



**WELCOME!**

## Heavy Civil GC/CM Pre-Solicitation Meeting

**Sign In: Please type your Name, Company & Email into the chat**

**Technical difficulties?**

Please chat directly with Shaina Thompson

**August 19, 2024**

# Land Acknowledgement

DES acknowledges the Indigenous people who have stewarded the land surrounding the project area since time immemorial and who still inhabit the area today, the Steh-Chass Band of Indigenous people of the Squaxin Island Tribe.

The Squaxin Island Tribe is a key partner to DES in the Deschutes Estuary Restoration Project.

# Meeting Purpose

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1. Generate awareness and interest in contractor community before RFQ/RFP issuance
2. Provide an overview of project scope and schedule
3. Describe the Heavy Civil GC/CM procurement process and expectations
4. Stimulate your advance teaming discussions

**Sign In: Please type your Name, Company & Email into the chat**

# Agenda

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- ✦ Welcome
- ✦ Project Overview
- ✦ Construction Scope Overview
- ✦ Design and Construction Schedule
- ✦ Heavy Civil GC/CM Procurement per RCW 39.10
- ✦ Q&A
- ✦ Adjourn (12:00)

# Logistics

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- ✦ Webinar format – all participants are muted
- ✦ Technical support contact Shaina Thompson through the Zoom chat
- ✦ Please type your name, company name & email into the Zoom chat – we will use for future notifications in addition to public postings, and we will distribute the list of today's attendees
- ✦ We will post today's presentation on DES webpage
- ✦ Please type questions into the Zoom chat throughout the meeting – we will compile and address during Q&A
- ✦ We will not be answering additional questions prior to the RFQ/RFP issuance

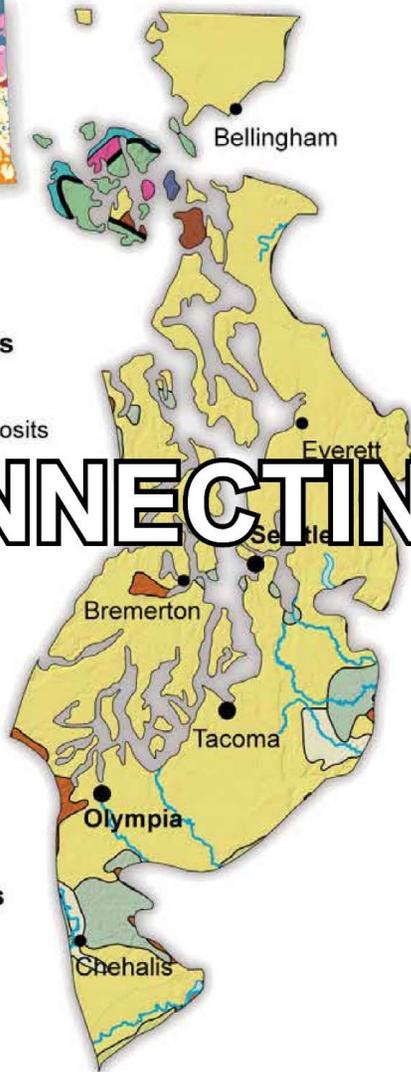
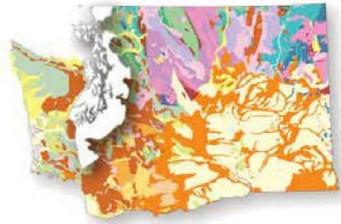
# Project Overview





# RESTORING THE DESCHUTES ESTUARY





**Unconsolidated deposits**

- Quaternary sediment
- Quaternary glacial deposits

**Sedimentary Rocks**

- Lower Tertiary
- Mesozoic
- Paleozoic

**Volcanic Rocks**

- Lower Tertiary

**Intrusive Igneous Rocks**

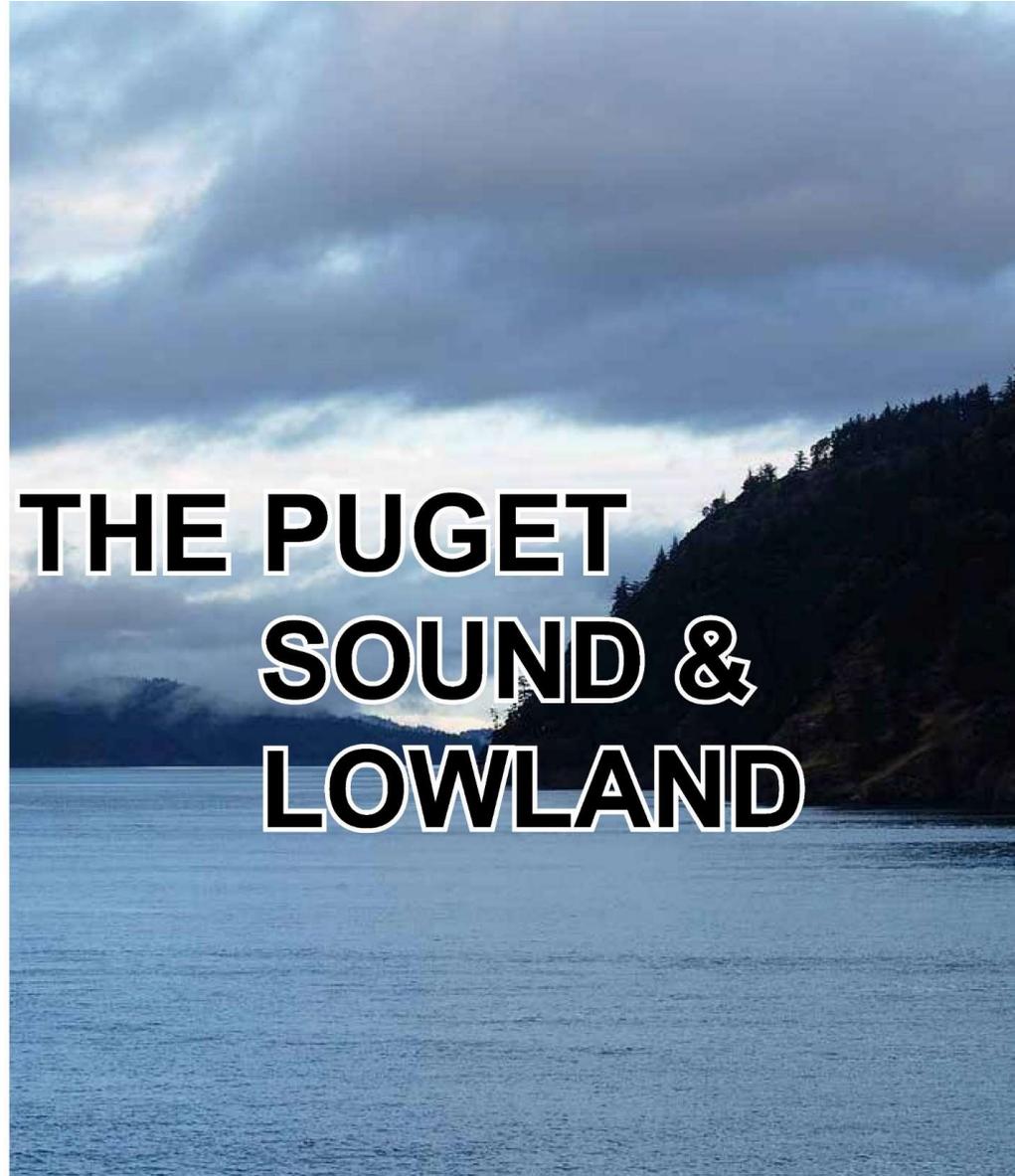
- Paleozoic

**Metamorphic Rocks**

- Ultramafic rocks

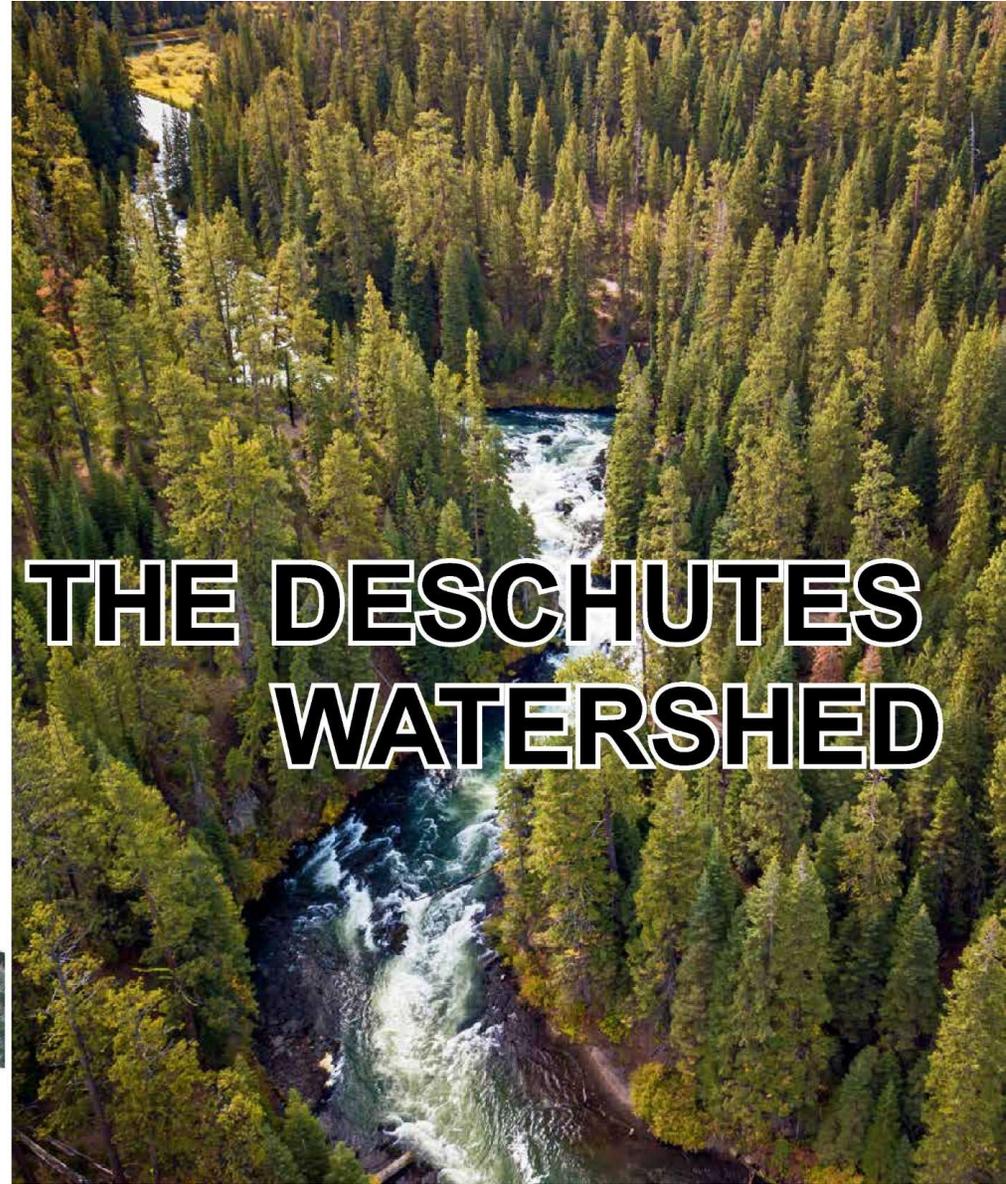
CONNECTING

THE PUGET  
SOUND &  
LOWLAND





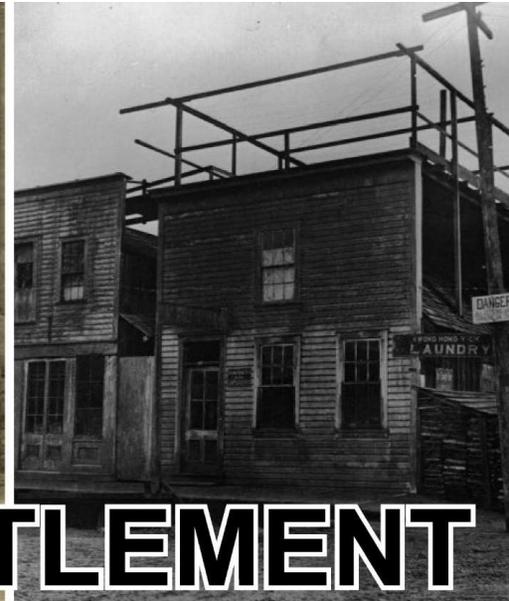
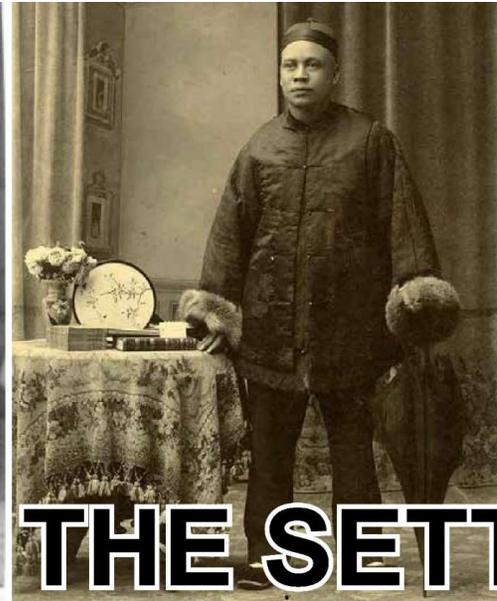
**ENHANCING THE DESCHUTES WATERSHED**





**PARTNERING WITH THE SQUAXIN ISLAND TRIBE**

with  
520 MRM SPRER,  
ALANDE WRS



# RECOGNIZING THE SETTLEMENT COMMUNITY





1937

1941-07-10

1948

**PRESERVING**

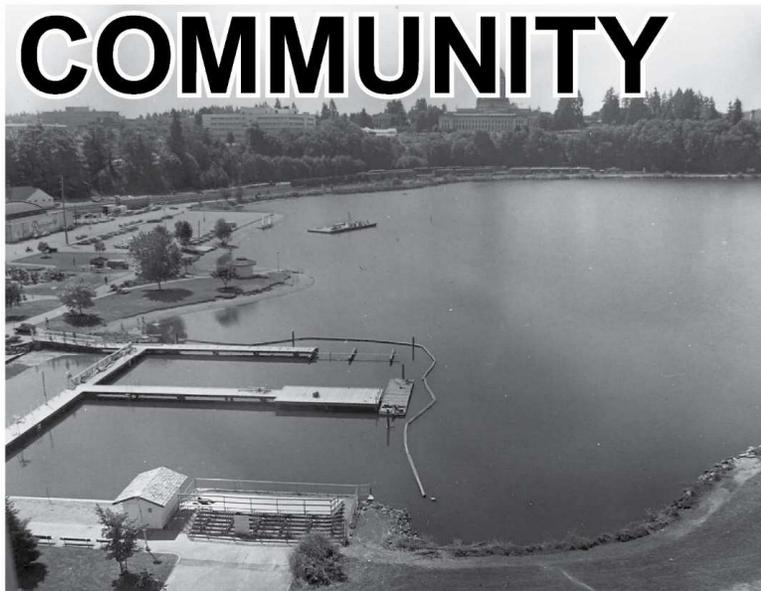


**THE MARITIME  
HISTORY**





# ENGAGING THE CIVIC COMMUNITY

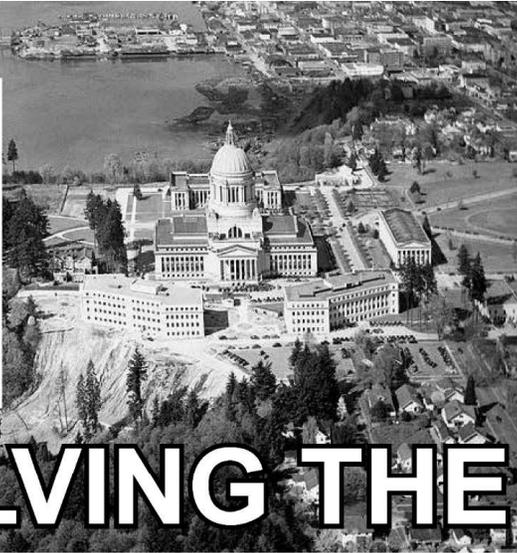


**1893**

**1911**

**1912**

**EVOLVING THE**



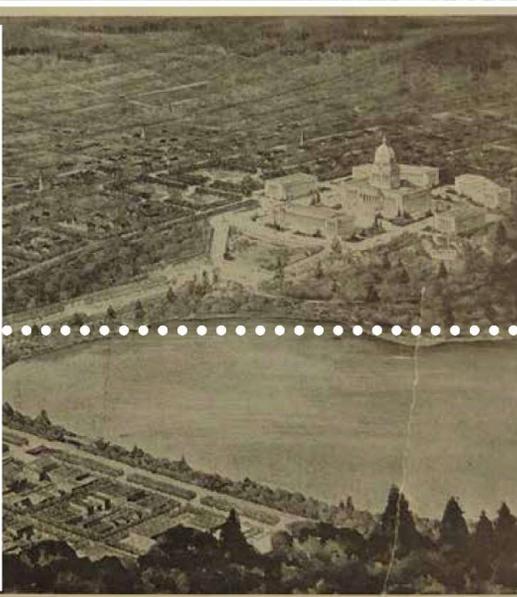
**1967**

**1976**

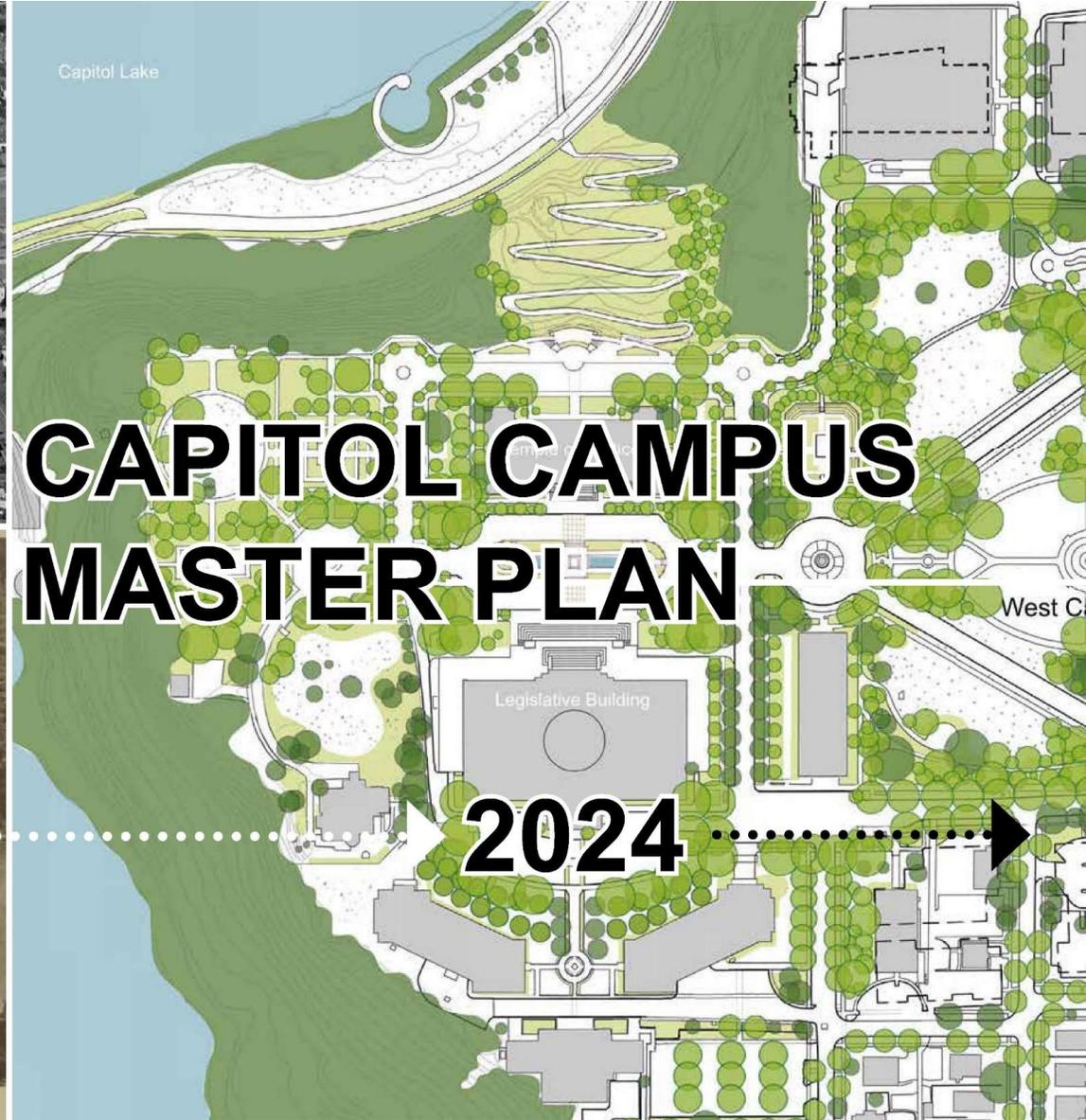
**1986**

**1991**

**1994**

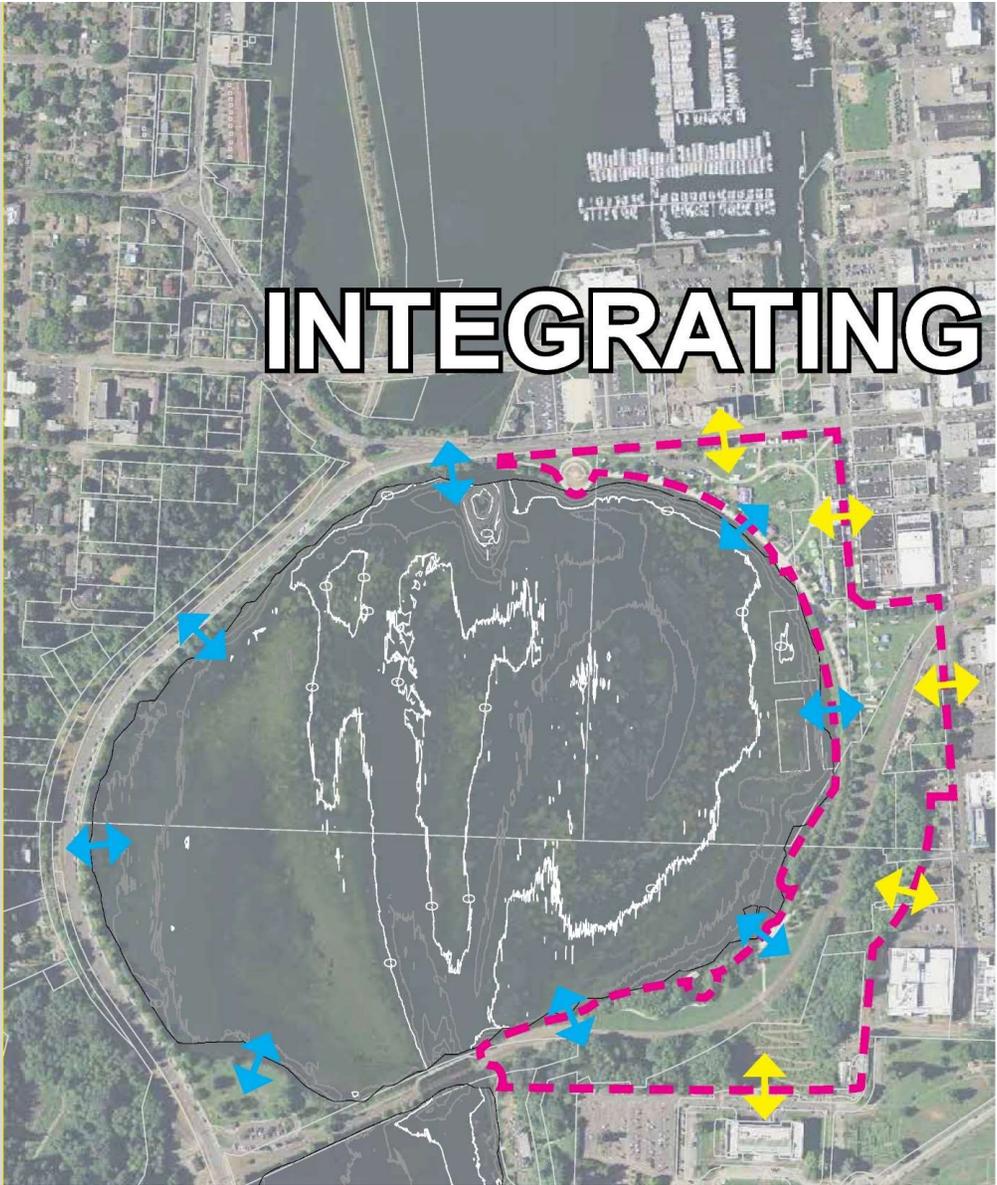


BIRD'S-EYE VIEW



**CAPITOL CAMPUS  
MASTER PLAN**

**2024**



**INTEGRATING**

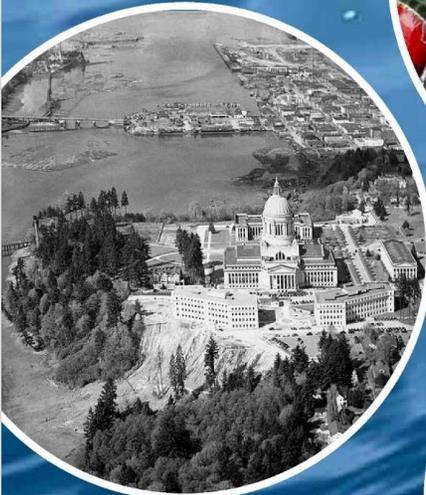


**HERITAGE PARK**

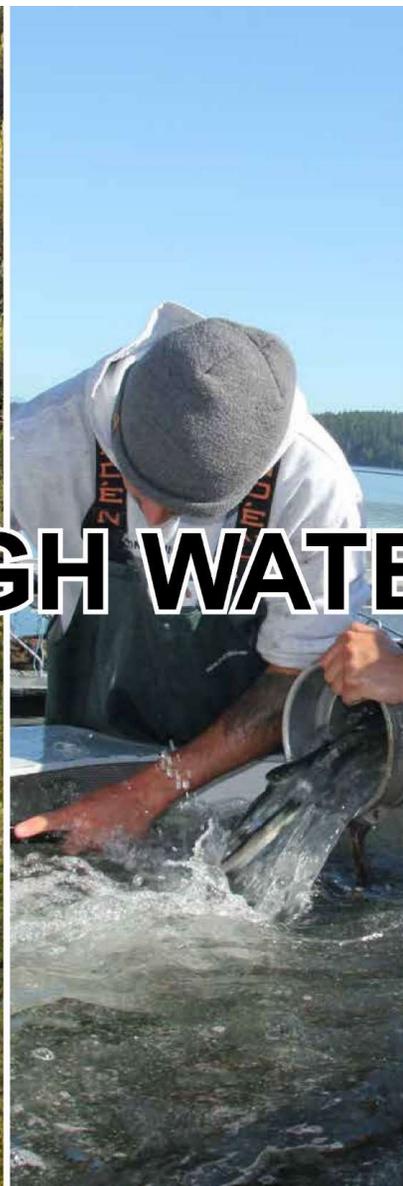
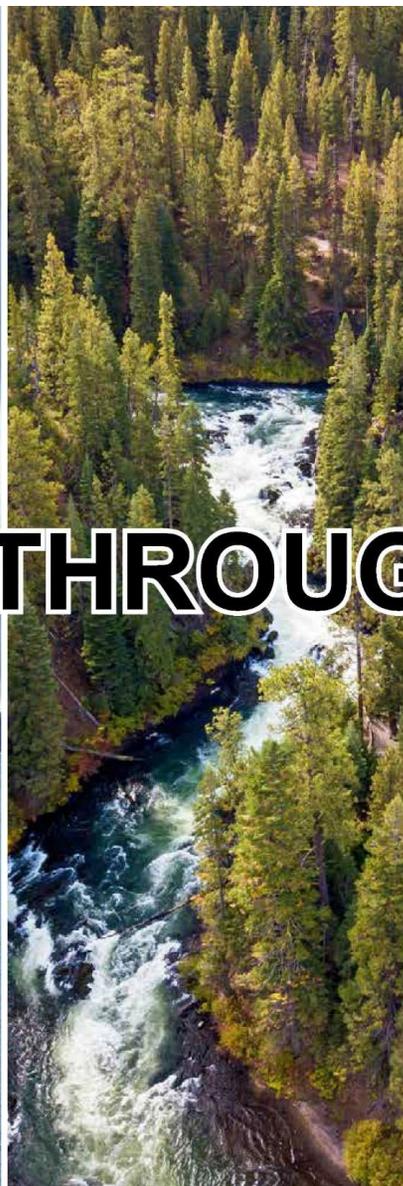




# RESTORING THE ESTUARY



# UNIFIED THROUGH WATER





# EARLY PROJECT CONCEPT



# **NORTH BASIN CONCEPTUAL RENDERING**

## **Existing Conditions**



# NORTH BASIN CONCEPTUAL RENDERING

## Mean Sea Level



# **NORTH BASIN CONCEPTUAL RENDERING**

## **Mean Lower Low Water**



# 5<sup>TH</sup> AVENUE BRIDGE CONCEPTUAL RENDERING

Aerial view from southwest



# **MIDDLE BASIN CONCEPTUAL RENDERING**

## **Existing Conditions**



# MIDDLE BASIN CONCEPTUAL RENDERING

## Mean Sea Level

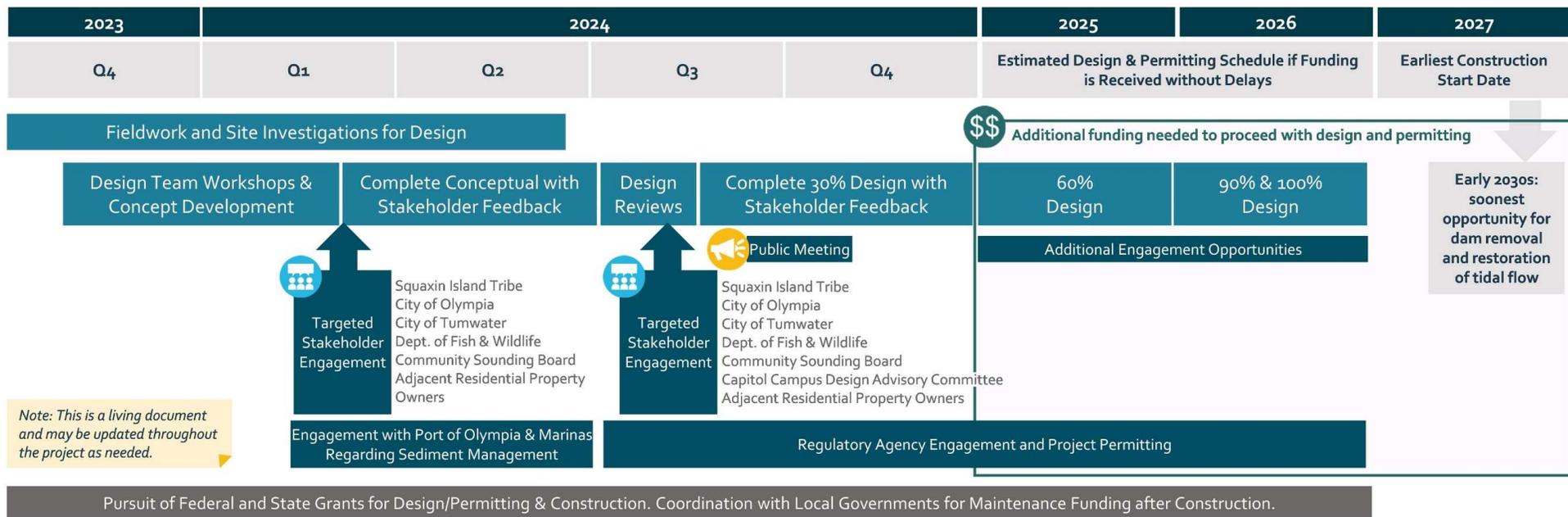


# MIDDLE BASIN CONCEPTUAL RENDERING

## Mean Lower Low Water



# Current Design Schedule & Key Milestones



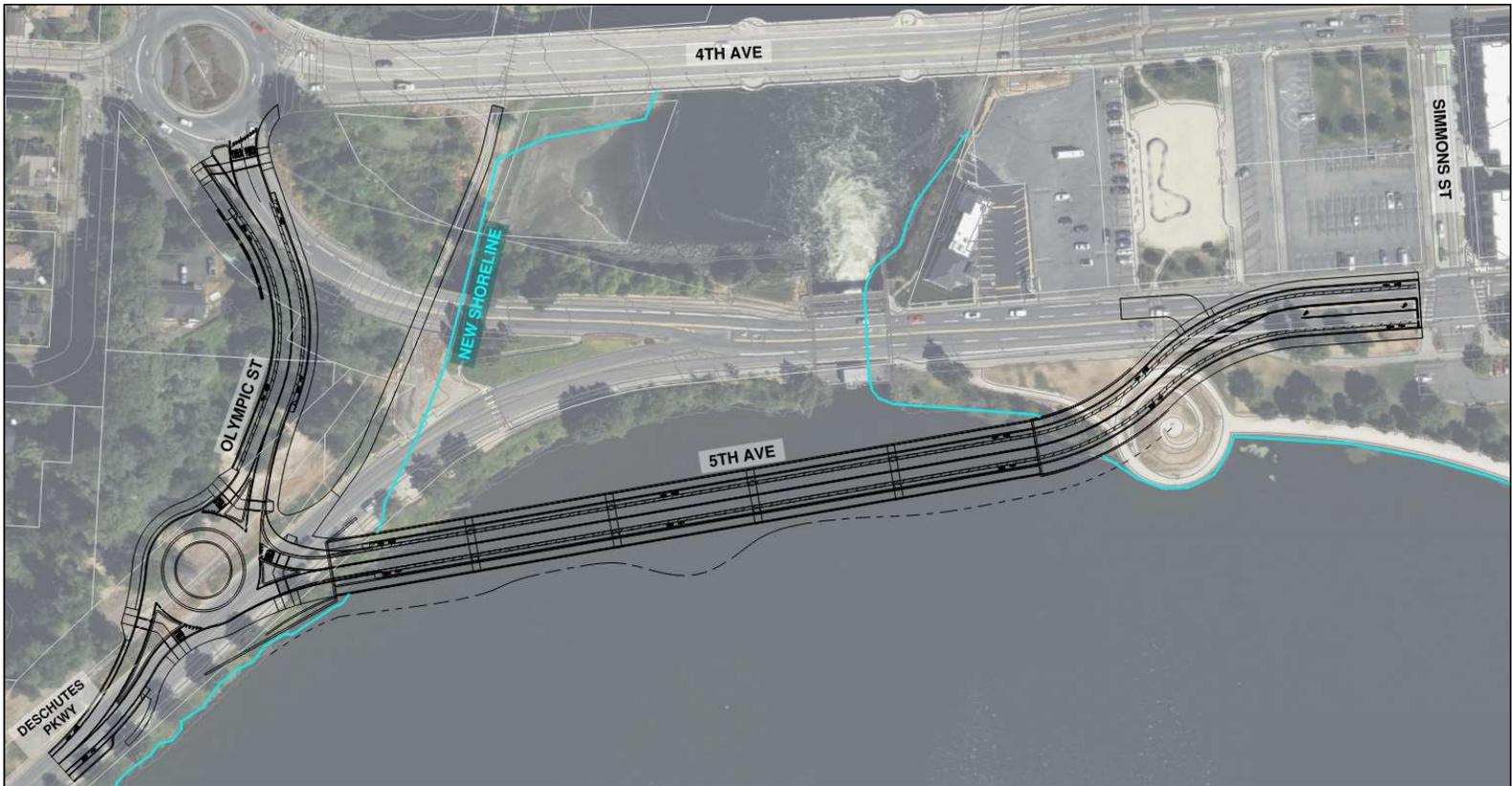
Background Information at: [www.deschutesestuaryproject.org](http://www.deschutesestuaryproject.org)



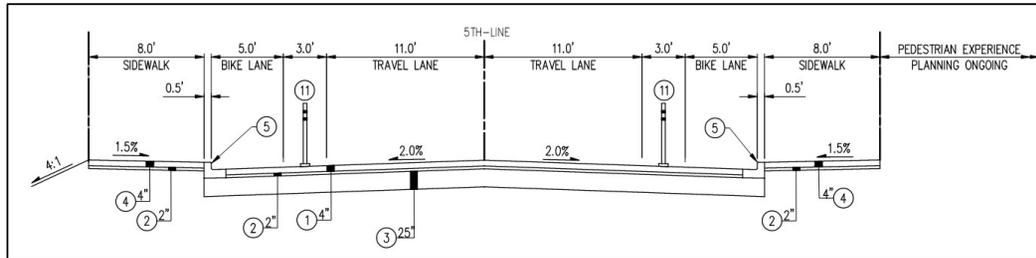
# Construction Scope Overview



# New Roadway Overview



# Typical Section & Roundabout



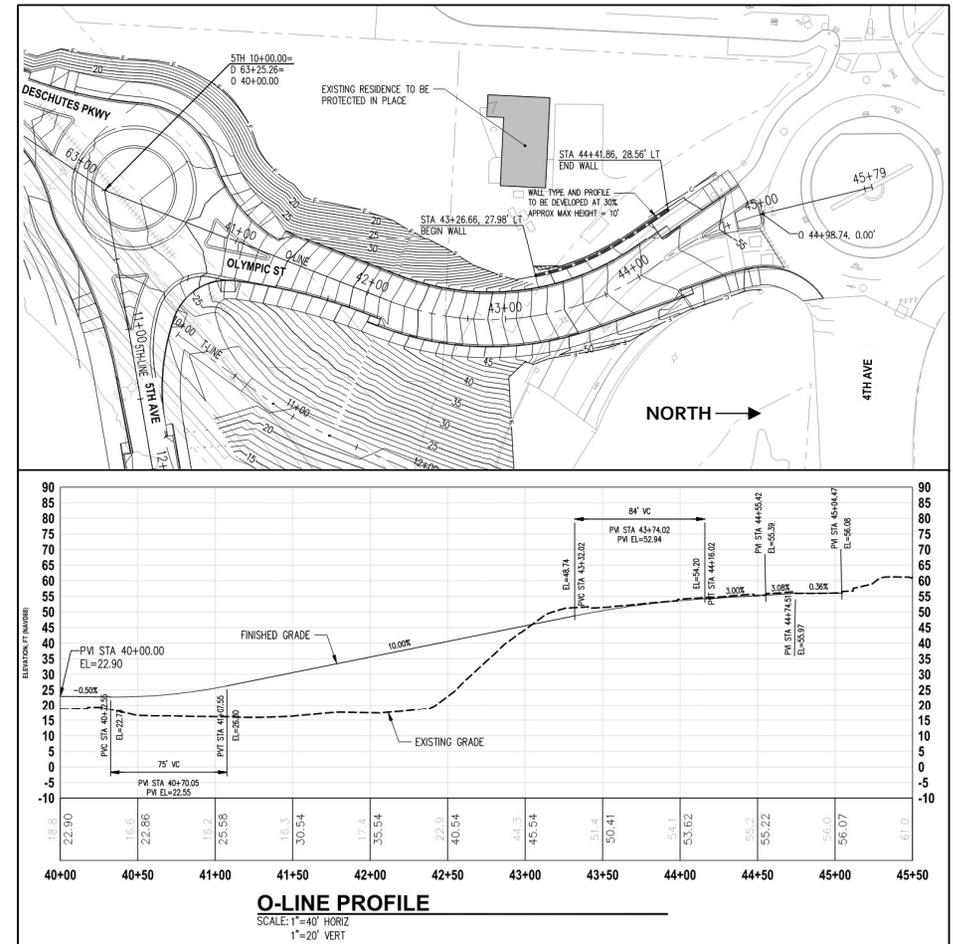
- 1,400 TN HMA
- 8,000 TN Ballast
- 2,200 SY Sidewalk
- 2,500 LF Curbing (plus bike buffer curbing)



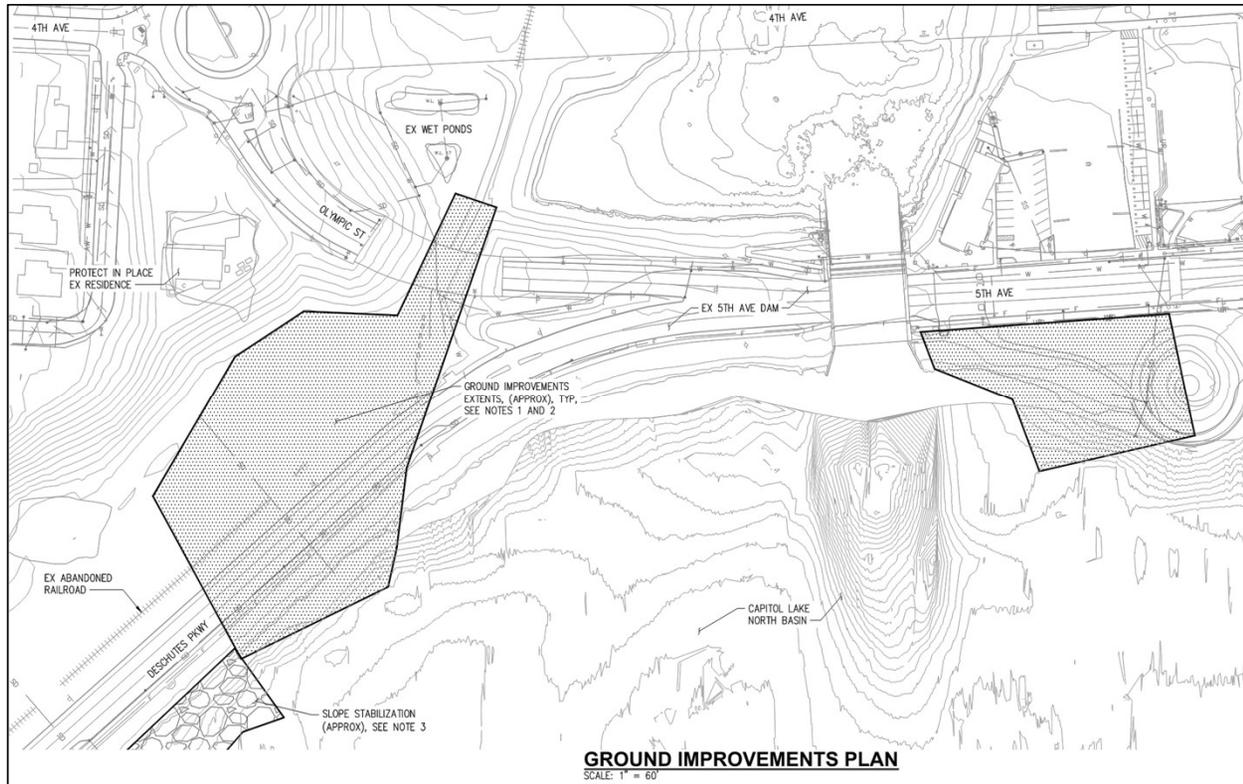
- Constructed on approx 4+ feet of fill
- 120' Diameter
- 12' Shared Use Trails
- Stamped/Colored Concrete Truck Aprons
- Flashing Beacons at Crosswalks
- Art / Landscape in central island
- Roadway and pedestrian lighting throughout

# Olympic St Hill Climb

- 10% max slope
- 24,000 cy fill
- 115' cut wall, up to 10' height
- Tree removal
- Property acquisition from up to 6 parcels



# Ground Improvements



Methods may include:

- Deep soil mixing (30% Area Replacement)
- Stone columns

Slope stabilization: Quarry spalls placed @ 6H:1V

# Bridges & Transportation Structures

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## ✦ 5<sup>th</sup> Avenue Bridge

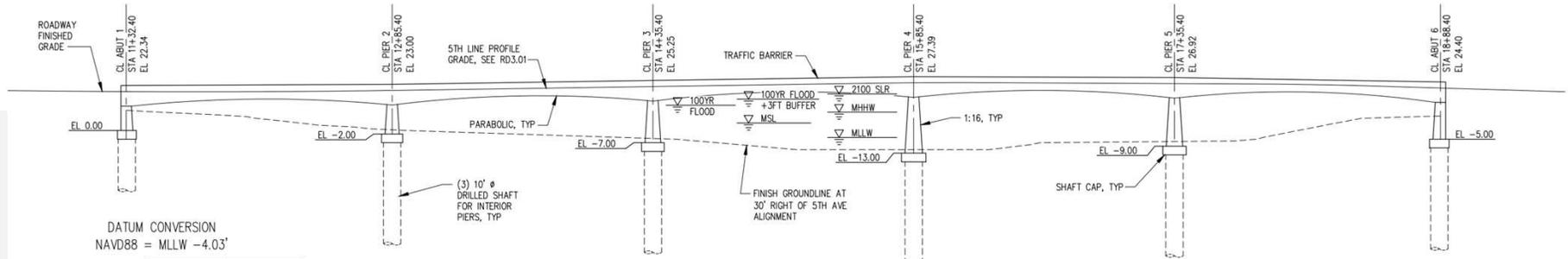
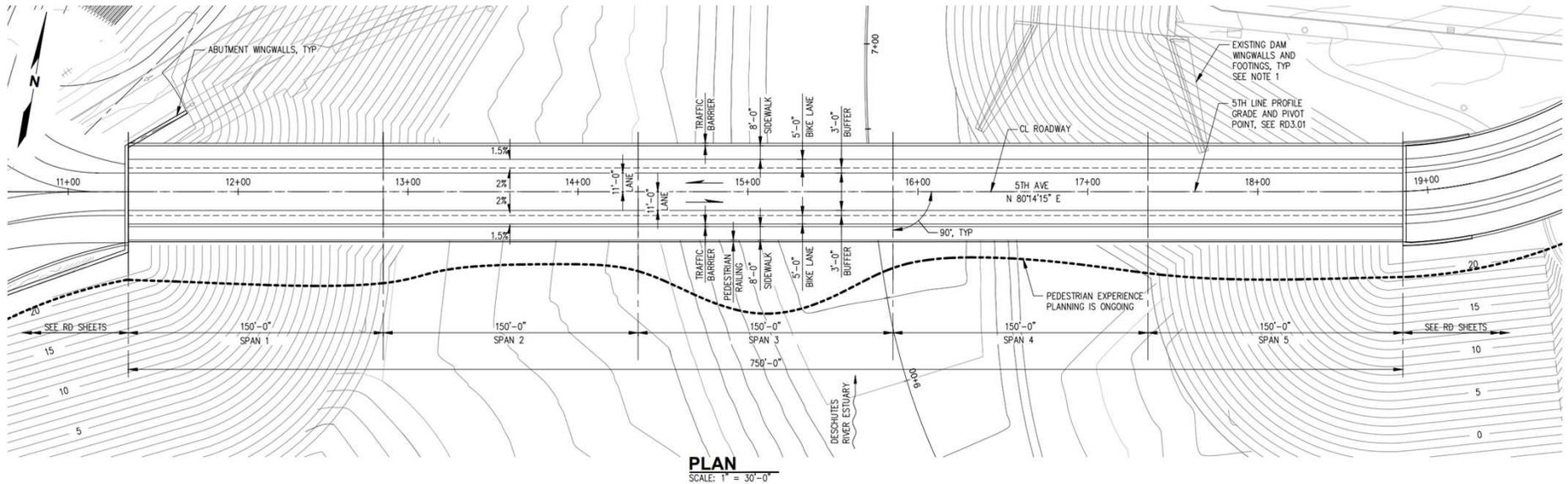
- 5 Span, 750-foot long Concrete PT Box Girder
- Drilled Shaft Foundations
- Architectural Components

## ✦ Percival Cove Bridge

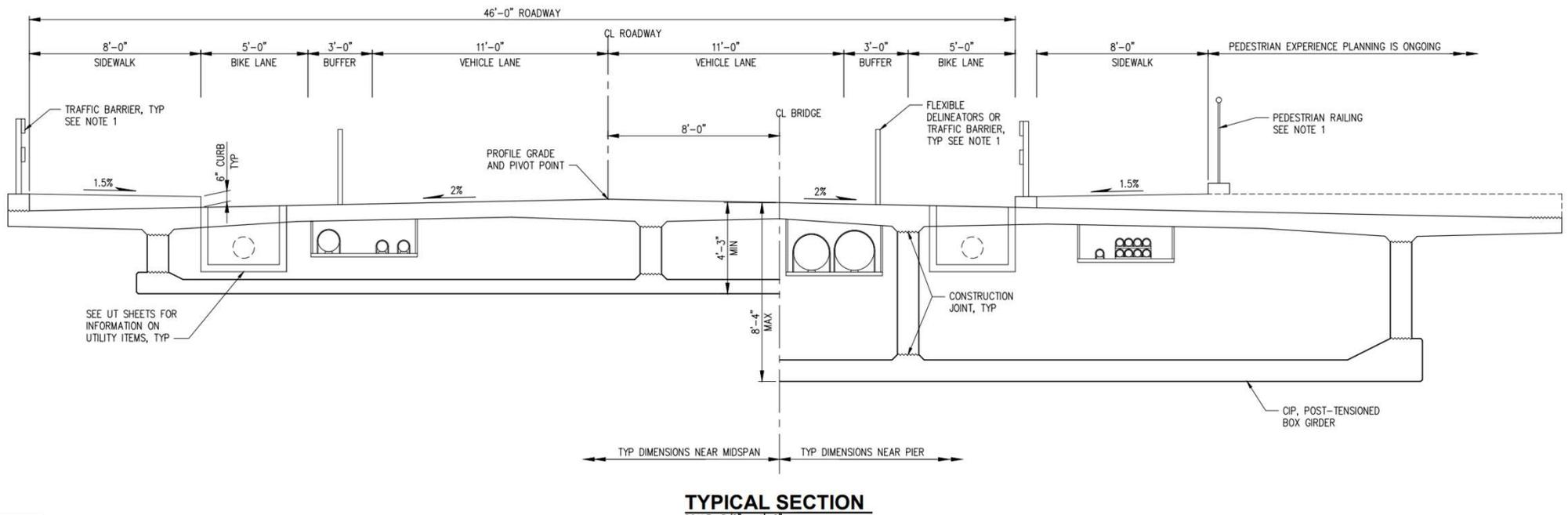
- Single Span, 100-foot long Precast Concrete Girders
- Deep Foundations
- Significant Bridge Supported Utilities

## ✦ Approach Roadway Retaining Walls, Miscellaneous Structures

# 5<sup>th</sup> Avenue Bridge



# 5<sup>th</sup> Avenue Bridge



# 5<sup>TH</sup> AVENUE BRIDGE CONCEPTUAL RENDERING

Aerial view from southwest



# 5<sup>TH</sup> AVENUE BRIDGE PLAN

4<sup>th</sup> Avenue

Vertical Sculpture

ADA Access Stairs

Art & Interpretive Signage

Extended Landscape

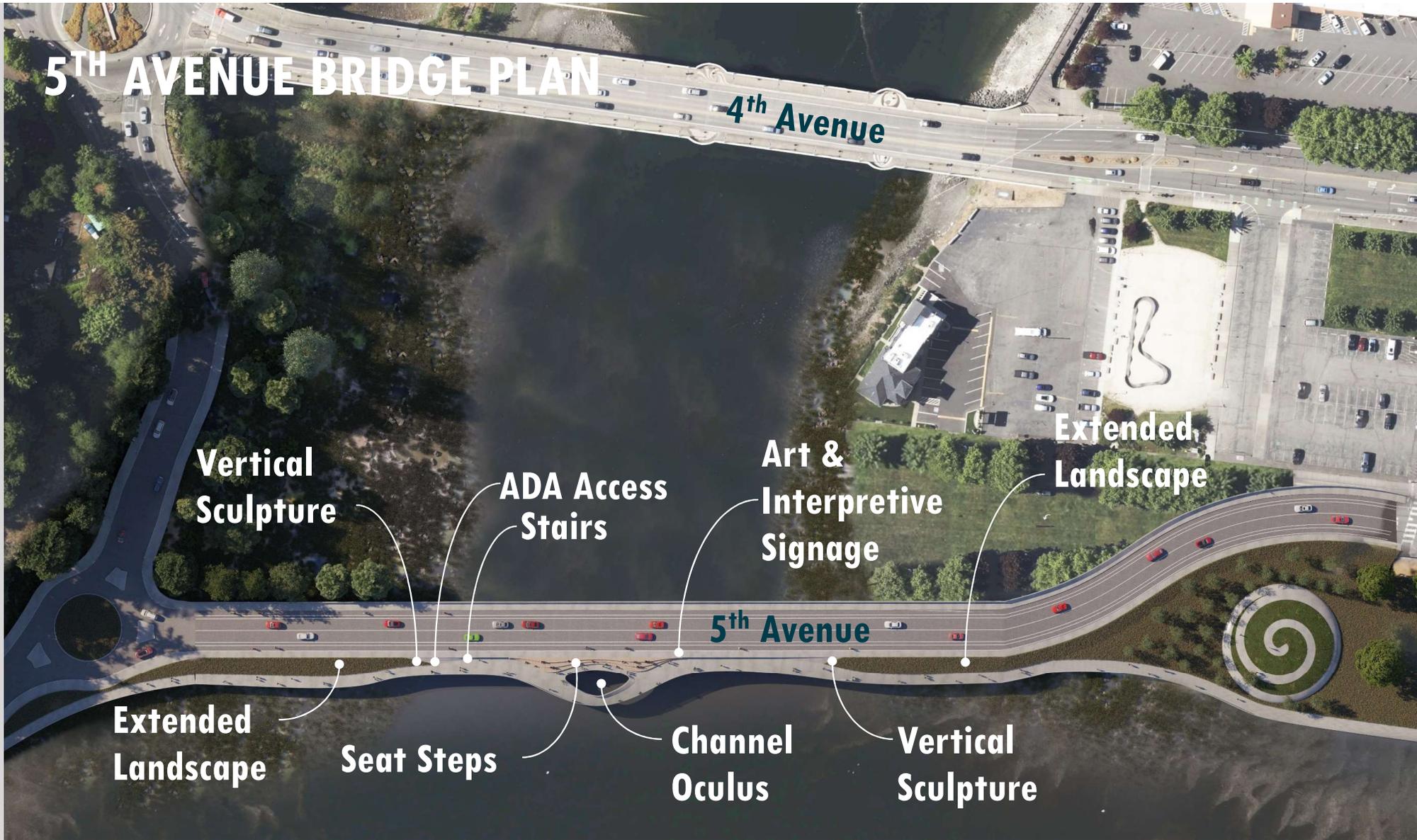
5<sup>th</sup> Avenue

Extended Landscape

Seat Steps

Channel Oculus

Vertical Sculpture



# 5<sup>TH</sup> AVENUE BRIDGE CONCEPTUAL RENDERING

## High water level view from southeast



# 5<sup>th</sup> Avenue Bridge

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## ✦ Challenges & Opportunities

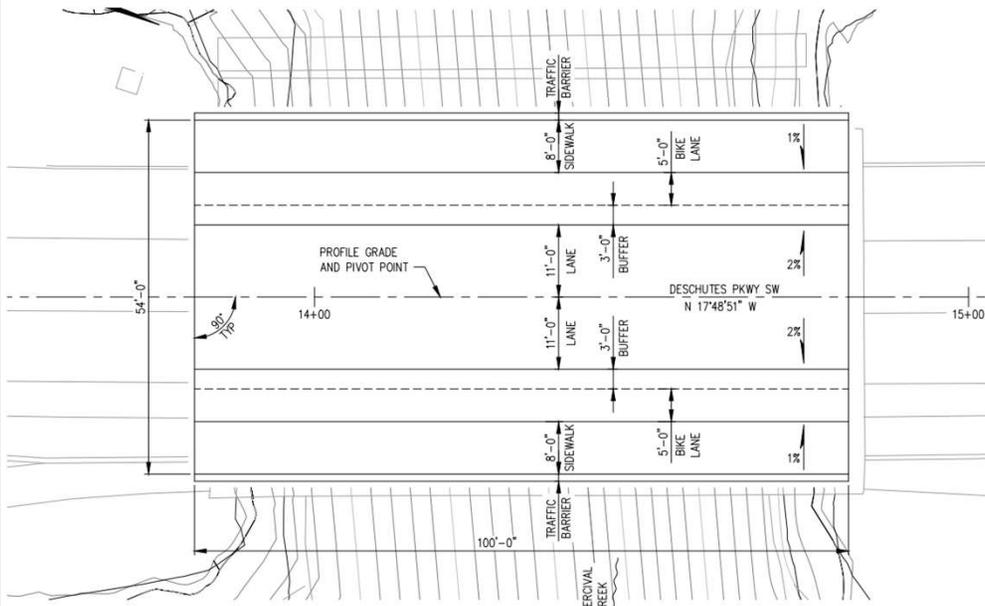
- Poor Soils Subject to Liquefaction & Lateral Spreading
- Phasing/Coordination with Dam Removal
- Unique Architectural Features
- Accommodating Multi-Modal Users

# Percival Cove Bridge

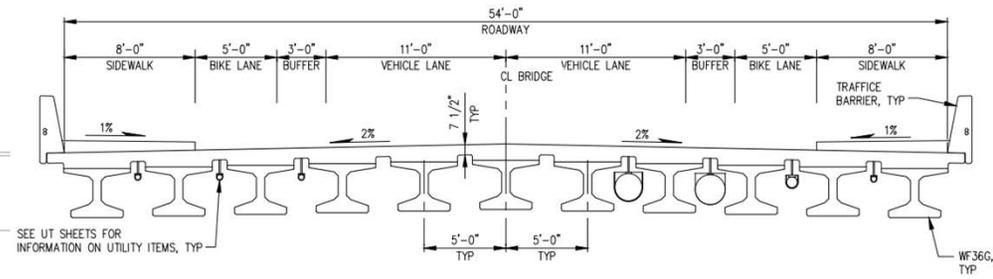
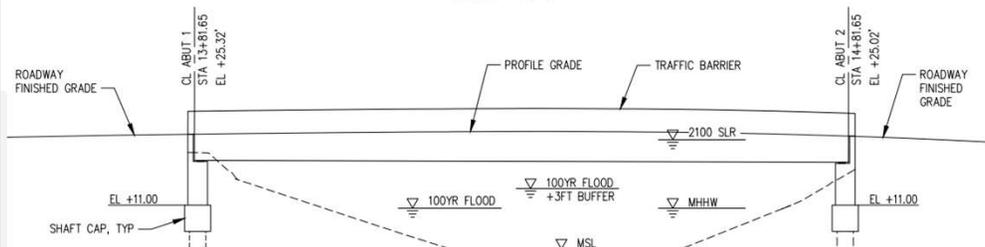
- ✦ Replace Existing Bridge
  - Built in 1958
  - Seismically Vulnerable
- ✦ BNSF Crossing
- ✦ Construction Phasing
- ✦ Significant Utilities



# Percival Cove Bridge

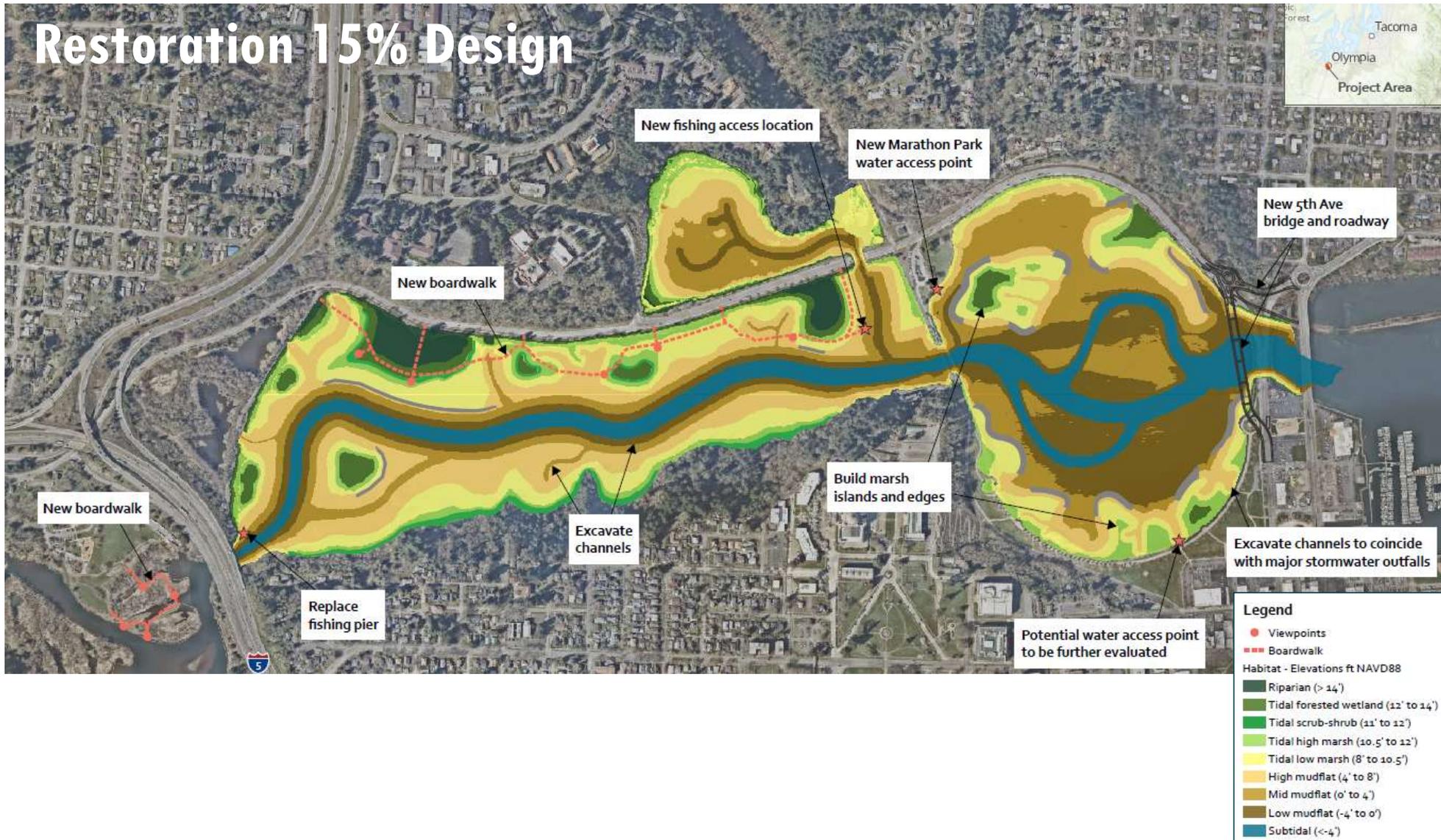


**PLAN**  
SCALE: 1" = 10'-0"



**TYPICAL SECTION**  
SCALE: 1/4" = 1'-0"

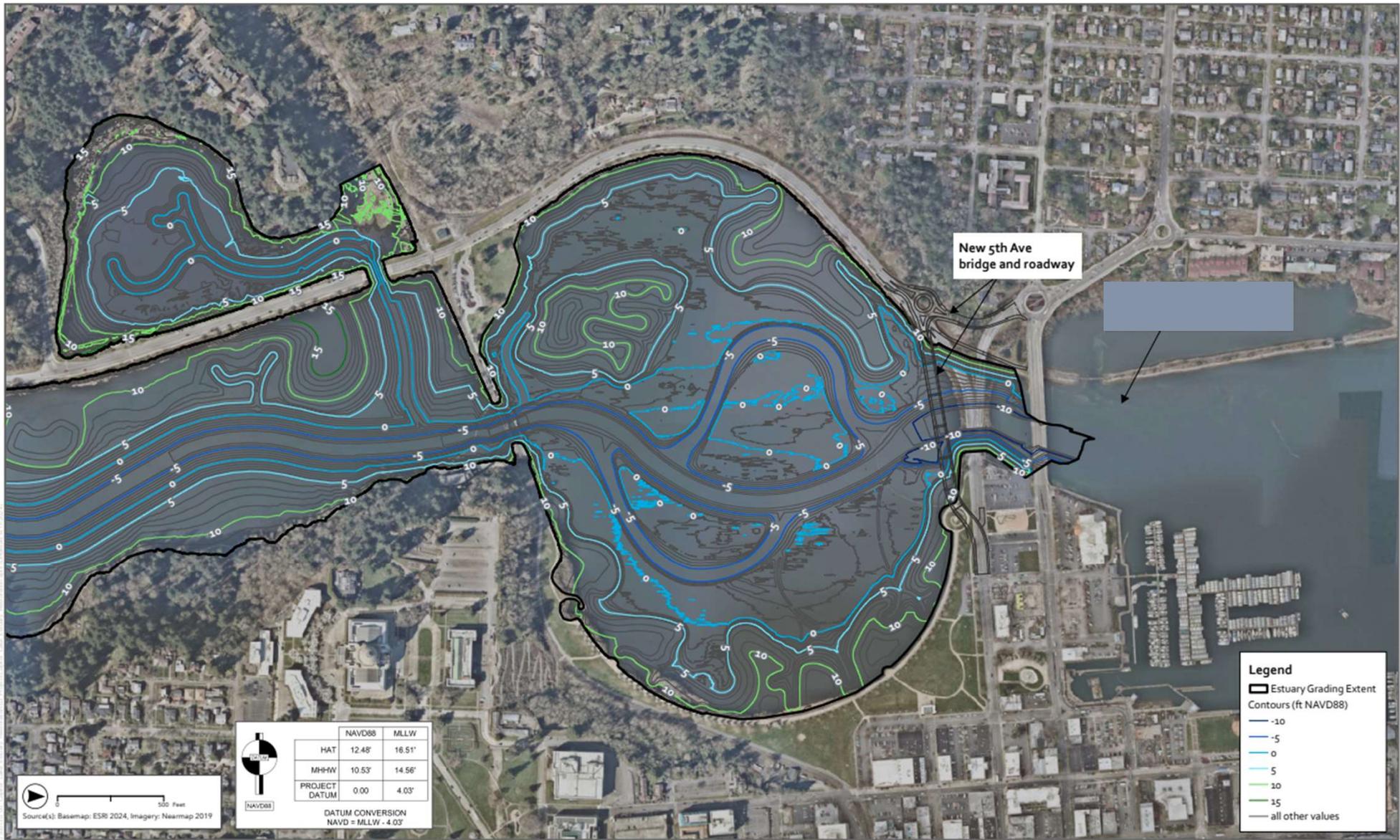
# Restoration 15% Design

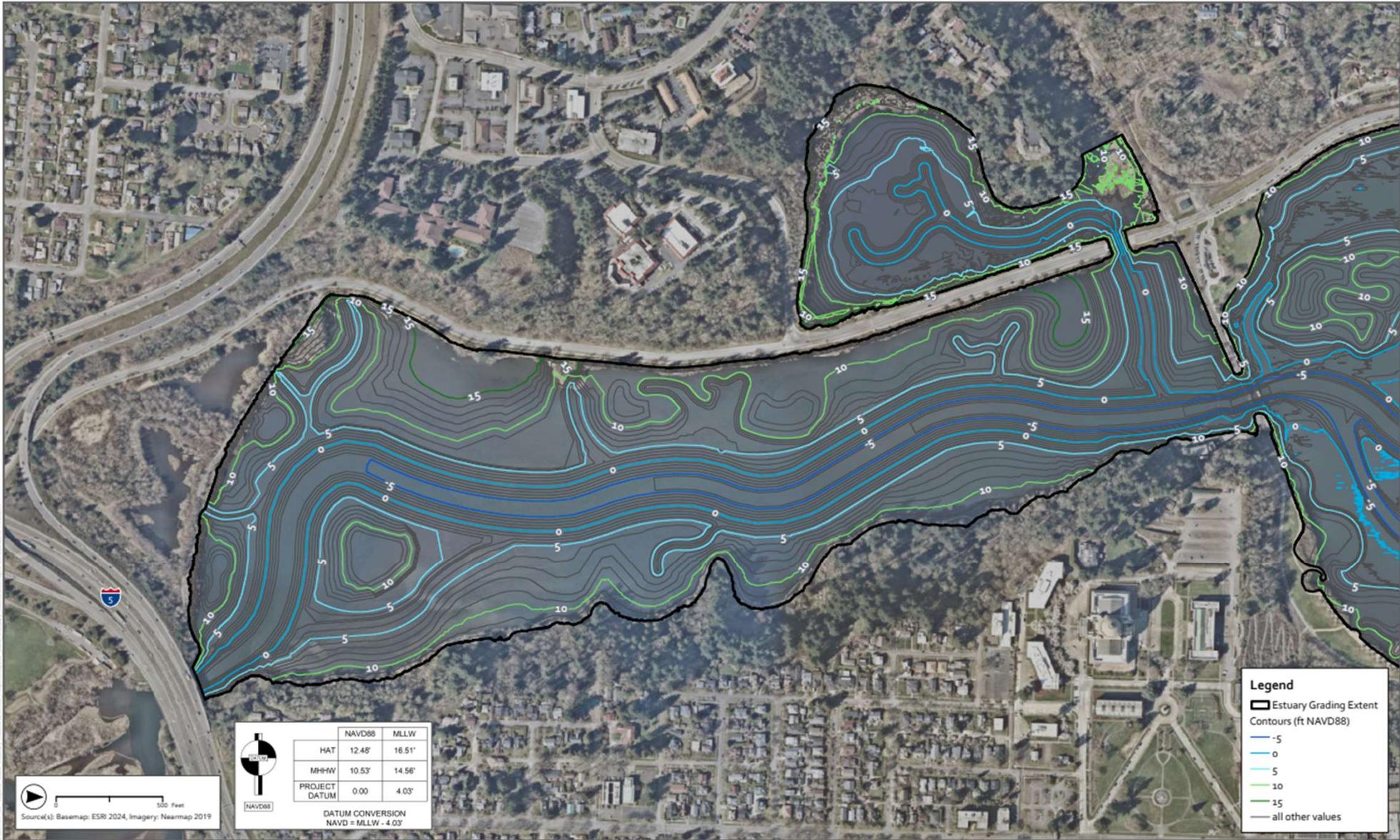


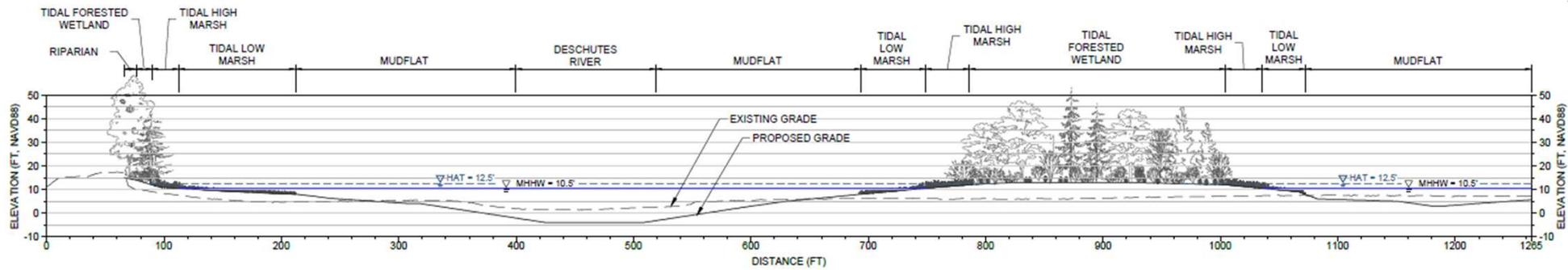
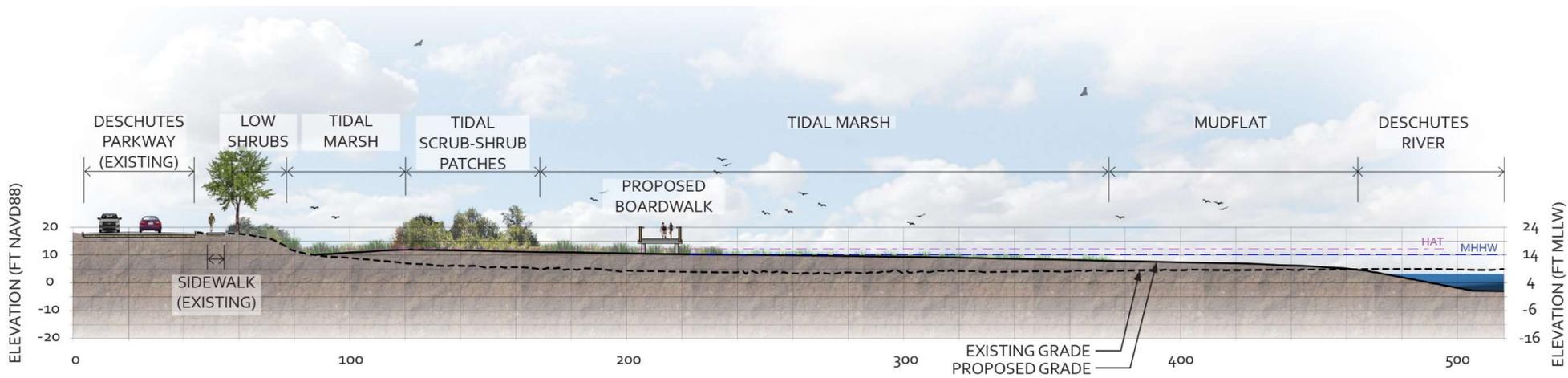
# Channel Dredge and Habitat Creation

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- ✦ Dredging to restore main channel and create side channels
  - Approx. 550,000 CY dredge and placement, up to 12' of cut/fill
  - No offsite disposal anticipated
  - Sediments are not contaminated
  - Shallow draft, assuming small hydraulic dredges
- ✦ Assuming lake drawdown during construction
- ✦ Assuming pumped gravel berms to support dredged material dewatering and habitat slope construction
  - Est. 400,000 CY of imported angular gravel
- ✦ Reuse of approx. 100,000 CY of material from dam removal
- ✦ Approx 110 acres of habitat grading
- ✦ Creosote piling removal in North Basin (approx 100 piles)





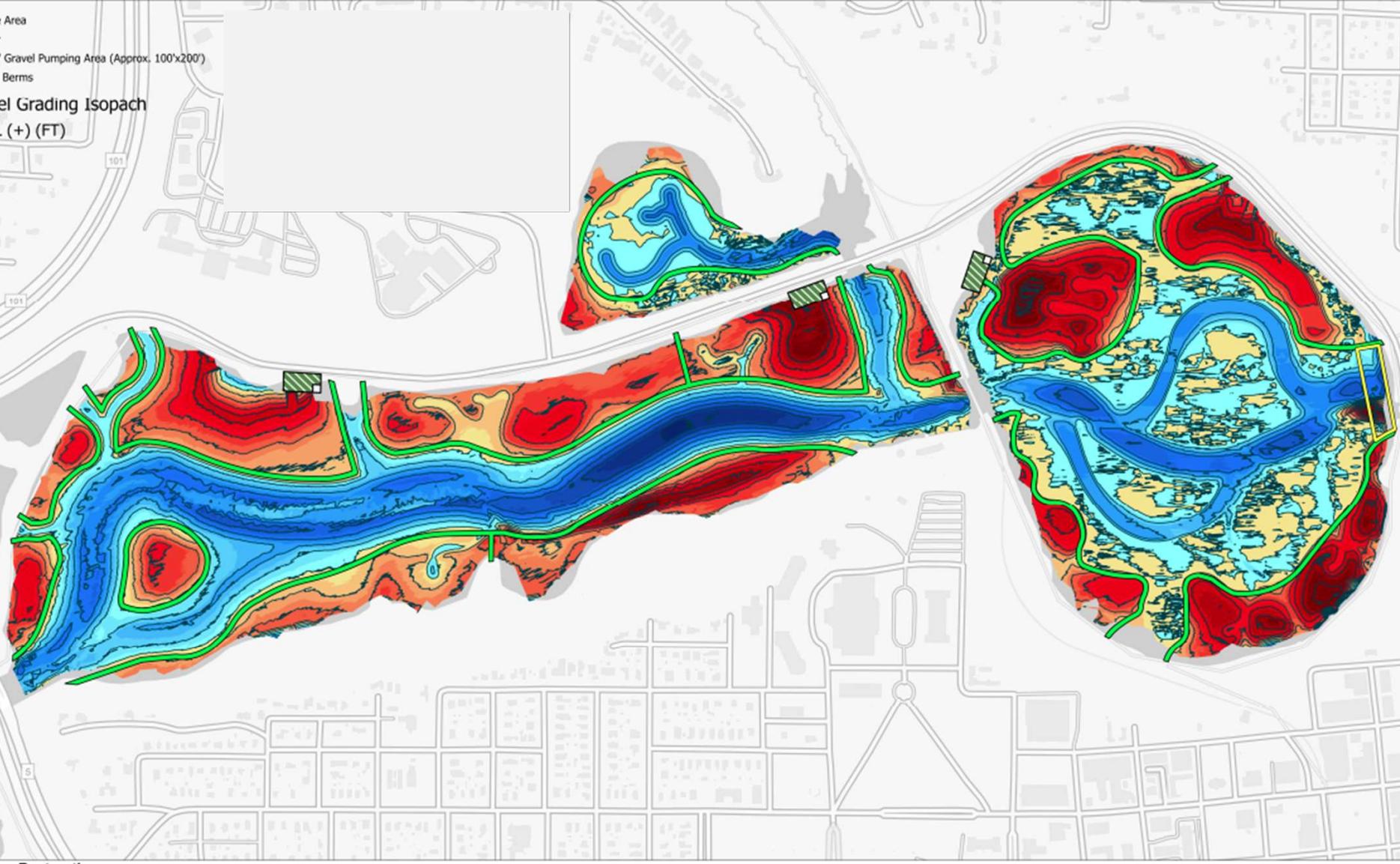


H4 HABITAT SECTION AT MIDDLE BASIN  
5 LOOKING NORTHWEST

HORIZONTAL SCALE: 1" = 100'  
VERTICAL SCALE: 1" = 50'  
VERTICAL EXAGGERATION: 2x

- Bridge Dredge Area
- Gravel Hopper
- Staging Area / Gravel Pumping Area (Approx. 100'x200')
- Concept Level Berms

Concept Level Grading Isopach  
CUT (-) & FILL (+) (FT)



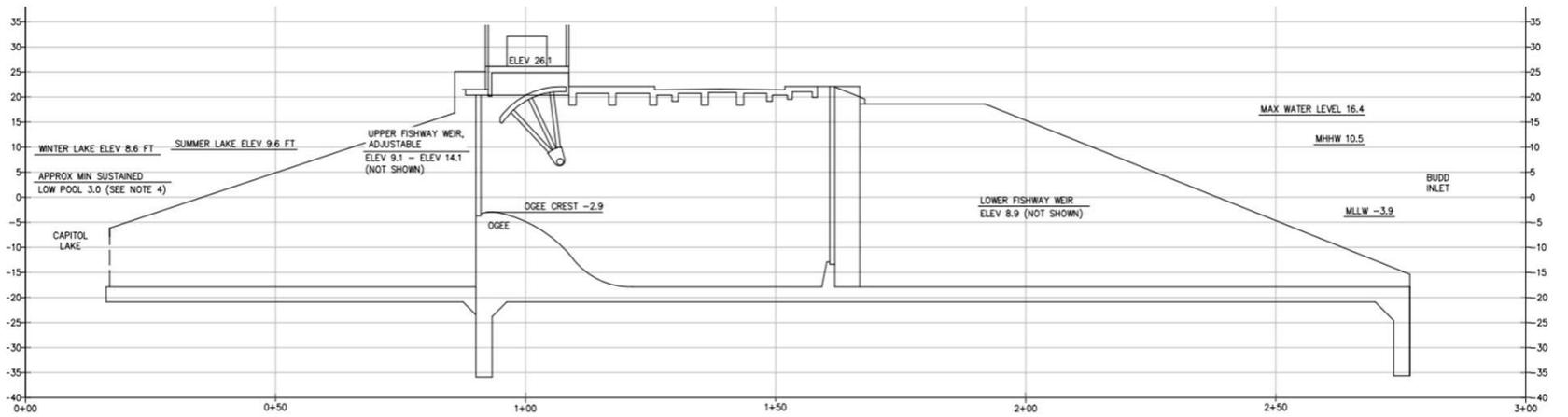
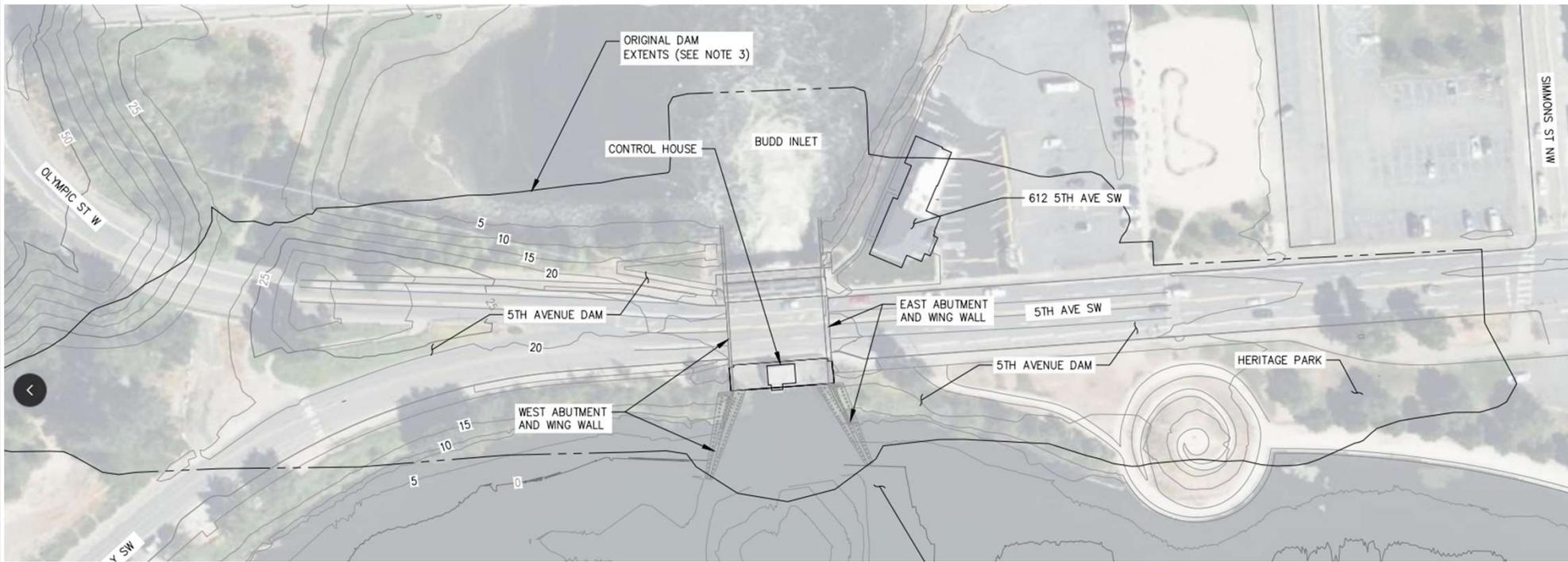
# Primary Constraints

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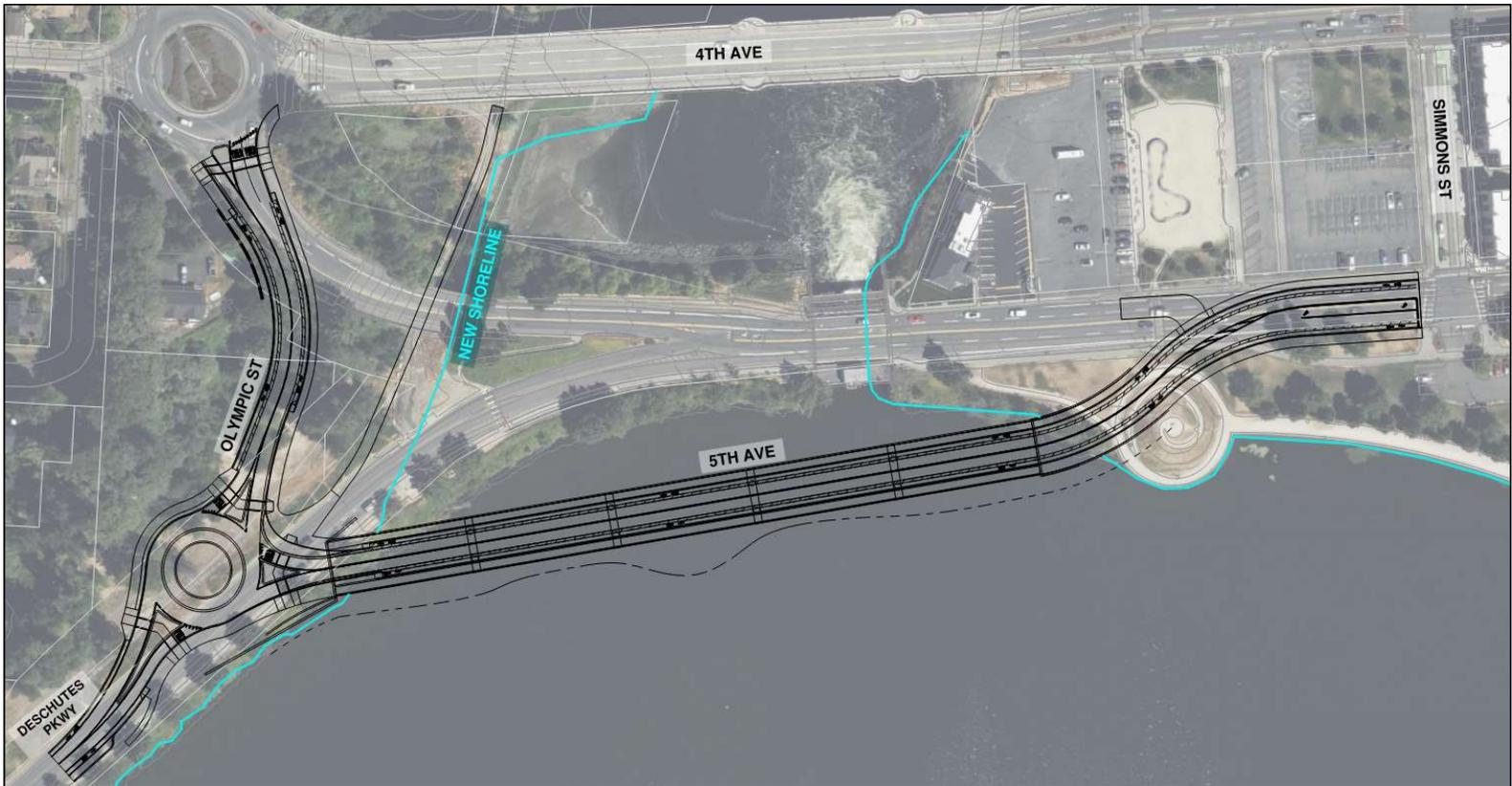
- ✦ Equipment mobilization from roadways, separate access to North and Middle Basins
- ✦ Very limited upland staging
- ✦ Very shallow water depths
- ✦ Fish passage required in channel March-May, and August-November
- ✦ Assume drawdown to work “in the dry” outside channel year-round
- ✦ Stormwater outfall management







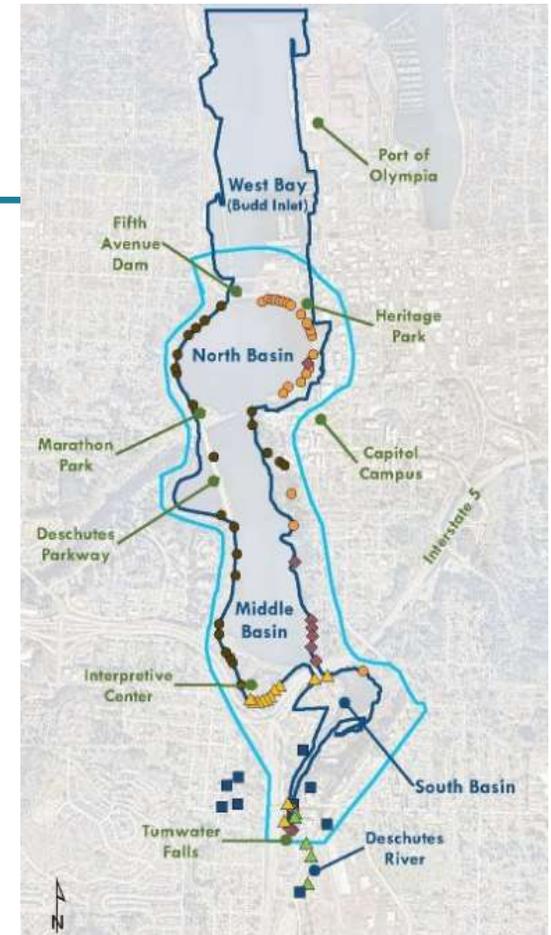
# New Roadway Overview





# Stormwater – Outfalls

- ✦ Approximately 65 outfalls of interest
  - Consolidation, extension and backwater prevention considerations
  - Scour protection and material upgrades

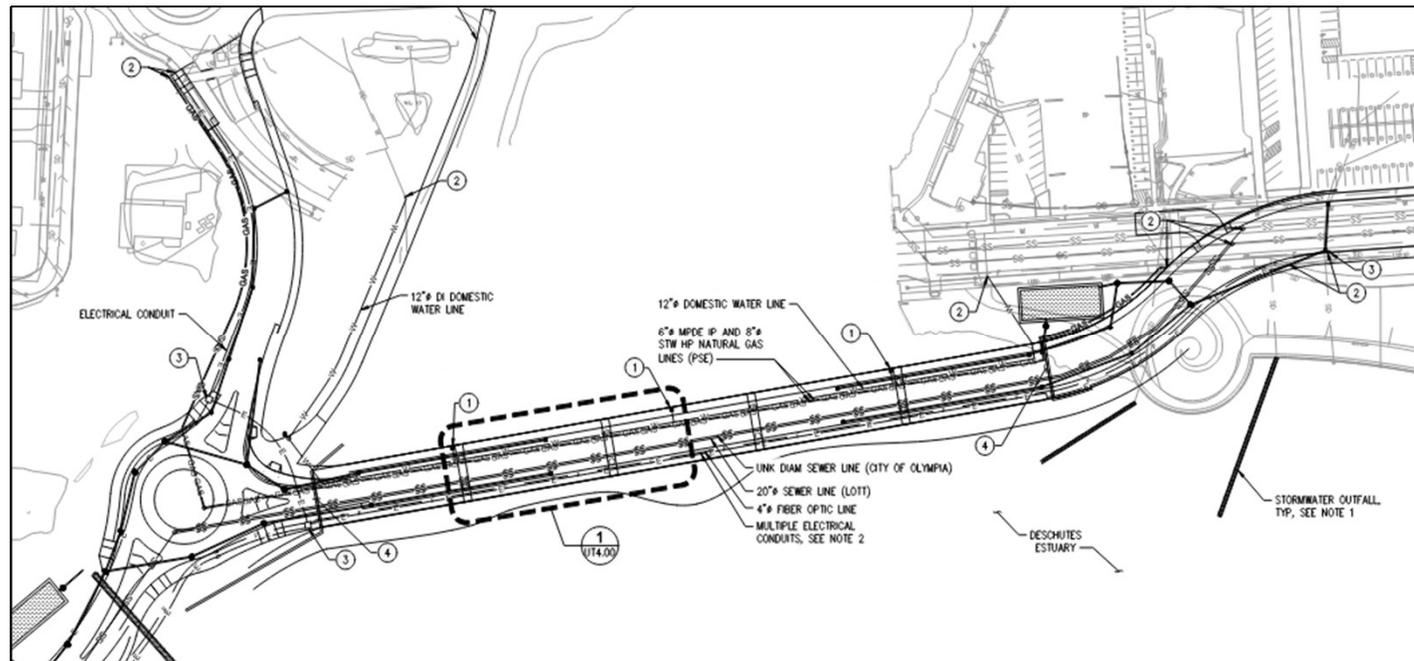


# Utilities

- ✦ Sanitary Sewer
- ✦ Water
- ✦ Fire Water
- ✦ Reclaimed Water
- ✦ Natural Gas
- ✦ Electrical and Communications
- ✦ 3 Major Bridge Crossings



# Utilities – 5th Avenue

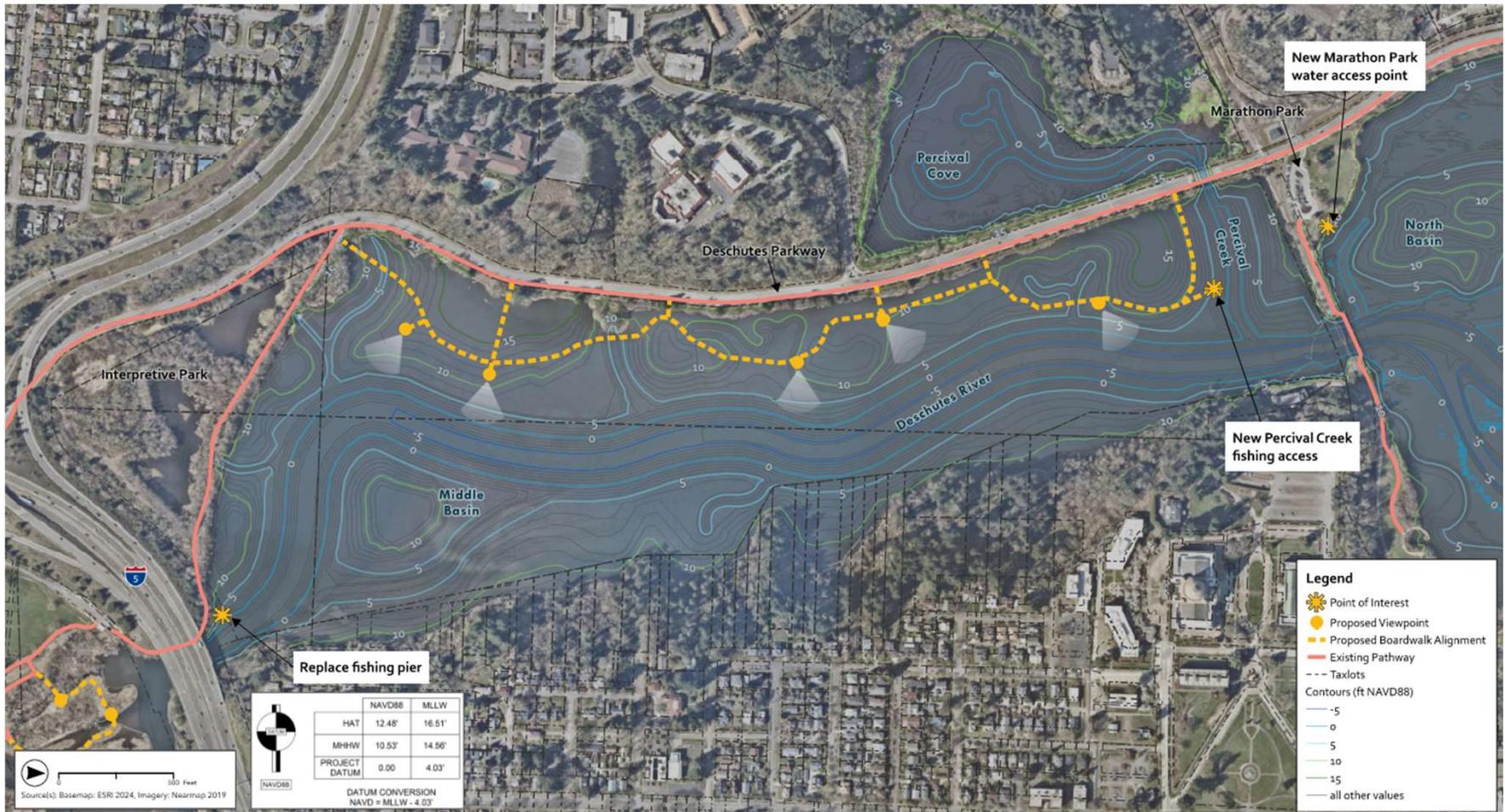


# Utilities – Percival Cove Crossing



- ✦ Backbone Utility Infrastructure surrounds the North Basin on 3 Sides
- ✦ The crossing at Percival Cove does not have built in redundancy

# Recreation – Middle Basin



# Recreation – South Basin

- ✦ Replace fishing pier
- ✦ Construct new boardwalk
- ✦ Lighting and security



# Park Restoration



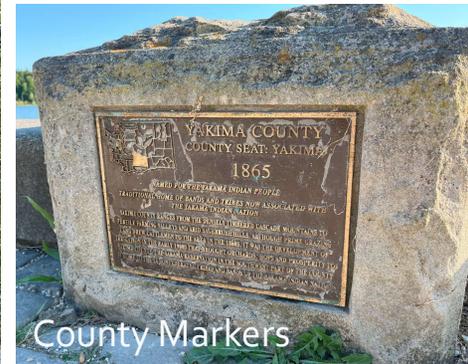
# Park Restoration



# Heritage Park – Existing Conditions

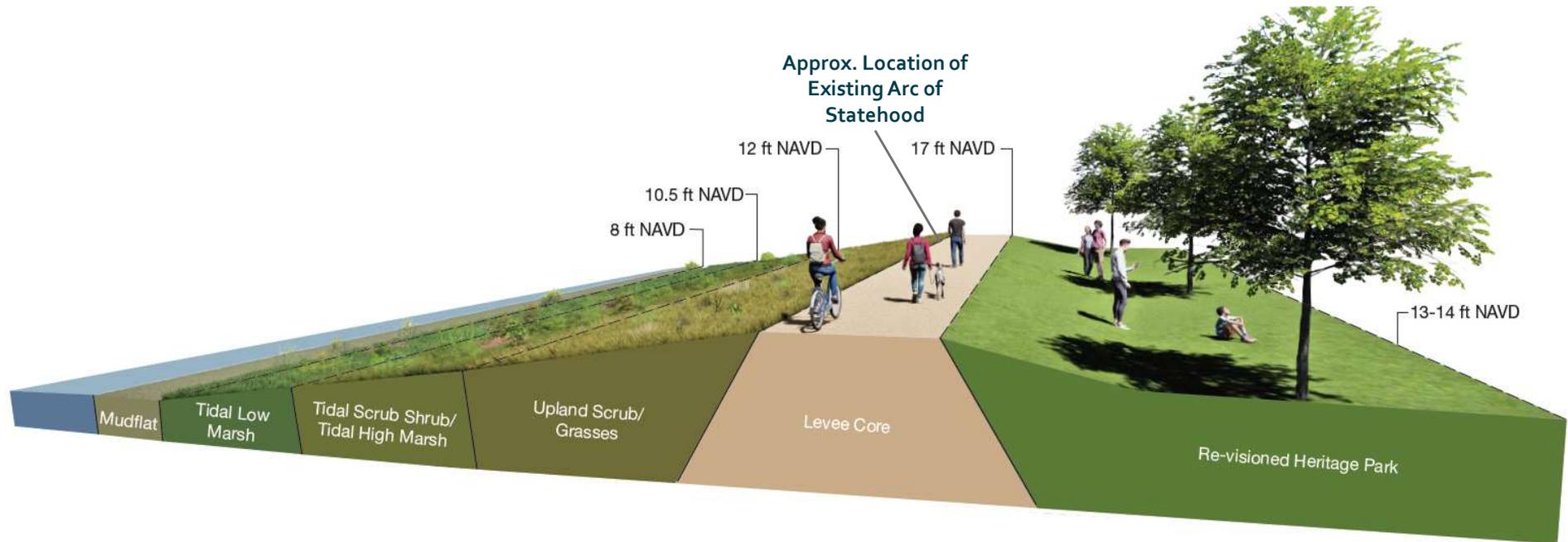


Arc of Statehood



County Markers

# Heritage Park – Sea Level Rise Adaptation



# Engineer's Estimate

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- ✦ Initial Engineers Estimate of Probable Construction Cost - \$350M
- ✦ Estimate developed by the Engineering Team based on 15% scope – there are some scope elements to be added
- ✦ Value Engineering is Needed, in Collaboration with GC/CM

# Design and Construction Schedule

# Design, Permitting and MACC Negotiations

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## Anticipated Schedule

- ✦ 30% design completion by end of 2024
- ✦ 2025: 60% design with GC/CM input, permit applications
- ✦ 2026: design and permitting completion, MACC negotiation
- ✦ 2027: construction start

# Construction Schedule

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- ✦ Estimated 5-6 years
- ✦ Uninterrupted 5<sup>th</sup> Ave corridor: roadway and bridge completion required prior to dam removal
- ✦ Primary dredging and filling complete before dam breach to minimize West Bay sediment deposition
- ✦ Potential for Deschutes Parkway closures

# Permitting and Funding Uncertainties

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- ✦ GC/CM Preconstruction Services for 2025 funded to \$500k
- ✦ Services beyond 2025 are contingent on acquisition of additional design and construction funding.
- ✦ DES is actively pursuing that funding from grants and legislative appropriation.
- ✦ Construction start in 2027 is dependent on completion of permitting as well as construction funding.

# Heavy Civil GC/CM Procurement per RCW 39.10



# Anticipated Schedule for RFQ/RFP

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- ✦ DES issuance of RFQ/RFP in early October
- ✦ SOQs due 45 days following issuance – mid November
- ✦ Shortlist selection, references, meetings and interviews by early Dec
- ✦ Final Proposal from shortlisted contractors and selection by early Jan
- ✦ Preconstruction Work Plan, contracting for Precon Services in January
- ✦ GC/CM on board by early February 2025 – start of 60% design

*DES may modify this schedule at any time*

# Selection Process

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- ✦ Follows DES standards for GC/CM, in accordance with RCW 39.10
- ✦ SOQs scored and ranked by selection panel
- ✦ Finalists shortlisted for proprietary meetings and interviews
- ✦ Shortlisted firms submit Final Proposal providing bid for GC/CM fee
- ✦ Finalist firm with highest score based on selection committee evaluation of interview, and score for Final Proposal will be asked to submit a Preconstruction Work Plan
- ✦ Subject to approval of Preconstruction Work Plan, contract will be executed for Preconstruction Services.

# MACC Negotiations and Construction Contract

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- ✦ MACC negotiations will occur when contract documents are at least 90% complete
- ✦ When MACC is successfully negotiated, GC/CM contract for construction is entered into
- ✦ If GC/CM and DES do not agree on satisfactory MACC, DES may cancel negotiations and begin to negotiate with next highest ranked firm.

# Heavy Civil GC/CM

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- ✦ Heavy Civil GC/CM per RCW 39.10.908
- ✦ Greater level of GC/CM negotiated self-performed work
- ✦ Alternative subcontractor selection per RCW 39.10.385
  - Contractor submittals to describe how intend to use alternative subcontractor selection for this project

# Key Requirements of RFQ/RFP

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- ✦ Bonding commitment statement, for full contract value
- ✦ Diverse Business Inclusion Plan – aspirational goal 15%
- ✦ Apprenticeship Utilization Plan – required 15% of labor hours
- ✦ RCW 39.04.05.350 mandatory contractor responsibility criteria

# Teaming

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- ✦ This is selection for the GC/CM entity
- ✦ Entity must be an individual company or formal JV
- ✦ Entity will be held to self-performance requirements
- ✦ Bonding commitment statement is required for the entity, for full contract value
- ✦ If JV formed for the project, assume letter stating intent to form JV will be sufficient – to be confirmed in RFQ/RFP

- ✦ Please type questions into the Zoom chat
- ✦ We will not be answering additional questions prior to the RFQ/RFP issuance
- ✦ Thank you for your interest!

Please make sure you signed in: Please type your Name, Company & Email into the chat

**Q&A**

**Deschutes Estuary Restoration Project**  
**Heavy Civil GC/CM Pre-Solicitation Meeting - September 9, 2024**  
**Attendee Sign-In (provided by attendees in Zoom chat)**

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