

NATIONAL PARK SERVICE NATIONAL MALL AND MEMORIAL PARKS

National Historic Preservation Act

Section 106

Consulting Parties Meeting #1

August 2, 2022



NAMA 318722



VIRTUAL MEETING OVERVIEW

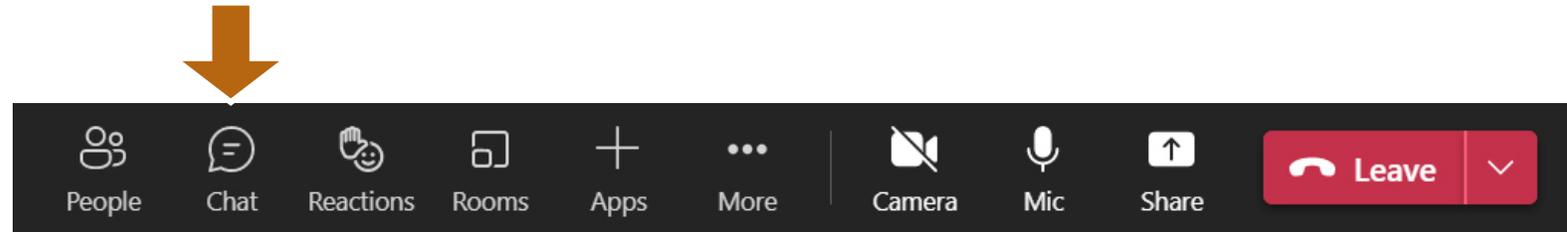
- This meeting will be **recorded**
- Type your questions into the Meeting Chat
- Questions will be answered at the end of the presentation as time allows
- Questions or comments submitted as part of this meeting will **not** be considered formal comments on the project
 - Formal comments must be submitted online or postmarked by September 12, 2022



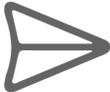


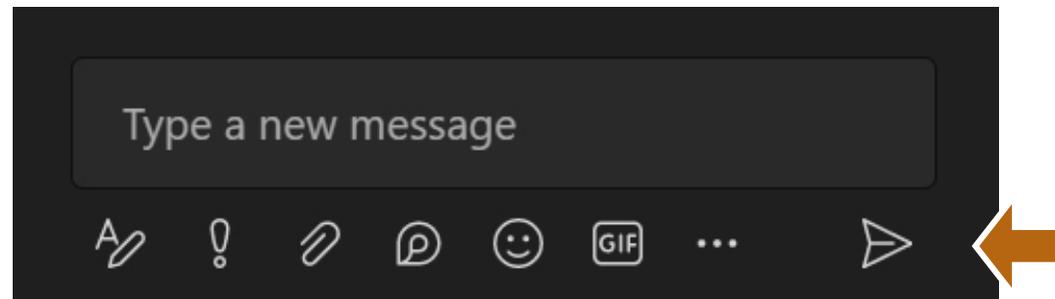
HOW TO ASK A QUESTION

1. Click on the “Chat” icon at the top of your screen.



2. The Meeting Chat panel will open on the right side of the screen.

3. Enter your question into the text box and select **Send**. 





AGENDA

1. Introductions
2. Project Undertaking
3. History of Seawall
4. Existing Conditions
5. National Historic Preservation Act and Section 106 Process
6. Identification of Historic Properties
7. Preliminary Concepts
8. Discussion, Questions, and Comments
9. Next Steps





01

INTRODUCTIONS



INTRODUCTIONS

- NPS National Capital Region
- NPS National Mall and Memorial Parks
- JV Team:
 - HDR
 - Moffatt & Nichol
 - EHT Traceries
 - InterAgency
 - Annapolis Landscape Architects
- Consulting Parties





02

PROJECT UNDERTAKING



PROJECT UNDERTAKING



To rehabilitate approximately 6,800 feet of seawall in Tidal Basin and West Potomac Park to its historic functional height. Their deteriorated condition, combined with land settlement and sea level rise, have created regular flooding in the Project Area, affecting park visitation and the landscape itself.





PROJECT AREA





03

HISTORY OF SEAWALL

HISTORY OF SEAWALLS



1791 L'Enfant Plan (Library of Congress (LOC))

- Not historically part of L'Enfant's Plan for the City of Washington.
- Land reclamation was part of larger national movement to sanitize, expand, and beautify polluted, dense, and urban landscapes in the late 19th century.
- Vital sanitary measure
- Flood control device
- Enhanced river navigation
- Created new acreage for urban development

POTOMAC FLATS



1861 Boschke Map (LOC)

For much of the early 19th century an increased number of open sewers and river-side ports made the flats susceptible to:

- Flooding
 - Sedimentation
 - Pollution
- As early as 1866 plans began to dredge and reclaim 166 acres around Long Bridge.

POTOMAC FLATS



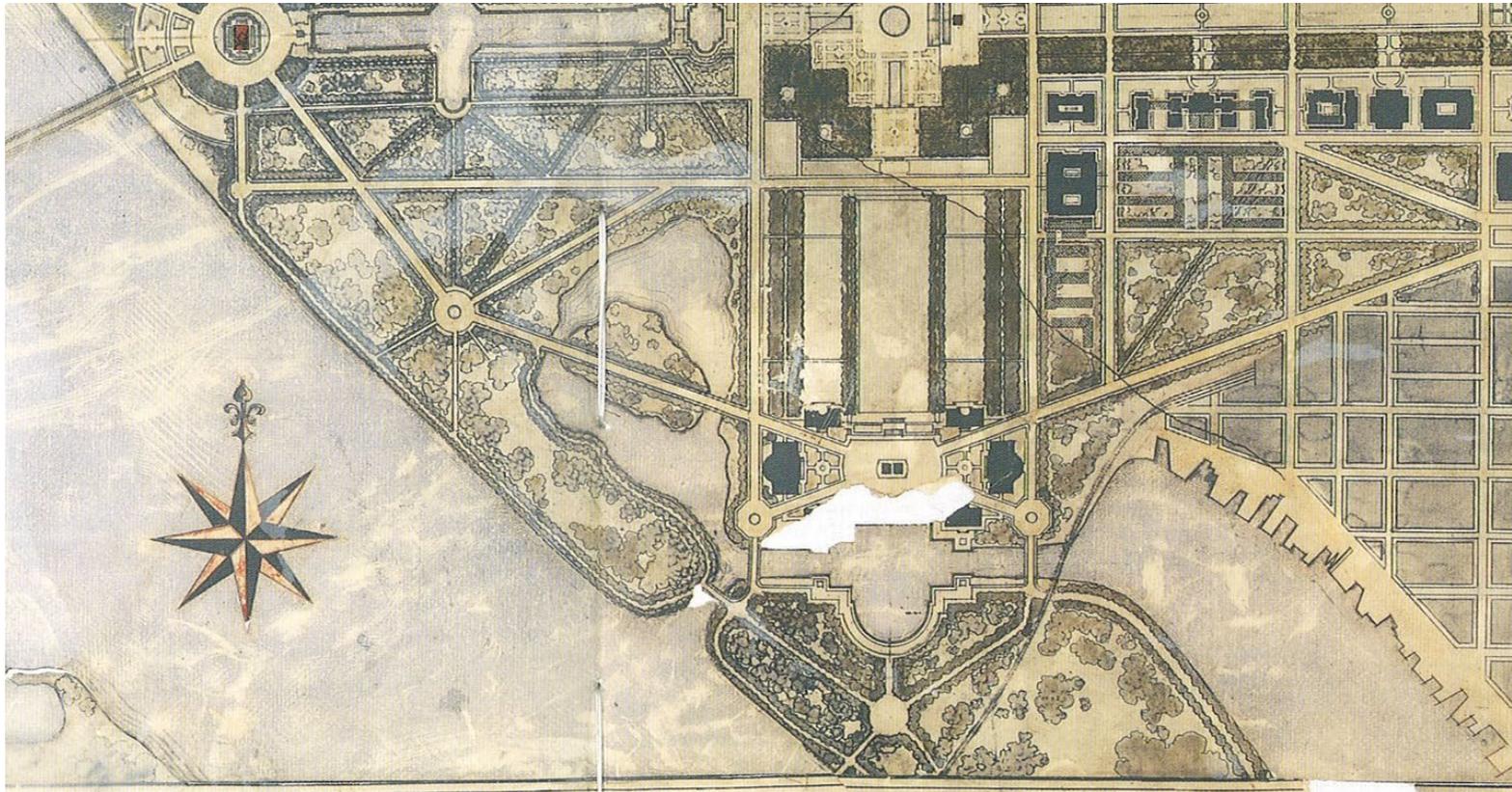
1870s: Army Corps of Engineers (ACOE) begin dredging Potomac River for shipping channels.

1875: Sylvanus Thayer Abert first proposed filling in Potomac Flats to reclaim land.

1879: Major W. J. Twining proposed to close Washington Channel at upper end and create four basins.

1884 Sachse Map (LOC)

TIDAL BASINS



1901 Sachse Map (LOC)

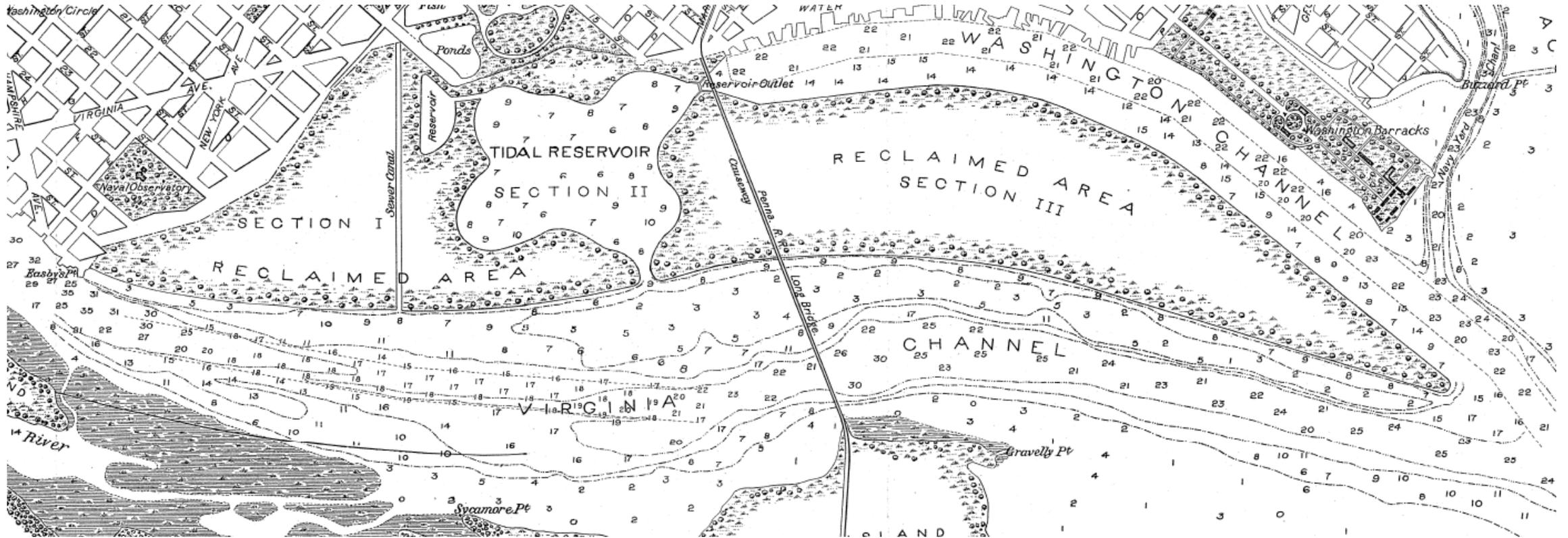
Design went through many iterations.

Between 1882 and 1896, ACOE dredged more than 12 million cubic yards to create more than 600 acres of new land.

Formally declared a public park in 1897.



RECLAMATION EFFORT

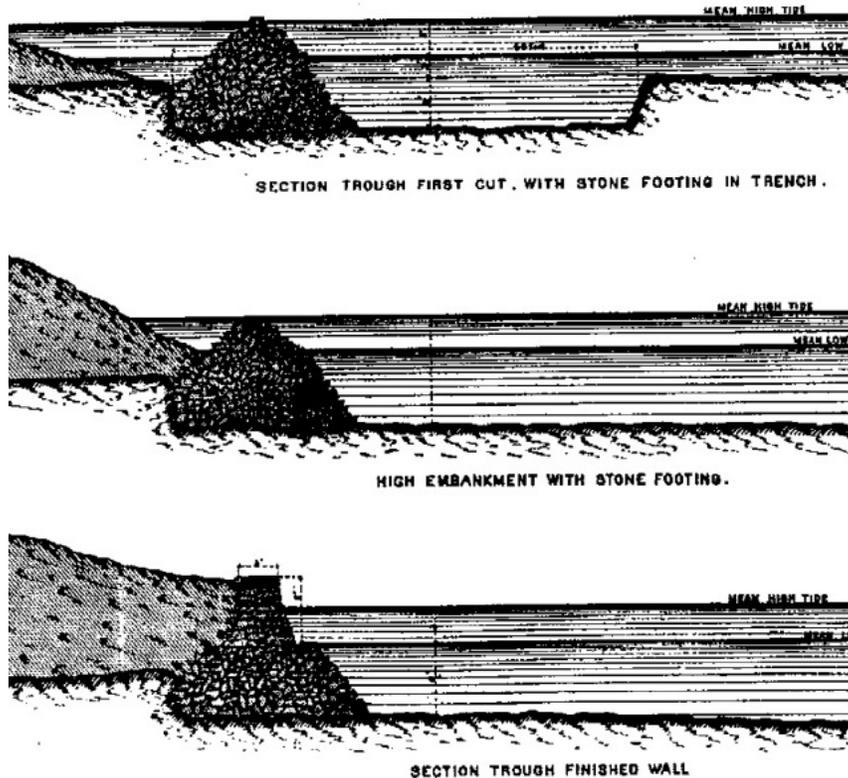


Progress map 1896 (ACOE)

1896



WALLS

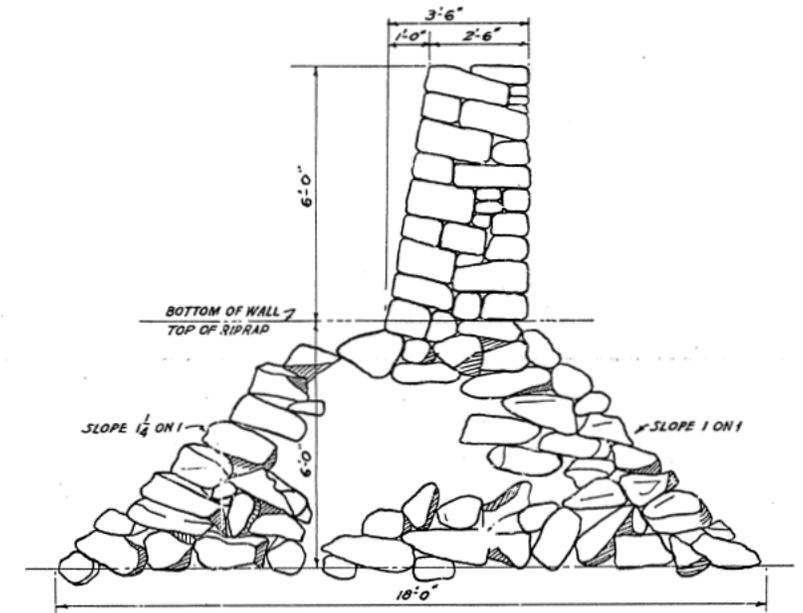


c. 1885 Hains' Diagram (NPS)

Most foundations constructed by late-1880s.

Walls capped in early 1890s:

- Rip-rap foundation
- Stone walls 6' high, 4' thick at base, 2 ½' thick at top



Original Seawall Design Cross Section (NPS 1940)



FOUR DISTINCT SECTIONS





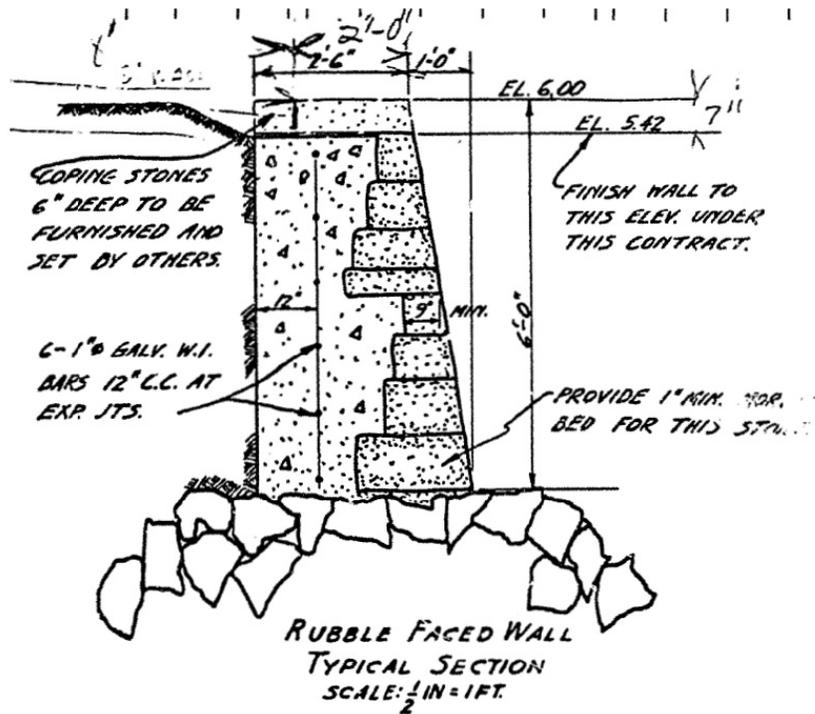
TIDAL BASIN EAST



- Late 1930s: Tidal Basin adjusted for Jefferson Memorial
- 1940: New seawall alignment completed
- 1942: Railing extended around Tidal Basin
- Railing removed at unknown date



TIDAL BASIN EAST



Typical 1940s Tidal Basin East Seawall section





(NPS)

TIDAL BASIN EAST CONSTRUCTION C. 1939





(NPS c. 1942)



HISTORIC SEAWALL HEIGHT





TIDAL BASIN WEST

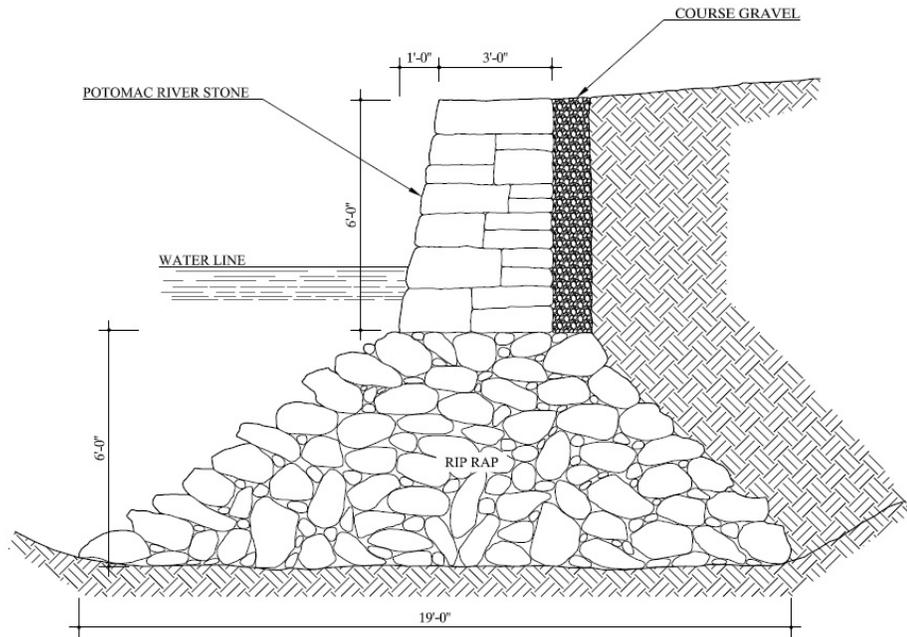


- 1909: Walls reconstructed due to construction of Inlet Bridge
- 1941: Seawall coping added – 8” thick concrete coping
- 1942: Railing extended around Tidal Basin
- Railing removed at unknown date





TIDAL BASIN WEST



TYPICAL ORIGINAL SECTION - WALLS B, C (1907)

1/2" = 1'-0"

1:24

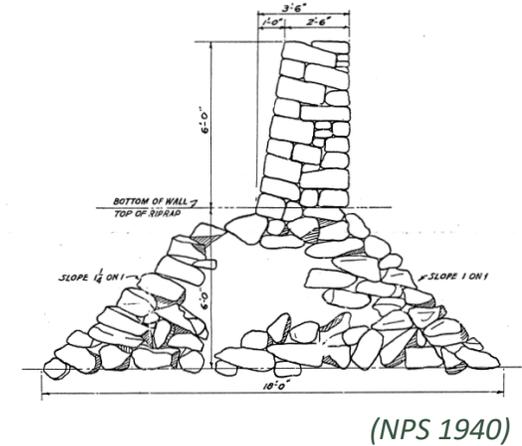
Section from Cultural Landscape Report (NPS)





WEST POTOMAC PARK SOUTH

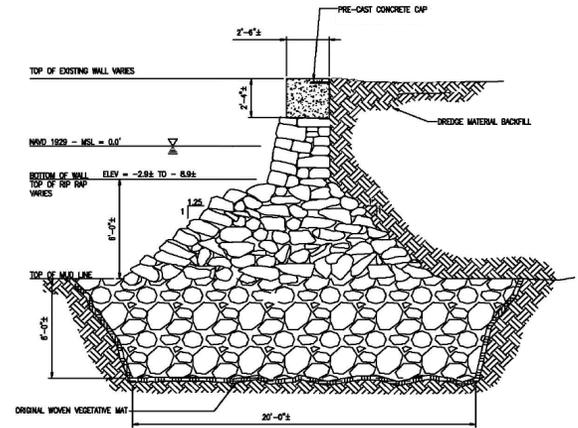
- 1884: Foundations completed
- 1890-1891: Top of wall completed
- Riprap and other materials continued to be added as late as the 1990s





WEST POTOMAC PARK NORTH

- 1957: Section rebuilt by PEPCO
- Unknown how much of the historic foundation remains



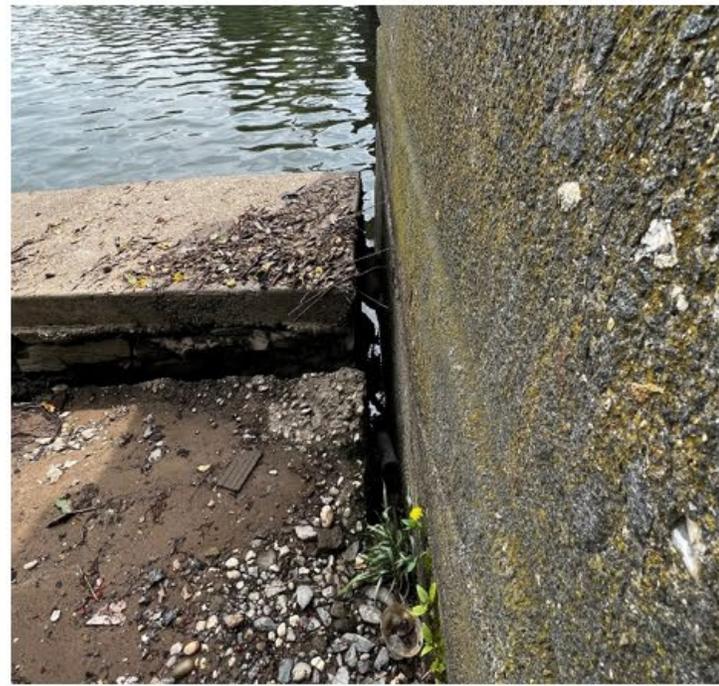
Assumed Concrete Repair (Dewberry 2011)





04

EXISTING CONDITIONS



EXISTING CONDITIONS





EXISTING CONDITIONS





EXISTING CONDITIONS





EXISTING CONDITIONS





05

NATIONAL HISTORIC PRESERVATION ACT AND SECTION 106 PROCESS



SECTION 106

Federal Agencies must:

- Consider and determine the direct AND indirect effects of a proposed undertaking on historic properties
- Consult with State Historic Preservation Officers (SHPOs), Tribes, and other consulting parties
- Identification of historic properties within the Area of Potential Effect
- Avoid, minimize, or mitigate adverse effects to historic properties
- See: 36 CFR Part 800 (Protection of Historic Properties)





CONSULTING PARTY INVOLVEMENT

Consulting Parties are:

- Applicants for federal assistance/approvals
- SHPOs
- Federally recognized Indian tribes/Tribal Historic Preservation Officers (THPOs)
- Local governments
- Advisory Council on Historic Preservation
- Other individuals/organizations with interest due to the nature of their legal or economic relation to the project or affected properties, or their concern with the project's effects on historic properties

Potential roles of the consulting parties:

- Discuss views
- Help identify historic properties
- Review pertinent historic preservation information provided by NPS
- Help develop and consider possible solutions to avoid, minimize, or mitigate adverse effects to historic properties
- Implement mitigation measures

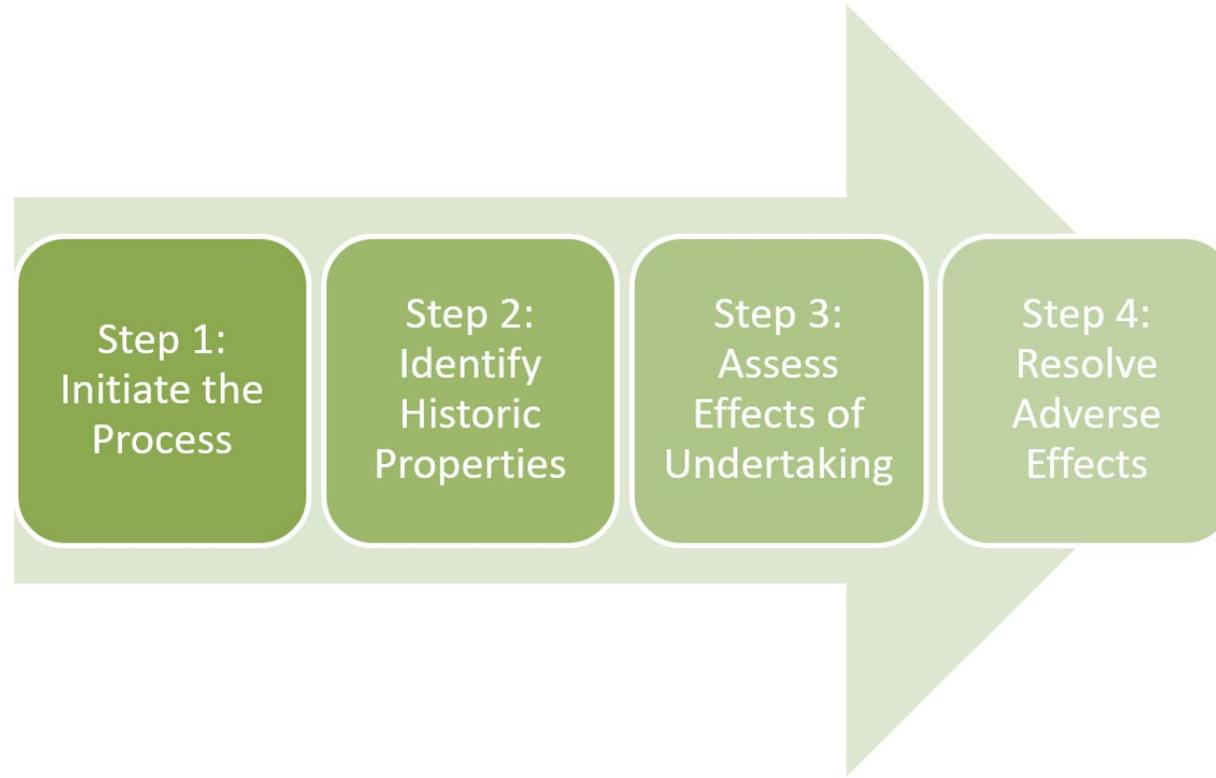




CONSULTING PARTIES

- NPS National Capital Region
- NPS National Mall and Memorial Parks
- DC Historic Preservation Office (DC SHPO)
- Virginia Department of Historic Resources (VA SHPO)
- THPOs
- National Capital Planning Commission
- Commission of Fine Arts
- Advisory Council on Historic Preservation
- DC Preservation League
- Committee of 100
- Trust for the National Mall
- National Trust for Historic Preservation
- Historical Society of Washington
- Others



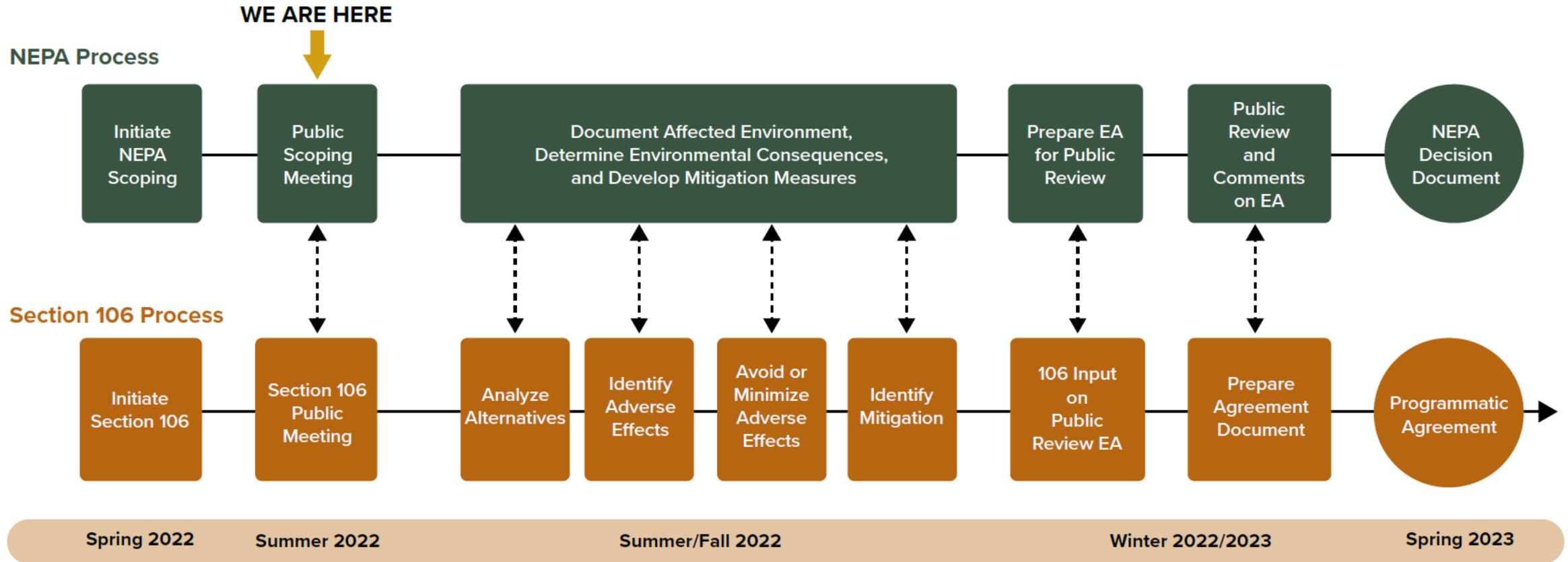


Section 106 Consultation

NATIONAL HISTORIC PRESERVATION ACT



NEPA+SECTION 106: A COORDINATED APPROACH





06

IDENTIFICATION OF HISTORIC PROPERTIES

Key



Area of Potential Effects



Washington Monument and Grounds Historic District



East and West Potomac Parks Historic District



National Mall Historic District



Arlington National Cemetery Historic District



George Washington Memorial Parkway



Mount Vernon Memorial Highway Historic District

Individually Listed Resources

- A. Arlington Memorial Bridge
- B. Martin Luther King Jr., Memorial
- C. Franklin Delano Roosevelt Memorial
- D. Thomas Jefferson Memorial

 Poposed extent of seawall project



DRAFT AREA OF POTENTIAL EFFECTS



East and West Potomac Parks Historic District



- Listed NRHP 1973; revised 2001
- Criteria A & C
- POS: 1882 – 1997
- Contributing resources:
 - Stone seawalls
 - Japanese cherry trees



NATIONAL MALL AND WASHINGTON MONUMENT AND GROUNDS HDS



1919 (LOC)

National Mall HD:

- NRHP HD Listed 1966; Expanded 2016
- POS: 1791 to present under Criterion A
- POS: 1791 to 1965 under Criteria C & D
- 60 Contributing Resources:
 - Tidal Basin and walls
 - Japanese cherry trees

Washington Monument and Grounds HD:

- NRHP HD Listed 1981; Expanded 2016
- POS: 1848 – 1889
- 22 Contributing Resources:
 - Tidal Basin cherry trees



GEORGE WASHINGTON MEMORIAL PARKWAY AND MOUNT VERNON MEMORIAL HIGHWAY HD



GWMP:

- NRHP listed 1995; VLR listed 1991
- POS: 1930 – 1966
- Constructed 1932 (parts of MVMH) – 1965
- Part of the McMillan Commission, first proposed in 1902

MVMH HD:

- NRHP listed 1981; VLR listed 1981
- POS: 1929 – 1932
- Constructed 1929 – 1932
- First parkway project undertaken by US Government



1994 HAER (LOC)



ARLINGTON NATIONAL CEMETERY HD AND ARLINGTON MEMORIAL BRIDGE



1934 (LOC)

Arlington National Cemetery:

- NRHP HD Listed 1966; Expanded 2014
- Criteria A, B, and C
- POS: 1864 – Present

Arlington Memorial Bridge:

- NRHP Listed 1979
- POS: 1923 – 1932
- Constructed 1926 – 1932
- McKim, Mead, and White
- Renovated 2018 – 2020





MLK/FDR/JEFFERSON MEMORIALS

Martin Luther King, Jr. Memorial:

- Dedicated 2011
- Master Lei Yixin, Sculptor
- ROMA Design Group

Franklin Delano Roosevelt Memorial:

- Dedicated 1997
- Lawrence Halprin, Robert Marquis, and various sculptors

Thomas Jefferson Memorial:

- 1937 – 1943
- John Russell Pope, Architect
- Rudolph Evans, Sculptor

All National Memorials are listed in NRHP upon their creation.



c. 1941 (LOC)



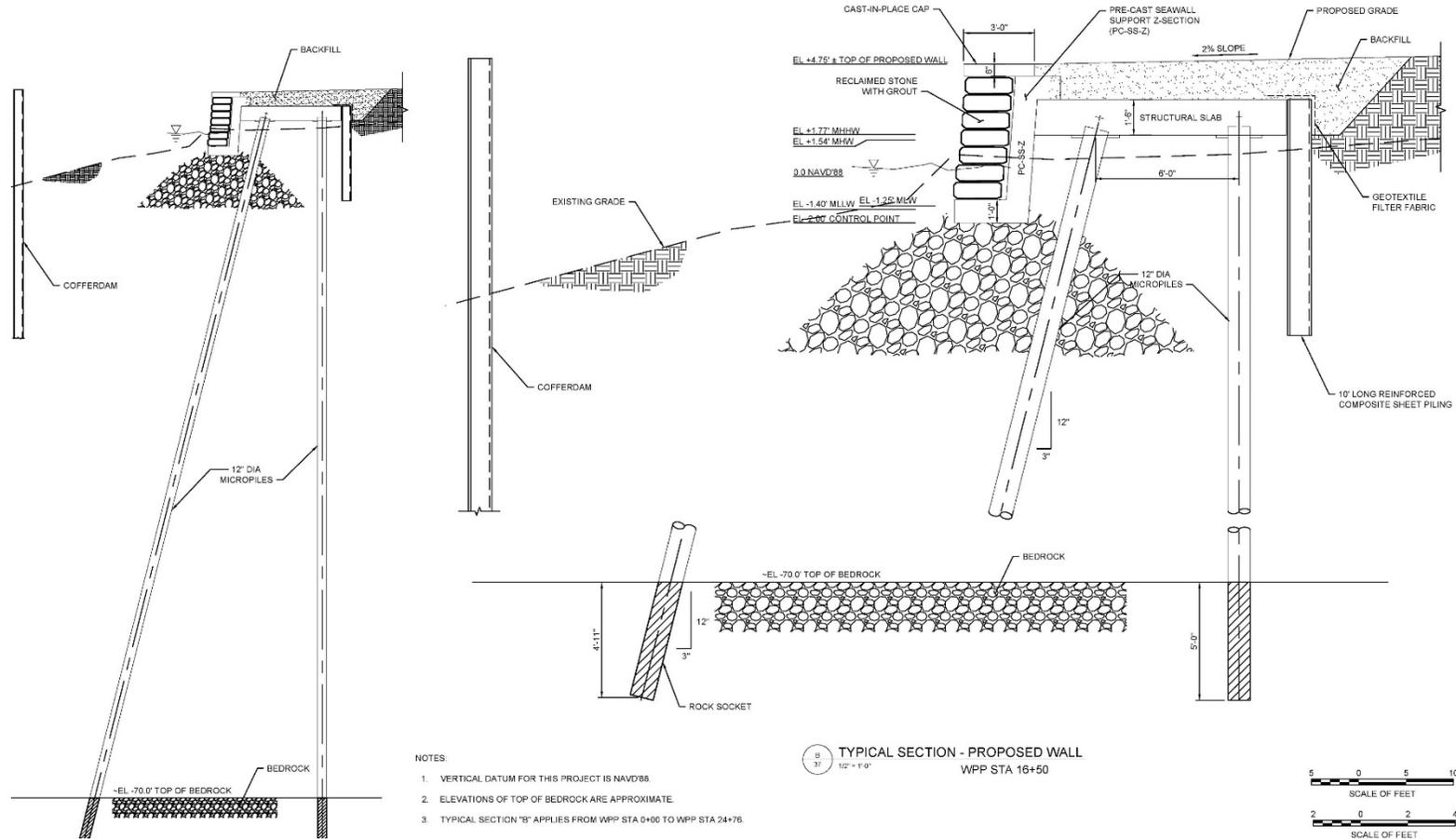


07

PRELIMINARY CONCEPTS

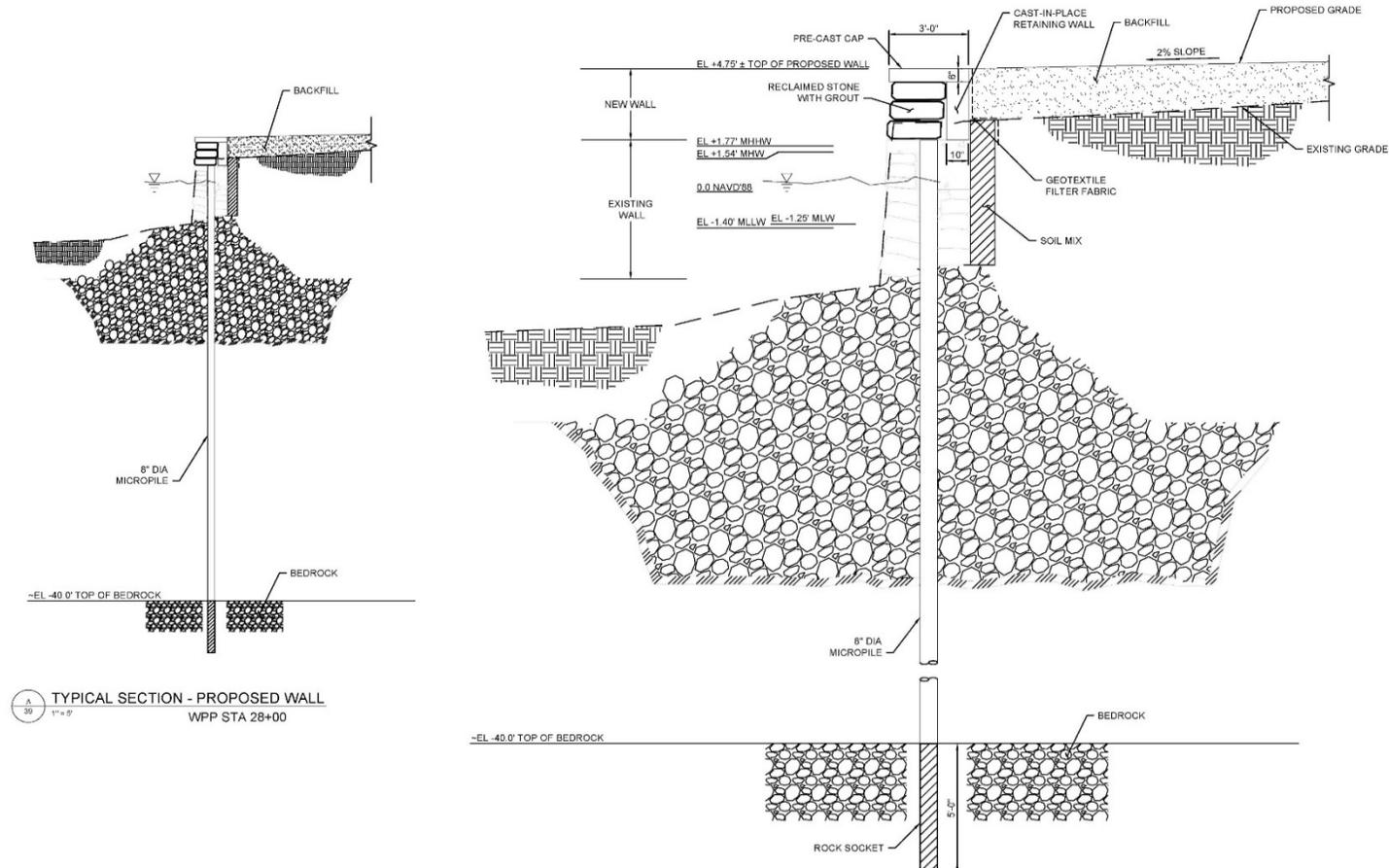


INITIAL SECTION: TIDAL BASIN & WPP SOUTH



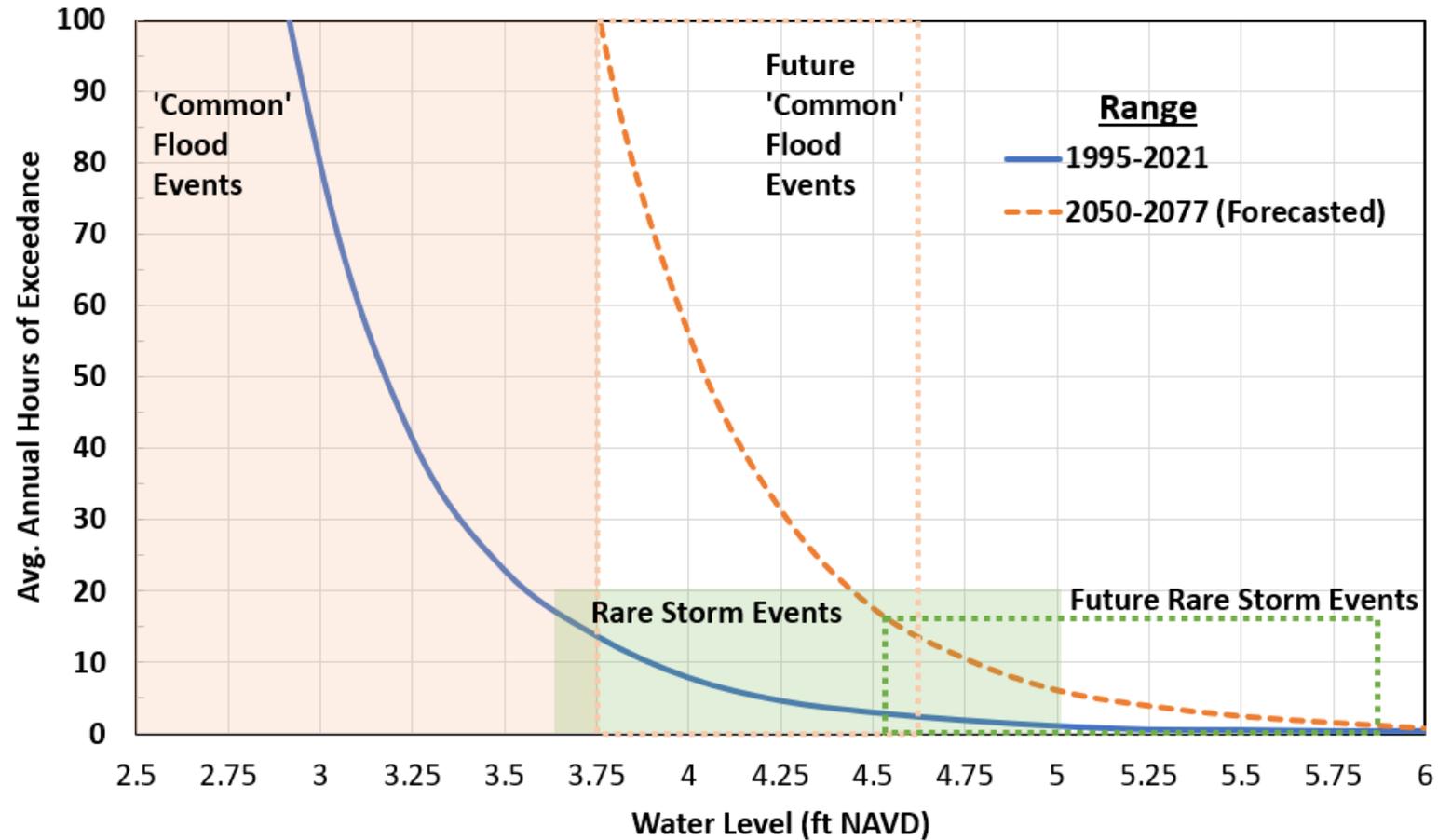


INITIAL SECTION: WPP NORTH

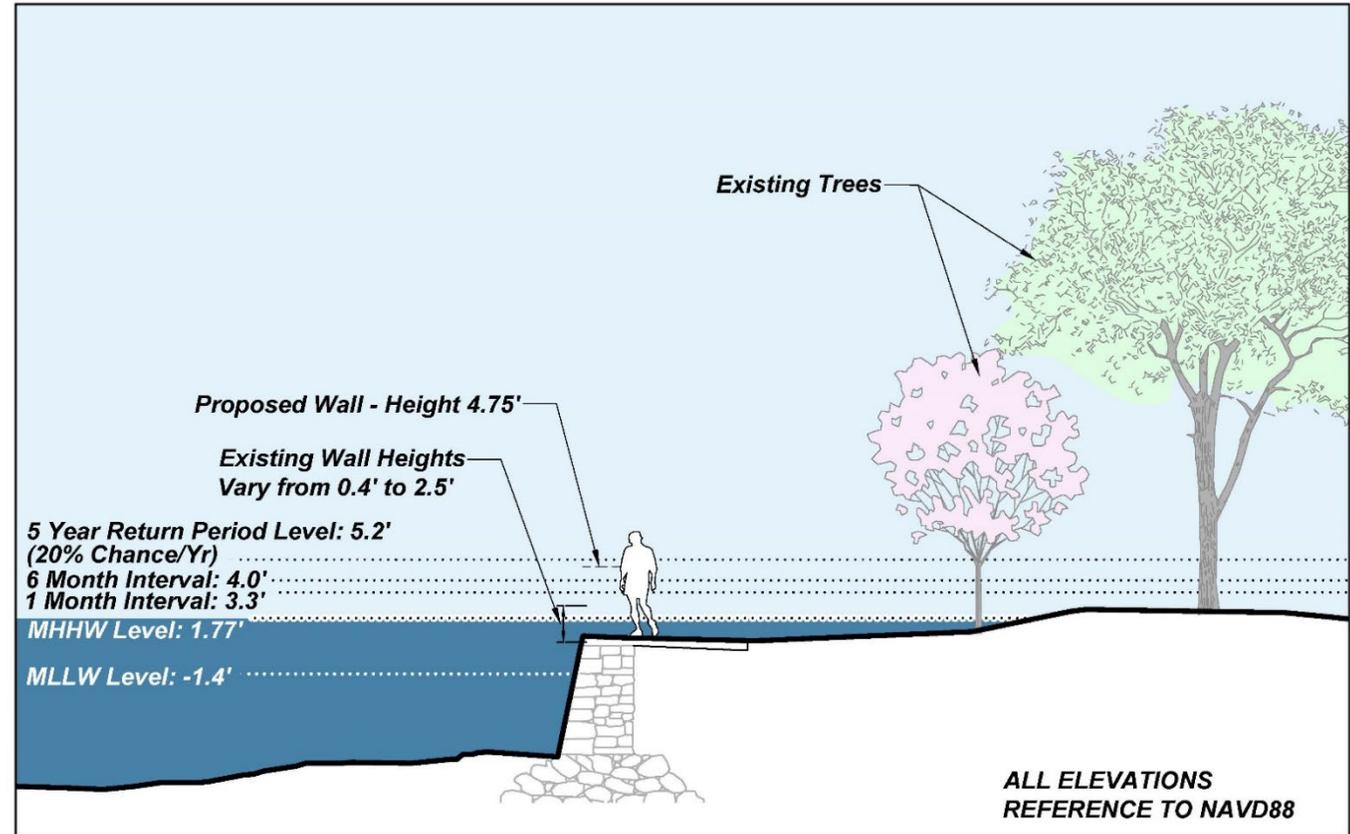




ESTABLISHING WALL HEIGHT



TIDAL BASIN EAST



SCALE: 1/8" = 1'-0"
SECTION 1

EXISTING CONDITIONS (TYPICAL)

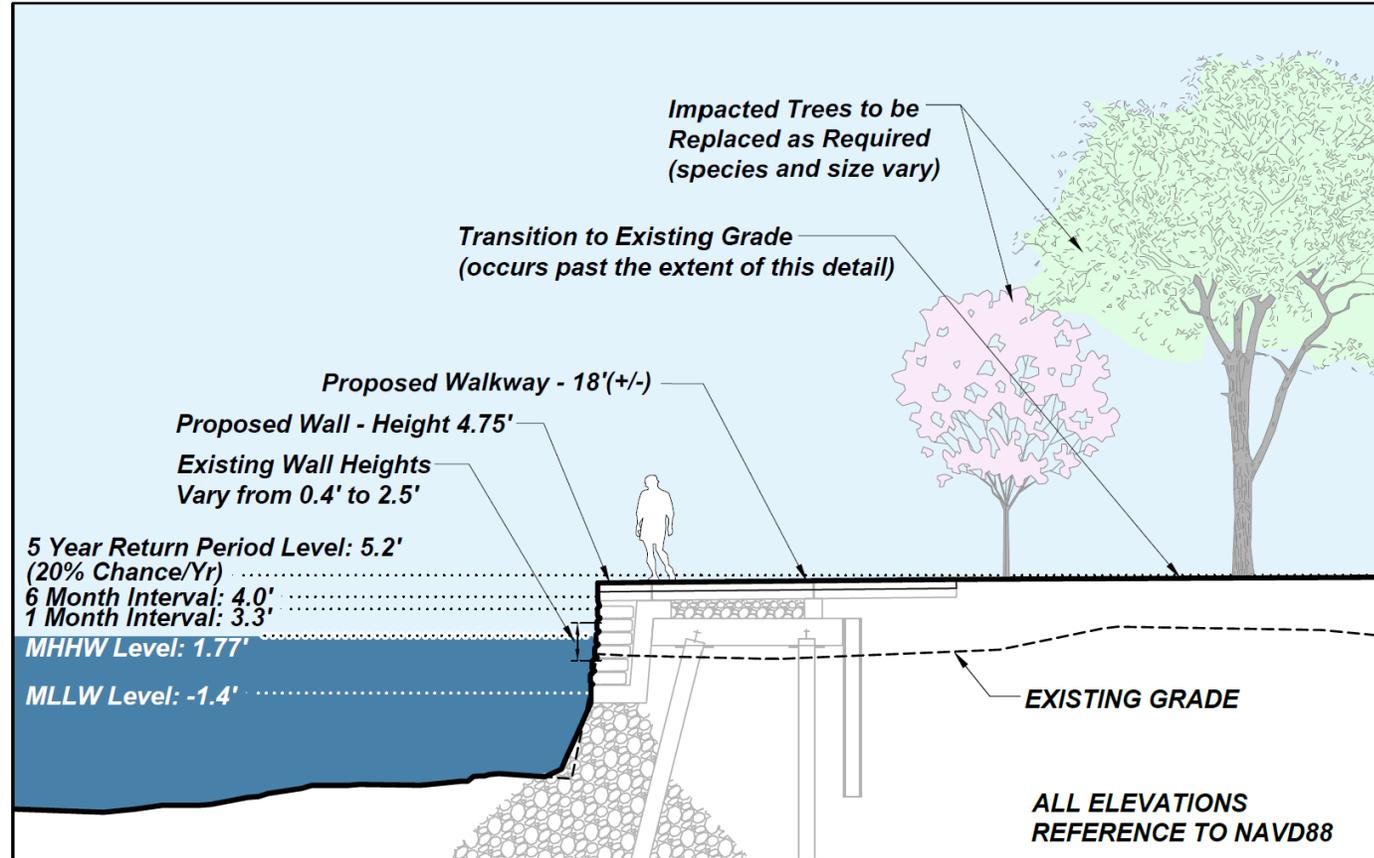
Tidal Basin - East

(Visualization for Planning Purposes Only)

*Mean Higher High Waters (MHHW) | Mean Lower Low Waters (MLLW)



TIDAL BASIN EAST



SCALE: 1/8" = 1'-0"
SECTION 2

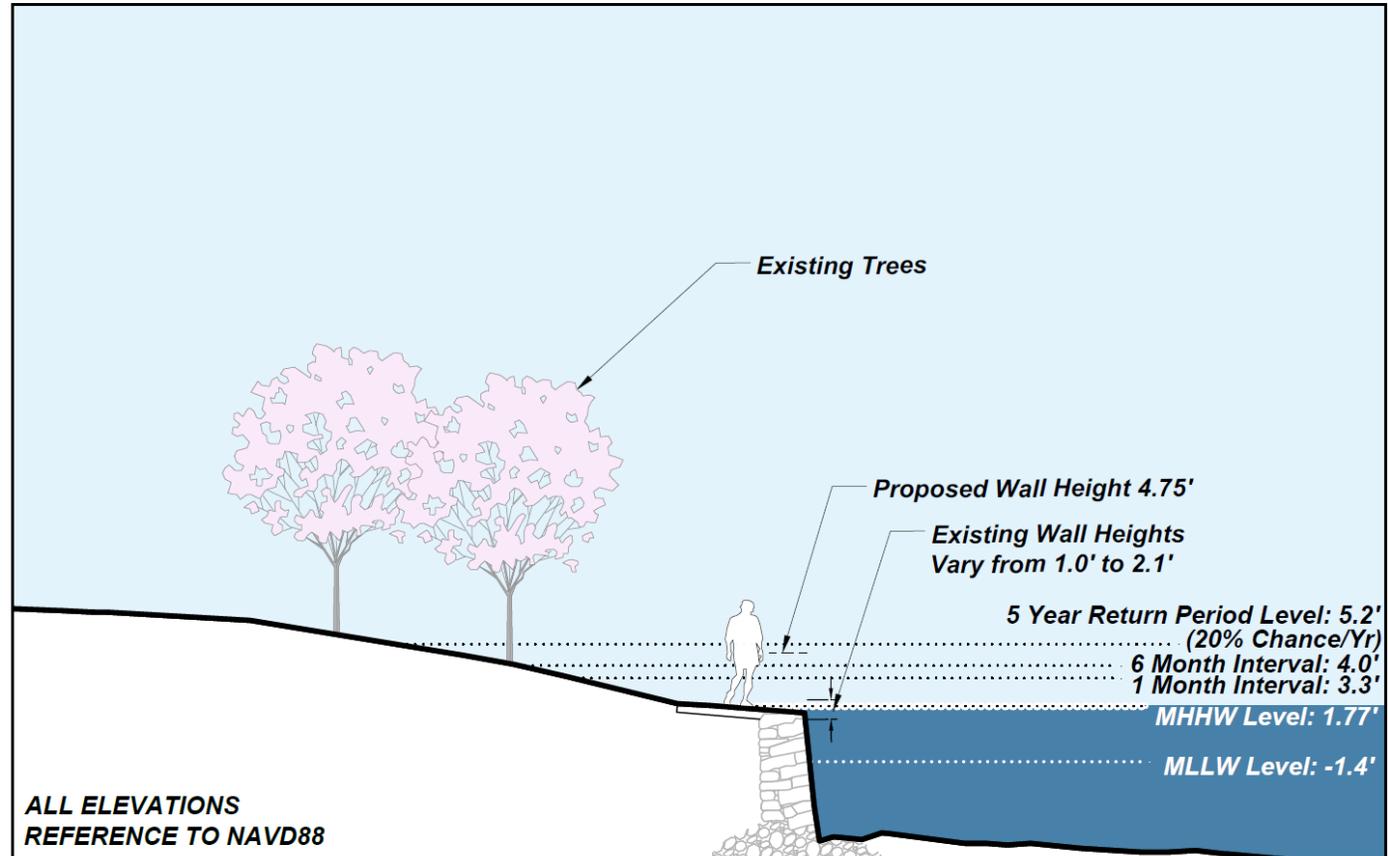
PROPOSED CONDITIONS (TYPICAL)

Tidal Basin - East

(Visualization for Planning Purposes Only)



TIDAL BASIN WEST



SCALE: 1/8" = 1'-0"
SECTION 3

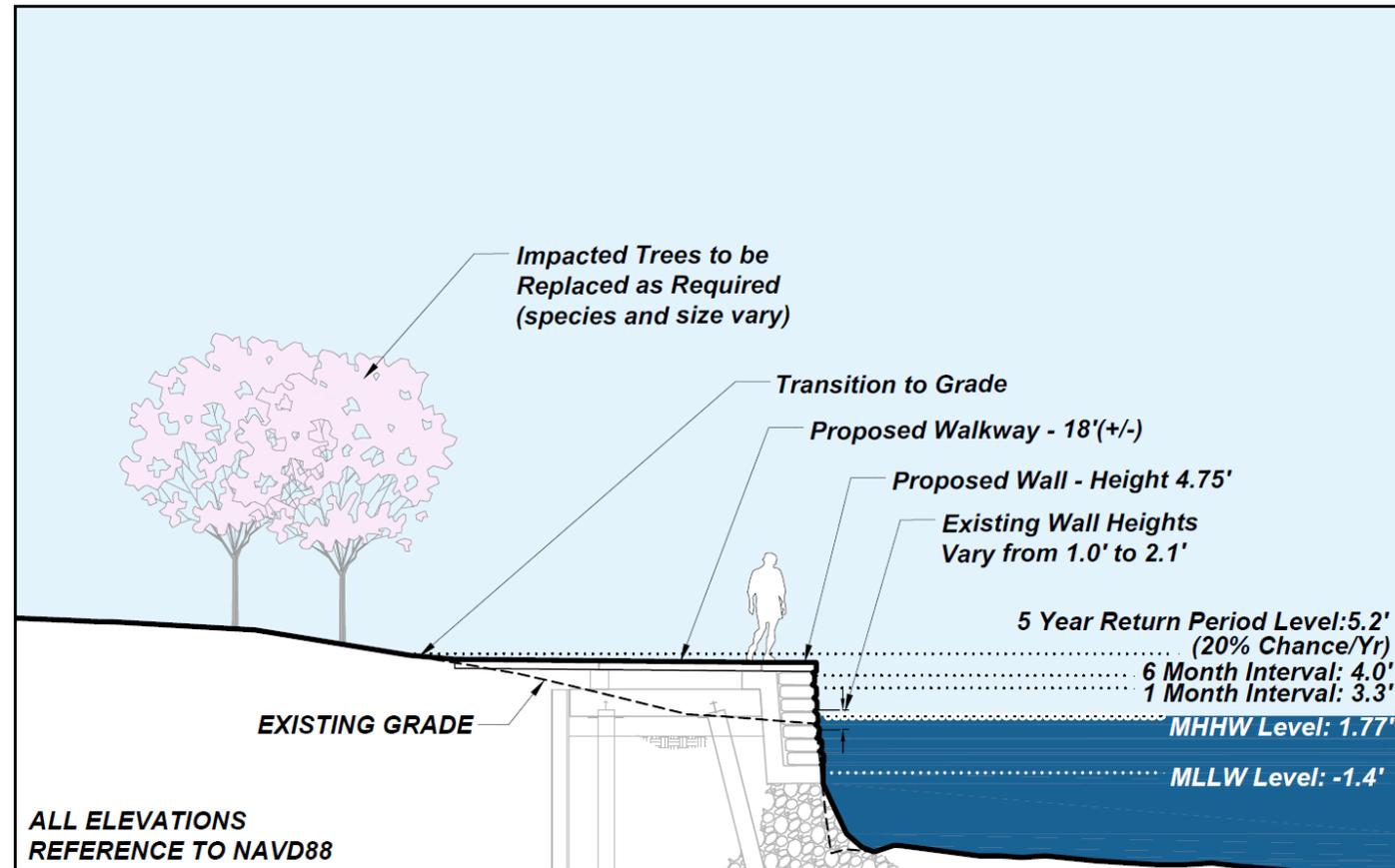
EXISTING CONDITIONS (TYPICAL)

Tidal Basin - West

(Visualization for Planning Purposes Only)



TIDAL BASIN WEST



SCALE: 1/8" = 1'-0"
SECTION 4

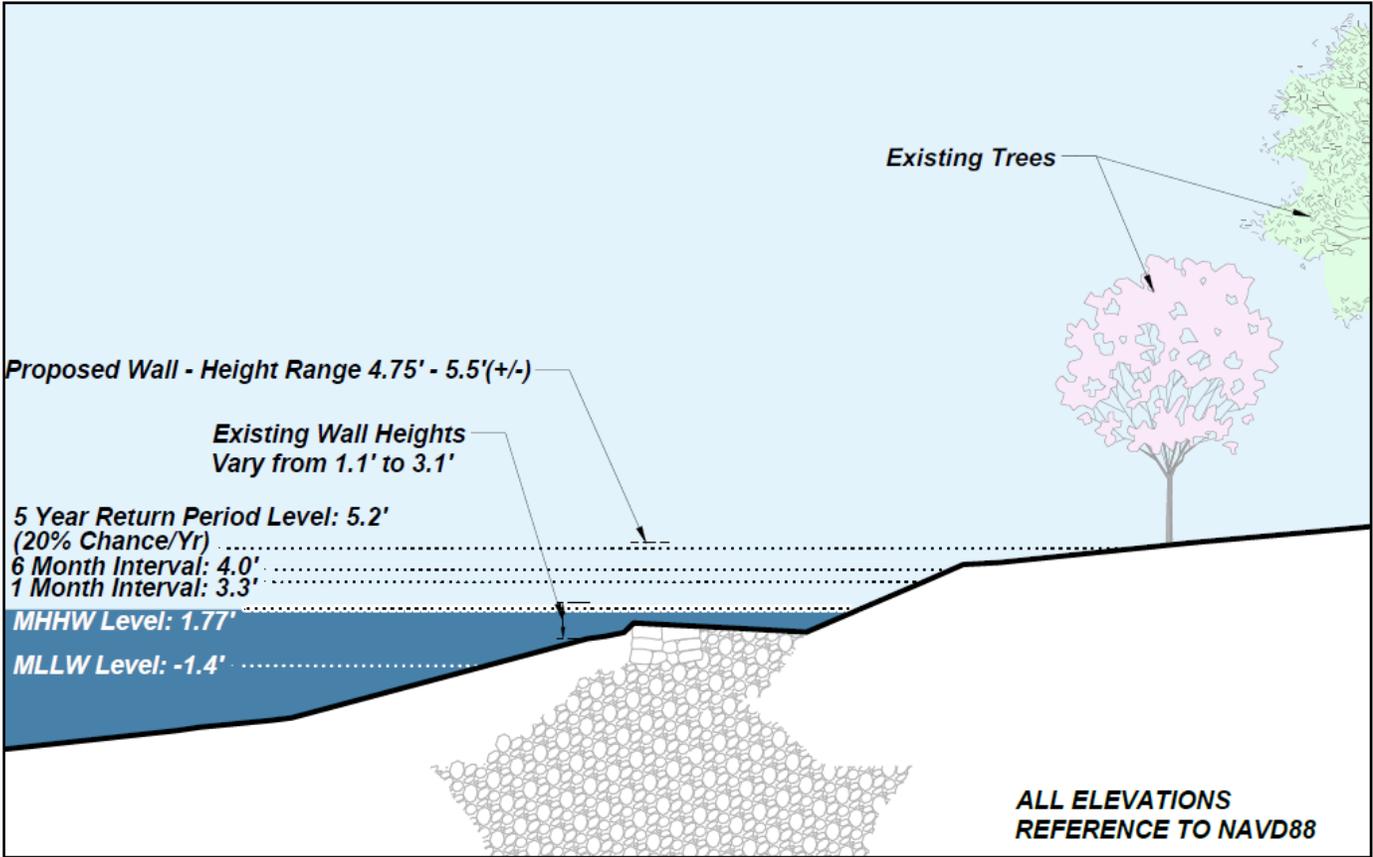
PROPOSED CONDITIONS (TYPICAL)

Tidal Basin - West

(Visualization for Planning Purposes Only)



WEST POTOMAC PARK SOUTH

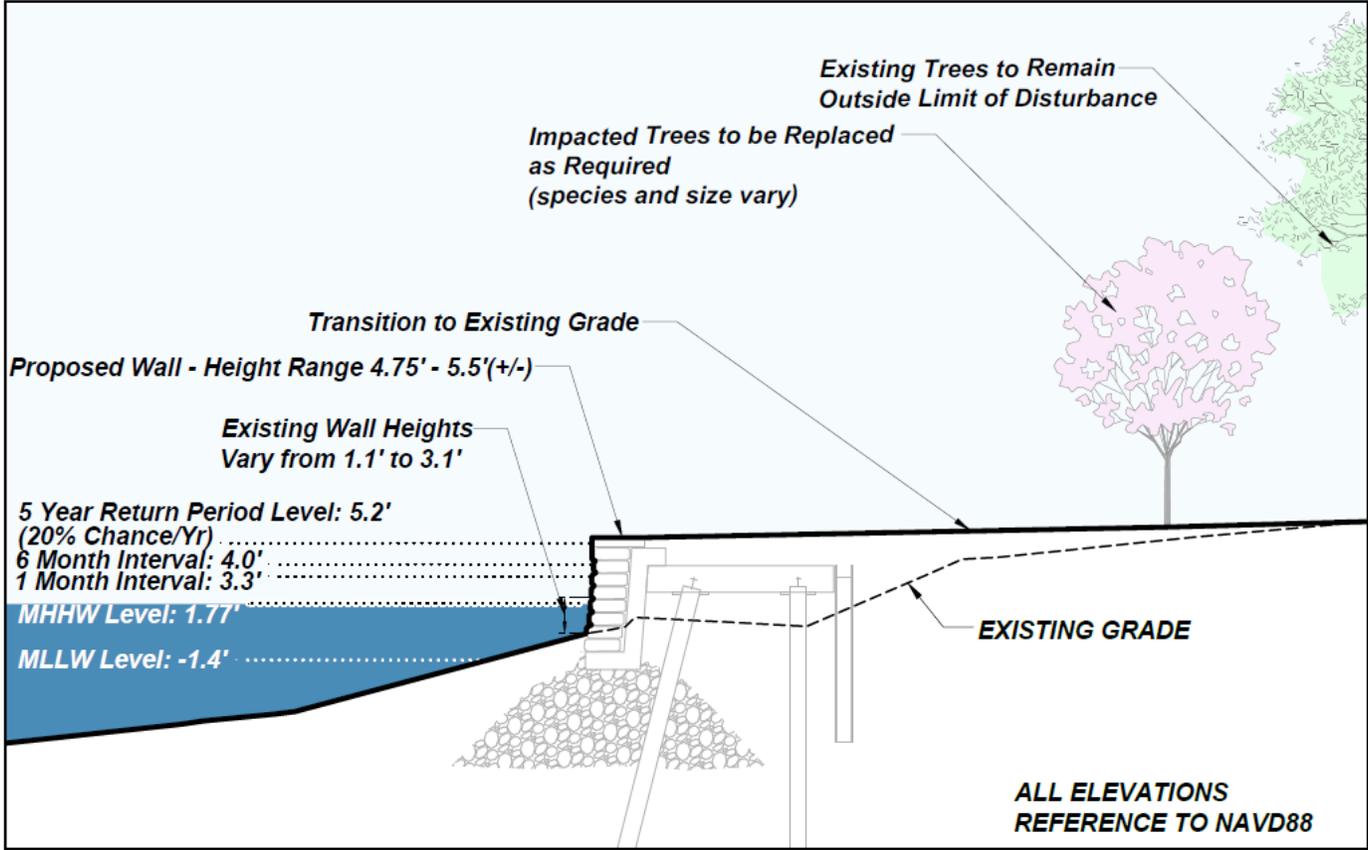


SCALE: 1/8" = 1'-0"
SECTION 7

EXISTING CONDITIONS (TYPICAL)
West Potomac Park - South
(Visualization for Planning Purposes Only)



WEST POTOMAC PARK SOUTH



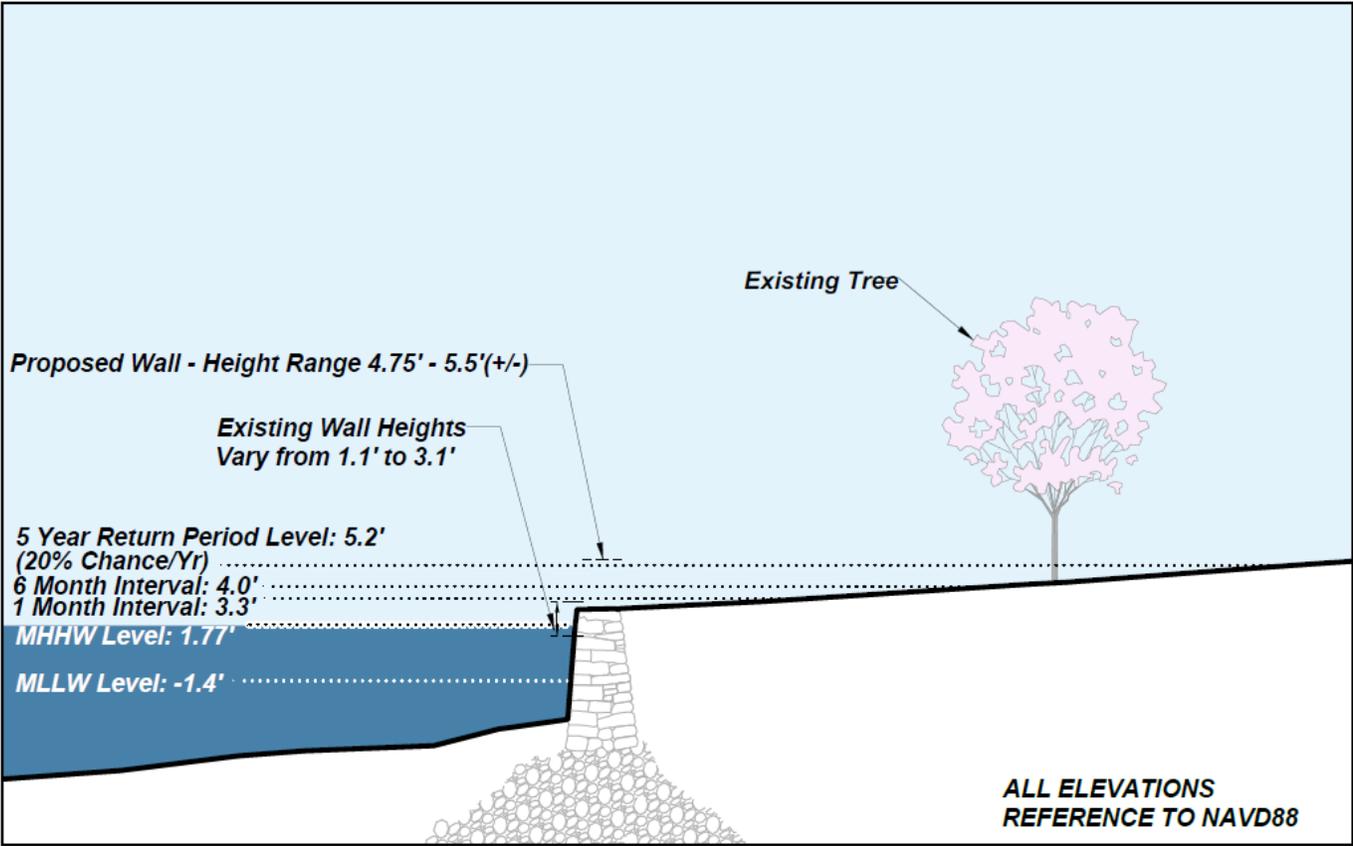
PROPOSED CONDITIONS (TYPICAL)
West Potomac Park - South
(Visualization for Planning Purposes Only)

SCALE: 1/8" = 1'-0"
SECTION 8

**Hydraulic analysis ongoing*



WEST POTOMAC PARK NORTH

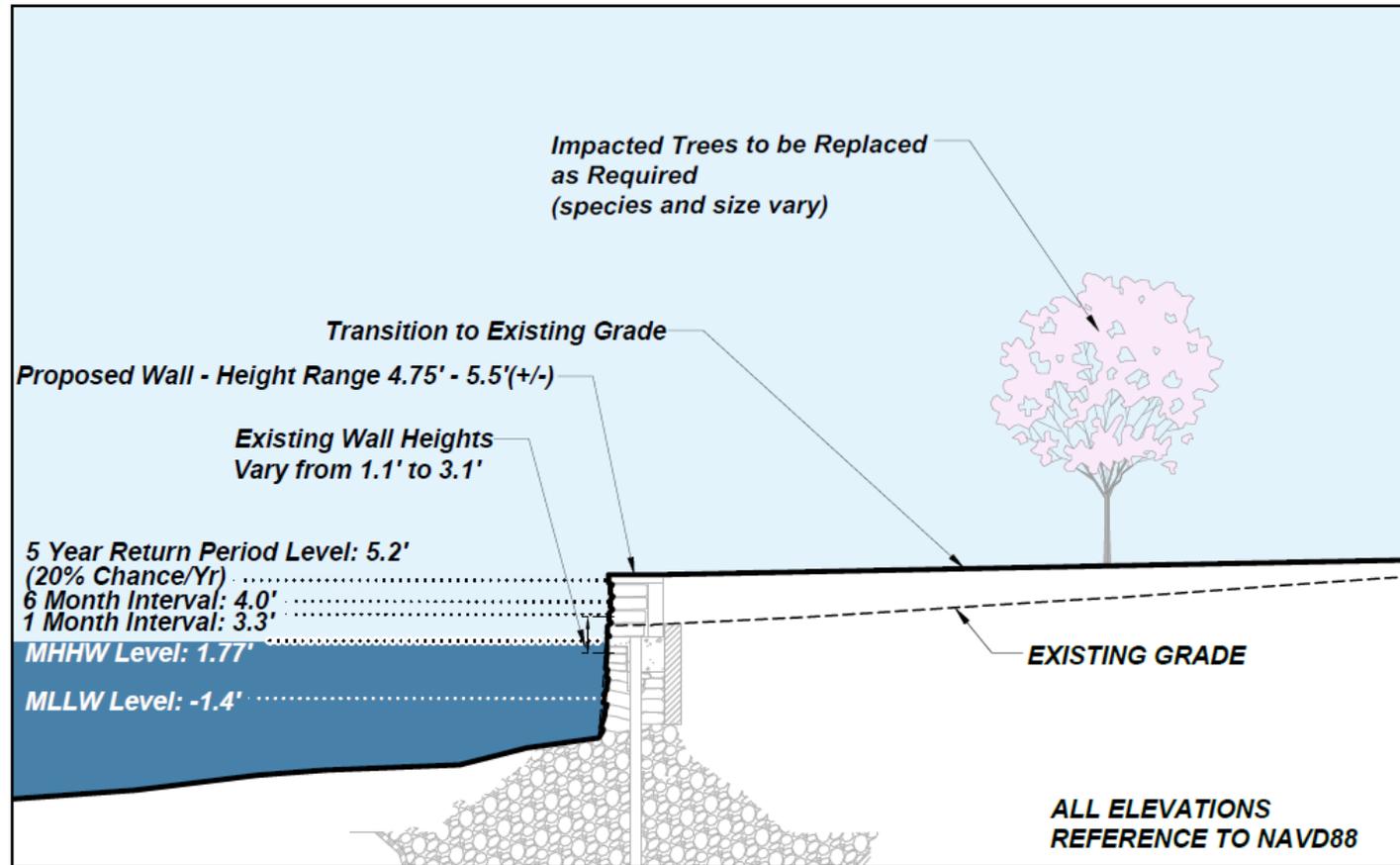


SCALE: 1/8" = 1'-0"
SECTION 5

EXISTING CONDITIONS (TYPICAL)
West Potomac Park - North
(Visualization for Planning Purposes Only)



WEST POTOMAC PARK NORTH



SCALE: 1/8" = 1'-0"
SECTION 6

PROPOSED CONDITIONS (TYPICAL)
West Potomac Park - North
(Visualization for Planning Purposes Only)





08

DISCUSSION, QUESTIONS, AND
COMMENTS



CONSULTING PARTY COMMENTS

- Consulting party comments are requested by September 12, 2022
- Comments can be provided in multiple ways:
 - At this meeting
 - Submit at the National Parks Service Seawall Rehabilitation Project Website
<https://parkplanning.nps.gov/SeawallRehabilitation>
 - Correspondence addressed to:

Jeffrey Reinbold
Superintendent
NPS – National Mall and Memorial Parks
900 Ohio Drive, SW
Washington, DC 20024





09

NEXT STEPS



NEXT STEPS

Spring-Winter 2022 2023 2024 2025 2026 2027

Site Investigations - 4 months



Environmental Assessment (EA) - 13 months



Public/Agency Scoping
7/9/22-9/12/22

Public Comment Period

EA Release

Decision Document

Section 106 Consultation - 11 months



Programmatic Agreement

Targeted Contract Award and Construction Timeline - 36 months



Tidal Basin Construction

West Potomac Park Construction





THANK YOU!