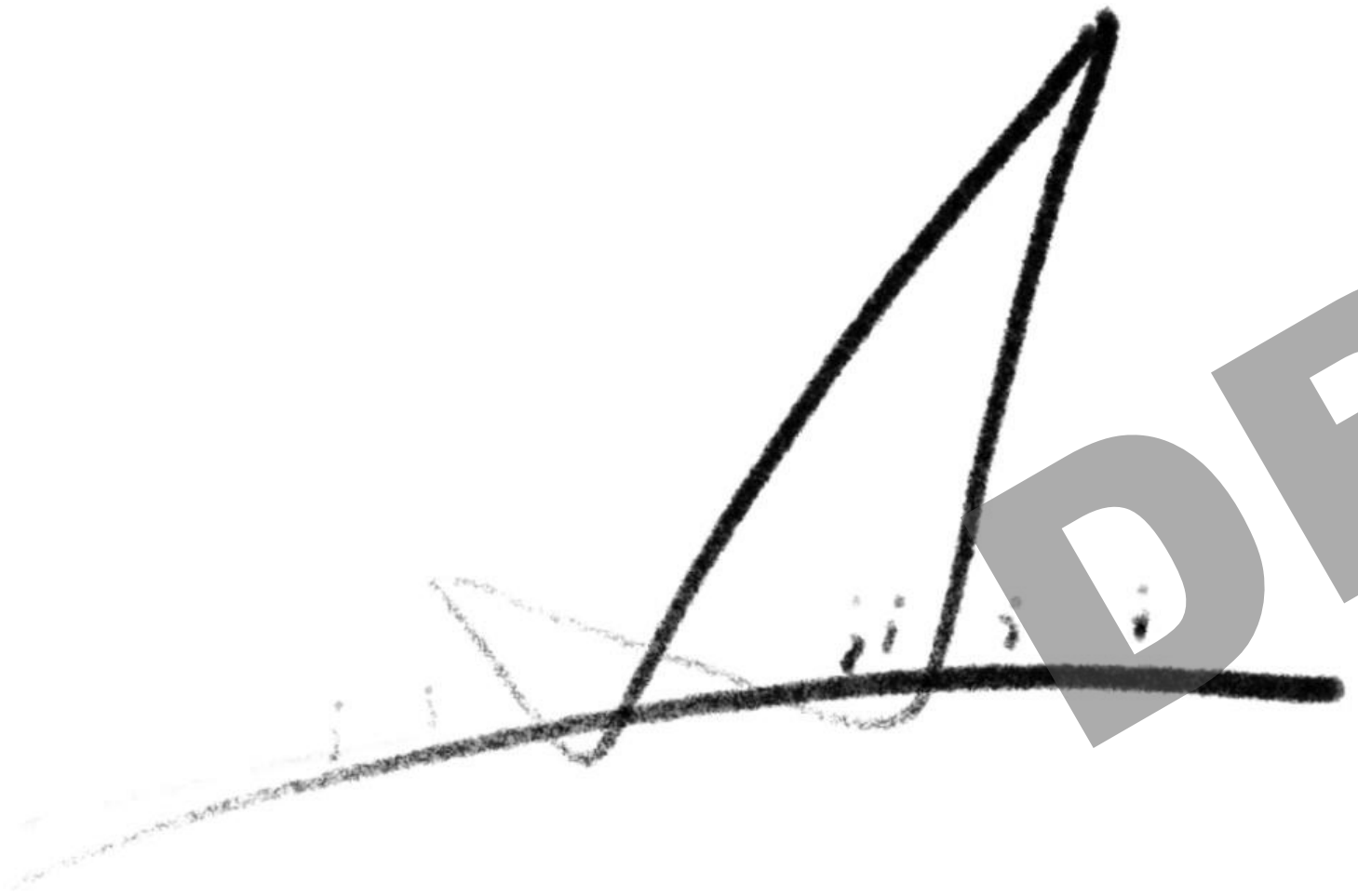


DRAFT

/ Industry.







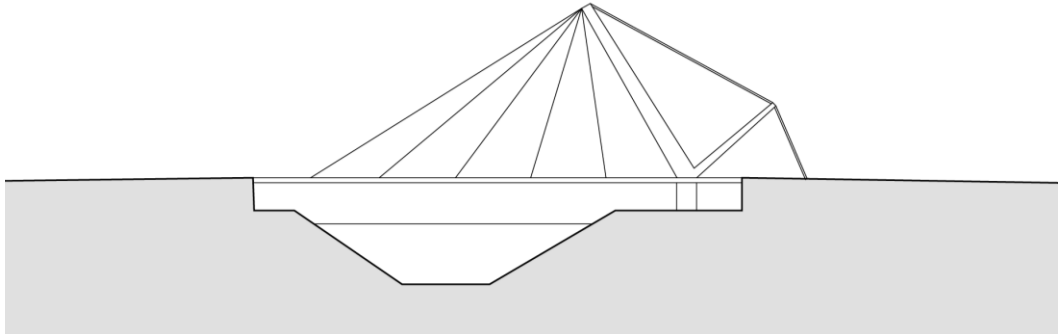
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/ Industry.





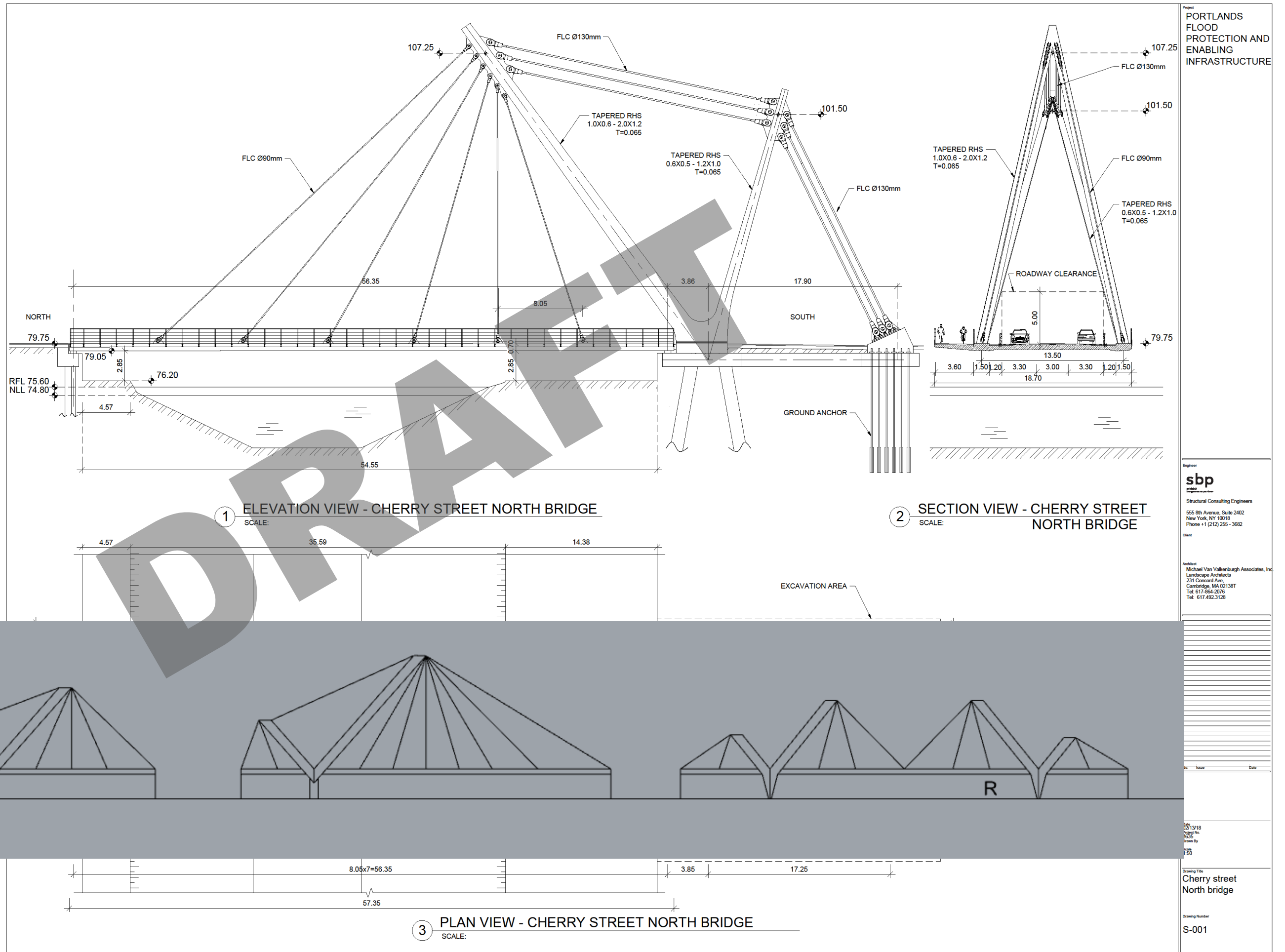
**Architectural Studies**  
Cherry Street North





# Structural Studies

## Cable Stay



Project  
PORTLANDS  
FLOOD  
PROTECTION AND  
ENABLING  
INFRASTRUCTURE

Engineer  
**sbp**  
Structural Consulting Engineers  
555 8th Avenue, Suite 2402  
New York, NY 10018  
Phone +1 (212) 255-3682

Client

Architect  
Michael Van Valkenburgh Associates, Inc.  
Landscape Architects  
231 Concord Ave.  
Cambridge, MA 02138  
Tel: 617-964-2076  
Tel: 617-452-3128

02/13/18  
Drawing No. 635  
Drawn By  
150

Drawing Title  
Cherry street  
North bridge

Drawing Number  
S-001





/ Landscape.



/ Industry.





/Landscape.

RAFT





/Landscape.

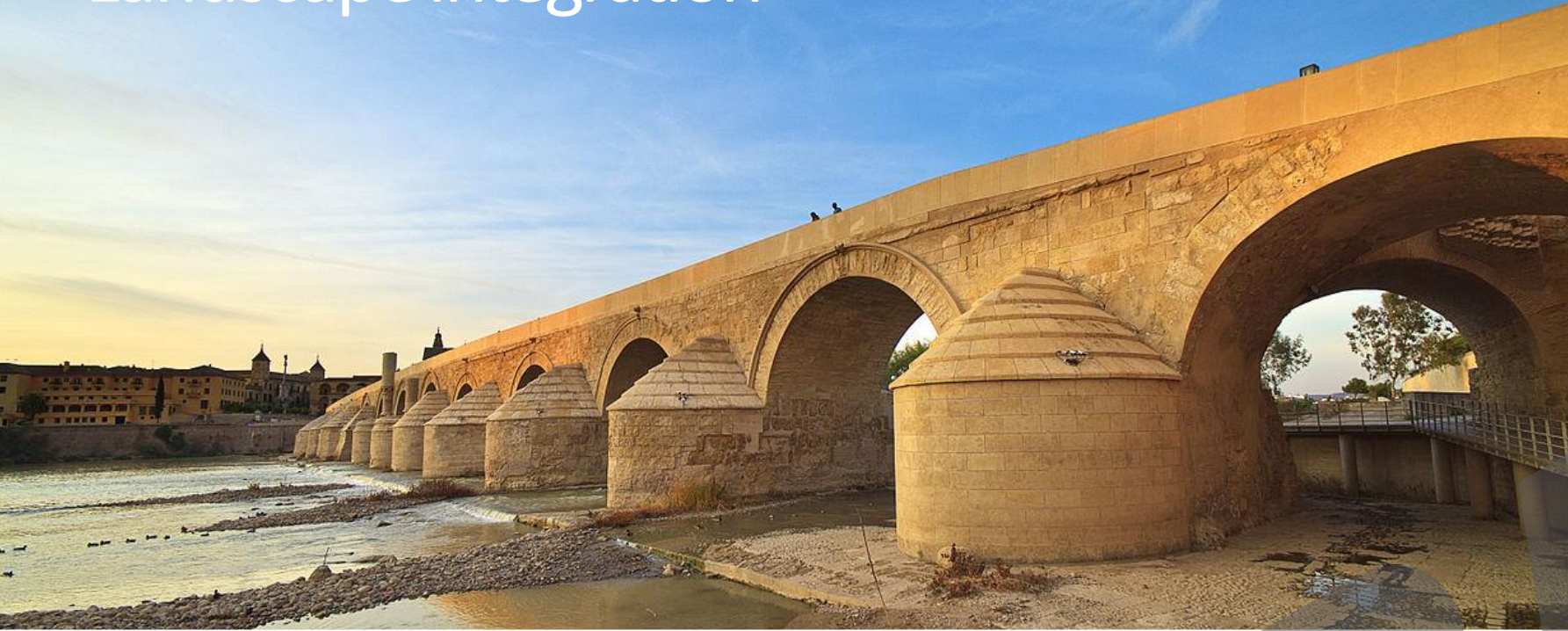
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# Architectural Studies

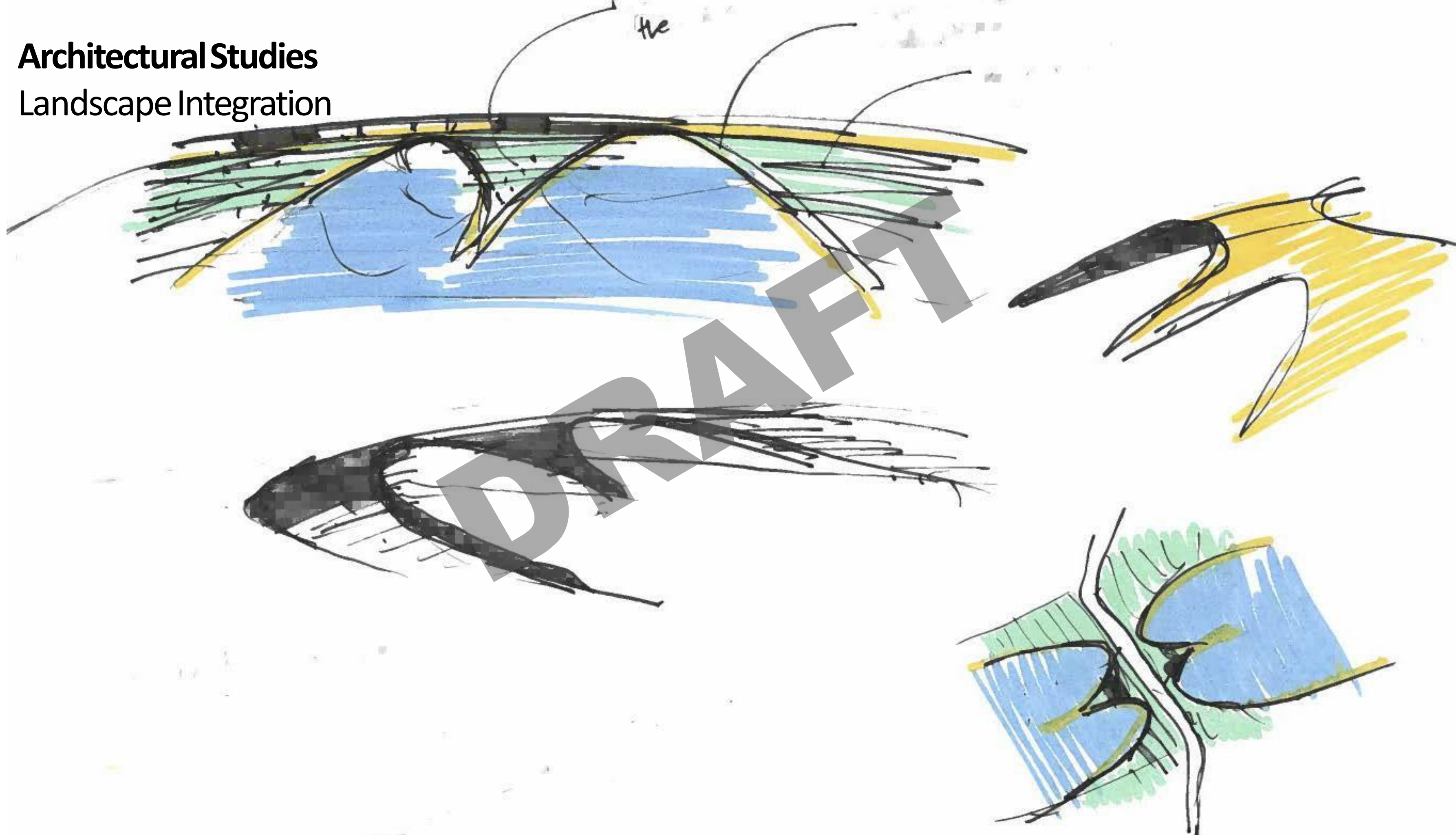
## Landscape Integration





# Architectural Studies

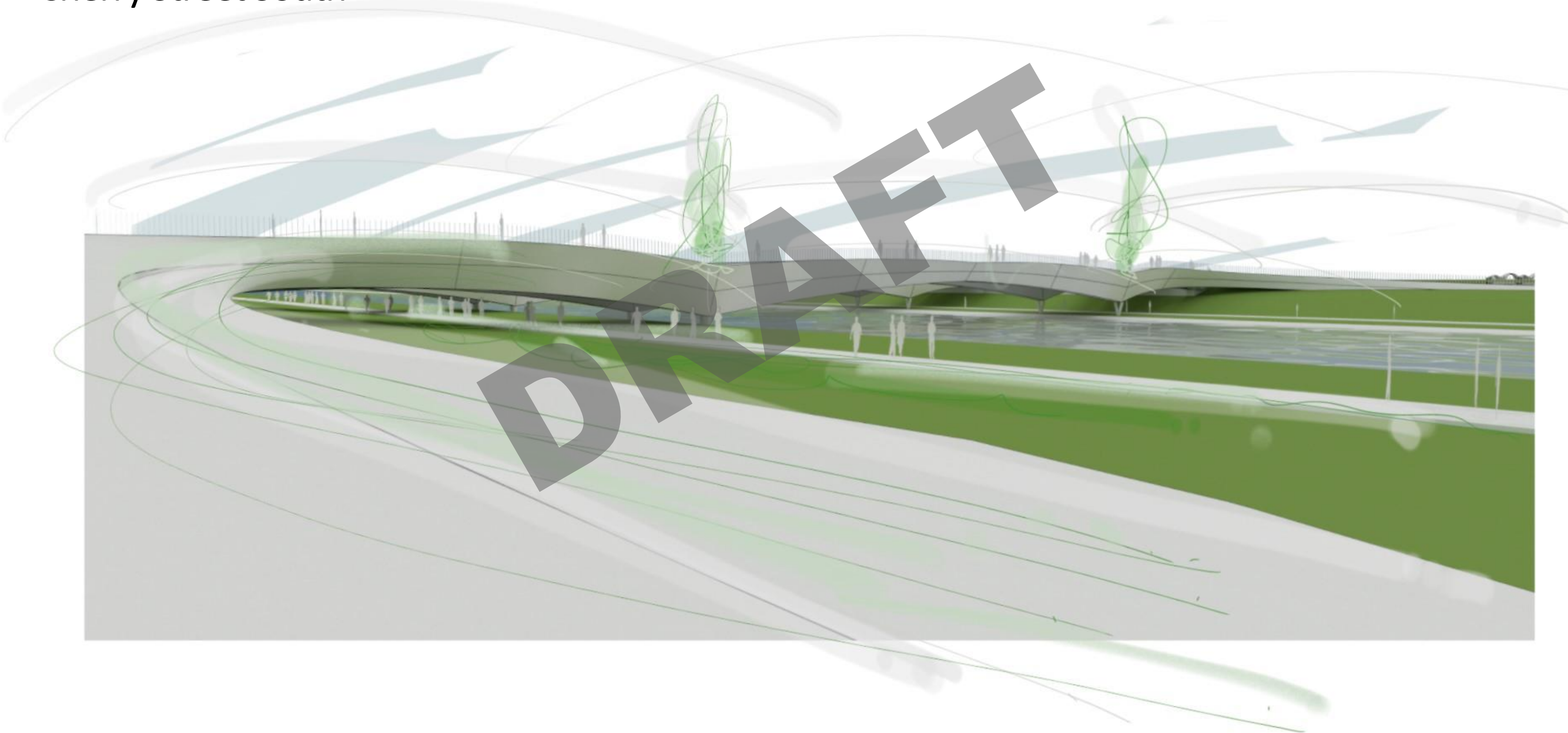
## Landscape Integration





**Architectural Studies**

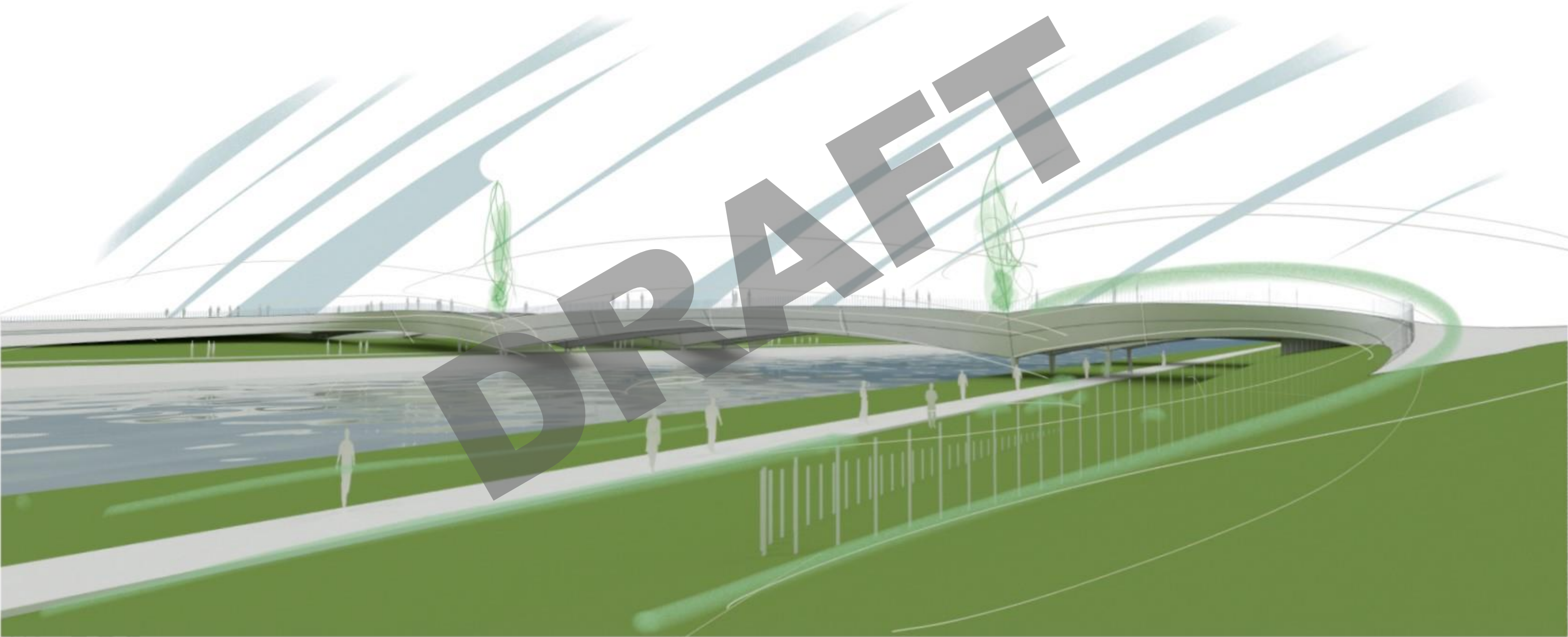
Cherry Street South





**Architectural Studies**

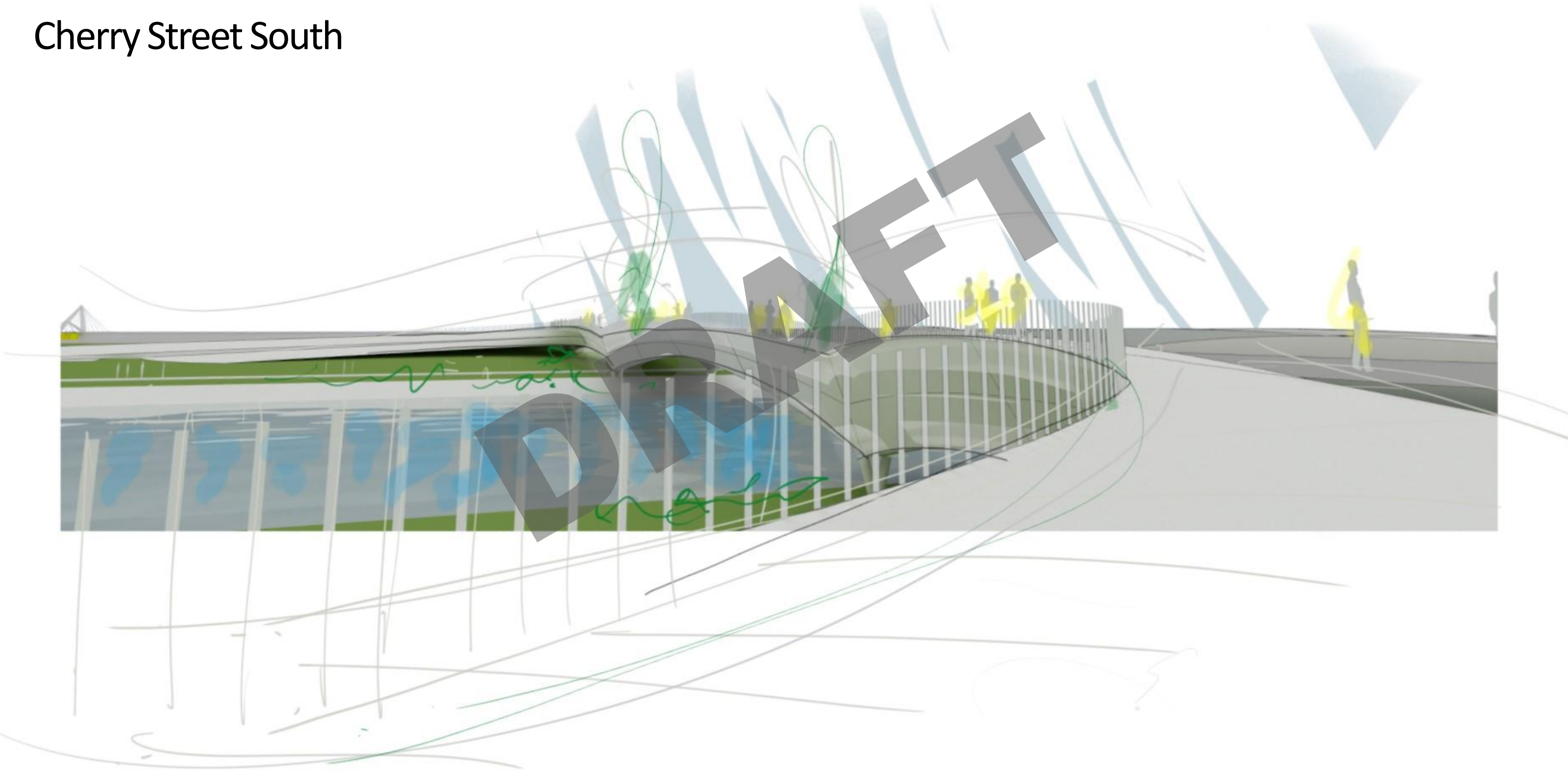
Cherry Street South





# Architectural Studies

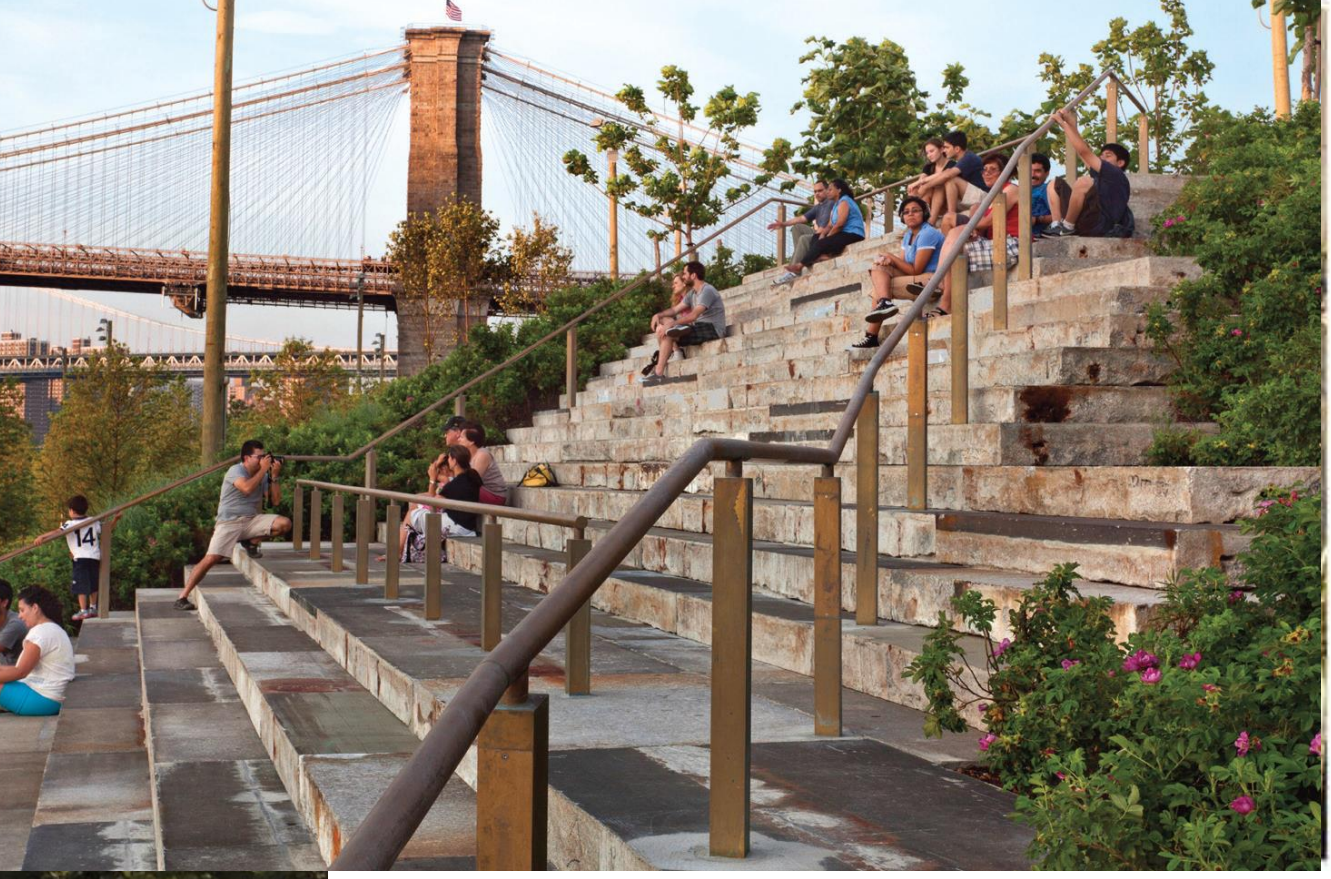
## Cherry Street South





# Architectural Studies

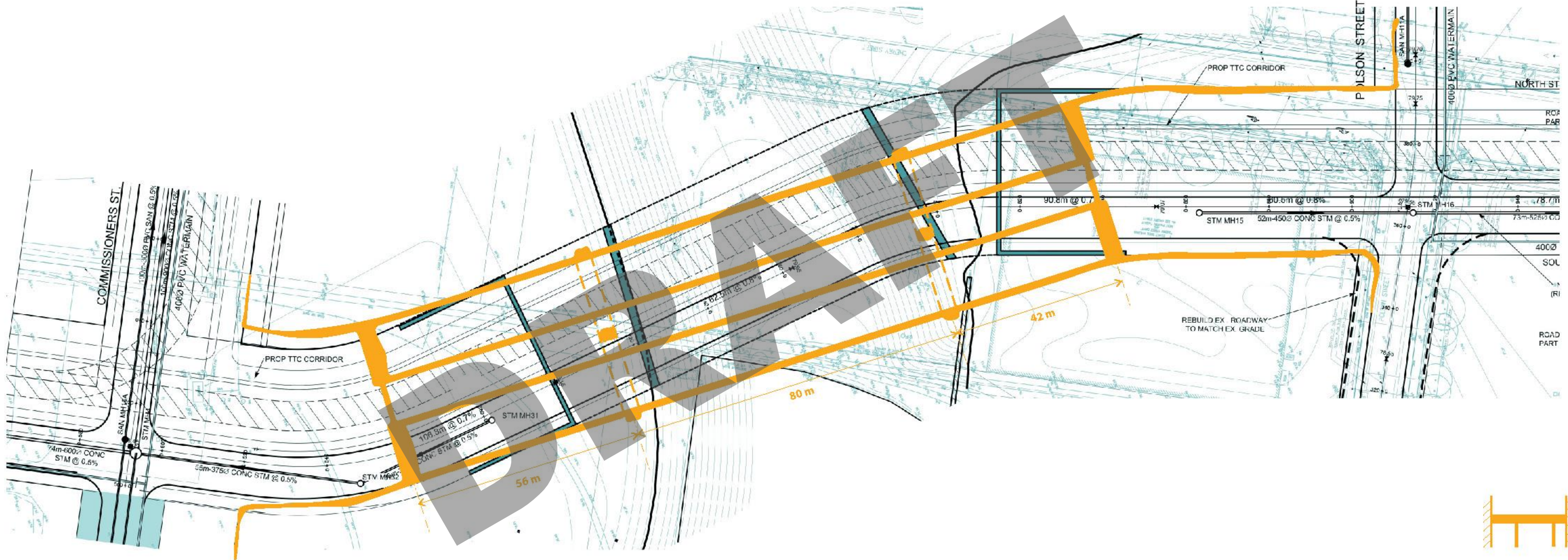
## Landscape Integration





# Architectural Studies

## Cherry Street South



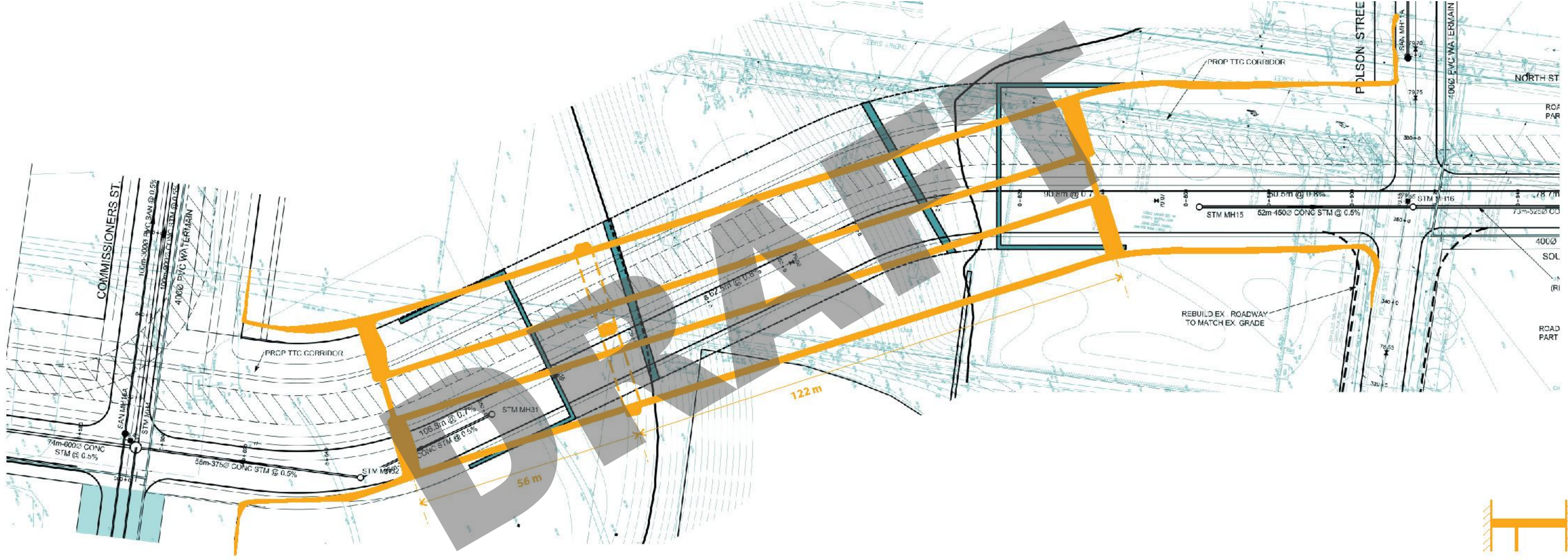
**CHERRY STREET SOUTH** (OPTION 1)

1:1000



# Architectural Studies

## Cherry Street South

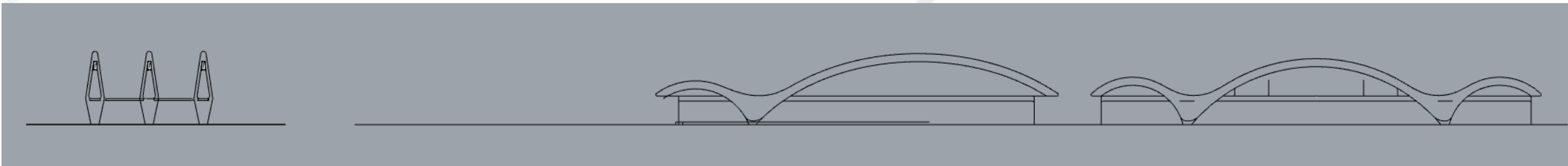


**CHERRY STREET SOUTH (OPTION 2)**

1:1000



**Architectural Studies**  
Commissioner Street





# Architectural Studies

## Lookouts





# Architectural Studies

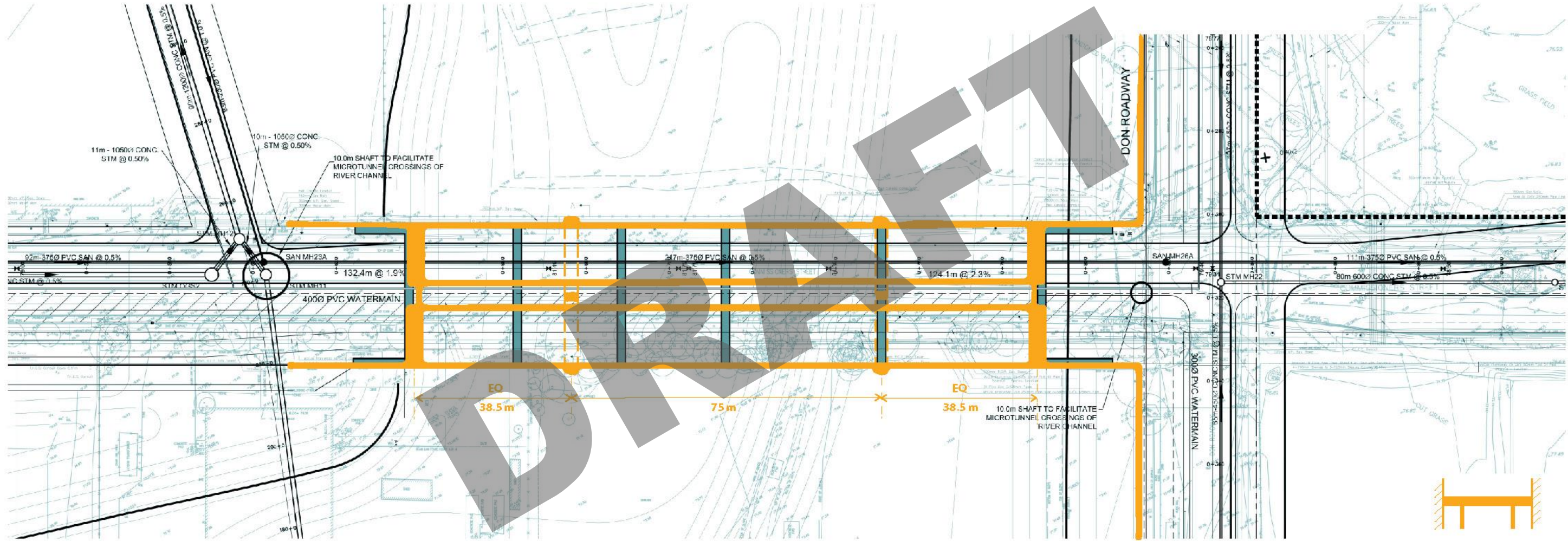
## Lookouts





# Architectural Studies

## Commissioner Street



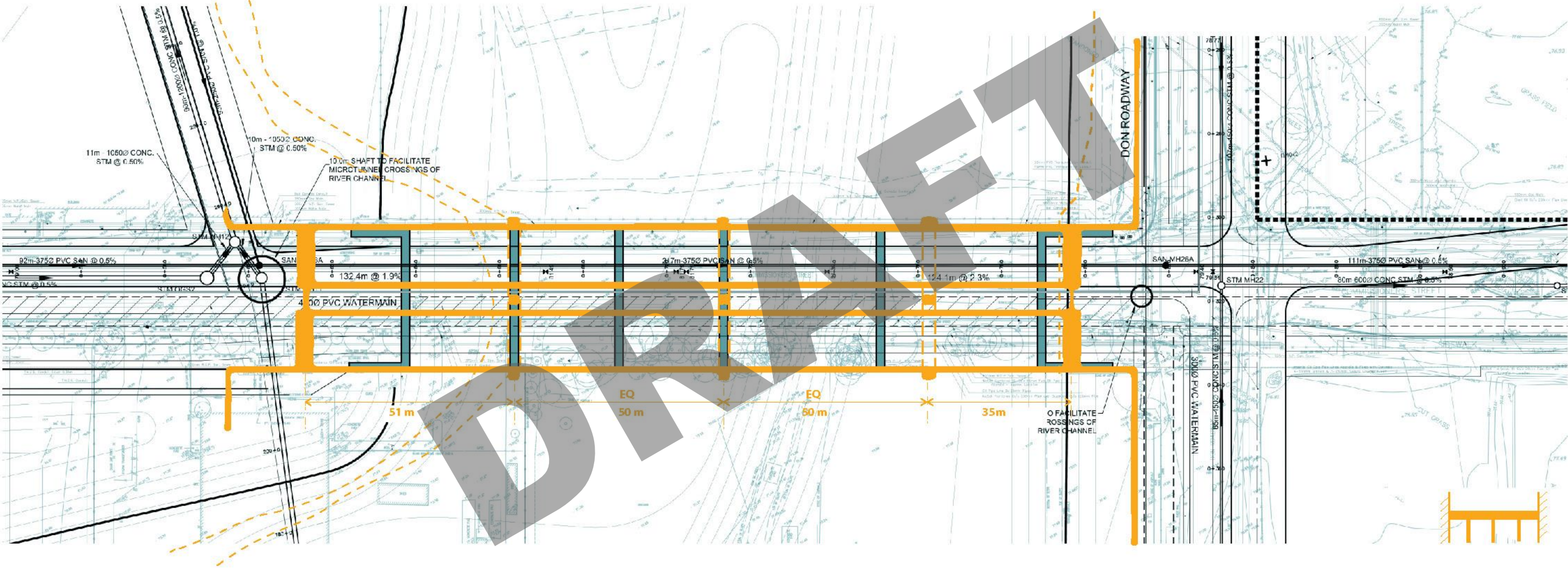
COMMISSIONERS ST (OPTION 1)

1:1000



# Architectural Studies

## Commissioner Street



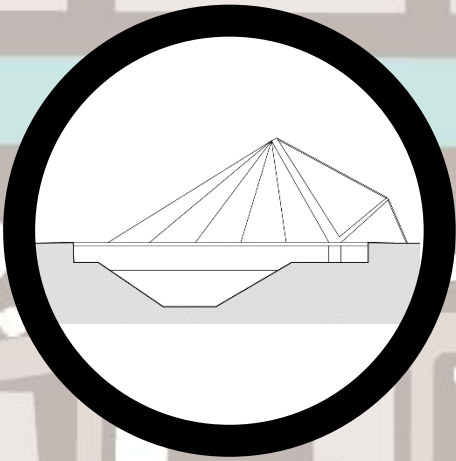
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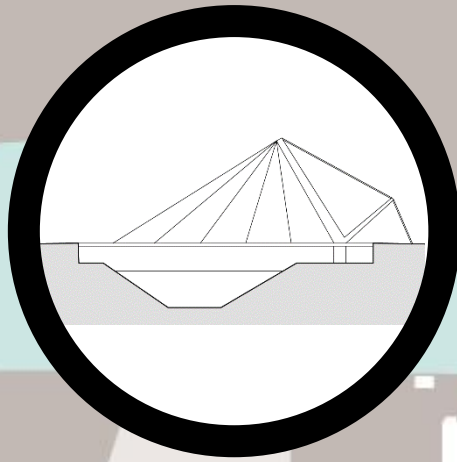


**Architectural Studies**

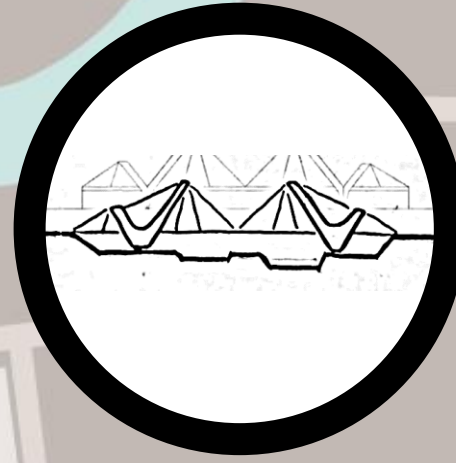
**Family Studies**



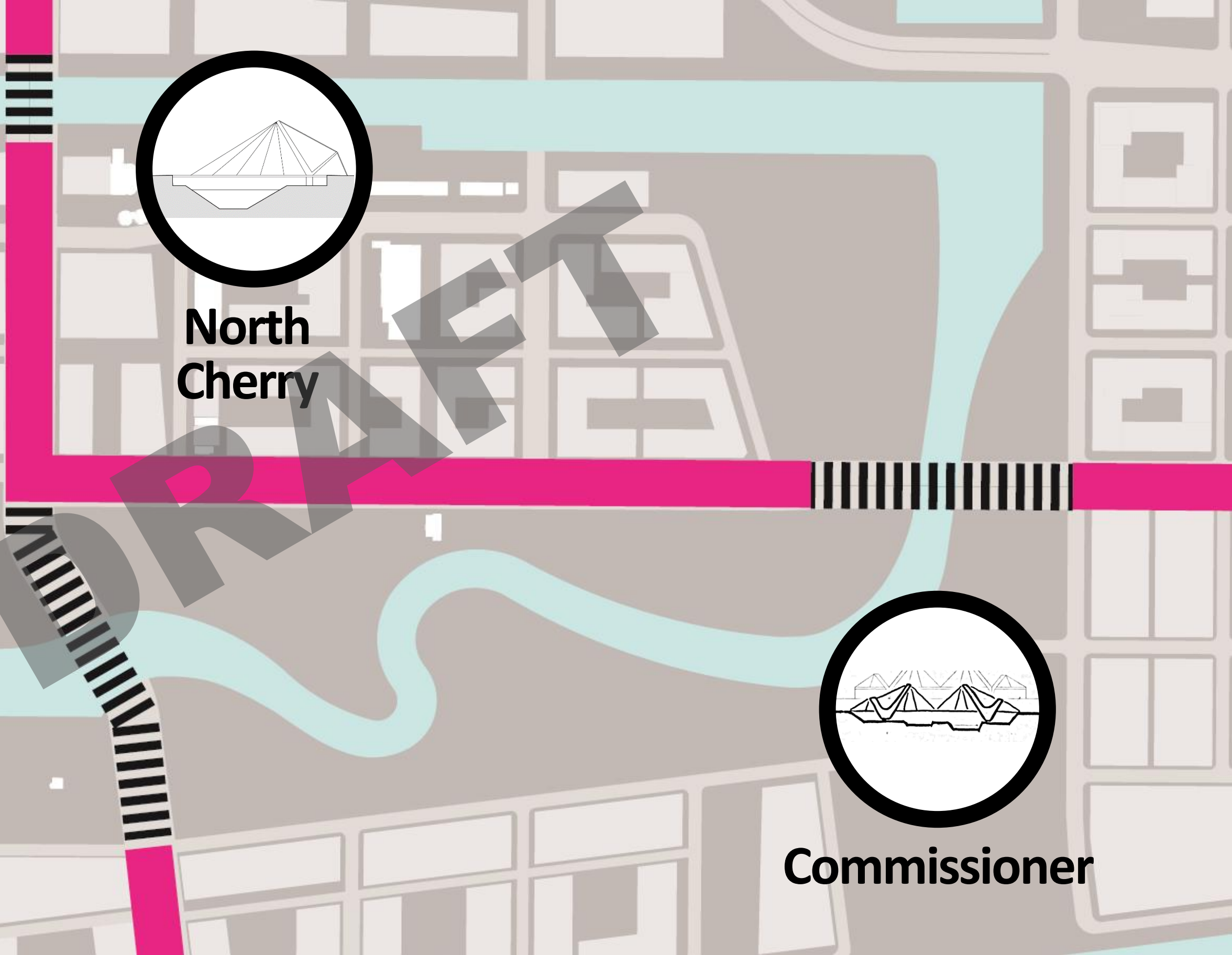
**North  
Cherry**



**South  
Cherry**



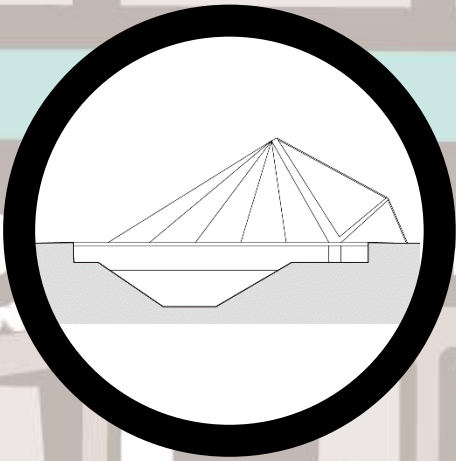
**Commissioner**



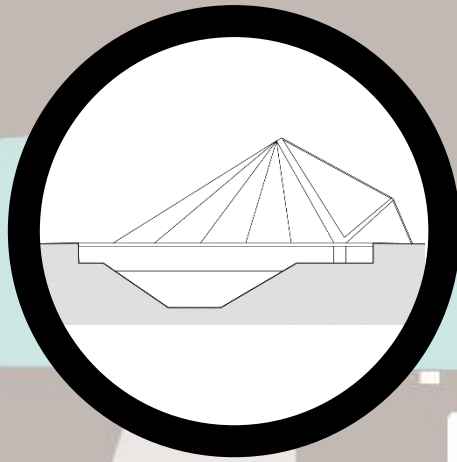


**Architectural Studies**

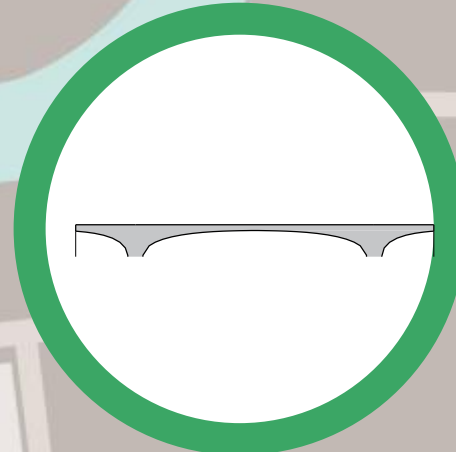
**Family Studies**



**North  
Cherry**



**South  
Cherry**



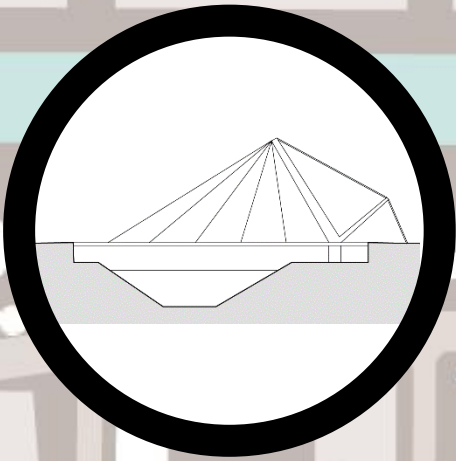
**Commissioner**

**DRAFT**

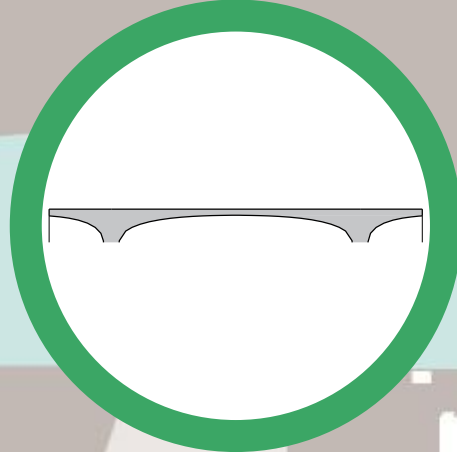


**Architectural Studies**

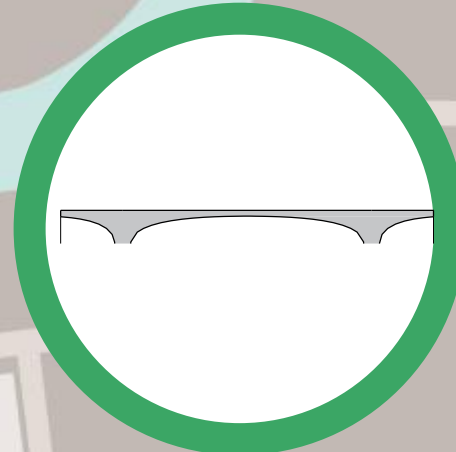
**Family Studies**



**North  
Cherry**



**South  
Cherry**



**Commissioner**

**DRAFT**



# Architectural Studies

## Family Studies

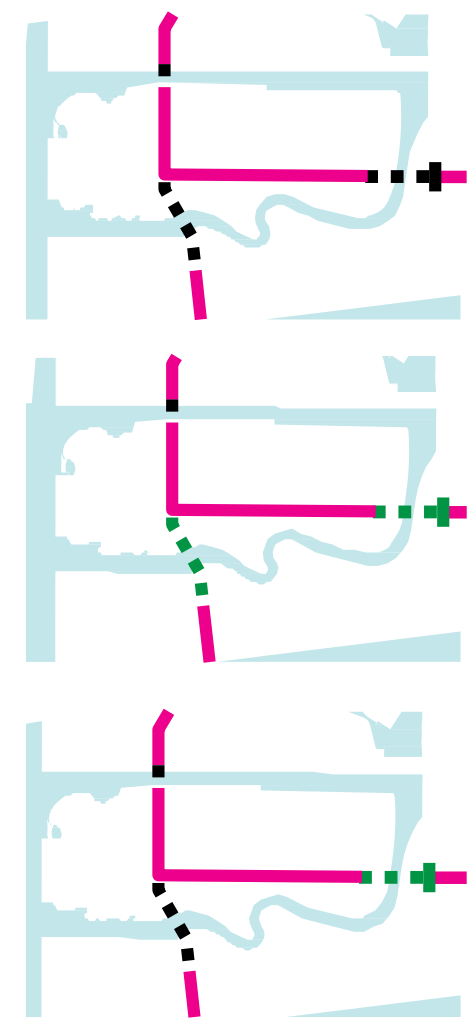
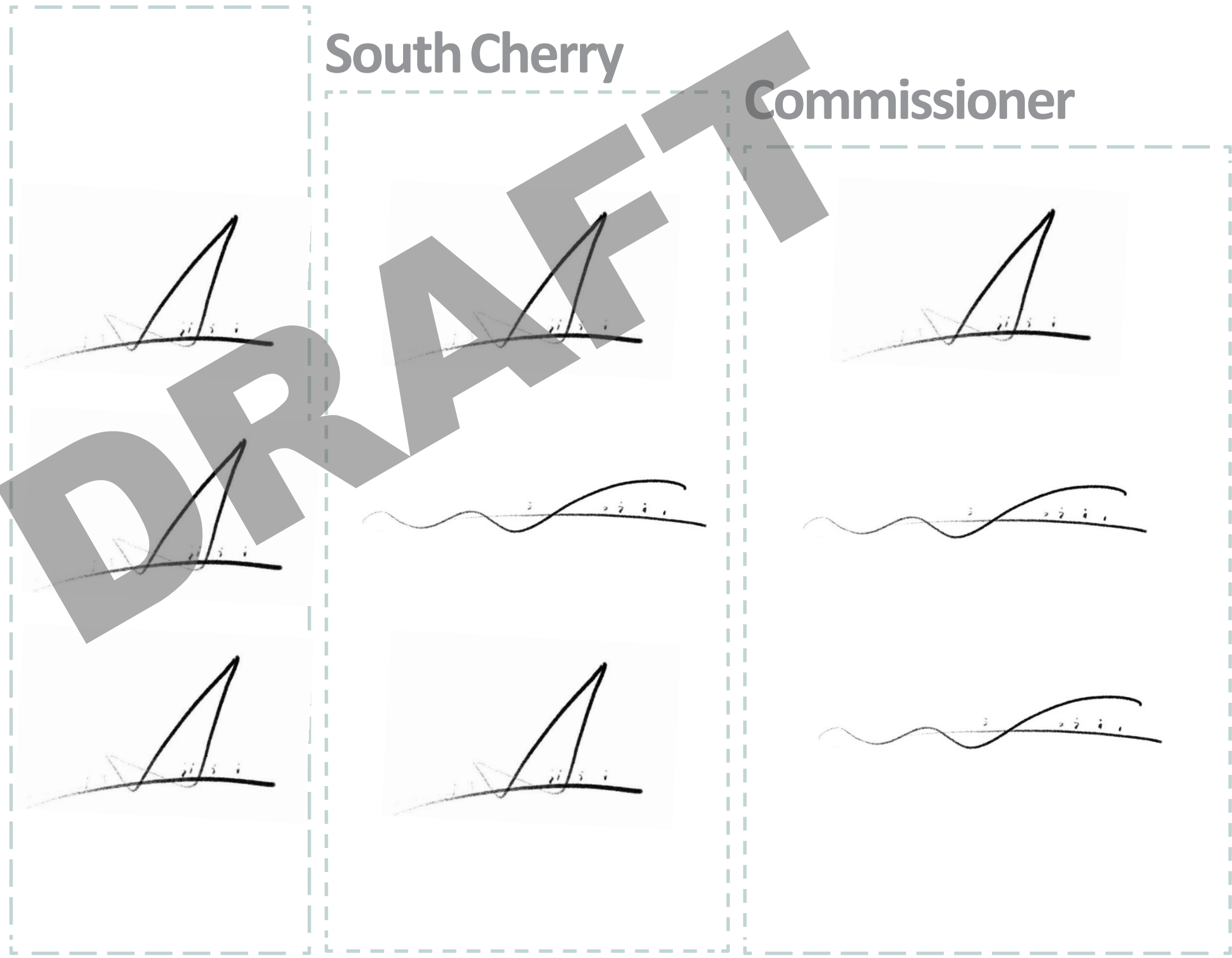
Iconic Height

Contextual

Cherry St

South Cherry

Commissioner



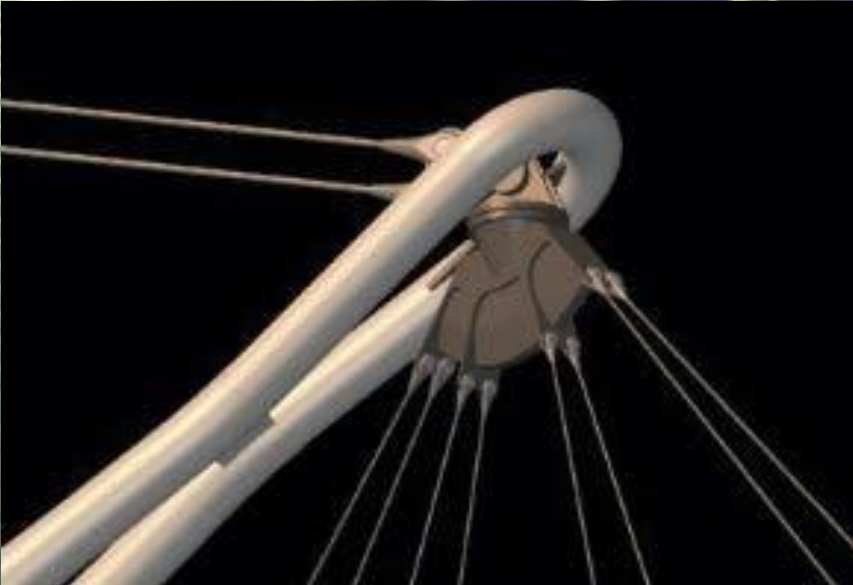


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Architectural Precedents  
Make it Special!











DRAFT

Thank  
You—