

National Park Service

U.S. Department of the Interior

National Mall and Memorial Parks



Rehabilitation of Tidal Basin and West Potomac Park Seawalls

Section 106 Assessment of Effects

Cultural Resources

December 2022 DRAFT



NOTE TO REVIEWERS AND RESPONDENTS

Comments on this Assessment of Effects Report may be submitted electronically to the National Park Service, or you may mail written comments by January 6, 2023, to the address listed below.

Before including personal identifying information in your comment, you should be aware that your entire comment – including your personal identifying information – may be made publicly available at any time. While you can ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so.

**Attn: Seawall Rehabilitation AOE Comments
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Acronyms and Abbreviations

APE	Area of Potential Effect
AOE Report	Assessment of Effects Report
CFR	Code of Federal Regulations
DC HPO	District of Columbia Historic Preservation Office
DHR	Virginia Department of Historic Resources
EA	Environmental Assessment
GW Parkway	George Washington Memorial Parkway
HD	Historic District
MVMH	Mount Vernon Memorial Highway
NEPA	National Environmental Policy Act of 1969
NPS	National Park Service
NRHP	National Register of Historic Places
Section 106	Section 106 of the National Historic Preservation Act of 1966
USACE	US Army Corps of Engineers

INTRODUCTION

The National Park Service (NPS) is developing a design for the rehabilitation of portions of the failing Tidal Basin and West Potomac Park seawalls in the National Mall and Memorial Parks (Park) in Washington, DC. As a federal undertaking, this project is subject to Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations (36 Code of Federal Regulations [CFR] Part 800) “Protection of Historic Properties” (Section 106). This Assessment of Effects Report (AOE Report) describes the project (the proposed undertaking) and the no-action alternative, and analyzes potential adverse effects on historic properties, including archeological resources, within the project area. It has been prepared as part of the continuing consultation process between the NPS, the District of Columbia Historic Preservation Office (DC HPO), and Virginia Department of Historic Resources (DHR).

Section 106 consultation for the rehabilitation of the seawalls was initiated with DC HPO, DHR, and Federally Recognized Tribes in letters dated May 19, 2022 (see **Appendix A**). The letters were delivered to:

Absentee Shawnee Tribe of Indians of Oklahoma Nation
Catawba Indian Nation
Cherokee Nation
Chickahominy Indian Tribe
Chickahominy Tribe Eastern Division
Delaware Nation
Monacan Indian Nation
Nansemond Indian Nation
Pamunkey Indian Tribe
Rappahannock Tribe
Shawnee Tribe
Upper Mattaponi Indian Tribe

As part of the Section 106 process, the NPS has developed this AOE Report to document the identification of historic properties and cultural landscapes in support of the Tidal Basin and West Potomac Park seawalls project. As defined in 36 CFR Part 800.16(l)(1), a historic property means any prehistoric or historic district, site, building, structure, or object listed or eligible for listing in the National Register of Historic Places (NRHP). The identification of historic resources was undertaken within the Area of Potential Effect (APE) established for the project. The APE was previously presented to the Consulting Parties at the first consulting party meeting held virtually on August 2, 2022. The full presentation and formal comments received can also be found in **Appendix A**. Work for this AOE Report was directed and conducted by staff that meet the *Secretary of the Interior’s Professional Qualifications Standards* (36 CFR Part 61) in the disciplines of Historic Preservation and Architectural History.

Concurrently, the NPS is preparing an Environmental Assessment (EA) to assess alternatives and their potential impacts on the environment in accordance with the National Environmental Policy Act (NEPA) of 1969, as amended. The EA and AOE Report will be made available for public comment.

DESCRIPTION OF UNDERTAKING

Purpose and Need

The purpose of the undertaking is to restore the historic functional height of approximately 6,800 linear feet of seawalls (**Figure 1**), restore the cultural landscape, improve visitor experience along the shorelines, stabilize and eliminate settlement of the seawalls, minimize soil erosion and safety hazards, and provide some flood protection. The undertaking is primarily needed because the existing structural deficiencies of the seawalls negatively impact the experience and safety of Park visitors and allow brackish water to drown out vegetation affecting the landscape.



Figure 1: Project Area Map

No Action Alternative

In the years since their construction, the seawalls have significantly settled and been compromised, leading to overtopping of the seawalls in some sections twice daily during normal tidal conditions which does not dissipate in a timely manner due to poor drainage. This has led to reduced public access, damage to historic cultural landscapes and Park infrastructure, resulting in negative impacts to visitor use and experience. When the water does recede, the overtopped areas are littered with wood debris and other trash from the river that often collides with and damages the seawalls. The debris and trash are not only unsightly, but they cause further deterioration and failure. The failing seawalls, standing water, and debris are concerns for visitor safety. The Tidal Basin and West Potomac Park experience thousands of visitors every day of the year with peak visitation during the spring with the blooming of the Japanese cherry trees. The current condition of the seawalls affect visitor use and visitor experience

as the pedestrian trails in many areas have degraded, and the uneven terrain creates trip and fall hazards. Portions of the trails are regularly inaccessible due to standing water, mud, and debris left behind from daily high tides. NPS staff expend significant resources and costs to remove the debris load after each overtopping event. The inundation extends inland in many areas causing degradation and loss of Japanese cherry trees and other significant landscape features along the Tidal Basin. This damage is expanded by social trails through the trees and landscaped areas created by visitors as a means to get around the inundation on the concrete trails.

Under the No Action Alternative, the undertaking would not be implemented. The walls and shoreline would continue to deteriorate and settle over time, resulting in increased flooding and failure events. Beyond this, the No Action Alternative would result in continued degradation of the cultural landscape, including the Japanese cherry trees and other significant landscape features along the Tidal Basin, thereby negatively impacting historic resources. Eventually, without intervention, the damage will expand, threatening the memorials and monuments surrounding the Tidal Basin and the expanding loss of land in West Potomac Park will threaten more of the historic landscape and infrastructure. The NPS would continue emergency maintenance and management operations with regard to the seawalls as available staff and funding permit, and visitor experience would increasingly be impacted. In addition, the areas barricaded due to safety hazards would be expanded further reducing the visitor's access, recreation, and experience.

Action Alternative: Seawall Rehabilitation

This proposed undertaking would rehabilitate approximately 6,800 linear feet of the failing seawall including the Tidal Basin seawall from the Inlet Bridge to the Jefferson Memorial and to near the Roosevelt Memorial, as well as the full length of the West Potomac Park seawall. The existing stone masonry seawall would be removed and reconstructed along the historic alignment and to the original historic functional height. Designs include foundations that bear on bedrock, relieving the weight of the structure on the alluvial soils that caused the previous settlement. This type of foundation allows additional capacity for the walls to be raised vertically in response to future sea level rise and increasing storm surge elevations. To the extent possible, the stones of the historic wall would be salvaged and reused in the rehabilitation of these seawalls. The walkways would also be repaired or replaced to reestablish the character of the Park and the visitor experience. The rehabilitated walkway would connect to existing pedestrian walkways providing a seamless and accessible route to the rehabilitated seawall.

The seawall rehabilitation project would correct deficiencies in the upland area behind the walls as well. Grading would be adjusted for the elevated seawall height and to reestablish natural, gravity sheet flow runoff by eliminating the pockets of settlement that have developed. The additional elevation and regrading of these areas would eliminate the daily inundation of the tides, reduce the impact of, and provide positive drainage of the more extreme water events allowing for the cultural landscape of the Park to be restored. While regrading the upland to allow for positive runoff would result in the elimination of a number of trees, new, more resilient vegetation would be planned.

Given the current conditions described above, the Tidal Basin and West Potomac Park seawalls need to be engineered and re-built to be resilient to changing climate patterns, including storms of greater

intensity and frequency which are prevalent in the National Capital Area. Otherwise, the NPS would continue losing the seawall systems, and the land behind them, into the Tidal Basin or Potomac River. Rehabilitating the seawalls to their historic functional height would help keep these areas from flooding during normal tidal events and minor flood stage events, would help prevent continued loss of land to the water, and would restore the cultural landscapes and viewsheds to their intended and historic aesthetic. **Figures 2 and 3** below demonstrate the existing condition and the proposed rehabilitation wall to its historic functional height.

This project directly addresses condition deficiencies on high priority assets by rebuilding portions of two seawall systems and returning these assets to the historical functional height. It is important to note, that this project only rehabilitates a portion of the total seawall length in areas managed by the National Mall and Memorial Parks. This project would increase the percentage of total park area that is open and safely accessible for public visitation and Park staff. Just as importantly, at the end of all construction phases, a significant amount of deferred maintenance backlog across these systems would be eliminated.

Further detail on the Action Alternative can be found in **Appendix B**.

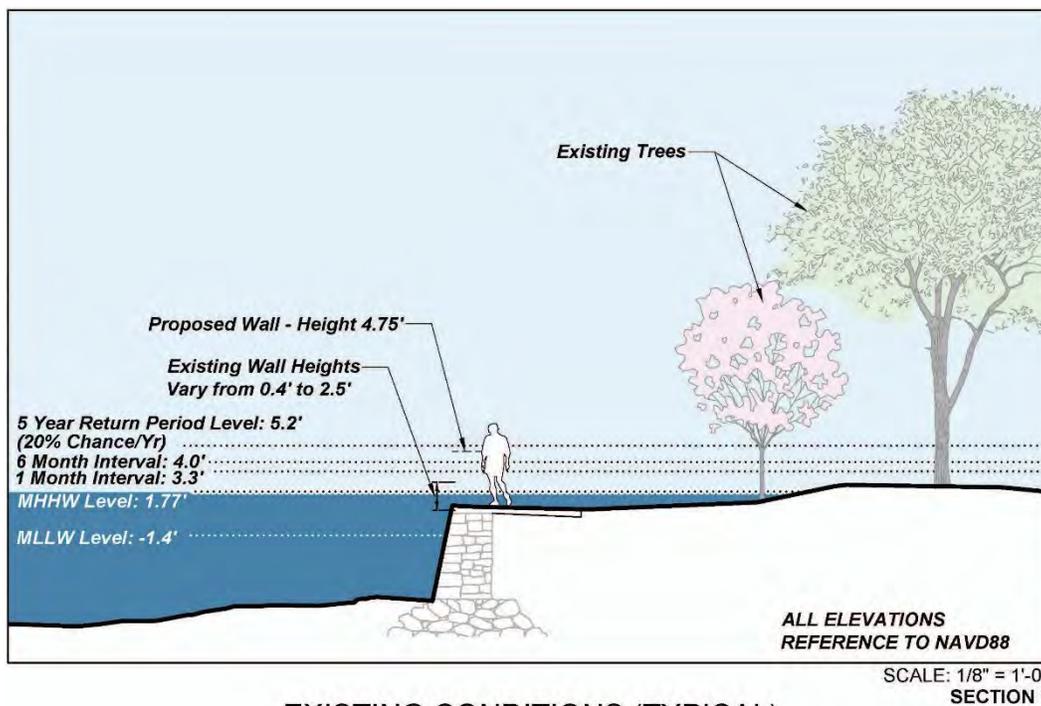
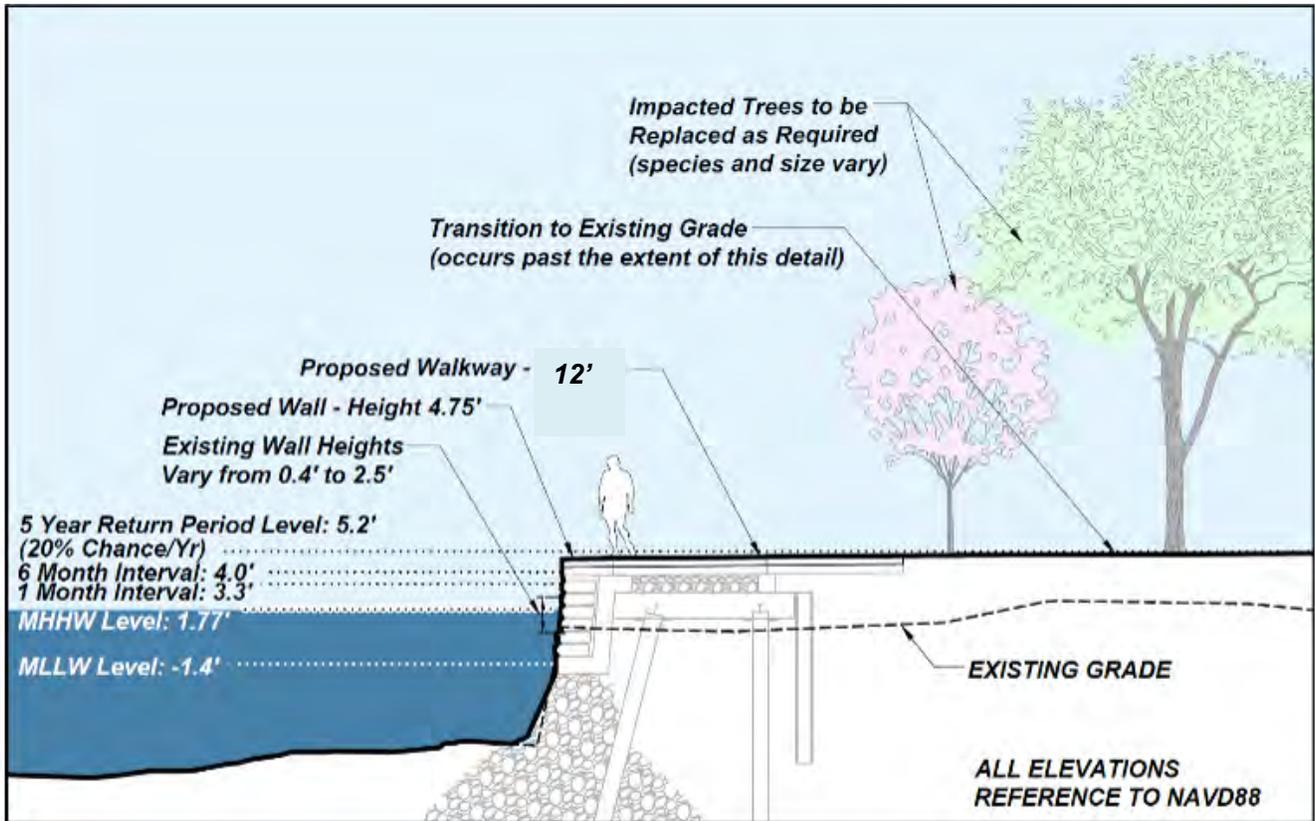


Figure 2: Existing Conditions Tidal Basin East



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

PROPOSED CONDITIONS (TYPICAL)
Tidal Basin - East
(Visualization for Planning Purposes Only)

Figure 3: Proposed Seawall Rehabilitation Tidal Basin East

HISTORICAL SUMMARY OF PROJECT AREA

The seawall systems included within this project date from the late 1800s to early 1900s. During this timeframe, the United States Army Corps of Engineers (USACE) conducted a large-scale dredging operation within the Potomac River to improve navigation along the river adjacent to Washington, DC. The land reclamation project was part of a larger, national movement to sanitize, expand, and beautify polluted, dense, and urban landscapes in the late nineteenth century. Though not originally part of L'Enfant's Plan for the City of Washington in 1791, the surrounding extant land was identified as the monumental core for the Federal City. This was reiterated in the 1901 – 1902 McMillan Senate Park Commission, which applied the City Beautiful principles with emphasis on monuments and buildings connected by open spaces and pathways, so visitors have ample access to light and air.

As early as 1866, dredging began to improve navigation and shipping channels. By 1875, the term Potomac Flats was introduced, though the reclaimed land was not formally declared a public park until 1897. Between 1882 and 1896, the USACE dredged more than twelve million cubic yards to create more than 600 acres of new land. The seawalls were ultimately constructed to retain the dredged material. The reclaimed lands were transferred from the USACE to the Office of Public Buildings for further development and in 1933, the NPS assumed management of East and West Potomac Parks.

The seawalls in the project area are divided into four distinct sections: Tidal Basin East, Tidal Basin West, West Potomac Park South, and West Potomac Park North (**Figure 4**).



Figure 4: Four Distinct Seawall Sections

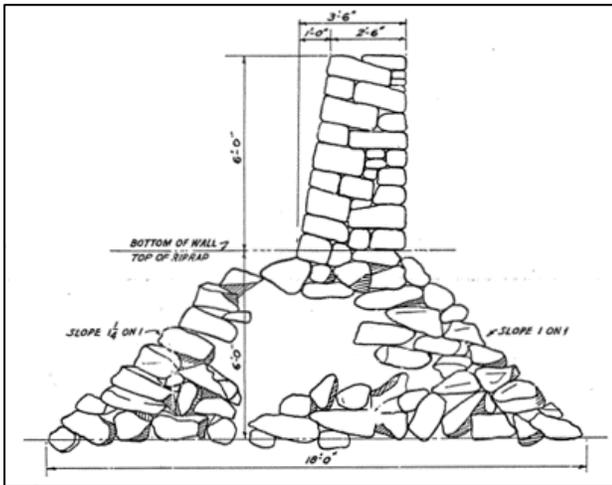


Figure 6: Original seawall design cross section (NPS, 1940)

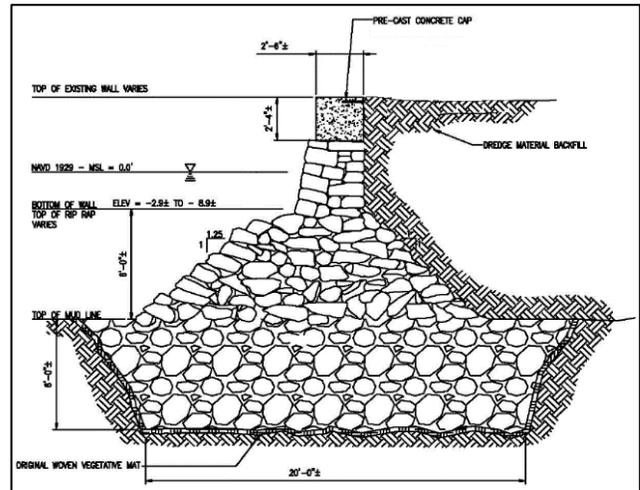


Figure 5: 1957 section of seawall (Dewberry, 2011)

The Tidal Basin East seawall dates to the early 1940s, as a portion of the Tidal Basin itself was adjusted to accommodate the construction of the Thomas Jefferson Memorial. The ca. 1940s portion features a concrete wall with historic stones along its outward face. This was blended into the adjacent dry stacked stone wall. The transition point is almost imperceivable.

The Tidal Basin West wall was reconstructed in 1909, when the Inlet Bridge was constructed by the USACE. In 1941, an eight-inch thick concrete coping was added to the top. Like Tidal Basin East, in 1942 a railing was added but was removed at an unknown date.

West Potomac Park South seawalls are the oldest in the project area. The foundations were completed in 1884 and the top of the seawall completed in 1891; however, riprap and other fill like concrete and asphalt, have been periodically added to stabilize the wall or shoreline through the 1990s.

The newest section of the wall is the West Potomac Park North portion, which dates to 1957. PEPCO rebuilt this section of the wall (Figure 6) with a concrete cap. Excavation of the soil behind the wall in this area indicates that remnants of the historic wall may be up to five feet in height (Figure 7). It is currently unknown if there are any portions of the historic foundations remaining.

Area of Potential Effect

The APE is influenced by the scale and nature of an undertaking and may be different for different kinds of effects caused by the undertaking. The seawall rehabilitation stretches approximately 6,800 linear feet from Memorial Bridge to the Inlet Bridge and into the Tidal Basin. The overall project APE encompasses the entire



Figure 7: 1957 rebuilt seawall section in West Potomac Park North.

Tidal Basin and West Potomac Park, as well as land across the Potomac River in Virginia where the proposed seawall rehabilitation has the potential for visual impacts (**Figure 8**).

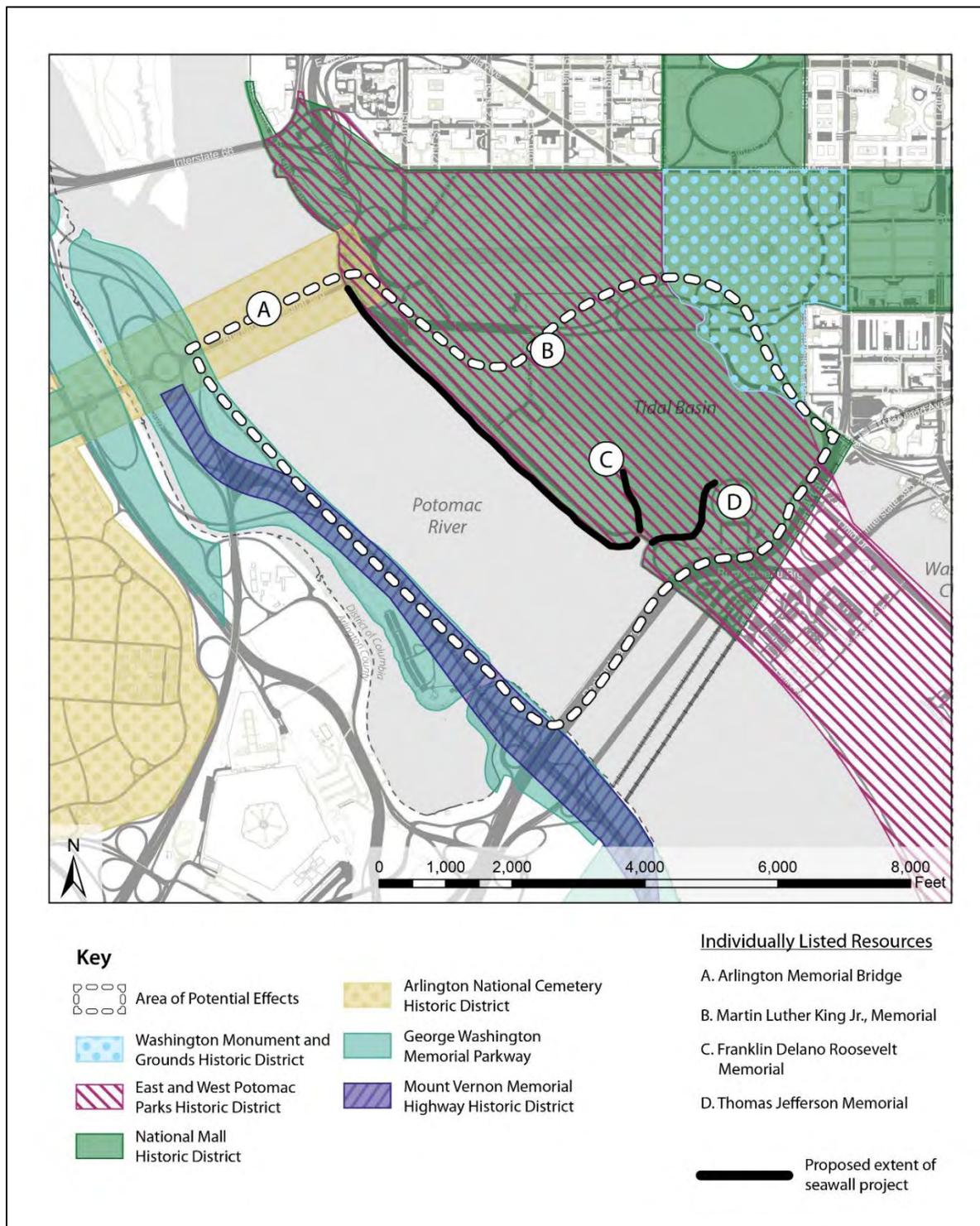


Figure 8: Historic Resources within the APE

EXISTING CONDITIONS

The seawalls along the Potomac River and Tidal Basin were created as part of a land reclamation project in the mid- to late nineteenth century. The project area includes portions of the Potomac River and Tidal Basin, seawalls, and adjacent shoreline. The project area extends inland to tie the raised seawall into the existing cultural landscape. The Tidal Basin West shoreline is tightly packed with a narrow pathway atop the extant seawall and dense trees, including iconic Japanese cherry trees. The Tidal Basin East portion of the project area is more open, with clusters of vegetation, though continuous flooding in this area has resulted in the deaths and removal of many trees. The Inlet Bridge separates the Tidal Basin from the Potomac River shoreline, but the bridge would not be altered as part of this undertaking.

The West Potomac Park shoreline gently slopes down from Ohio Drive SW and the adjacent trail towards the river. The seawall along the southern half of West Potomac Park has a less defined alignment as the wall structure in areas has failed and contemporary materials have been used as riprap to protect the exposed shoreline against erosion. Vegetation and historic trees are clustered throughout this area.

Based on existing GIS data from 2017, there are approximately 590 trees within the identified limits of the project area, ranging from deciduous trees, evergreens, and cherry trees. There are approximately 270 trees in the West Potomac Park project area, 200 trees in Tidal Basin East, and 120 trees in Tidal Basin West. Further detail on the existing trees and wall conditions can be found in **Appendix B**.

Significant expanses of land are inundated after common and extreme weather events, threatening historic resources and Park infrastructure. Portions of the walkway on top of the Tidal Basin seawall on either side of the Inlet Bridge are underwater twice daily, creating a hazardous condition for Park visitors. Due to the settlement of the seawalls and adjacent land, and the subsequent decrease in elevation above mean water level, the overtopped areas do not drain effectively or quickly. When the water does recede, the overtopped areas are littered with wood debris and other trash from the river. The debris loads often collide with and damage the seawalls, which only accelerates their failure. Manmade litter, such as trash, plastics, and metals, are mixed into the woody debris which also leads to concerns for sanitation and health safety for Park visitors and NPS employees. Significant cost and effort are expended by NPS staff to remove the mud and debris after each overtopping event.

The mortar between the blocks of stone masonry in portions of the West Potomac Park seawall has eroded completely, and water seeps through these open joints during the normal ebb and flow of the river. When water returns to the river through the open joints, it carries dredged material back to the river. Over time, this has led to a significant loss of soil compromising the integrity of the seawall, resulting in failing wall sections and blocks of stone masonry falling into the river.

Historic Resources and Cultural Landscapes

The APE contains numerous overlapping historic properties and cultural landscapes; many resources contribute to multiple properties. Historic properties include archaeological, cultural landscapes and architectural resources.

Historic Resources

The APE includes six historic districts (HD), multiple cultural landscapes, and individually listed resources.

National Mall HD: The National Mall is one of the most significant public spaces in the United States and its design reflects two of the most significant plans for the Federal City, the L'Enfant Plan and the McMillan Plan. The National Mall is significant under Criteria A, C, and D; though the period of significance for Criteria C and D ends in 1965, the period of significance under Criterion A is open-ended. The National Mall contains a monument and numerous significant national memorials and landscapes, several of which fall within the APE. (NPS 2016)

- **Component Landscape Lincoln Memorial Grounds:** Though only the southwest corner of the 94-acre cultural landscape falls within the APE, the Lincoln Memorial Grounds is a significant cultural landscape. Numerous significant landscape architects made contributions to the formal landscaping of the Lincoln Memorial, including Frederick Law Olmsted, Jr., James L. Greenfield, Charles F. McKim, and Harry Bacon. Areas within the APE that contribute to the Lincoln Memorial Grounds are areas of passive recreation and the Ericsson Memorial. Two contributing vistas within the APE are to and from the Arlington House and to and from the Ericsson Memorial. (NPS 1999)
- **Component Landscape Washington Monument Grounds:** Historically known as U.S. Reservation 2, the Washington Monument is one of the country's most iconic landmarks sited at the center of the National Mall. The Washington Monument and Grounds were listed upon passage of the NHPA in 1966 and were formally documented in 1981 and its boundaries were expanded in 2016. The Tidal Basin Japanese cherry trees are a significant contributing resource to the landscape within the APE. (NPC 2016)
- **Component Landscape Tidal Basin:** The Tidal Basin is a significant designed landscape within the National Mall. As stated in the 2020 Cultural Landscape Report "designed vistas across the landscape visually and thematically connect many of the National Mall's key commemorative and governmental buildings. The landscape is also world-renowned for its Japanese cherry trees that bring in millions of visitors annually to the National Cherry Blossom Festival. (NPS 2020)

East and West Potomac Parks HD: Encompassing 730 acres of public parkland, East and West Potomac Parks was created by the large reclamation undertaking in the mid- to late nineteenth century by the USACE. The public lands provide spaces for both active and passive recreation, a monument and several memorials, as well as other significant cultural landscapes. The HD was listed in the NRHP in 1973 under Criteria A and C; additional documentation was accepted in 2001. Contributing resources within the APE include the Japanese cherry trees, seawalls, and the Inlet Bridge.

- **Component Landscape Lincoln Memorial Grounds (see above)**
- **Component Landscape Washington Monument Ground (see above)**
- **Component Landscape Tidal Basin (see above)**

Washington Monument and Grounds HD: Described above as part of a component landscape of the National Mall HD.

Arlington National Cemetery HD: Arlington National Cemetery and related features, including the Arlington Memorial Bridge (which is individually listed as well) are a significant resource linking the Federal City to the National Cemetery. The bridge itself was design by McKim, Mead, and White, and was constructed in 1932. The bridge was a major part of the 1902 McMillan Plan, serving as a symbolic link between north and south, connecting Arlington House (the home of Robert E. Lee) and the Lincoln Memorial.

George Washington Memorial Parkway (GW Parkway): The Parkway is a twenty-five-mile, scenic parkway administered by the NPS. Constructed in the 1930s, the parkway provides a ceremonial and recreational corridor between northern Virginia and Mount Vernon, the home of George Washington, with unfolding scenic views throughout the Park. Contributing resources includes vistas from the parkway across the Potomac River to the monuments in the APE.

Mount Vernon Memorial Highway (MVMH) HD: MVMH HD was the first parkway project undertaken by the U.S. government. Initial planning began in the 1880s, but its execution was delayed until the late 1920s. The parkway was completed in 1932 to commemorate the 200th birthday of George Washington.

L’Enfant Plan: Though not initially part of L’Enfant’s Plan for the City of Washington in 1791, the Tidal Basin and other designed landscapes were part of the 1902 McMillan Plan and are included in the NRHP listing.

Martin Luther King, Jr. Memorial: This granite memorial was dedicated in 2011 and honors Martin Luther King, Jr.’s legacy and the struggle for freedom, equality, and justice. A prominent leader in the modern civil rights movement, Dr. King was a tireless advocate for racial equality, working class, and the oppressed around the world. Martin Luther King, Jr. is the first African American honored with a memorial on the National Mall.

Franklin Delano Roosevelt Memorial: Designed by Lawrence Halprin, Robert Marquis, and various sculptors, this memorial tells the life story of the thirty-second president of the United States. The open landscape was dedicated in 1997.

Thomas Jefferson Memorial and Grounds: This national memorial to the third president of the United States helped shape the Tidal Basin itself in the late 1930s. Designed by famed architect John Russell Pope, the Pantheon design, and circular Ionic peristyle and portico excellently frame sculptor Rudolph Evans’ 19 ½ foot tall statue of Jefferson.

Specific features that contribute to the above-described historic resources and are located within the APE are summarized in **Table 1**.

Table 1: Contributing Resources within the APE

Contributing Resources	Individually Listed	National Mall/Wash. Monument Grounds	East and West Potomac Parks	Arlington National Cemetery	GW Parkway	MVMH HD
Tidal Basin		X	X			
Stone Seawalls		X	X			
Japanese cherry trees		X	X			
Other Contributing Vegetation		X	X		X	X
Inlet Bridge		X	X			
Views around the Tidal Basin		X	X			
Arlington Memorial Bridge	X	X	X	X		
Survey Lodge		X				
<i>Sacrifice and Valor</i>		X		X		
John Ericsson Memorial		X	X			
Ohio Drive		X	X			

Contributing Resources	Individually Listed	National Mall/Wash. Monument Grounds	East and West Potomac Parks	Arlington National Cemetery	GW Parkway	MVMH HD
First Airmail Flight Marker		X				
Japanese Pagoda		X	X			
Franklin Delano Roosevelt Memorial	X	X				
Martin Luther King Jr. Memorial	X	X				
West Potomac Park Reservation No. 332		X	X			
Independence Avenue Extension		X	X			
First Cherry Tree Planting Plaque		X				
Japanese Lantern		X				
Kutz Bridge		X	X			
Commodore John Paul Jones Statue		X	X			
Outlet Bridge		X	X			
Thomas Jefferson Memorial	X	X	X			
George Mason Memorial		X				
Number 4 Fountain		X	X			
View from Lincoln Memorial to Arlington House		X		X		
View from Lincoln Memorial to Ericsson Memorial		X		X		
Views from Virginia shoreline to National Mall					X	X

Cultural Landscapes

As part of the Potomac River watershed, the entire APE falls within the Potomac River Cultural Landscape. Numerous other previously mentioned cultural landscapes were described above, as were historic resources, such as GW Parkway and MVMH HD, that also serve as cultural landscapes.

Archaeological Resources

There are no registered archaeological sites in West Potomac Park or the Tidal Basin. Prior to filling in the late nineteenth century, the project area was likely a floodplain landform.

EFFECTS ASSESSMENT

This document records the assessment of effects on the historic resources identified in the previous section. As stated in the No Action Alternative, the walls would continue to settle, deteriorate, be overtopped by daily tides that would result in significant adverse effect to the historic resources. If no action is taken, increasingly larger portions of the historic district would be inundated daily, further threatening the memorials and cherry trees and other contributing vegetation while also diminishing visitor use opportunities. Following recent site walks and discussions, DC HPO and other agencies have stated that no action would result in an adverse effect to numerous historic resources. Continued flooding of the Tidal Basin, sea level rise, and settling of the seawalls, would continue to erode the cultural landscape, damage trees, impact access to memorials, and eventually be completely inaccessible to any visitors. Should no action be taken, the memorials around the Tidal Basin themselves would be at threat due to regular inundation, deterioration, erosion, and sea level rise under the no action alternative.

The section below addresses anticipated effects of the Action Alternative. Only those contributing resources within the APE that could have an adverse effect are discussed.

Historic Resources and Cultural Landscapes

Tidal Basin: During construction, full visitor access to the Tidal Basin would be restricted, resulting in a temporary adverse effect. The alignment, size, and function of the Tidal Basin would not be changed.

Seawalls: The seawalls would be taken down to the foundation and a new structural support wall would be built to support the historic functional height of the seawalls, resulting in an adverse effect. The contemporary structural wall would be faced with salvaged stone from the extant walls, and the historic ashlar pattern recreated. The extant historic stone would be used to the maximum amount possible and would be concentrated towards the top of the walls, the most visible portions. The original workmanship, design, and materials would be compromised with the removal and reconfiguration of historic stones, including cutting historic stones and altering their proportions to reface the new wall. Masons would take care to stack the historic stone in the same manner as the historic masons to minimize adverse effects to the integrity of the seawalls. The bottom edge of the contemporary structure of the seawall would be visible only during extreme low tide events and only until it is naturally coated with sediment and algae. The alignment of the seawall would not be altered or changed. There would be a temporary adverse effect during construction but restoring the seawalls to their historic functional height would not result in a permanent adverse effect. Further, no action would allow for a continued adverse effect to the seawalls as they would continue to degrade and fail, putting the surrounding memorials, and cultural landscapes at increased risk.

Japanese cherry trees: Numerous Japanese cherry trees would be removed to allow the rehabilitation and regrading of the landscape resulting in an adverse effect, though many are currently struggling due to constant flooding and root exposure.

Other Contributing Vegetation: Numerous deciduous and evergreen trees would be removed for construction resulting in an adverse effect, though many are currently struggling due to constant flooding and root exposure.

Inlet Bridge: The rehabilitated seawalls would not connect structurally to the Inlet Bridge but do abut the face of the Bridge at the same northwest, southwest, and northeast locations of the existing seawalls. Where they abut, the interface would be sealed, to prevent soil migration through a gap. The seal between the two structures would be done sensitively and would improve the extant interfaces that are failing due to the sinking and crumbling walls. The gates would not be repaired in this project since they are managed by USACE. By restoring the seawall to their historic functional height, the action alternative would restore historic viewsheds to and from the Inlet Bridge.

Views around the Tidal Basin: The various views around the Tidal Basin would temporarily be adversely affected during construction. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds around the resource. The surrounding land behind the seawalls would be infilled and would be tied into the existing landscape, avoiding any adverse effects.

Arlington Memorial Bridge: The rehabilitated seawalls would not connect structurally to the Memorial Bridge but would abut the edge of the Bridge, at the current location of the existing seawall. Where it abuts, the interface would be sealed, to prevent soil migration through a gap. The seal between the two structures would be done sensitively and would improve the extant interfaces that are failing due to the sinking and crumbling walls. Design and construction would avoid any adverse effects to the bridge itself. Views to and from Memorial Bridge would not be adversely affected. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds from the bridge to West Potomac Park.

Survey Lodge: No changes would be made to the lodge. Tidal Basin walls adjacent to the lodge are not within the project area and views to the project area are obscured by extant vegetation and Kutz Bridge so the project would not result in any adverse effect.

Sacrifice and Valor: No changes would occur to the statues. Views to and from the statues would not be adversely affected.

John Ericsson Memorial: No changes would occur to the memorial. Views from the Memorial to the Potomac River would not be adversely affected; the existing slope from the road to the water allows for the wall to be raised to its historic functional height without rising above the elevation of the road.

Ohio Drive: Portions of Ohio Drive may require closure during construction for material movement resulting in a temporary adverse effect; however, the closures would be intermittent and would be fully opened after the seawalls are rehabilitated. Views from Ohio Drive to the Potomac River would not be adversely affected; the existing slope from the road to the water allows for the wall to be raised to its historic functional height without rising above the elevation of the road.

First Airmail Flight Marker: During construction, the First Airmail Flight Marker would be blocked from visitor experience, resulting in a temporary adverse effect. Views to and from the

marker would not be adversely affected. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds from around the marker.

Japanese Pagoda: No changes would be made to the pagoda. Views to the surrounding memorials and Tidal Basin would not be adversely affected. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds around the resource.

Franklin Delano Roosevelt Memorial: During construction, access to the memorial would be restricted at the southeast end of the memorial resulting in a temporary adverse effect. Views around the memorial would not be adversely affected. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds around the resource.

Martin Luther King, Jr. Memorial: No changes would be made to the memorial. The project end location is near the southeast corner of the Franklin D Roosevelt Memorial, no construction activity or disturbance would result near the Martin Luther King, Jr. Memorial. Restoring the seawall within the project limits to its historic functional height would not have an adverse effect on the memorial. Due to distance of the view from the Memorial across the Tidal Basin to where the change in seawall height would occur, the new wall height would be minimally noticeable and would be consistent with the current height of the wall to the north of the Jefferson Memorial.

West Potomac Park Reservation No. 332: The lands adjacent to the seawall would not be accessible during construction resulting in a temporary adverse effect. Views around Reservation 332 would not be adversely affected. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds from the reservation to the Potomac River and new landscaping would restore the historic landscape.

Independence Avenue Extension: No changes would be made to the Independence Avenue Extension. Tidal Basin walls adjacent to the Independence Avenue Extension are not within the project area and views east and west on Independence Avenue would not be affected.

First Cherry Tree Planting Plaque: No changes would be made to the plaque. Restoring the seawall to its historic functional height would not have an adverse effect on the plaque. Due to its distance across the Tidal Basin, the change in seawall height within the project limits would be minimally noticeable and would be consistent with the current height of the wall to the north of the Jefferson Memorial.

Japanese Lantern: No changes would be made to the lantern. Views to the surrounding memorials and Tidal Basin would not be adversely affected. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds around the resource.

Kutz Bridge: No changes would be made to the bridge. Views from the Kutz Bridge to the Inlet Bridge and surrounding memorials and monument would not be adversely affected. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds around the resource.

Commodore John Paul Jones Memorial: No changes would be made to the memorial. Tidal Basin walls adjacent to the John Paul Jones Statue are not within the project area and views to the project area are obscured by extant vegetation and Kutz Bridge.

Outlet Bridge: No changes would be made to the bridge. Views to and from the bridge would not be adversely affected. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds. The change in height would be minimally noticeable from that distance as well.

Thomas Jefferson Memorial: No changes would be made to the memorial, but access to the west may be restricted from certain the west during construction resulting in a temporary adverse effect to the resource. Raising the top of the seawall to the historic functional height up to the southwest corner of the Thomas Jefferson Memorial plaza would eliminate the bottom two steps of the transition from the Tidal Basin walkway to the plaza. The stone steps would be reused at the end of the level walkway to maintain the historic appearance. The rehabilitated seawalls would not connect structurally to the previously reconstructed seawall at the Memorial plaza, but would abut the edge of that seawall, at the current location of the existing seawall to be rehabilitated. Where it abuts, the interface would be sealed, to prevent soil migration through a gap. The seal between the two structures would be done sensitively and would improve the extant interfaces that are failing due to the sinking and crumbling walls. Design and construction would avoid any adverse effects to the Memorial seawall itself. By restoring the seawalls to their historic functional height, the action alternative would restore historic viewsheds around the memorial.

George Mason Memorial: No changes would be made to the memorial. Extant vegetation around the memorial obscures the project area from view.

Number 4 Fountain: No changes would be made to the fountain. Extant vegetation around the fountain obscures the project area from view.

Views from Lincoln Memorial to Arlington House: No changes would affect the views from the Lincoln Memorial to the Arlington House.

Views from Lincoln Memorial to Ericsson Memorial: No changes would affect the views from the Lincoln Memorial to the Ericsson Memorial.

Views from Virginia shoreline to National Mall: Views to the National Mall and its monument and memorials from the Virginia shoreline, specifically MVMH HD and GW Parkway, would temporarily be adversely affected during construction. Restoring the seawall to the historic functional height would not adversely affect these views, as the change from that distance would be minimally noticeable and would be restoring a historic viewshed.

The rehabilitation of the seawalls would minimize existing and continual adverse effects to historic resources resulting from the failing seawalls, including prevention of daily flooding, erosion of the landscape, and the continued loss of Japanese cherry trees and other vegetation. Though the seawall rehabilitation would result in adverse effects, there would also be a significant adverse effect to historic resources by not proceeding with the rehabilitation of the seawalls.

AVOIDANCE, MINIMIZATION, AND MITIGATION

To avoid, minimize, and mitigate adverse effects described above, the following steps would be undertaken by NPS during the implementation of the Action Alternative.

- The horizontal alignment of the seawalls would not be altered, avoiding any changes to the shape of the Tidal Basin and West Potomac Park and adverse effects pertaining to the location of the seawall.
- Trees and vegetation within the construction area that are to remain would be protected throughout construction to avoid adverse effects.
- Design and construction of the new seawalls would be undertaken in a way that ensures the historic stone and ashlar pattern of the stacked stone walls would be retained in the visible portion of the walls to minimize adverse effects. Additionally, new stone would be placed on the lower levels of the wall at elevations with limited visibility due to tides. Construction of the new wall would be consistent with the *Secretary of the Interior's Standards for the Treatment of Historic Properties*.
- Efforts would be made during construction to minimize temporary adverse effects to visitor experience with sensitive fencing and signage directing them around the construction to minimize the adverse effects to visitor experience during construction. After construction, full access to the resources would be restored.
- During the later stages of construction, the approximately 300 trees removed from the various resources and cultural landscapes would be replaced in kind, or with a more acceptable/suitable species for the location, soil conditions, and the National Mall, as determined appropriate by a historical landscape architect, to mitigate the adverse effects from the loss of contributing vegetation.
- The project would mitigate the risks to visitor safety and health which currently exist due to both the deteriorated seawall structure and walkways, and the deposits of mud and debris which remains prevalent even in normal tidal conditions. Visitors should feel that these parks are open in their entirety and are safely accessible to all. Improved visitor satisfaction would result in increased visitation.
- To mitigate adverse effects that cannot be avoided or minimized, the NPS would install interpretive signage in the Tidal Basin educating the public on the history and significance of the Tidal Basin and the seawalls.
- To mitigate adverse effect that cannot be avoided or minimized, the NPS would complete a comprehensive plan for the Tidal Basin that would include alternatives to rehabilitate the cultural landscape and protect/enhance area aquatic environments while accommodating and meeting very high levels of visitor use in an attractive, convenient, high quality, energy efficient and sustainable manner. The Plan / EA would address multi-modal circulation and transportation; connectivity; conservation; tree preservation; protection of aquatic resources; climate change and sea level rise resilience; infrastructure; memorials and cultural landscape protection; security; visitor experience, enjoyment, recreation, and services; seawall solutions and facilities; and flexible public spaces to accommodate a wide variety of national celebrations, First Amendment gatherings and other permitted activities.

REFERENCES

DC Office of Planning

2009 District of Columbia Inventory of Historic Sites.

NPS

1973 National Register of Historic Places, Nomination Form, East and West Potomac Parks

NPS

1985 Annotated Comprehensive Guide for the Washington Seawalls

NPS

1997 National Register of Historic Places, Nomination Form, L'Enfant Plan of the City of Washington, District of Columbia

NPS

1999a National Register of Historic Places, Nomination Form, East and West Potomac Parks Revised

NPS

1999b Lincoln Memorial Grounds Cultural Landscape Report

NPS

2003 Thomas Jefferson Memorial Cultural Landscape Inventory

NPS

2006 National Mall and Memorial Parks Cultural Landscape Inventory

NPS

2009 Washington Monument Cultural Landscape Inventory

NPS

2016 National Register of Historic Places, Nomination Form National Mall Historic District Boundary Increase/Additional Documentation

NPS

2020 Tidal Basin Cultural Landscape Report

Rehabilitation of Tidal Basin and West Potomac Park Seawalls

Section 106 Assessment of Effects Report

Appendix A: Section 106 Consultation



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Mr. David Maloney
State Historic Preservation Officer
Historic Preservation Office
District of Columbia Office of Planning
1100 4th Street SW Suite E650
Washington, DC 20024

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Mr. Maloney:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS is writing to formally initiate consultation with the District of Columbia State Historic Preservation Office (DC SHPO) in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

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include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with the DC SHPO and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

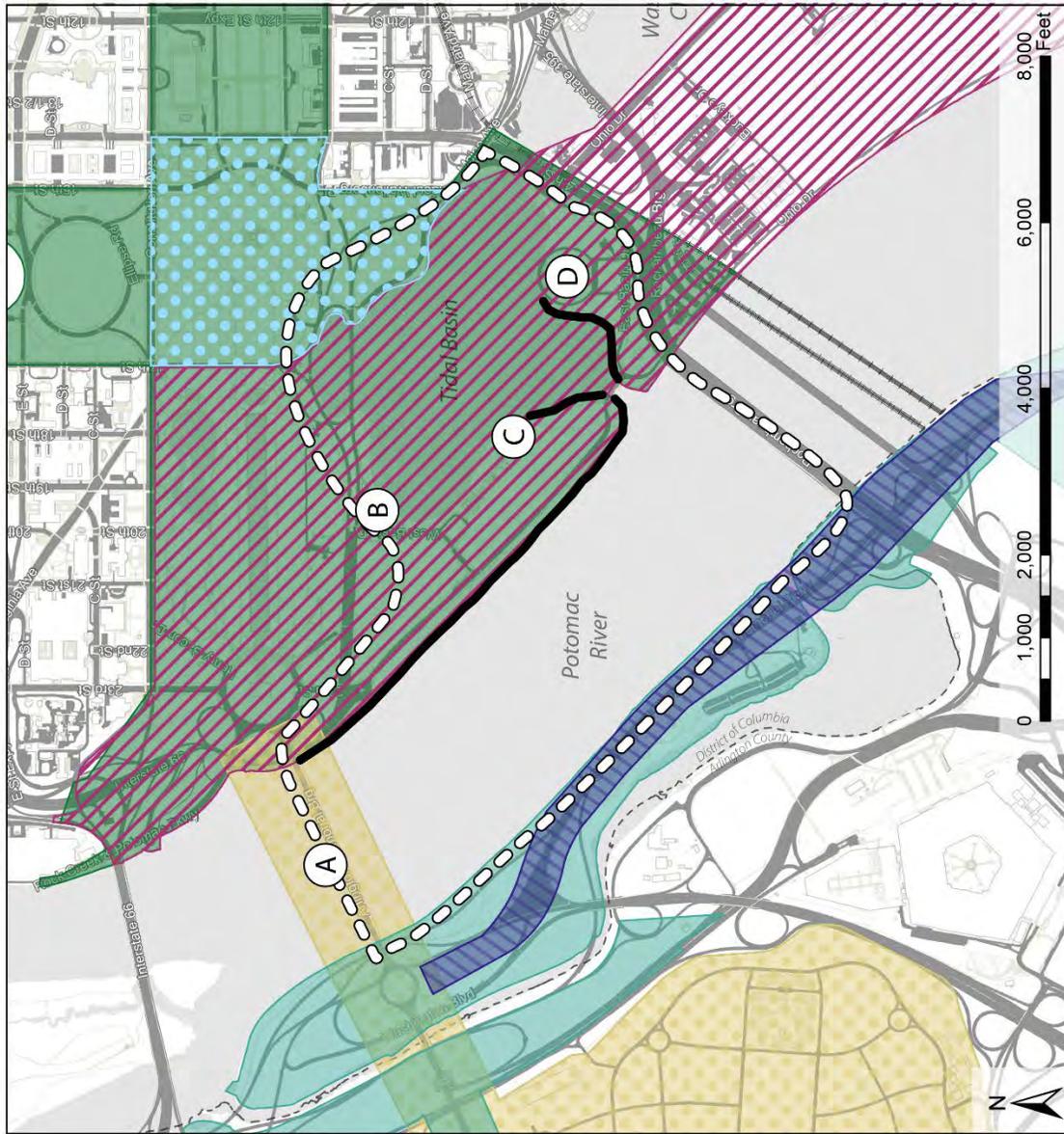
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Andrew Lewis, DC SHPO
Dr. Ruth Troccoli, DC SHPO
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
	Erin Thompson	Historic Preservation Director	Delaware Nation	ethompson@delawarenation-nsn.gov
	Chuck Hoskin, Jr.	Principal Chief	Cherokee Nation	chuck-hoskin@cherokee.org
	Robert Gray	Chief	Pamunkey Indian Tribe	pamunkeytribe@pamunkey.org
	Frank Adams	Chief	Upper Mattaponi Indian Tribe	wfrankadams@verizon.net
	Reggie Tupponce	Tribal Administrator	Upper Mattaponi Indian Tribe	admin@umitribe.org
	Anne Richardson	Chief	Rappahannock Tribe	chiefannerich@aol.com
	Earl Bass	Chief	Nansemond Indian Nation	earlbass@gmail.com and Chief@nansemond.org
	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
	Stephen Adkins	Chief	Chickahominy Indian Tribe	stephenradkins@aol.com and chiefstephenadkins@gmail.com
	Dana Adkins	Tribal Environmental Director	Chickahominy Indian Tribe	dana.adkins@chickahominytribe.org
	Gerald Stewart	Chief	Chickahominy Tribe Eastern Division	wasandson@cox.net
	Kenneth Branham	Chief	Monacan Indian Nation	TribalOffice@MonacanNation.com
	Rufus Elliot	Tribal Administrator	Monacan Indian Nation	tribaladmin@monacannation.com
	William "Bill" Harris	Chief	Catawba Indian Nation	bill.harris@catawbaindian.net
	Wenonah George Haire	THPO	Catawba Indian Nation	wenonah.haire@catawba.com
	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma	jjohnson@astribe.com
	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
	Sarah Batcheler	Architect	US Commission of Fine Arts	flindstrom@cfa.gov
	Marcel Acosta	Executive Director	National Capital Planning Commission	marcel.acosta@ncpc.gov
	Diane Sullivan	Director, Urban Design and Plan Review	National Capital Planning Commission	diane.sullivan@ncpc.gov
	Lee Webb	Historic Preservation Specialist	National Capital Planning Commission	lee.webb@ncpc.gov
	David Maloney	State Historic Preservation Officer	DC Historic Preservation Office	david.maloney@dc.gov
	Andrew Lewis	Senior Historic Preservation Specialist	DC Historic Preservation Office	andrew.lewis@dc.gov
	Julie Langan	State Historic Preservation Officer	Virginia Department of Historic Resources	julie.langan@dhr.virginia.gov
	Tim Roberts	National Park Service Reviewer	Virginia Department of Historic Resources	tim.roberts@dhr.virginia.gov
	Genevieve LaRouche	Project Leader, Chesapeake Bay Field Office	US Fish and Wildlife Service	genevieve_larouche@fws.gov
	Jonathan Greene	Community Planner	Ward 2	jonathan.greene@dc.gov
ANCs	Joel Causey	Chair	ANC2A	2A@anc.dc.gov
Preservation Advocacy Groups	Rebecca Miller	Executive Director	DC Preservation League	rebecca@dcpreservation.org
	Catherine Townsend	President and CEO	Trust for the National Mall	ctownsend@nationalmall.org
	Teresa Durkin	Executive Vice President	Trust for the National Mall	tdurkin@nationalmall.org
	Laura Brower Hagood	Executive Director	Historical Society of Washington DC	lhagood@dchistory.com
	Betsy Merritt	Deputy General Council	National Trust for Historic Preservation	bmerritt@savingplaces.org
	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Ms. Julie Langan
State Historic Preservation Officer
Virginia Department of Historic Resources
2801 Kensington Avenue
Richmond, VA 23221

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Ms. Langan:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS is writing to formally initiate consultation with the Virginia Department of Historic Resources (DHR) in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

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include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with DHR and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

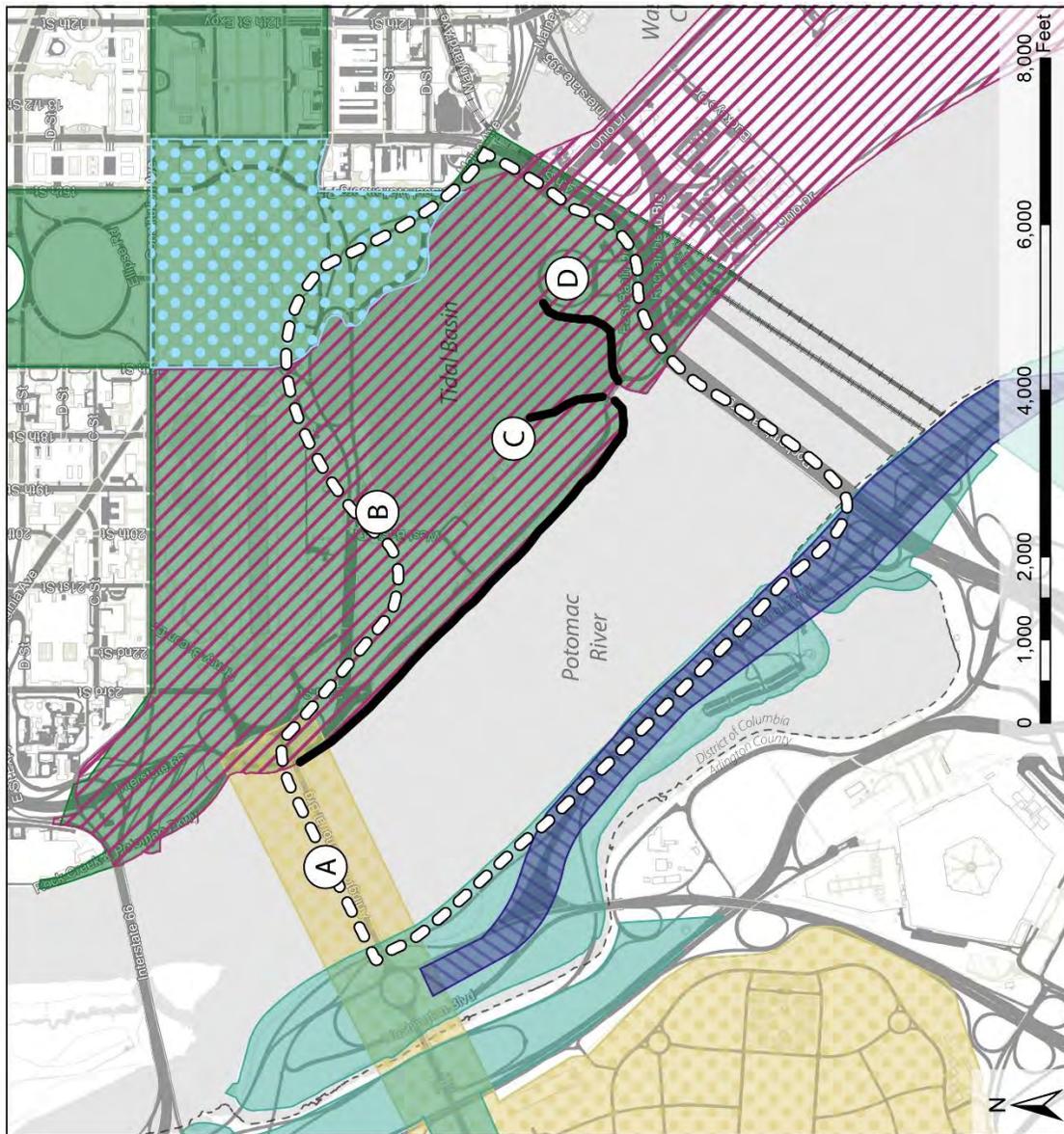
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Tim Roberts, DHR
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
	Erin Thompson	Historic Preservation Director	Delaware Nation	ethompson@delawarenation-nsn.gov
	Chuck Hoskin, Jr.	Principal Chief	Cherokee Nation	chuck-hoskin@cherokee.org
	Robert Gray	Chief	Pamunkey Indian Tribe	pamunkeytribe@pamunkey.org
	Frank Adams	Chief	Upper Mattaponi Indian Tribe	wfrankadams@verizon.net
	Reggie Tupponce	Tribal Administrator	Upper Mattaponi Indian Tribe	admin@umitribe.org
	Anne Richardson	Chief	Rappahannock Tribe	chiefannerich@aol.com
	Earl Bass	Chief	Nansemond Indian Nation	earlbass@gmail.com and Chief@nansemond.org
	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
	Stephen Adkins	Chief	Chickahominy Indian Tribe	stephenradkins@aol.com and chiefstephenadkins@gmail.com
	Dana Adkins	Tribal Environmental Director	Chickahominy Indian Tribe	dana.adkins@chickahominytribe.org
	Gerald Stewart	Chief	Chickahominy Tribe Eastern Division	wasandson@cox.net
	Kenneth Branham	Chief	Monacan Indian Nation	TribalOffice@MonacanNation.com
	Rufus Elliot	Tribal Administrator	Monacan Indian Nation	tribaladmin@monacannation.com
	William "Bill" Harris	Chief	Catawba Indian Nation	bill.harris@catawbaindian.net
	Wenonah George Haire	THPO	Catawba Indian Nation	wenonah.haire@catawba.com
	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma	jjohnson@astribe.com
	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
	Sarah Batcheler	Architect	US Commission of Fine Arts	flindstrom@cfa.gov
	Marcel Acosta	Executive Director	National Capital Planning Commission	marcel.acosta@ncpc.gov
	Diane Sullivan	Director, Urban Design and Plan Review	National Capital Planning Commission	diane.sullivan@ncpc.gov
	Lee Webb	Historic Preservation Specialist	National Capital Planning Commission	lee.webb@ncpc.gov
	David Maloney	State Historic Preservation Officer	DC Historic Preservation Office	david.maloney@dc.gov
	Andrew Lewis	Senior Historic Preservation Specialist	DC Historic Preservation Office	andrew.lewis@dc.gov
	Julie Langan	State Historic Preservation Officer	Virginia Department of Historic Resources	julie.langan@dhr.virginia.gov
	Tim Roberts	National Park Service Reviewer	Virginia Department of Historic Resources	tim.roberts@dhr.virginia.gov
	Genevieve LaRouche	Project Leader, Chesapeake Bay Field Office	US Fish and Wildlife Service	genevieve_larouche@fws.gov
	Jonathan Greene	Community Planner	Ward 2	jonathan.greene@dc.gov
ANCs	Joel Causey	Chair	ANC2A	2A@anc.dc.gov
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	Catherine Townsend	President and CEO	Trust for the National Mall	ctownsend@nationalmall.org
	Teresa Durkin	Executive Vice President	Trust for the National Mall	tdurkin@nationalmall.org
	Laura Brower Hagood	Executive Director	Historical Society of Washington DC	lhagood@dchistory.com
	Betsy Merritt	Deputy General Council	National Trust for Historic Preservation	bmerritt@savingplaces.org
	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Mr. Marcel Acosta
Executive Director
National Capital Planning Commission
400 9th Street, NW
Suite 500
Washington, DC 20003

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Mr. Acosta:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS is writing to formally initiate consultation with the National Capital Planning Commission (NCPC) who has review authority over federal projects located within the District of Columbia will be a cooperating agency the National Capital Planning Act (40 U.S.C. § 8722(b)(1) and (d)) and Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

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addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial. Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with the NCPC and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

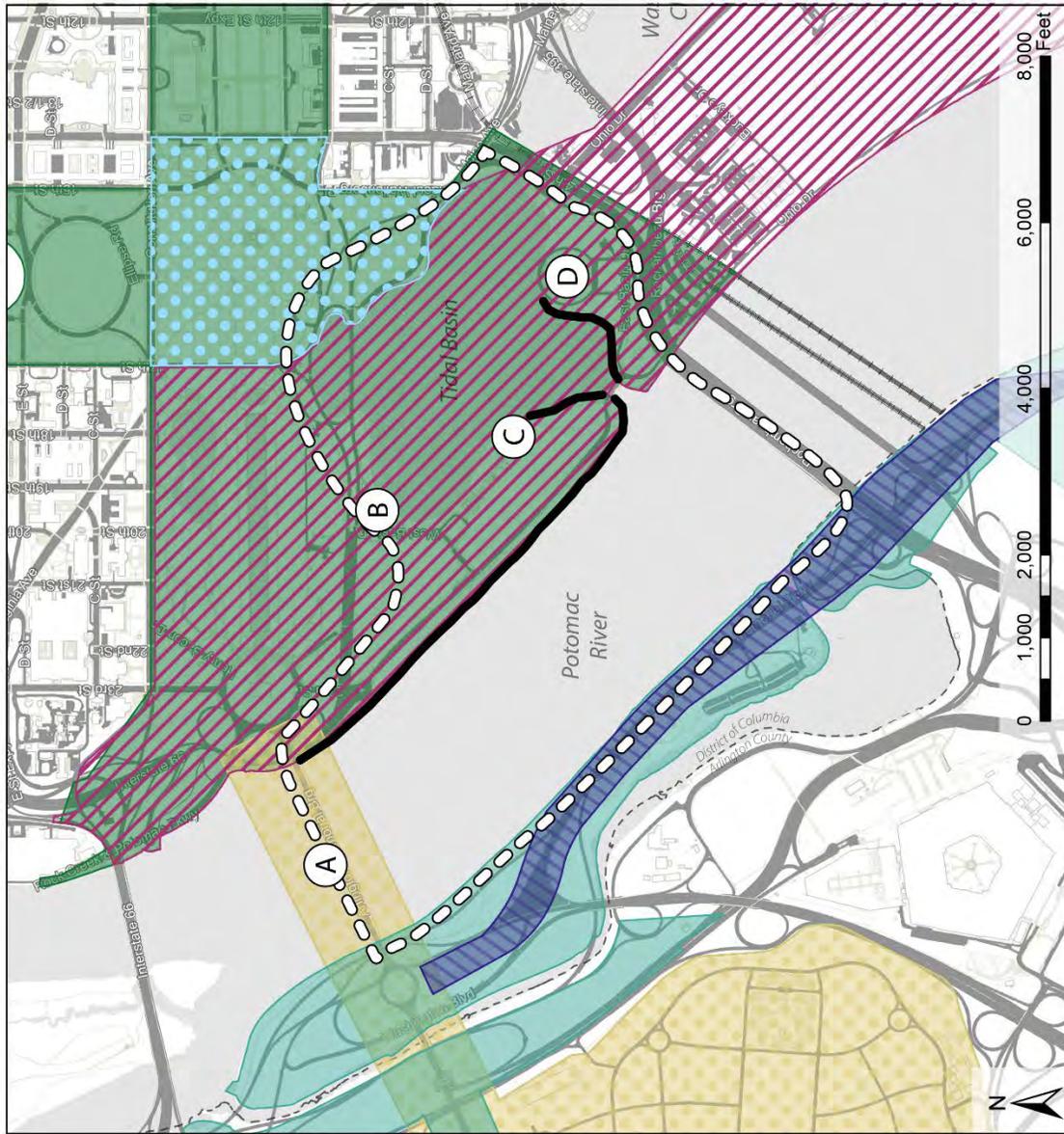
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Diane Sullivan, NCPC
Lee Webb, NCPC
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
	Erin Thompson	Historic Preservation Director	Delaware Nation	ethompson@delawarenation-nsn.gov
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	Anne Richardson	Chief	Rappahannock Tribe	chiefannerich@aol.com
	Earl Bass	Chief	Nansemond Indian Nation	earlbass@gmail.com and Chief@nansemond.org
	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
	Stephen Adkins	Chief	Chickahominy Indian Tribe	stephenradkins@aol.com and chiefstephenadkins@gmail.com
	Dana Adkins	Tribal Environmental Director	Chickahominy Indian Tribe	dana.adkins@chickahominytribe.org
	Gerald Stewart	Chief	Chickahominy Tribe Eastern Division	wasandson@cox.net
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	Rufus Elliot	Tribal Administrator	Monacan Indian Nation	tribaladmin@monacannation.com
	William "Bill" Harris	Chief	Catawba Indian Nation	bill.harris@catawbaindian.net
	Wenonah George Haire	THPO	Catawba Indian Nation	wenonah.haire@catawba.com
	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma	jjohnson@astribe.com
	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
	Sarah Batcheler	Architect	US Commission of Fine Arts	flindstrom@cfa.gov
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	Andrew Lewis	Senior Historic Preservation Specialist	DC Historic Preservation Office	andrew.lewis@dc.gov
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	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

John Johnson
Governor
Absentee Shawnee Tribe of Indians of Oklahoma Nation
2025 South Gordon Cooper Drive
Shawnee, OK 74801

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Governor Johnson:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Absentee Shawnee Tribe of Indians of Oklahoma Nation to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

INTERIOR REGION 1 • NORTH ATLANTIC-APPALACHIAN

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS,
NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, VERMONT,
VIRGINIA, WEST VIRGINIA

include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

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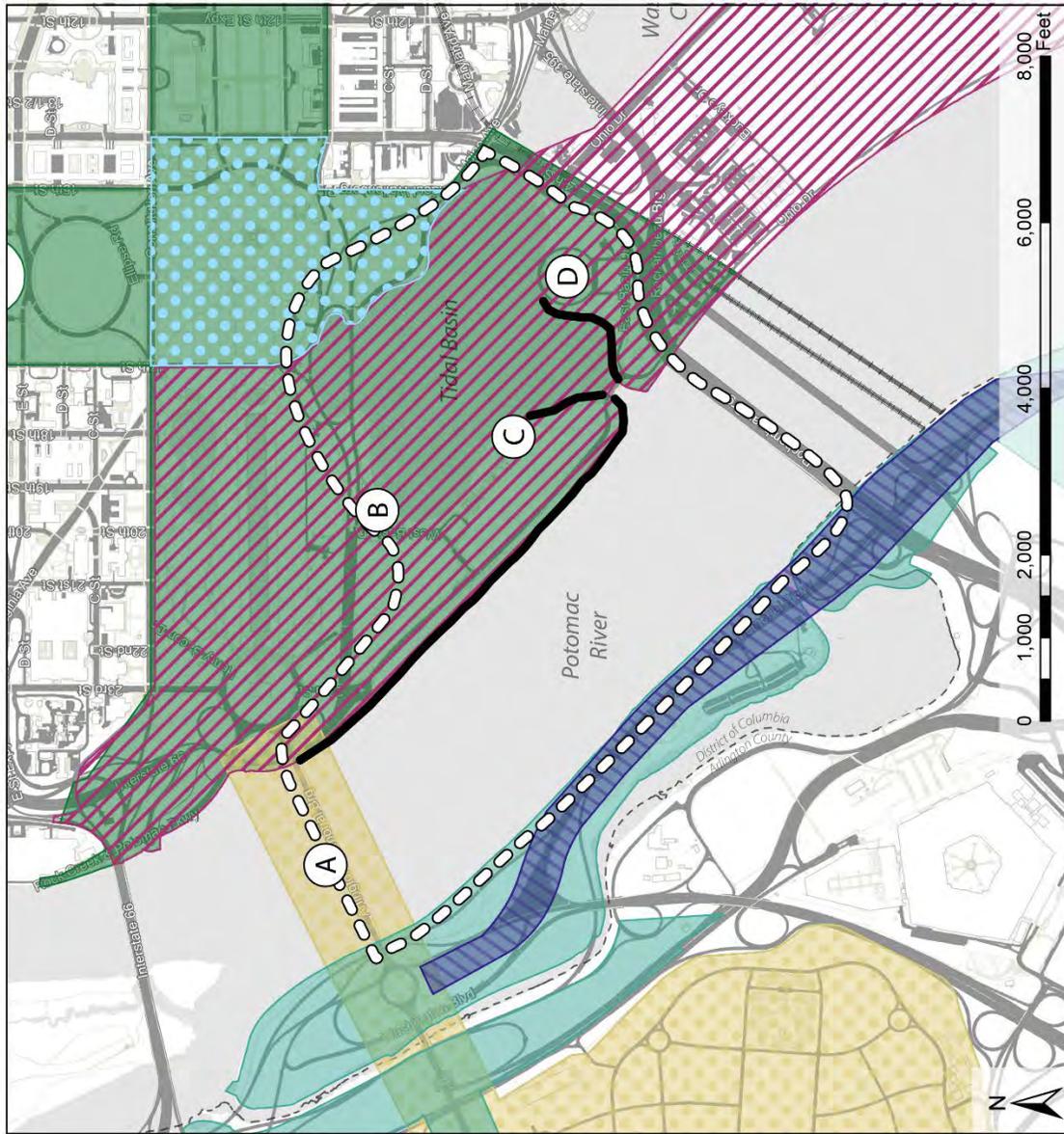
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

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B: List of Potential Consulting Parties

cc: Tammy Stidham, NPS
Catherine Dewey, NPS

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United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

William Harris
Chief
Catawba Indian Nation
966 Avenue of the Nations
Rock Hill, SC 29730

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Harris:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Catawba Indian Nation to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

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include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

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The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

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Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Wenonah George Haire, Catawba Indian Nation
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



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National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Chuck Hoskin, Jr.
Principal Chief
Cherokee Nation
P.O. Box 984
Tehlequah, OK 74465

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Hoskin:

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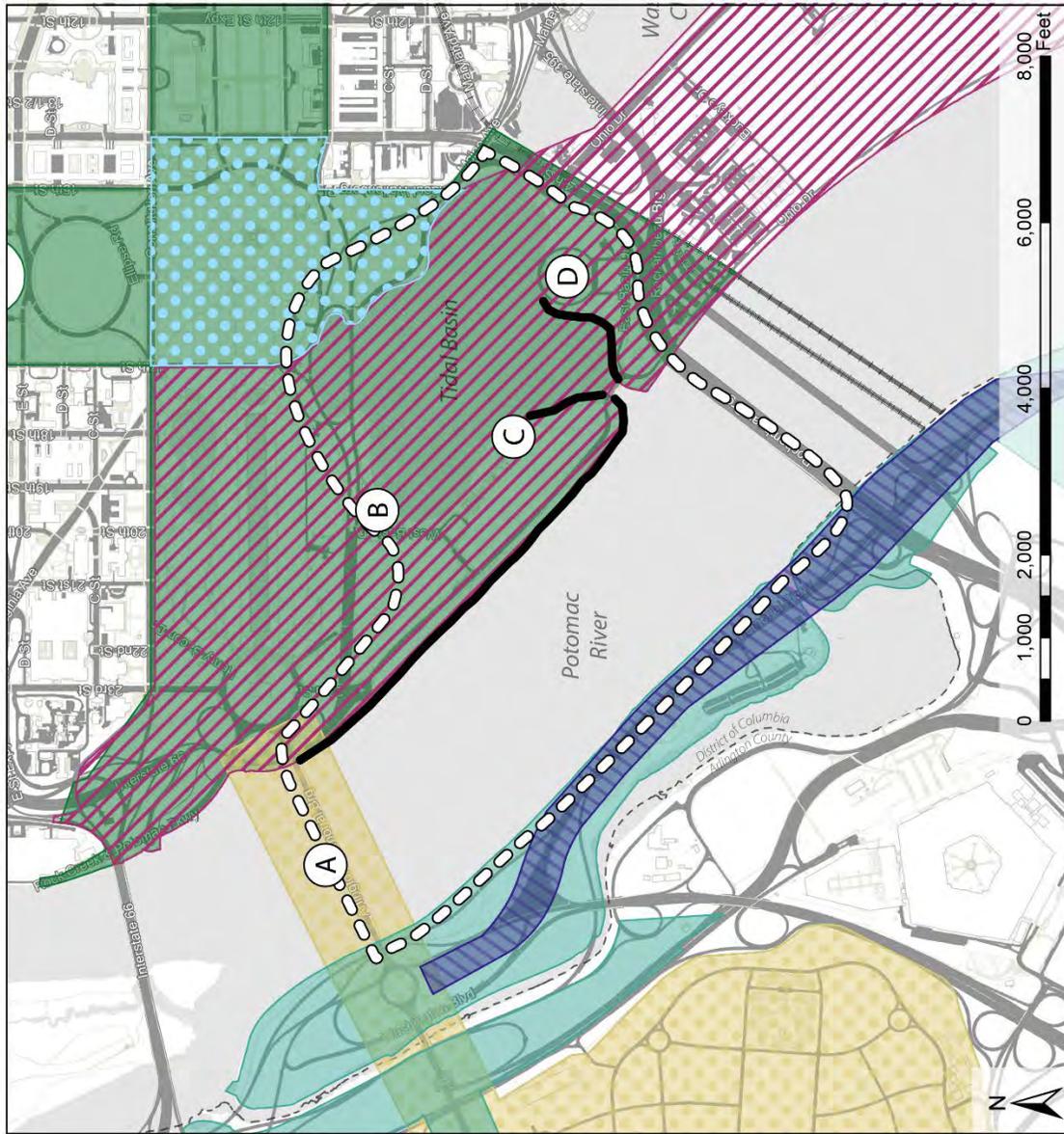
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	Robert Gray	Chief	Pamunkey Indian Tribe	pamunkeytribe@pamunkey.org
	Frank Adams	Chief	Upper Mattaponi Indian Tribe	wfrankadams@verizon.net
	Reggie Tupponce	Tribal Administrator	Upper Mattaponi Indian Tribe	admin@umitribe.org
	Anne Richardson	Chief	Rappahannock Tribe	chiefannerich@aol.com
	Earl Bass	Chief	Nansemond Indian Nation	earlbass@gmail.com and Chief@nansemond.org
	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
	Stephen Adkins	Chief	Chickahominy Indian Tribe	stephenradkins@aol.com and chiefstephenadkins@gmail.com
	Dana Adkins	Tribal Environmental Director	Chickahominy Indian Tribe	dana.adkins@chickahominytribe.org
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	William "Bill" Harris	Chief	Catawba Indian Nation	bill.harris@catawbaindian.net
	Wenonah George Haire	THPO	Catawba Indian Nation	wenonah.haire@catawba.com
	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma	jjohnson@astribe.com
	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
	Sarah Batcheler	Architect	US Commission of Fine Arts	flindstrom@cfa.gov
	Marcel Acosta	Executive Director	National Capital Planning Commission	marcel.acosta@ncpc.gov
	Diane Sullivan	Director, Urban Design and Plan Review	National Capital Planning Commission	diane.sullivan@ncpc.gov
	Lee Webb	Historic Preservation Specialist	National Capital Planning Commission	lee.webb@ncpc.gov
	David Maloney	State Historic Preservation Officer	DC Historic Preservation Office	david.maloney@dc.gov
	Andrew Lewis	Senior Historic Preservation Specialist	DC Historic Preservation Office	andrew.lewis@dc.gov
	Julie Langan	State Historic Preservation Officer	Virginia Department of Historic Resources	julie.langan@dhr.virginia.gov
	Tim Roberts	National Park Service Reviewer	Virginia Department of Historic Resources	tim.roberts@dhr.virginia.gov
	Genevieve LaRouche	Project Leader, Chesapeake Bay Field Office	US Fish and Wildlife Service	genevieve_larouche@fws.gov
	Jonathan Greene	Community Planner	Ward 2	jonathan.greene@dc.gov
ANCs	Joel Causey	Chair	ANC2A	2A@anc.dc.gov
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	Teresa Durkin	Executive Vice President	Trust for the National Mall	tdurkin@nationalmall.org
	Laura Brower Hagood	Executive Director	Historical Society of Washington DC	lhagood@dchistory.com
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	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Stephen Adkins
Chief
Chickahominy Indian Tribe
8200 Lott Cary Road
Providence Forge, VA 23140

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Adkins:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Chickahominy Indian Tribe to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

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VIRGINIA, WEST VIRGINIA

include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

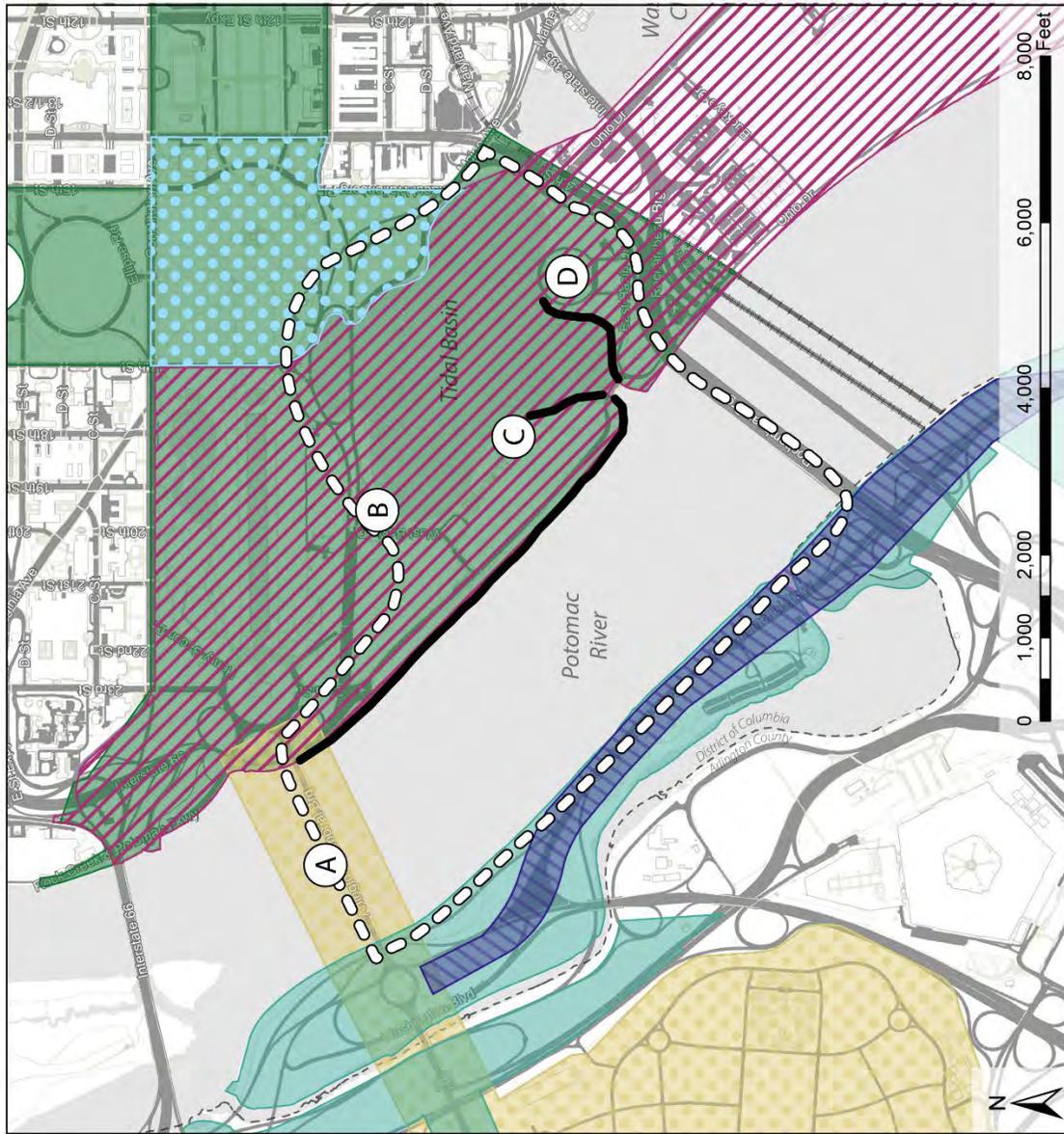
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Dana Adkins, Chickahominy Indian Tribe
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
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Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

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United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Gerald Stewart
Chief
Chickahominy Tribe Eastern Division
1191 Indian Hill Lane
Providence Forge, VA 23140

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Stewart:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Chickahominy Tribe Eastern Division to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

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include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

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The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
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Section 106 Consultation Initiation

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United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Ms. Deborah Dotson
President
Delaware Nation
P.O. Box 825
Anadarko, OK 73005

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Ms. Dotson:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands Delaware Nation to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

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Section 106 and Historic Properties

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A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

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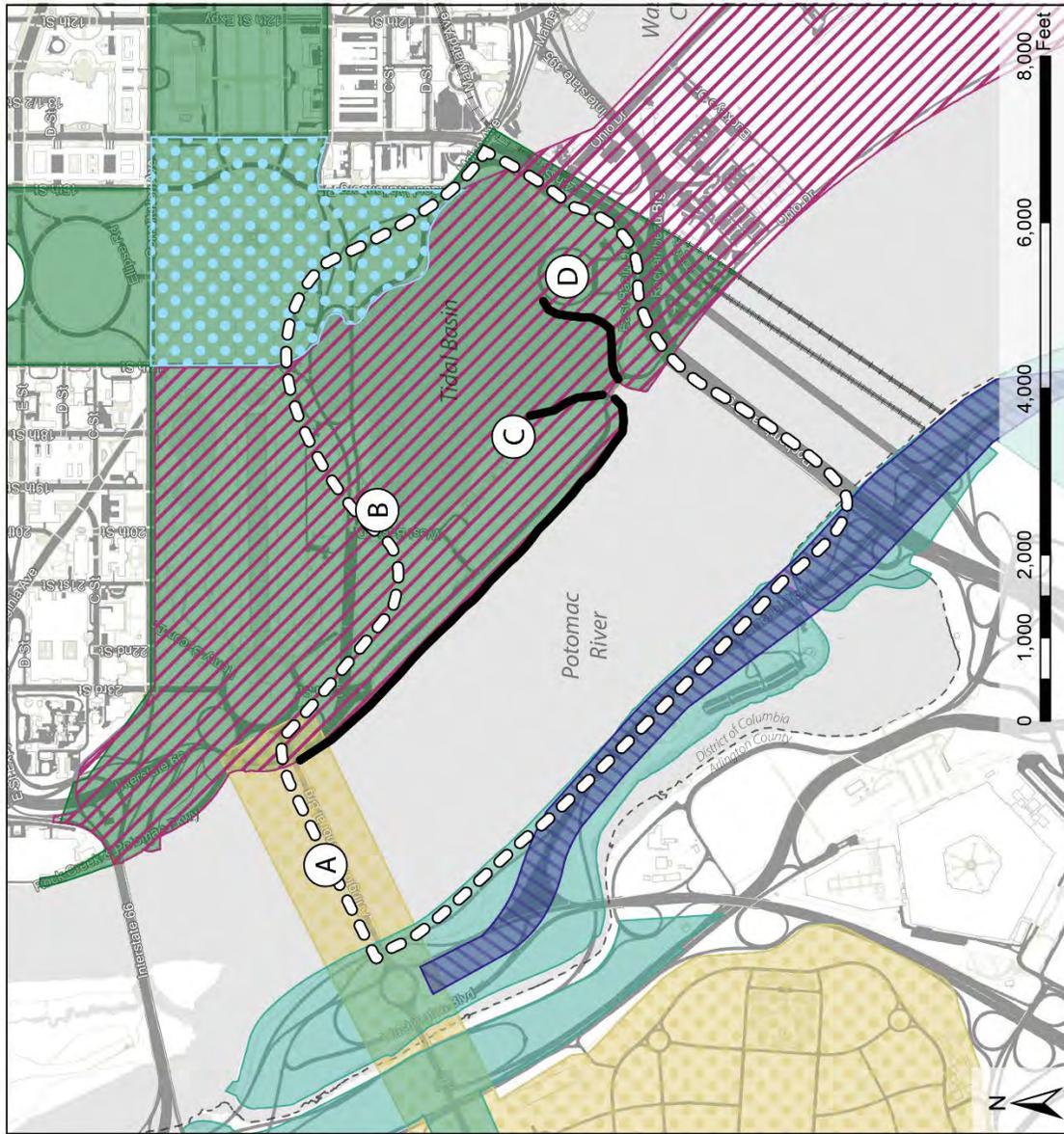
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Erin Thompson, Delaware Nation
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



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	Wenonah George Haire	THPO	Catawba Indian Nation	wenonah.haire@catawba.com
	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma	jjohnson@astribe.com
	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
	Sarah Batcheler	Architect	US Commission of Fine Arts	flindstrom@cfa.gov
	Marcel Acosta	Executive Director	National Capital Planning Commission	marcel.acosta@ncpc.gov
	Diane Sullivan	Director, Urban Design and Plan Review	National Capital Planning Commission	diane.sullivan@ncpc.gov
	Lee Webb	Historic Preservation Specialist	National Capital Planning Commission	lee.webb@ncpc.gov
	David Maloney	State Historic Preservation Officer	DC Historic Preservation Office	david.maloney@dc.gov
	Andrew Lewis	Senior Historic Preservation Specialist	DC Historic Preservation Office	andrew.lewis@dc.gov
	Julie Langan	State Historic Preservation Officer	Virginia Department of Historic Resources	julie.langan@dhr.virginia.gov
	Tim Roberts	National Park Service Reviewer	Virginia Department of Historic Resources	tim.roberts@dhr.virginia.gov
	Genevieve LaRouche	Project Leader, Chesapeake Bay Field Office	US Fish and Wildlife Service	genevieve_larouche@fws.gov
	Jonathan Greene	Community Planner	Ward 2	jonathan.greene@dc.gov
ANCs	Joel Causey	Chair	ANC2A	2A@anc.dc.gov
Preservation Advocacy Groups	Rebecca Miller	Executive Director	DC Preservation League	rebecca@dcpreservation.org
	Catherine Townsend	President and CEO	Trust for the National Mall	ctownsend@nationalmall.org
	Teresa Durkin	Executive Vice President	Trust for the National Mall	tdurkin@nationalmall.org
	Laura Brower Hagood	Executive Director	Historical Society of Washington DC	lhagood@dchistory.com
	Betsy Merritt	Deputy General Council	National Trust for Historic Preservation	bmerritt@savingplaces.org
	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Kenneth Branham
Chief
Monacan Indian Nation
111 High View Drive
Madison Heights, VA 24572

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Branham:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Monacan Indian Nation to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

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VIRGINIA, WEST VIRGINIA

include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

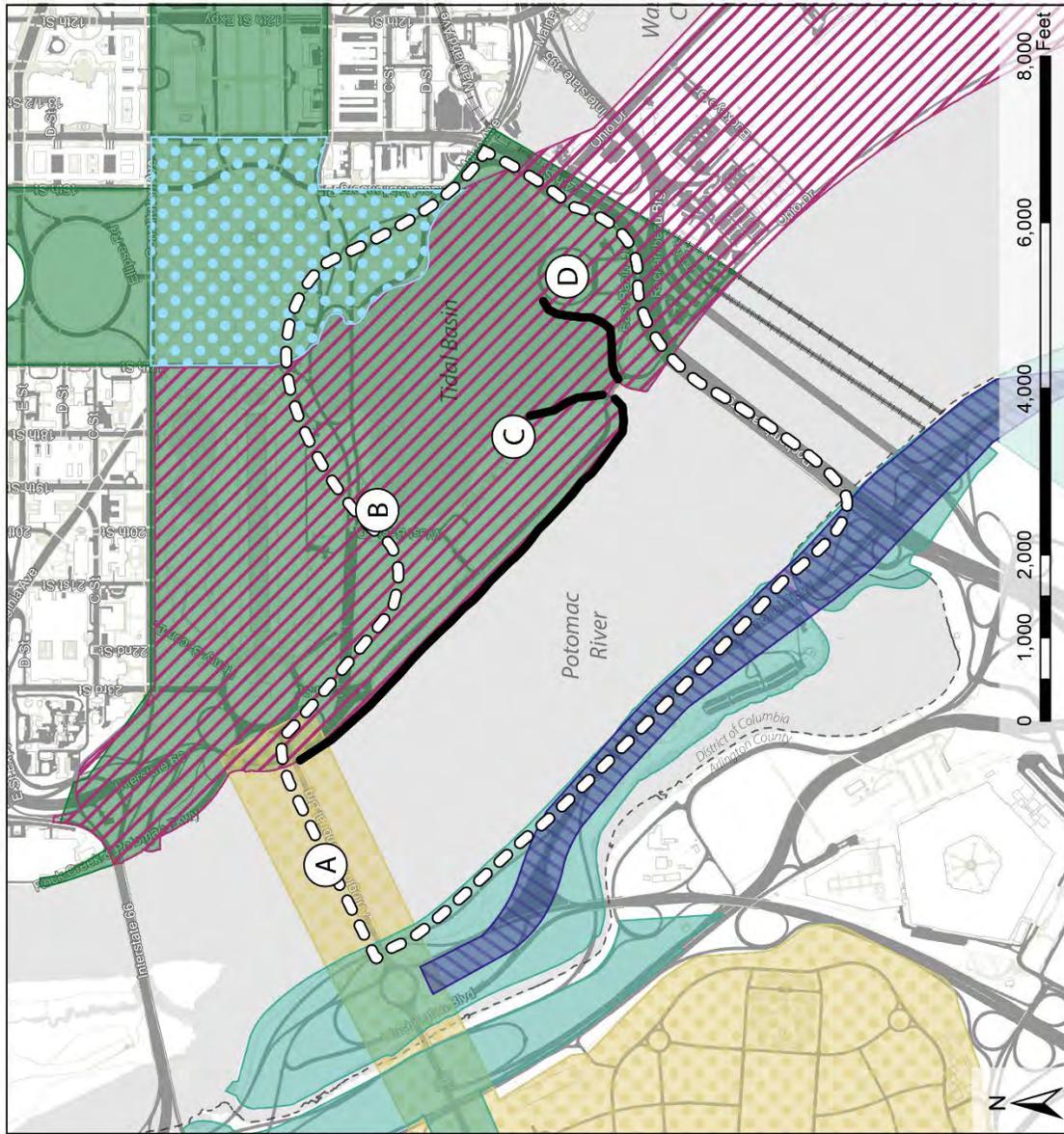
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Rufus Elliot, Monacan Indian Nation
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
	Erin Thompson	Historic Preservation Director	Delaware Nation	ethompson@delawarenation-nsn.gov
	Chuck Hoskin, Jr.	Principal Chief	Cherokee Nation	chuck-hoskin@cherokee.org
	Robert Gray	Chief	Pamunkey Indian Tribe	pamunkeytribe@pamunkey.org
	Frank Adams	Chief	Upper Mattaponi Indian Tribe	wfrankadams@verizon.net
	Reggie Tupponce	Tribal Administrator	Upper Mattaponi Indian Tribe	admin@umitribe.org
	Anne Richardson	Chief	Rappahannock Tribe	chiefannerich@aol.com
	Earl Bass	Chief	Nansemond Indian Nation	earlbass@gmail.com and Chief@nansemond.org
	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
	Stephen Adkins	Chief	Chickahominy Indian Tribe	stephenradkins@aol.com and chiefstephenadkins@gmail.com
	Dana Adkins	Tribal Environmental Director	Chickahominy Indian Tribe	dana.adkins@chickahominytribe.org
	Gerald Stewart	Chief	Chickahominy Tribe Eastern Division	wasandson@cox.net
	Kenneth Branham	Chief	Monacan Indian Nation	TribalOffice@MonacanNation.com
	Rufus Elliot	Tribal Administrator	Monacan Indian Nation	tribaladmin@monacannation.com
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	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
	Sarah Batcheler	Architect	US Commission of Fine Arts	flindstrom@cfa.gov
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United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Earl Bass
Chief
Nansemond Indian Nation
1001 Pembroke Lane
Suffolk, VA 23434

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Bass:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Nansemond Indian Nation to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

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VIRGINIA, WEST VIRGINIA

include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

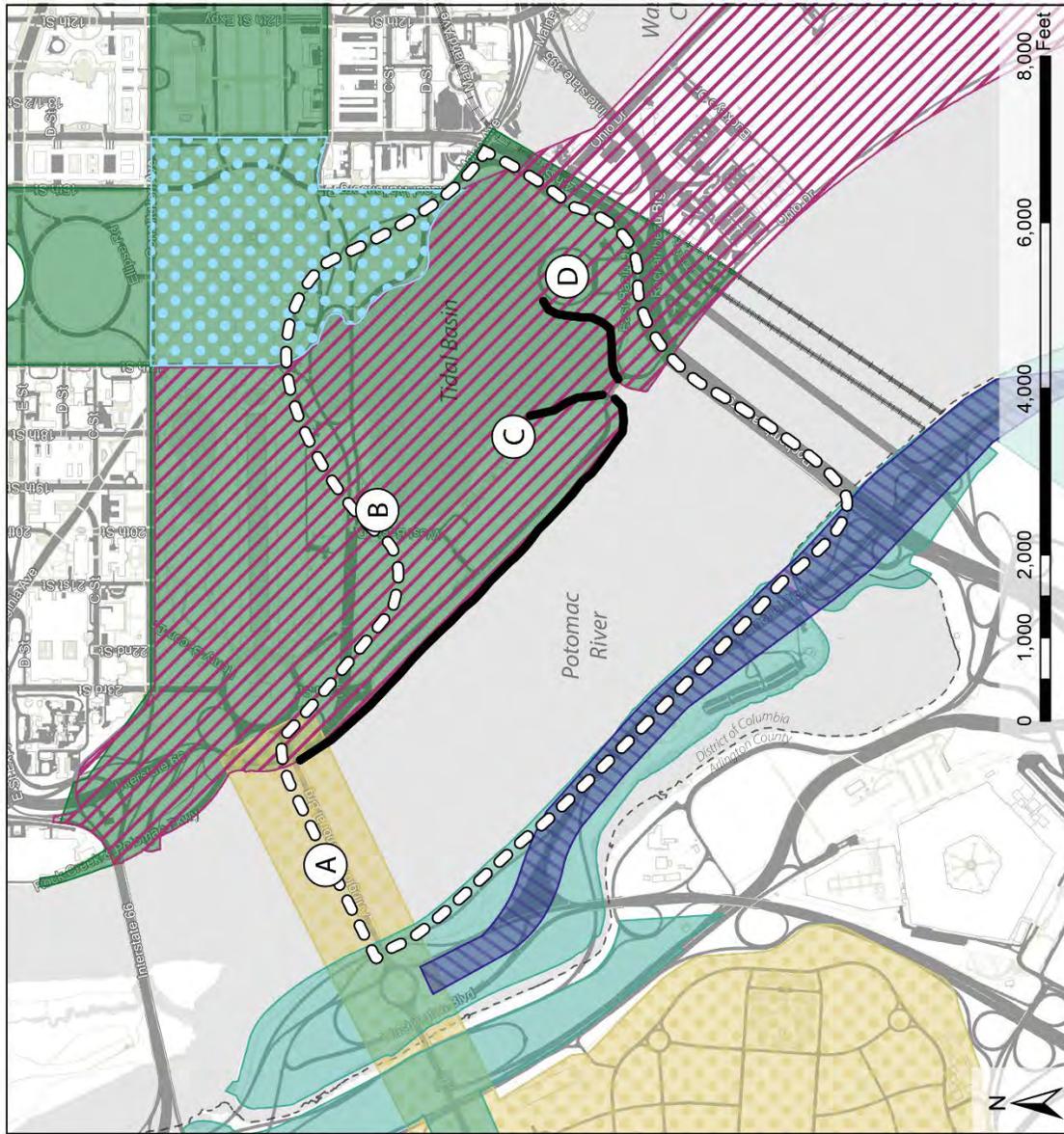
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Megan Bass, Nansemond Indian Nation
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
	Erin Thompson	Historic Preservation Director	Delaware Nation	ethompson@delawarenation-nsn.gov
	Chuck Hoskin, Jr.	Principal Chief	Cherokee Nation	chuck-hoskin@cherokee.org
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	Anne Richardson	Chief	Rappahannock Tribe	chiefannerich@aol.com
	Earl Bass	Chief	Nansemond Indian Nation	earlbass@gmail.com and Chief@nansemond.org
	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
	Stephen Adkins	Chief	Chickahominy Indian Tribe	stephenradkins@aol.com and chiefstephenadkins@gmail.com
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	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
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Section 106 Consultation Initiation

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Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
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	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Robert Gray
Chief
Pamunkey Indian Tribe
1054 Pocahontas Trail
King William, VA 23086

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Gray:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Pamunkey Indian Tribe to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

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include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

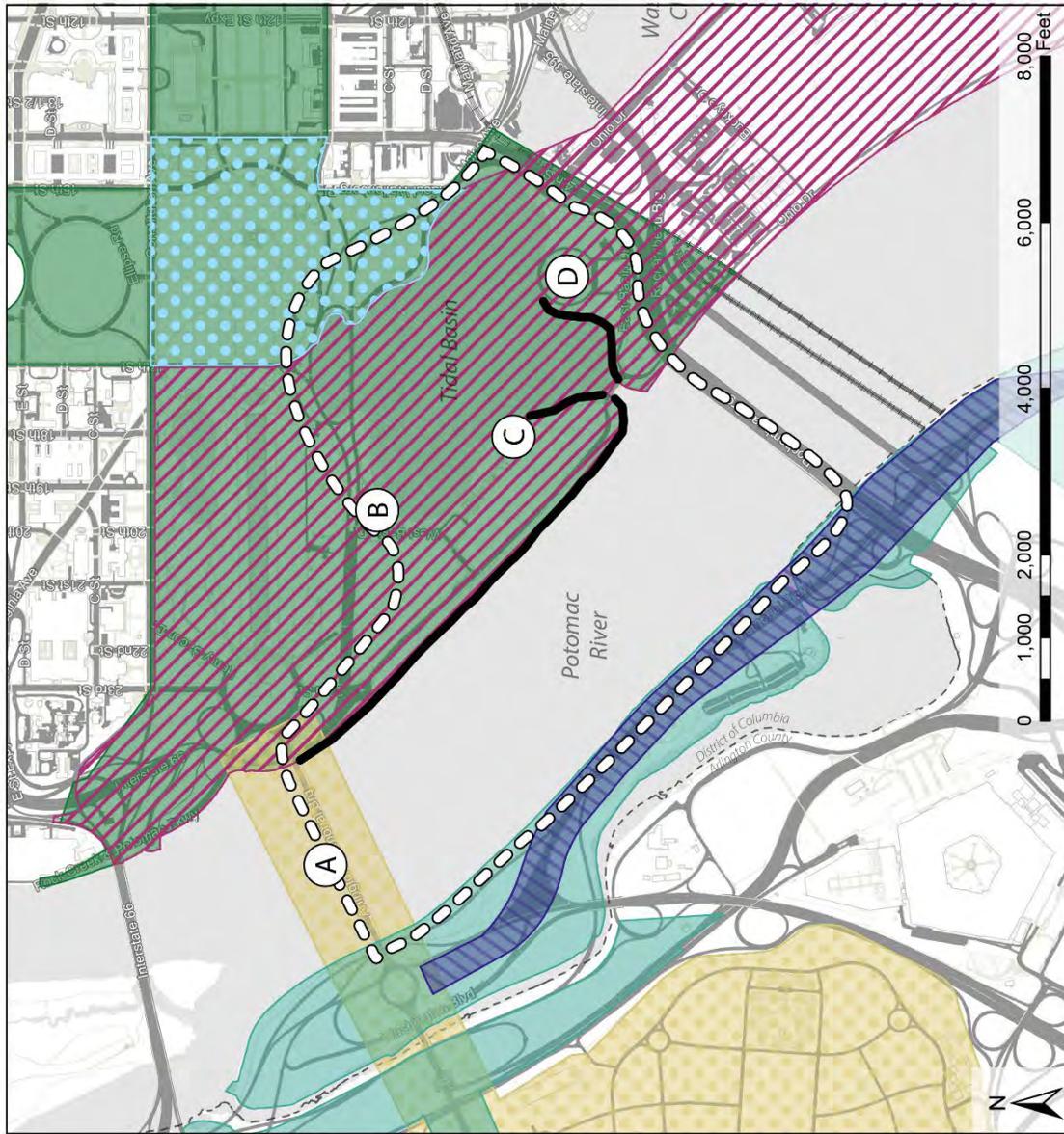
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- Key**
- Area of Potential Effects
 - Washington Monument and Grounds Historic District
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- A. Arlington Memorial Bridge
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Attachment B: Potential Consulting Parties

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Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
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	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
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	Marcel Acosta	Executive Director	National Capital Planning Commission	marcel.acosta@ncpc.gov
	Diane Sullivan	Director, Urban Design and Plan Review	National Capital Planning Commission	diane.sullivan@ncpc.gov
	Lee Webb	Historic Preservation Specialist	National Capital Planning Commission	lee.webb@ncpc.gov
	David Maloney	State Historic Preservation Officer	DC Historic Preservation Office	david.maloney@dc.gov
	Andrew Lewis	Senior Historic Preservation Specialist	DC Historic Preservation Office	andrew.lewis@dc.gov
	Julie Langan	State Historic Preservation Officer	Virginia Department of Historic Resources	julie.langan@dhr.virginia.gov
	Tim Roberts	National Park Service Reviewer	Virginia Department of Historic Resources	tim.roberts@dhr.virginia.gov
	Genevieve LaRouche	Project Leader, Chesapeake Bay Field Office	US Fish and Wildlife Service	genevieve_larouche@fws.gov
	Jonathan Greene	Community Planner	Ward 2	jonathan.greene@dc.gov
ANCs	Joel Causey	Chair	ANC2A	2A@anc.dc.gov
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	Teresa Durkin	Executive Vice President	Trust for the National Mall	tdurkin@nationalmall.org
	Laura Brower Hagood	Executive Director	Historical Society of Washington DC	lhagood@dchistory.com
	Betsy Merritt	Deputy General Council	National Trust for Historic Preservation	bmerritt@savingplaces.org
	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Anne Richardson
Chief
Rappahannock Tribe
5036 Indian Neck Road
Indian Neck, VA 23148

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Richardson:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Rappahannock Tribe to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

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VIRGINIA, WEST VIRGINIA

include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

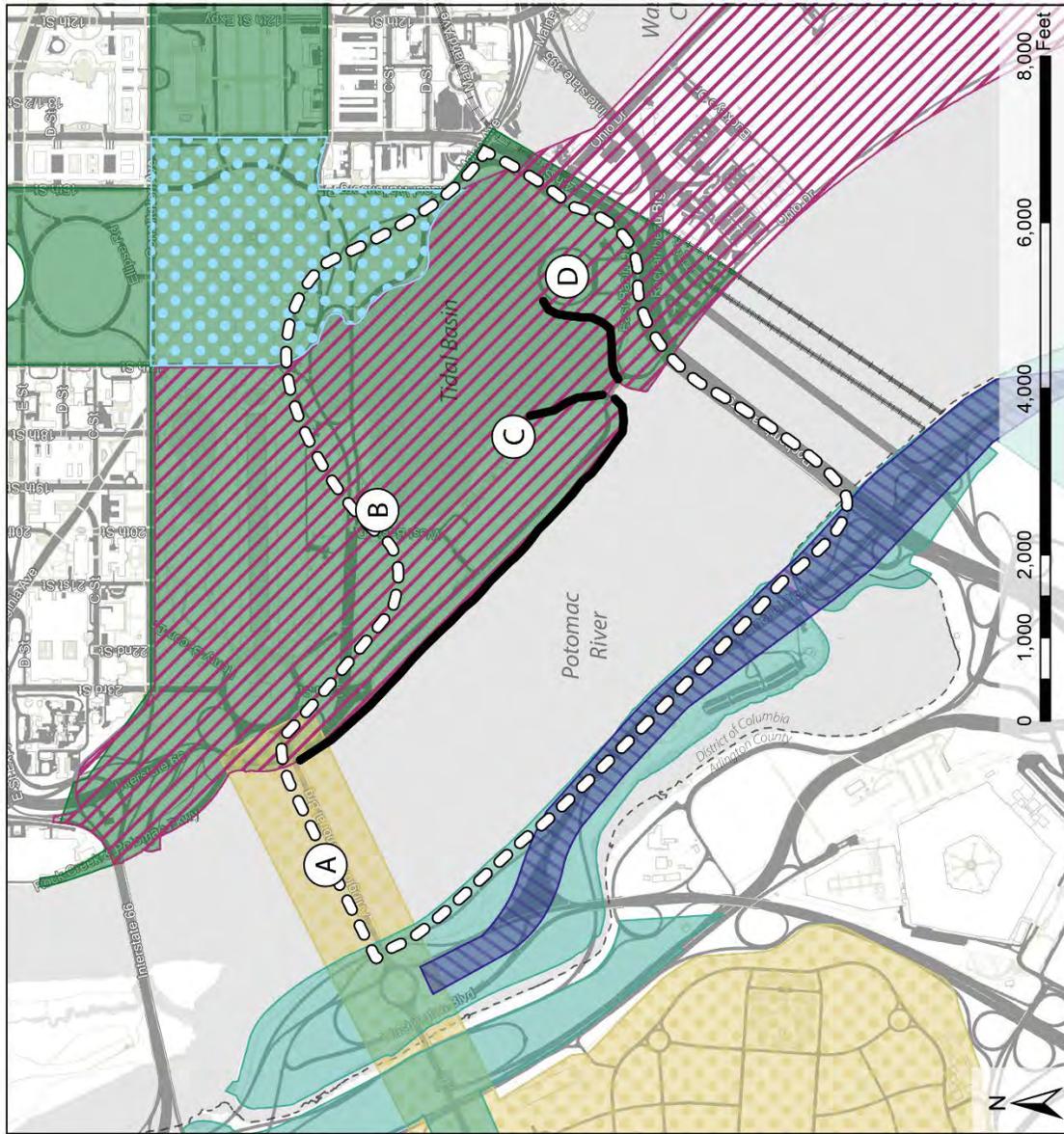
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
	Erin Thompson	Historic Preservation Director	Delaware Nation	ethompson@delawarenation-nsn.gov
	Chuck Hoskin, Jr.	Principal Chief	Cherokee Nation	chuck-hoskin@cherokee.org
	Robert Gray	Chief	Pamunkey Indian Tribe	pamunkeytribe@pamunkey.org
	Frank Adams	Chief	Upper Mattaponi Indian Tribe	wfrankadams@verizon.net
	Reggie Tupponce	Tribal Administrator	Upper Mattaponi Indian Tribe	admin@umitribe.org
	Anne Richardson	Chief	Rappahannock Tribe	chiefannerich@aol.com
	Earl Bass	Chief	Nansemond Indian Nation	earlbass@gmail.com and Chief@nansemond.org
	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
	Stephen Adkins	Chief	Chickahominy Indian Tribe	stephenradkins@aol.com and chiefstephenadkins@gmail.com
	Dana Adkins	Tribal Environmental Director	Chickahominy Indian Tribe	dana.adkins@chickahominytribe.org
	Gerald Stewart	Chief	Chickahominy Tribe Eastern Division	wasandson@cox.net
	Kenneth Branham	Chief	Monacan Indian Nation	TribalOffice@MonacanNation.com
	Rufus Elliot	Tribal Administrator	Monacan Indian Nation	tribaladmin@monacannation.com
	William "Bill" Harris	Chief	Catawba Indian Nation	bill.harris@catawbaindian.net
	Wenonah George Haire	THPO	Catawba Indian Nation	wenonah.haire@catawba.com
	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma	jjohnson@astribe.com
	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
	Sarah Batcheler	Architect	US Commission of Fine Arts	flindstrom@cfa.gov
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United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Benjamin Barnes
Chief
Shawnee Tribe
29 South Highway 69A
Miami, OK 74354

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Barnes:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Shawnee Tribe to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

The project is broken down into four locations: approximately 4,670 feet in West Potomac Park along the Potomac River, separated by wall type in the north and south, along with approximately 800 feet west of the Inlet Bridge on the Tidal Basin, and approximately 1,200 feet east of the Inlet Bridge on the Tidal Basin. The proposal is to rehabilitate and reconstruct the seawalls and adjacent infrastructure. The actual seawalls will be reconstructed to their historic functional height to protect West Potomac Park and the Tidal Basin between the Jefferson Memorial and FDR Memorial, while meeting the requirements of park visitation and addressing the estimated changes in future water levels. Repairs to the surrounding infrastructure may

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VIRGINIA, WEST VIRGINIA

include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

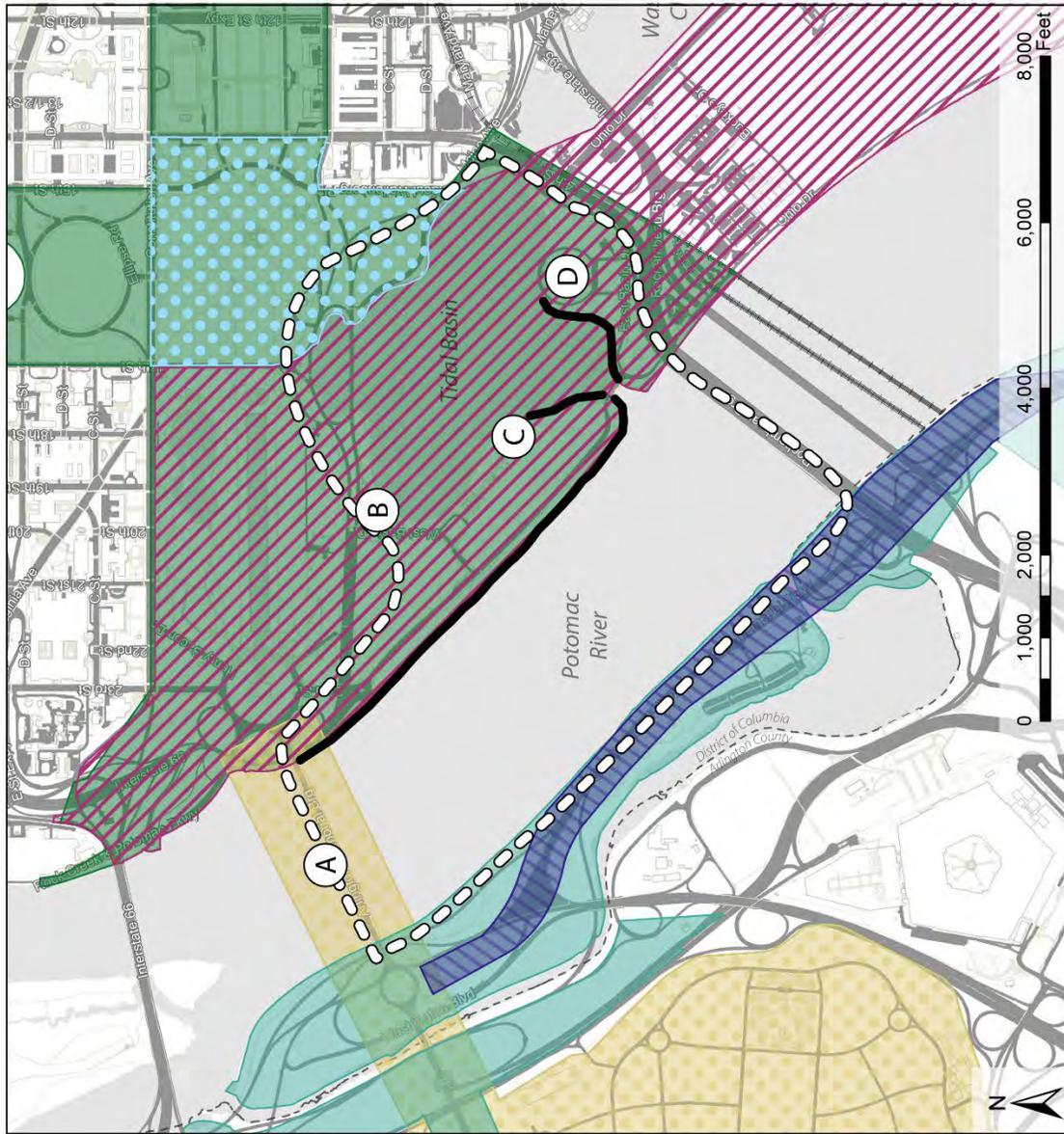
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Tonya Tipton, Shawnee Tribe
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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
-  Proposed extent of seawall project

Attachment B: Potential Consulting Parties

NAMA 318722				
POTENTIAL CONSULTING PARTIES				
	NAME	TITLE	AGENCY	EMAIL
Tribes	Deborah Dotson	President	Delaware Nation	ec@delawarenation-nsn.gov
	Erin Thompson	Historic Preservation Director	Delaware Nation	ethompson@delawarenation-nsn.gov
	Chuck Hoskin, Jr.	Principal Chief	Cherokee Nation	chuck-hoskin@cherokee.org
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	Reggie Tupponce	Tribal Administrator	Upper Mattaponi Indian Tribe	admin@umitribe.org
	Anne Richardson	Chief	Rappahannock Tribe	chiefannerich@aol.com
	Earl Bass	Chief	Nansemond Indian Nation	earlbass@gmail.com and Chief@nansemond.org
	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
	Stephen Adkins	Chief	Chickahominy Indian Tribe	stephenradkins@aol.com and chiefstephenadkins@gmail.com
	Dana Adkins	Tribal Environmental Director	Chickahominy Indian Tribe	dana.adkins@chickahominytribe.org
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	William "Bill" Harris	Chief	Catawba Indian Nation	bill.harris@catawbaindian.net
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	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma	jjohnson@astribe.com
	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
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	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net



United States Department of the Interior

National Mall and Memorial Parks
National Park Service
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

IN REPLY REFER TO:

May 19, 2022

Frank Adams
Chief
Upper Mattaponi Indian Tribe
13476 King William Road
King William, VA 23086

Re: Initiation of Section 106 Consultation, Rehabilitate Tidal Basin and West Potomac Park Seawalls

Dear Chief Adams:

The National Park Service (NPS) is preparing a plan and corresponding Environmental Assessment (EA) to rehabilitate and reconstruct approximately 6,800 feet of the seawall in the Tidal Basin and West Potomac Park that are administered by National Mall and Memorial Parks (Park). The NPS understands the Upper Mattaponi Indian Tribe to have interest in the preservation of Native American cultural resources of significance in this region and is writing to formally initiate consultation in compliance with Section 106 of the National Historic Preservation Act (NHPA) (54 U.S.C. § 306108) and its implementing regulations (36 CFR § 800).

Project Undertaking

To mitigate flooding and siltation issues in this area of the Potomac River, the US Army Corps of Engineers initiated a land reclamation project in the late nineteenth-century resulting in new parkland. Stone seawalls were constructed to line and contain the new parkland and prevent erosion. Portions of the original seawalls date to the 1870s, other sections have been repaired or moved over time, including a significant portion for the construction of the Jefferson Memorial in the late 1930s and the northern end of West Potomac Park. The seawalls are in a deteriorated condition and land settlement combined with sea level rise create continuous flooding in the Park areas.

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include grading, stormwater control, pedestrian/multi-use paths, curbing, and replacement in-kind of any construction damage to the landscape and trees.

Section 106 and Historic Properties

To prepare for the Section 106 consultation process, the NPS has developed a graphic illustration of the draft Area of Potential Effects (APE) provided as Attachment A. The draft APE is intended as a basis for discussion and is subject to modification through the consultation process. The draft APE includes potential visual and physical effects, from the Virginia shoreline and from construction staging areas and the area within the Limits of Disturbance for construction of the project.

A preliminary list of historic resources within the draft APE includes National Mall Historic District, Washington Monument and Grounds Historic District, East and West Potomac Parks Historic District, Mount Vernon Memorial Highway Historic District, George Washington Memorial Parkway Historic District, and the Arlington National Cemetery Historic District, all of which are listed in the National Register of Historic Places (NRHP). Additional individually NRHP-listed resources include Arlington Memorial Bridge and Related Features, Martin Luther King, Jr., Memorial, Franklin Delano Roosevelt Memorial, and Thomas Jefferson Memorial.

The NPS will work with you and other consulting parties to finalize a formal determination of effect through the Section 106 consultation process. A list of potential consulting parties can be found in Attachment B. We look forward to working with you as we further develop concepts to rehabilitate, and reconstruct failing seawalls located in the Park.

Section 106 and NEPA Coordination

In accordance with the National Environmental Policy Act (NEPA), NPS will prepare an EA to analyze potential impacts of the proposed rehabilitation and reconstruction of the seawalls. NPS plans to coordinate the Section 106 and NEPA processes per the implementing regulations (36 CFR § 800.8) of the NHPA. The NPS will also develop an Assessment of Effect Report for this project as a separate, but parallel, process to the EA.

We look forward to beginning the Section 106 consultation process for this project. If you have any questions or have preliminary feedback related to the project, draft APE, historic properties, and potential consulting parties, please contact Catherine Dewey, Chief of Resource Management, at catherine_dewey@nps.gov or 202-510-1117.

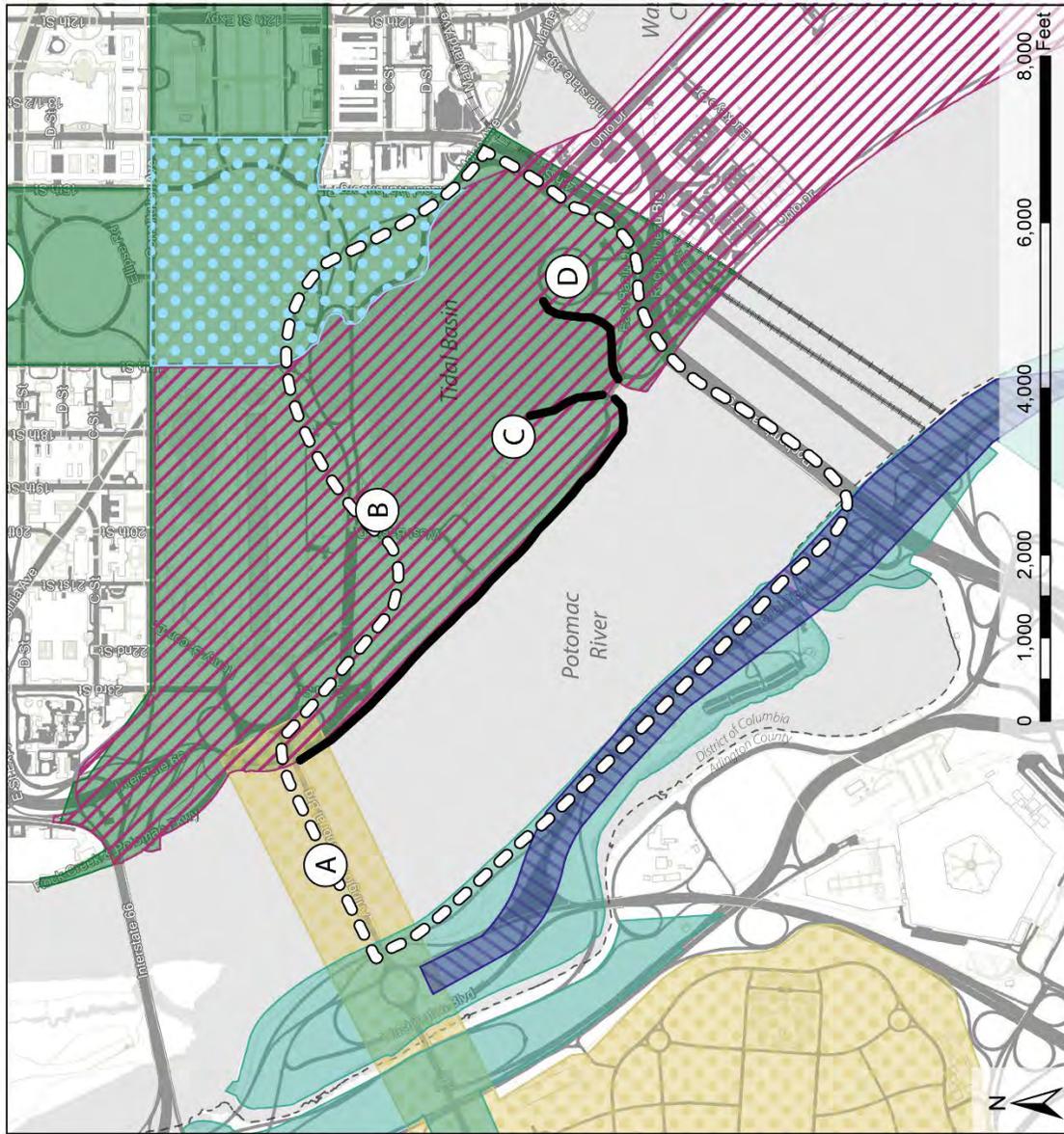
Sincerely,

Jeffrey P. Reinbold
Superintendent
National Mall and Memorial Parks

Attachments: A: Draft Area of Potential Effects Map
B: List of Potential Consulting Parties

cc: Reggie Tupponce, Upper Mattaponi Indian Tribe
Tammy Stidham, NPS
Catherine Dewey, NPS

Attachment A: Draft Area of Potential Effects Map



- 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**
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 - B. Martin Luther King Jr., Memorial
 - C. Franklin Delano Roosevelt Memorial
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- Proposed extent of seawall project

Attachment B: Potential Consulting Parties

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POTENTIAL CONSULTING PARTIES				
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	Megan Bass		Nansemond Indian Nation	administrator@nansemond.org
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	Gerald Stewart	Chief	Chickahominy Tribe Eastern Division	wasandson@cox.net
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	Rufus Elliot	Tribal Administrator	Monacan Indian Nation	tribaladmin@monacannation.com
	William "Bill" Harris	Chief	Catawba Indian Nation	bill.harris@catawbaindian.net
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	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma	jjohnson@astribe.com
	Tonya Tipton	THPO	Shawnee Tribe	tonya@shawnee-tribe.com
Benjamin Barnes	Chief	Shawnee Tribe	chief@shawnee-tribe.com	

Section 106 Consultation Initiation

	NAME	TITLE	AGENCY	EMAIL
Agencies	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation	kkulis@achp.gov
	Thomas Luebke	Secretary	US Commission of Fine Arts	tluebke@cfa.gov
	Dan Fox	Historic Preservationist	US Commission of Fine Arts	dfox@cfa.gov
	Sarah Batcheler	Architect	US Commission of Fine Arts	flindstrom@cfa.gov
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	Diane Sullivan	Director, Urban Design and Plan Review	National Capital Planning Commission	diane.sullivan@ncpc.gov
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	Genevieve LaRouche	Project Leader, Chesapeake Bay Field Office	US Fish and Wildlife Service	genevieve_larouche@fws.gov
	Jonathan Greene	Community Planner	Ward 2	jonathan.greene@dc.gov
ANCs	Joel Causey	Chair	ANC2A	2A@anc.dc.gov
Preservation Advocacy Groups	Rebecca Miller	Executive Director	DC Preservation League	rebecca@dcpreservation.org
	Catherine Townsend	President and CEO	Trust for the National Mall	ctownsend@nationalmall.org
	Teresa Durkin	Executive Vice President	Trust for the National Mall	tdurkin@nationalmall.org
	Laura Brower Hagood	Executive Director	Historical Society of Washington DC	lhagood@dchistory.com
	Betsy Merritt	Deputy General Council	National Trust for Historic Preservation	bmerritt@savingplaces.org
	Kirby Vining	Chair	Committee of 100 on the Federal City	info@committeeof100.net

NAMA 318722			
POTENTIAL CONSULTING PARTIES			
	NAME	TITLE	AGENCY
Tribes	Deborah Dotson	President	Delaware Nation
	Erin Thompson	Historic Preservation Director	Delaware Nation
	Chuck Hoskin, Jr.	Principal Chief	Cherokee Nation
	Robert Gray	Chief	Pamunkey Indian Tribe
	Frank Adams	Chief	Upper Mattaponi Indian Tribe
	Reggie Tupponce	Tribal Administrator	Upper Mattaponi Indian Tribe
	Anne Richardson	Chief	Rappahannock Tribe
	Kieth F. Anderson	Chief	Nansemond Indian Nation
	Megan Bass		Nansemond Indian Nation
	Stephen Adkins	Chief	Chickahominy Indian Tribe
	Dana Adkins	Tribal Environmental Director	Chickahominy Indian Tribe
	Gerald Stewart	Chief	Chickahominy Tribe Eastern Division
	Kenneth Branham	Chief	Monacan Indian Nation
	Rufus Elliot	Tribal Administrator	Monacan Indian Nation
	William "Bill" Harris	Chief	Catawba Indian Nation
	Wenonah George Haire	THPO	Catawba Indian Nation
	Caitlin Roger		Catabwa Indian Tribe
	John Johnson	Governor	Absentee Shawnee Tribe of Indians of Oklahoma
	Tonya Tipton	THPO	Shawnee Tribe
	Benjamin Barnes	Chief	Shawnee Tribe
	Kirsten Kulis	NPS Liaison	Advisory Council on Historic Preservation

Agencies	Thomas Luebke	Secretary	US Commission of Fine Arts
	Dan Fox	Historic Preservationist	US Commission of Fine Arts
	Sarah Batcheler	Architect	US Commission of Fine Arts
	Marcel Acosta	Executive Director	National Capital Planning Commission
	Diane Sullivan	Director, Urban Design and Plan Review	National Capital Planning Commission
	Lee Webb	Historic Preservation Specialist	National Capital Planning Commission
	David Maloney	State Historic Preservation Officer	DC Historic Preservation Office
	Andrew Lewis	Senior Historic Preservation Specialist	DC Historic Preservation Office
	Julie Langan	State Historic Preservation Officer	Virginia Department of Historic Resources
	Tim Roberts	National Park Service Reviewer	Virginia Department of Historic Resources
	Genevieve LaRouche	Project Leader, Chesapeake Bay Field Office	US Fish and Wildlife Service
	Jonathan Greene	Community Planner	Ward 2
ANCs	Joel Causey	Chair	ANC2A
Preservation Advocacy Groups	Rebecca Miller	Executive Director	DC Preservation League
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	Laura Brower Hagood	Executive Director	Historical Society of Washington DC
	Betsy Merritt	Deputy General Council	National Trust for Historic Preservation
	Kirby Vining	Chair	Committee of 100 on the Federal City

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ethompson@delawarenation-nsn.gov	PO Box 825	Anadarko, OK 73005	405-247-2448 Ext 1403
chuck-hoskin@cherokee.org	PO Box 984	Tahlequah, OK 74465	918-456-0671
pamunkeytribe@pamunkey.org	1054 Pocahontas Trail	King William, VA 23086	804-843-2353
wfrankadams@verizon.net	13476 King William Road	King William, VA 23086	804-769-0041
admin@umitribe.org	13476 King William Road	King William, VA 23086	804-769-0041
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tribaladmin@monacannation.com	111 High View Drive	Madison Heights, VA 24572	434-363-4879
bill.harris@catawbaindian.net	996 Avenue of the Nations	Rock Hill, SC 29730	803-366-4792
wenonah.haire@catawba.com	1536 Tom Steven Road	Rock Hill, SC 29730	803-328-2427 Ext 224
	1536 Tom Steven Road	Rock Hill, SC 29730	
jjohnson@astribe.com	2025 South Gordon Cooper Drive	Shawnee, OK 74801	405-275-4030
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kkulis@achp.gov	400 F Street, NW Suite 308	Washington, DC 20000	202-517-0217

tluebke@cfa.gov	401 F Street, NW Suite 312	Washington, DC 20001	202-504-2200
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flindstrom@cfa.gov	402 F Street, NW Suite 312	Washington, DC 20002	202-504-2200
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tim.roberts@dhr.virginia.gov	2801 Kensington Avenue	Richmond, VA 23221	804-482-6446
genevieve_larouche@fws.gov	1849 C Street, NW	Washington, DC 20240	
jonathan.greene@dc.gov	1100 4th Street, SE Suite E650	Washington, DC 20024	202-442-8816
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tdurkin@nationalmall.org	1300 Pennsylvania Avenue, NW, Suite 370	Washington, DC 20004	202-407-9408
lhagood@dchistory.com	801 K Street, NW	Washington, DC 20001	202-516-1363 Ext 304
bmerritt@savingplaces.org	2600 Virginia Avenue, NW Suite 1100	Washington, DC 20037	202-588-6000
info@committeeof100.net	945 G Street, NW	Washington, DC 20001	202-681-0225

WEBSITE
https://www.delawarenation-nsn.gov/historic-preservation-office/#Section106
https://www.delawarenation-nsn.gov/historic-preservation-office/#Section106
http://cherokee.org
https://pamunkey.org/
https://www.achp.gov/

<https://www.cfa.gov>

<https://www.cfa.gov>

<https://www.cfa.gov>

<https://www.ncpc.gov/>

<https://www.ncpc.gov/>

<https://planning.dc.gov/page/historic-preservation-office>

<https://planning.dc.gov/page/historic-preservation-office>

<https://planning.dc.gov/page/about-ward-1>

<http://anc1d.org>

<https://www.dcpreservation.org>

<https://nationalmall.org/>

<https://nationalmall.org/>

<http://www.dchistory.org>

<https://savingplaces.org/>

<http://committeeof100.net>

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



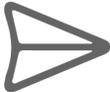


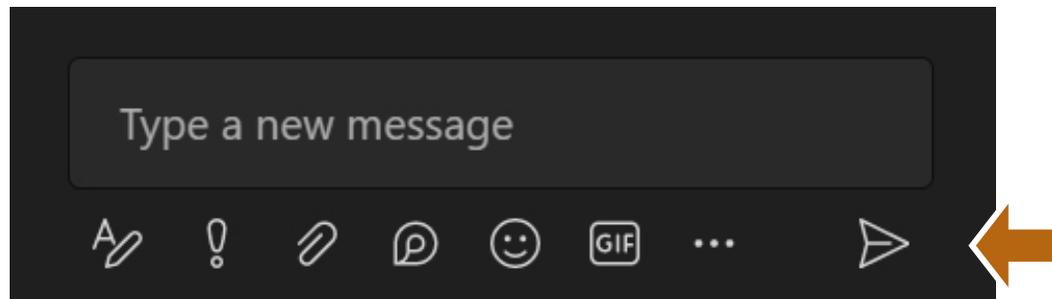
How to Ask a Question

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



1884 Sachse Map (LOC)

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

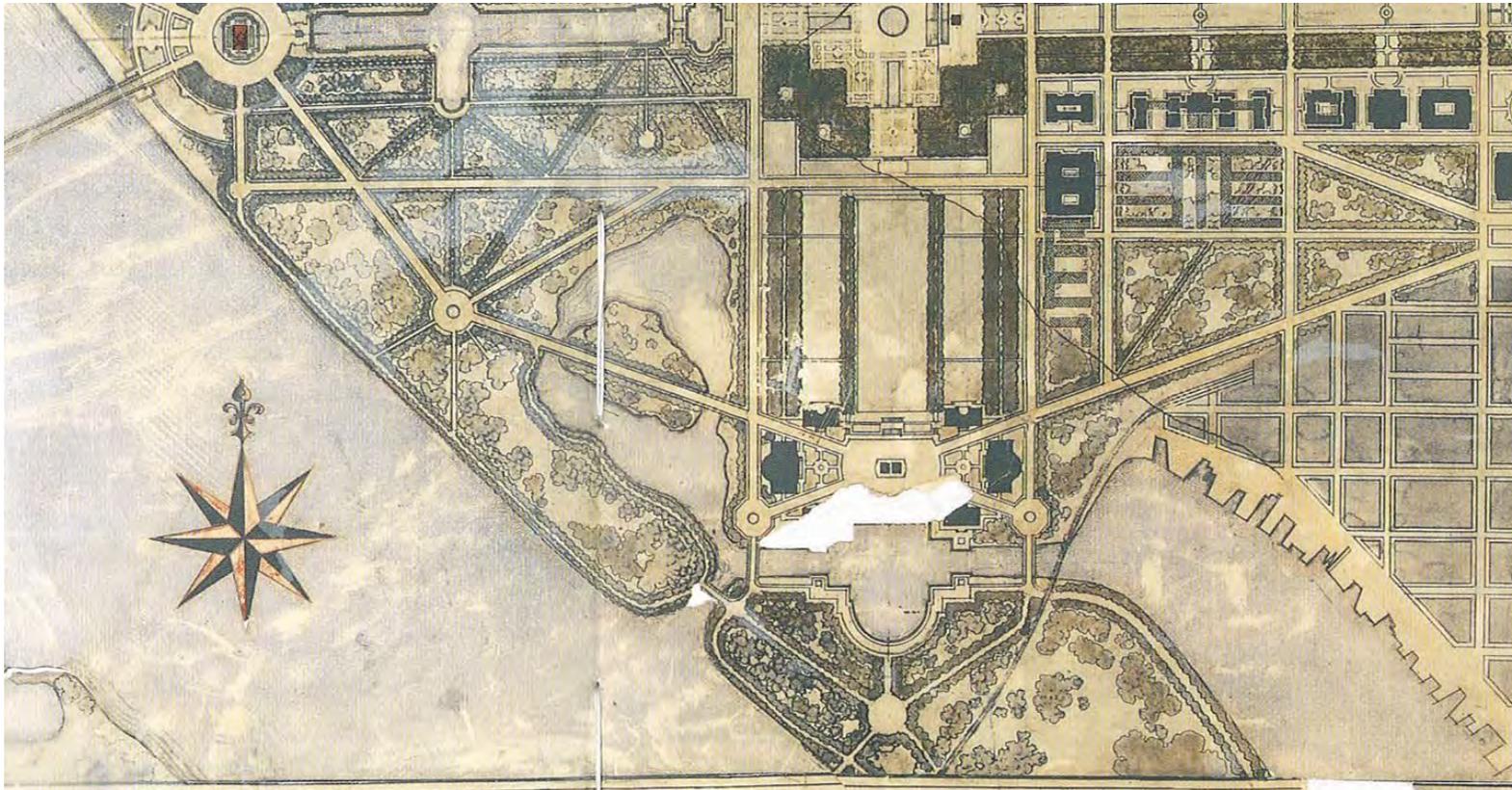
1875: Sylvanus Thayer Abert first proposed filling in Potomac Flats to reclaim land.

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





Tidal Basins



1901 Sachse Map (LOC)

Design went through many iterations.

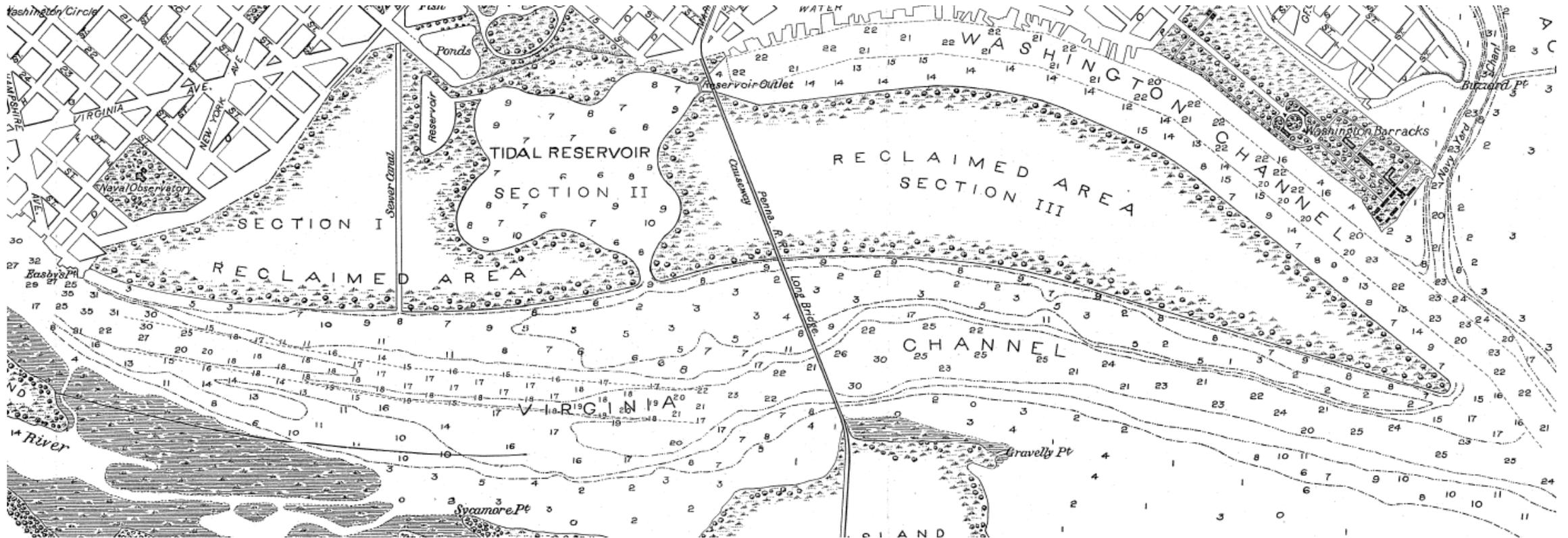
Between 1882 and 1896, ACOE dredged more than 12 million cubic yards to create more than 600 acres of new land.

Formally declared a public park in 1897.





Reclamation Effort

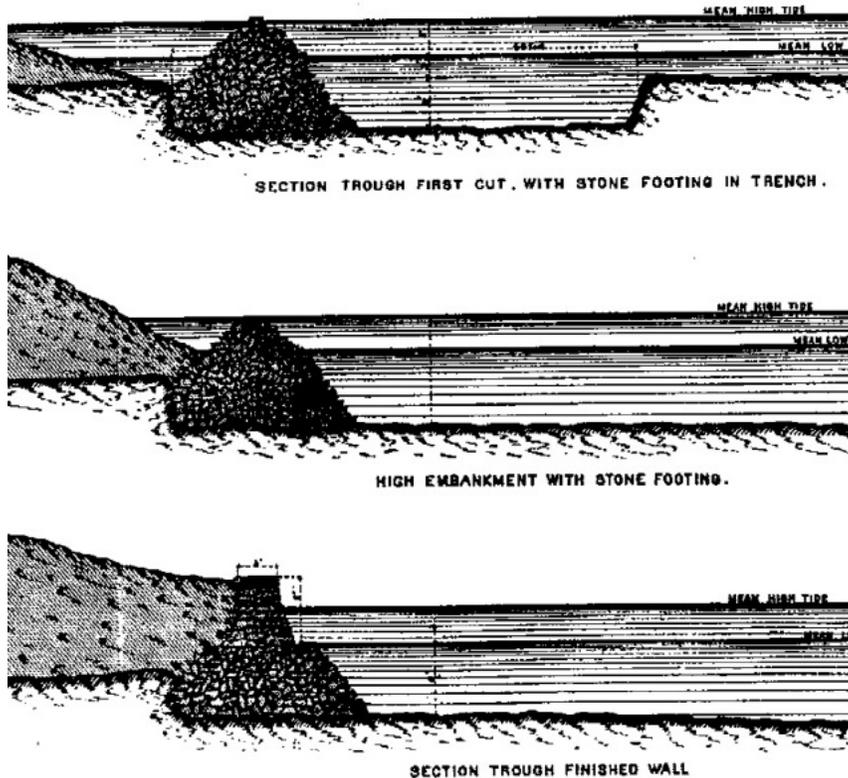


Progress map 1896 (ACOE)

1896



Walls

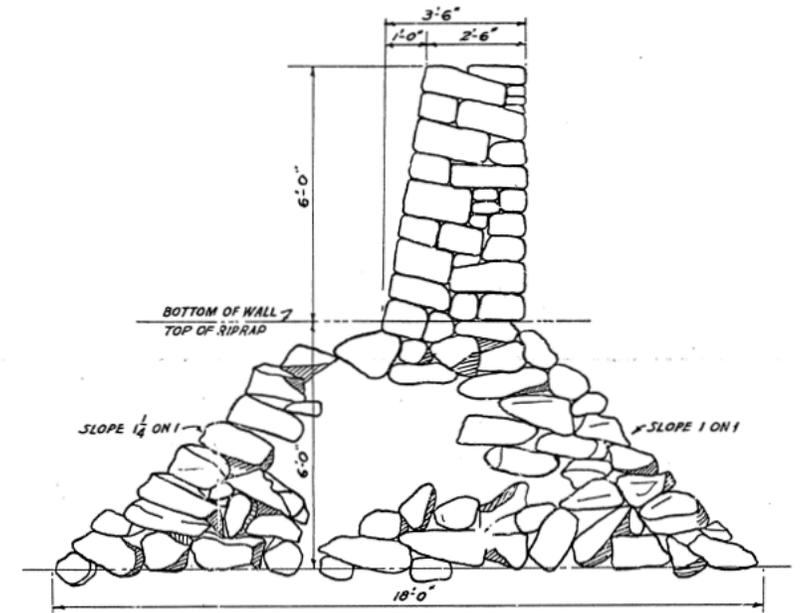


c. 1885 Hains' Diagram (NPS)

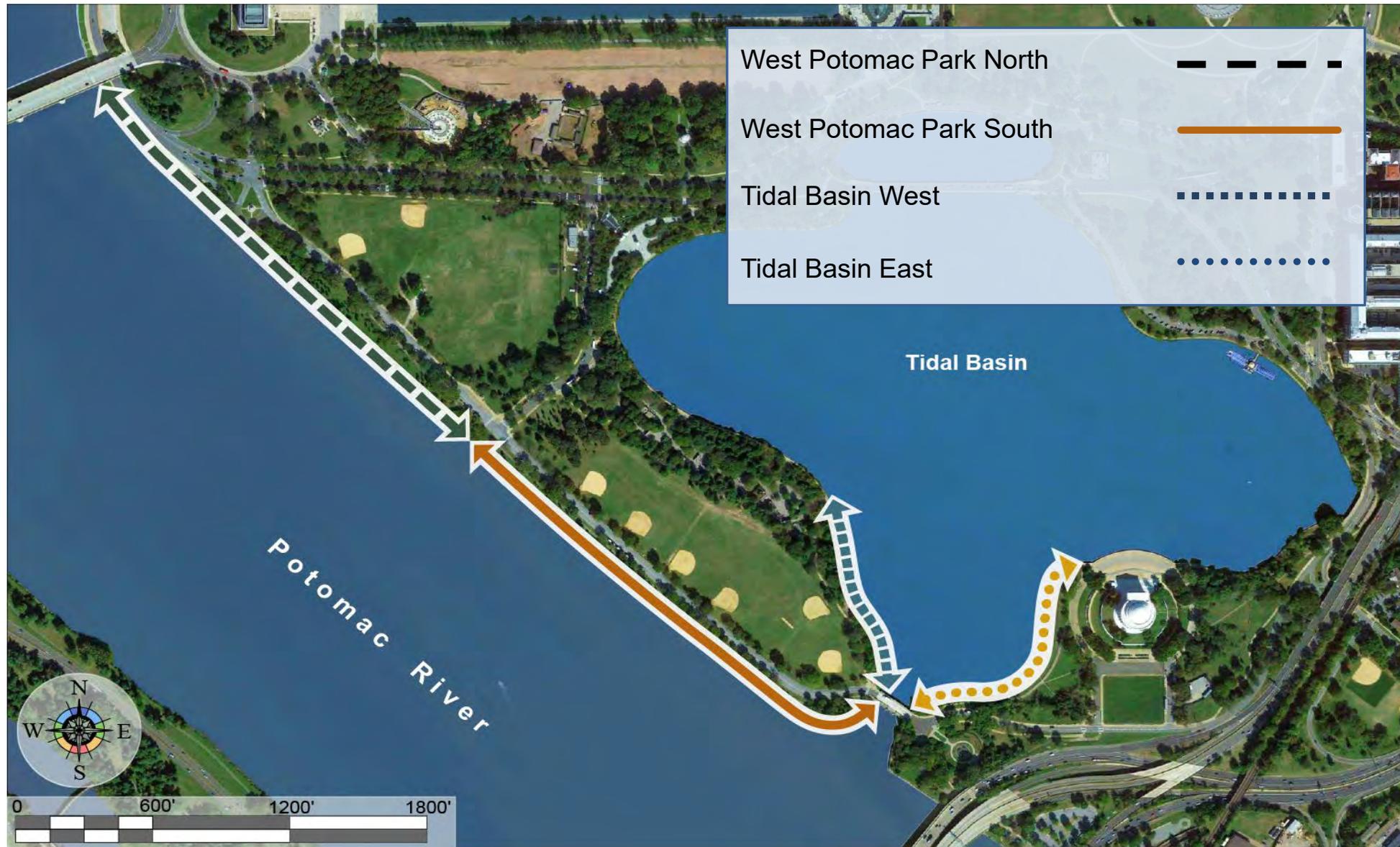
Most foundations constructed by late-1880s.

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

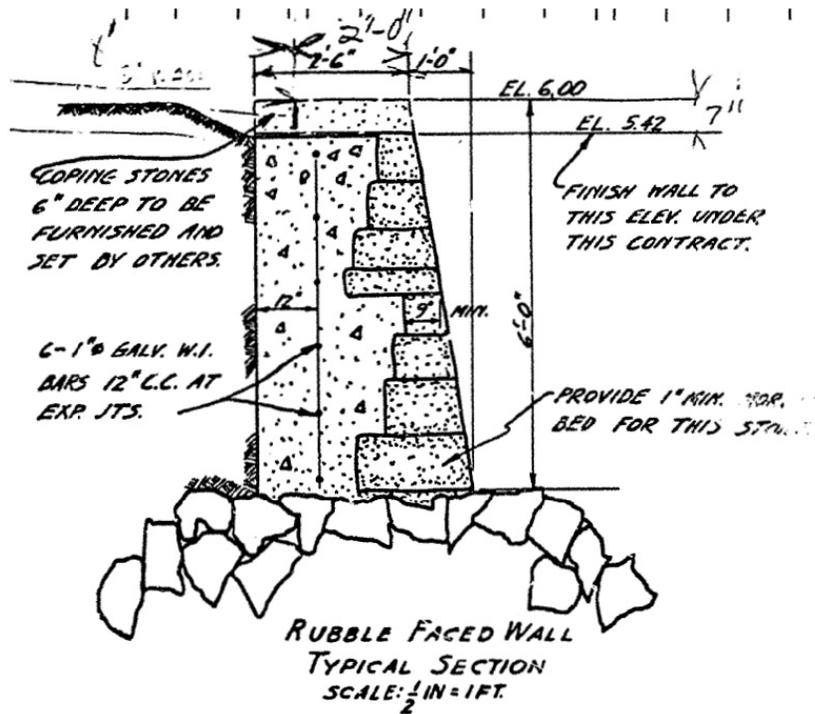


- Late 1930s: Tidal Basin adjusted for Jefferson Memorial
- 1940: New seawall alignment completed
- 1942: Railing extended around Tidal Basin
- Railing removed at unknown date





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

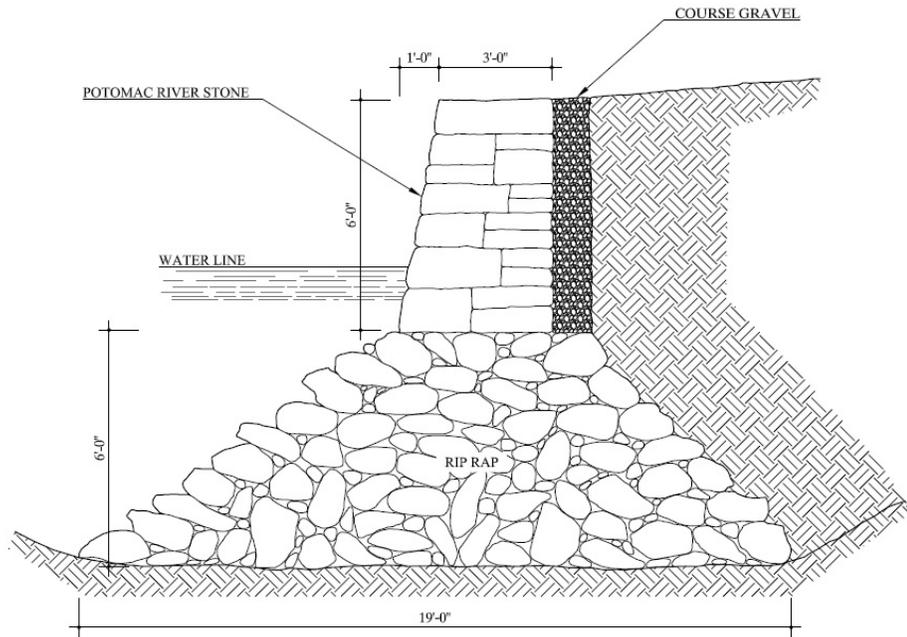


- 1909: Walls reconstructed due to construction of Inlet Bridge
- 1941: Seawall coping added – 8” thick concrete coping
- 1942: Railing extended around Tidal Basin
- Railing removed at unknown date





Tidal Basin West



TYPICAL ORIGINAL SECTION - WALLS B, C (1907)

1/2" = 1'-0"

1:24

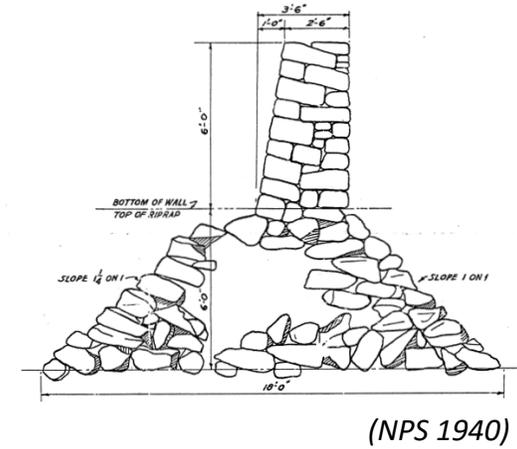
Section from Cultural Landscape Report (NPS)





West Potomac Park South

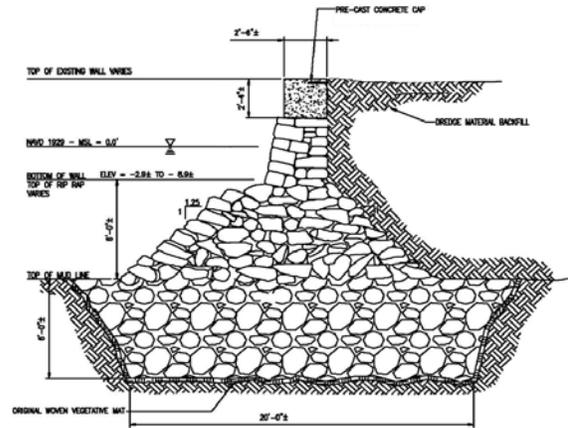
- 1884: Foundations completed
- 1890-1891: Top of wall completed
- Riprap and other materials continued to be added as late as the 1990s





West Potomac Park North

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



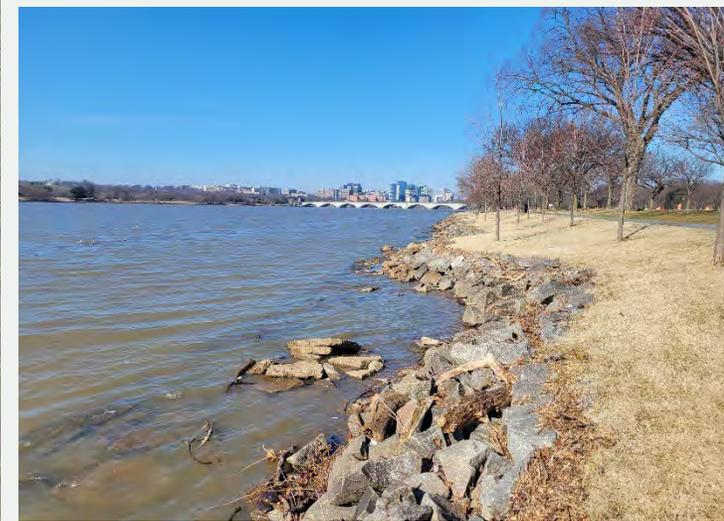
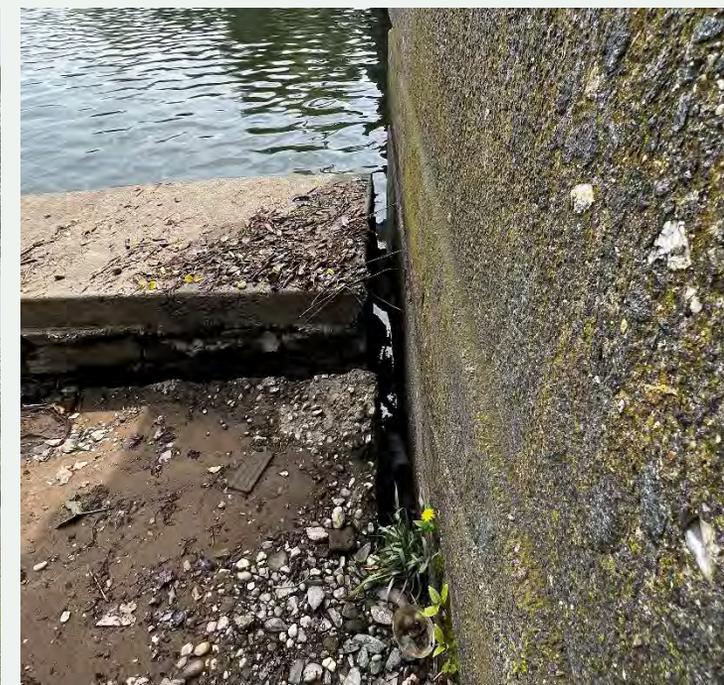
Assumed Concrete Repair (Dewberry 2011)





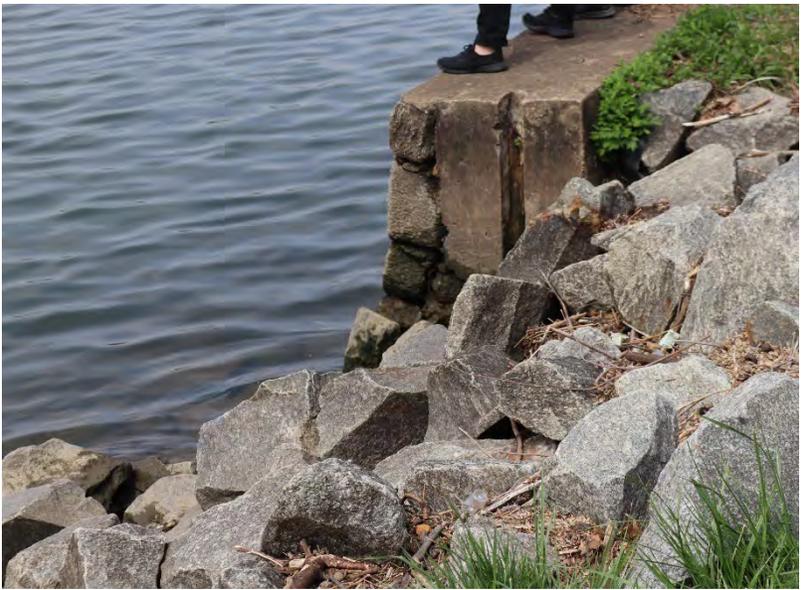
04

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

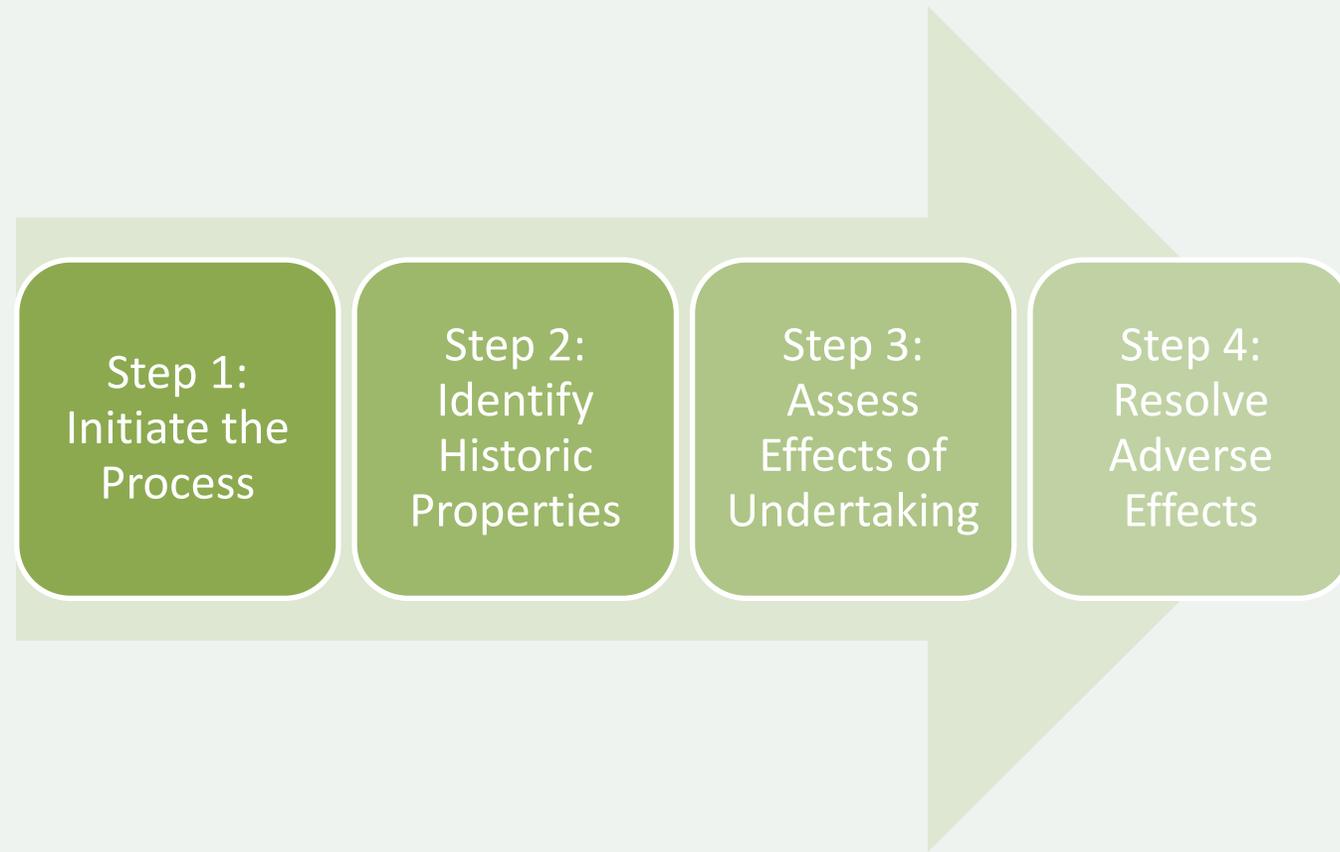




Consulting Parties

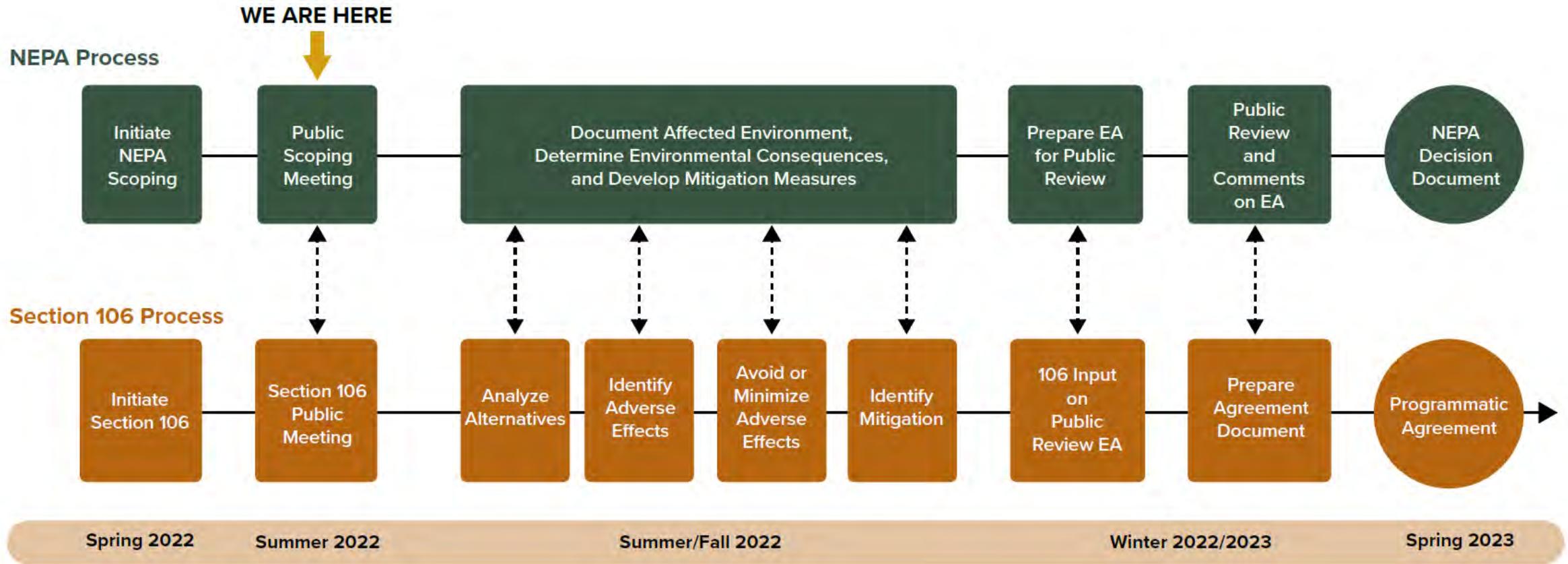
- NPS National Capital Region
- NPS National Mall and Memorial Parks
- DC Historic Preservation Office (DC SHPO)
- Virginia Department of Historic Resources (VA SHPO)
- THPOs
- National Capital Planning Commission
- Commission of Fine Arts
- Advisory Council on Historic Preservation
- DC Preservation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





Section 106 Consultation

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

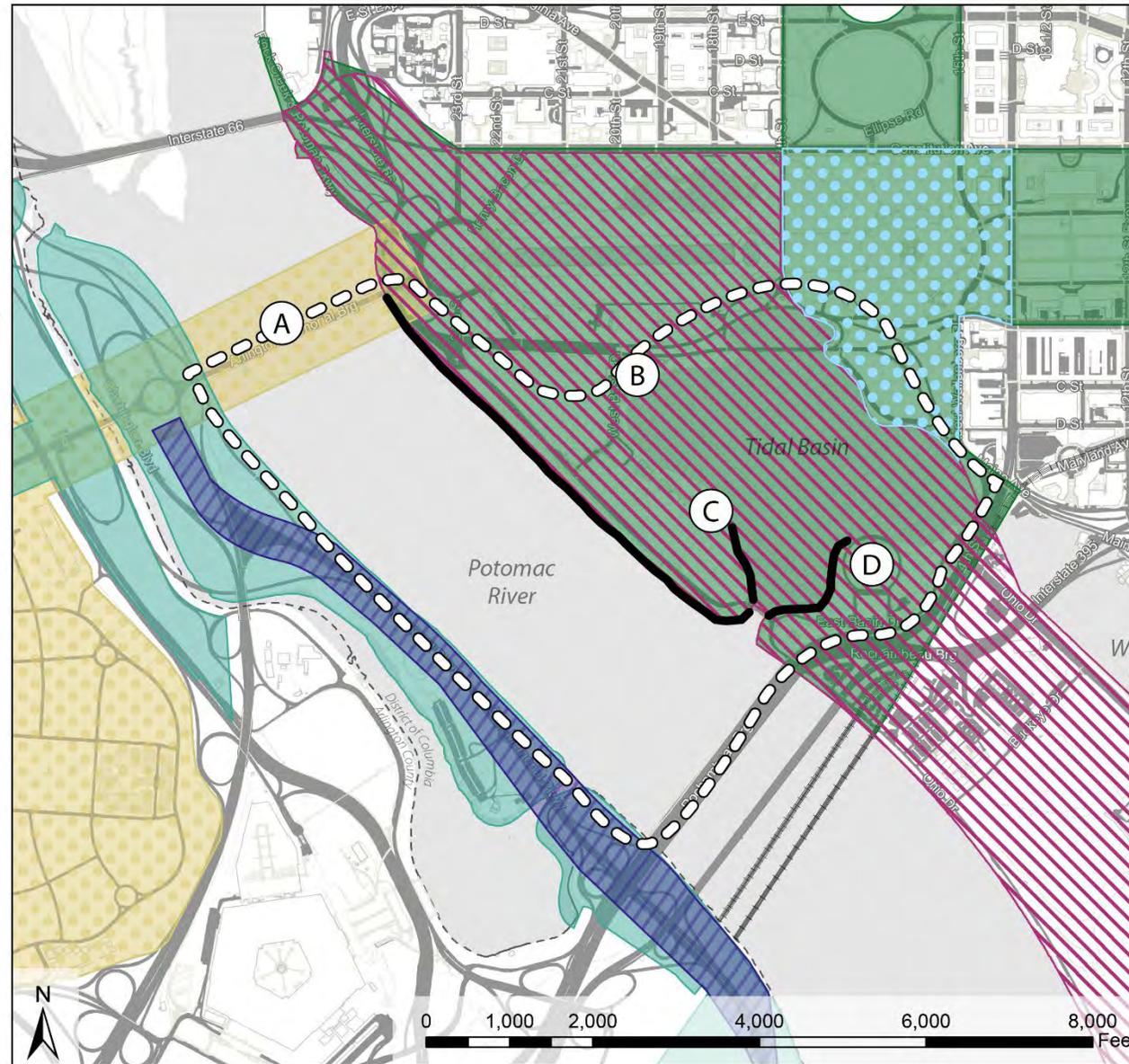


Mount Vernon Memorial Highway Historic District

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



Undated (NPS)



1941 (LOC)





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 Halrpin, 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)



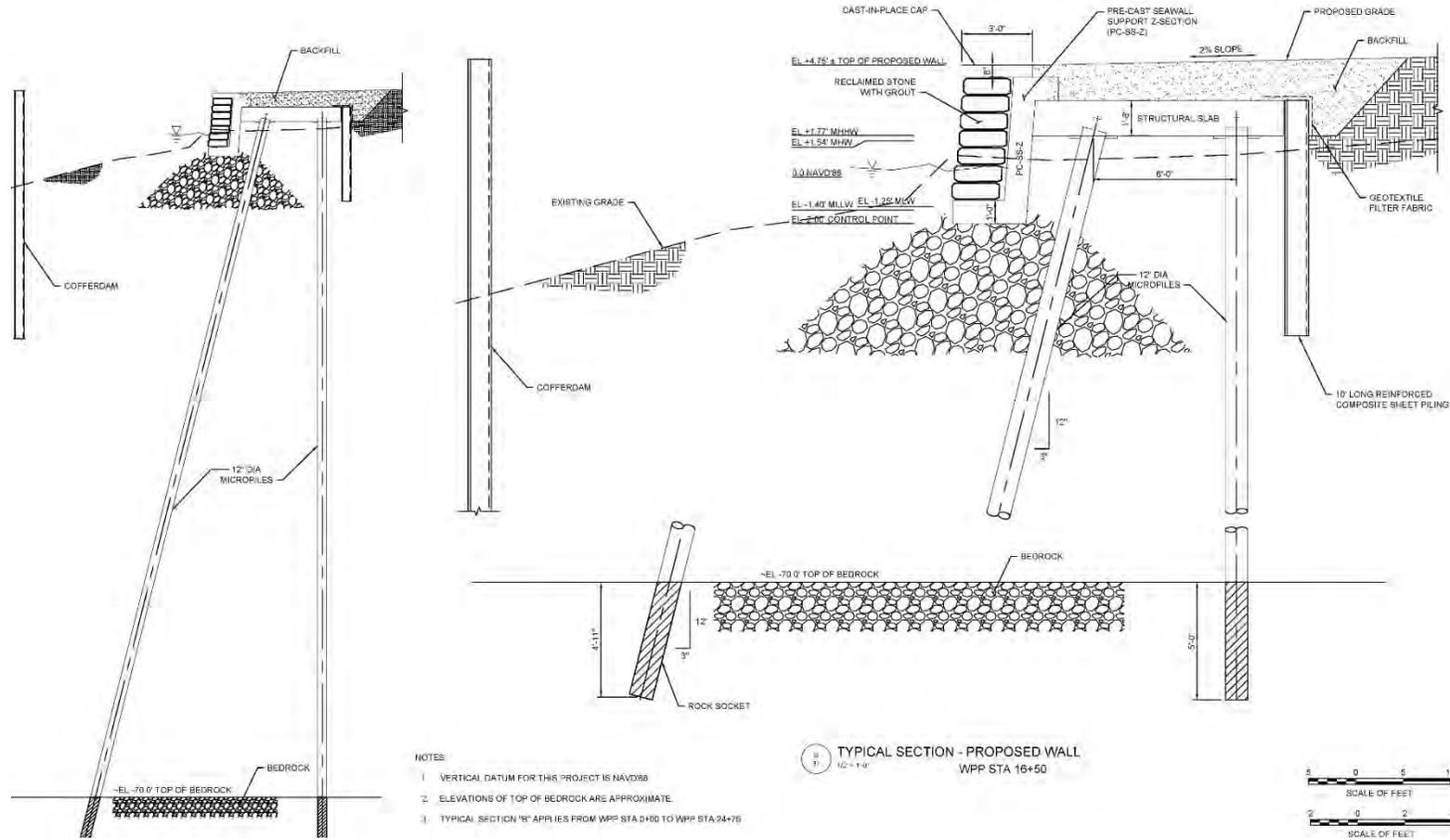


07

PRELIMINARY CONCEPTS

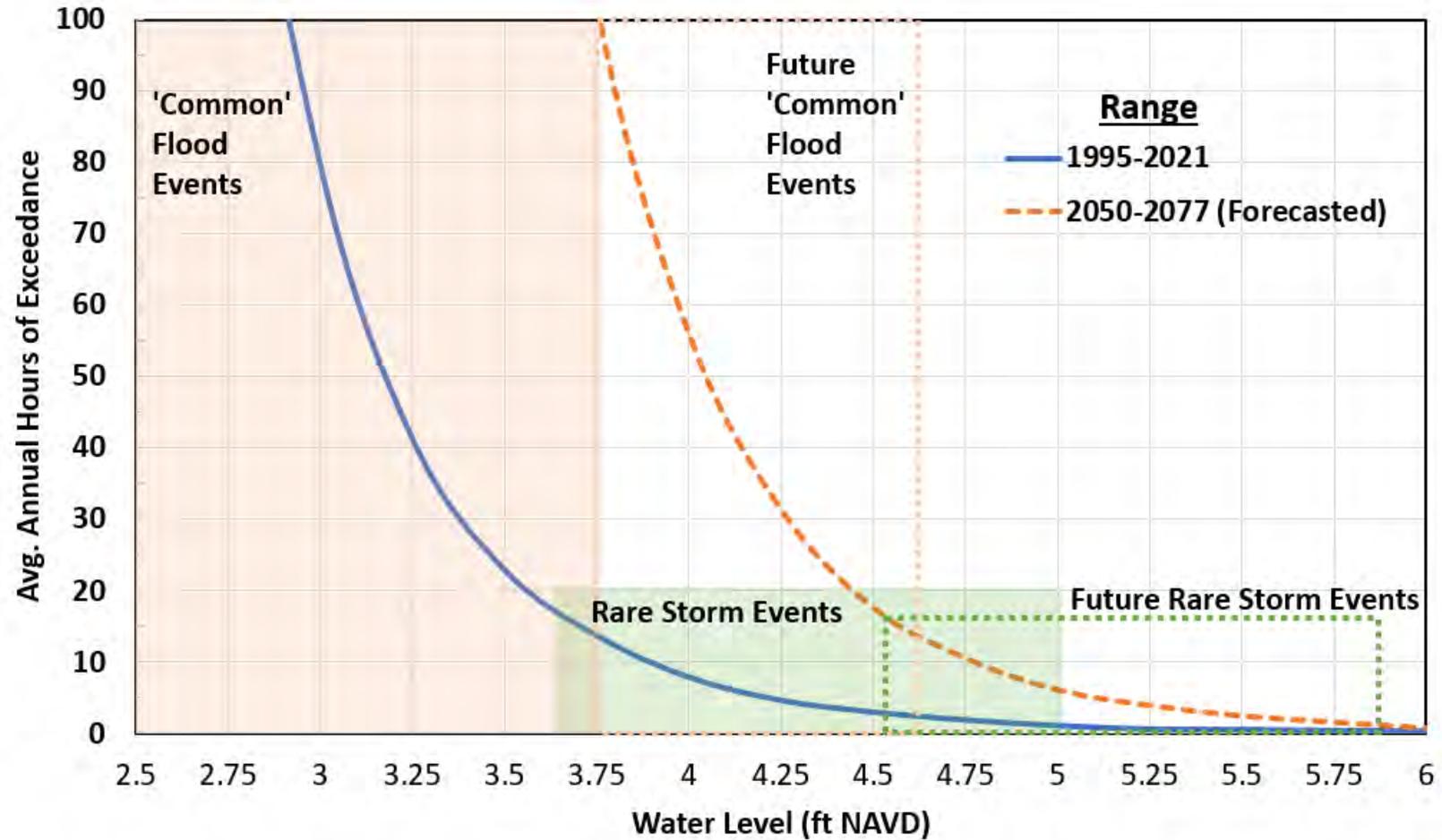


Initial Section: Tidal Basin & WPP South

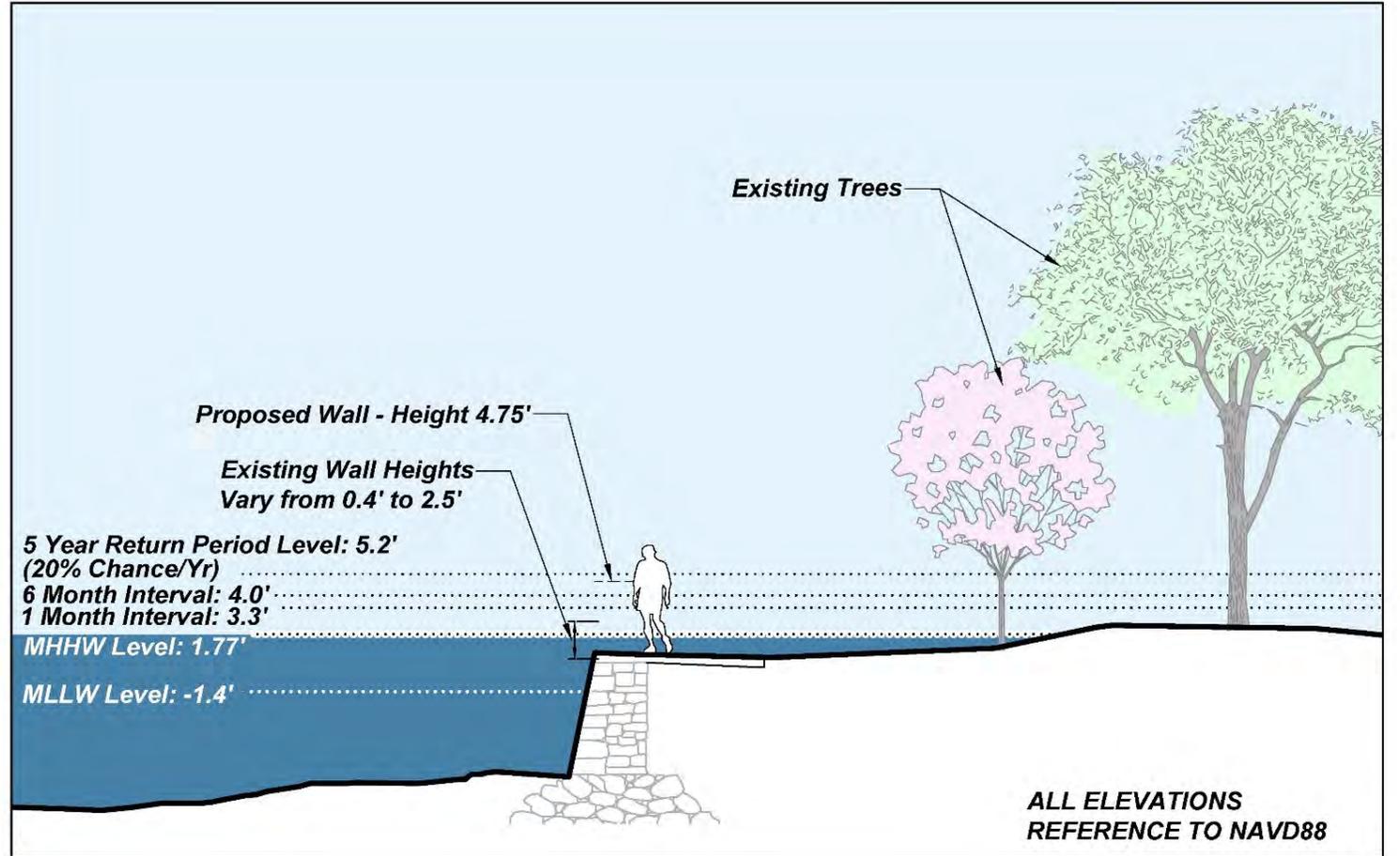




Establishing Wall Height



Tidal Basin East



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

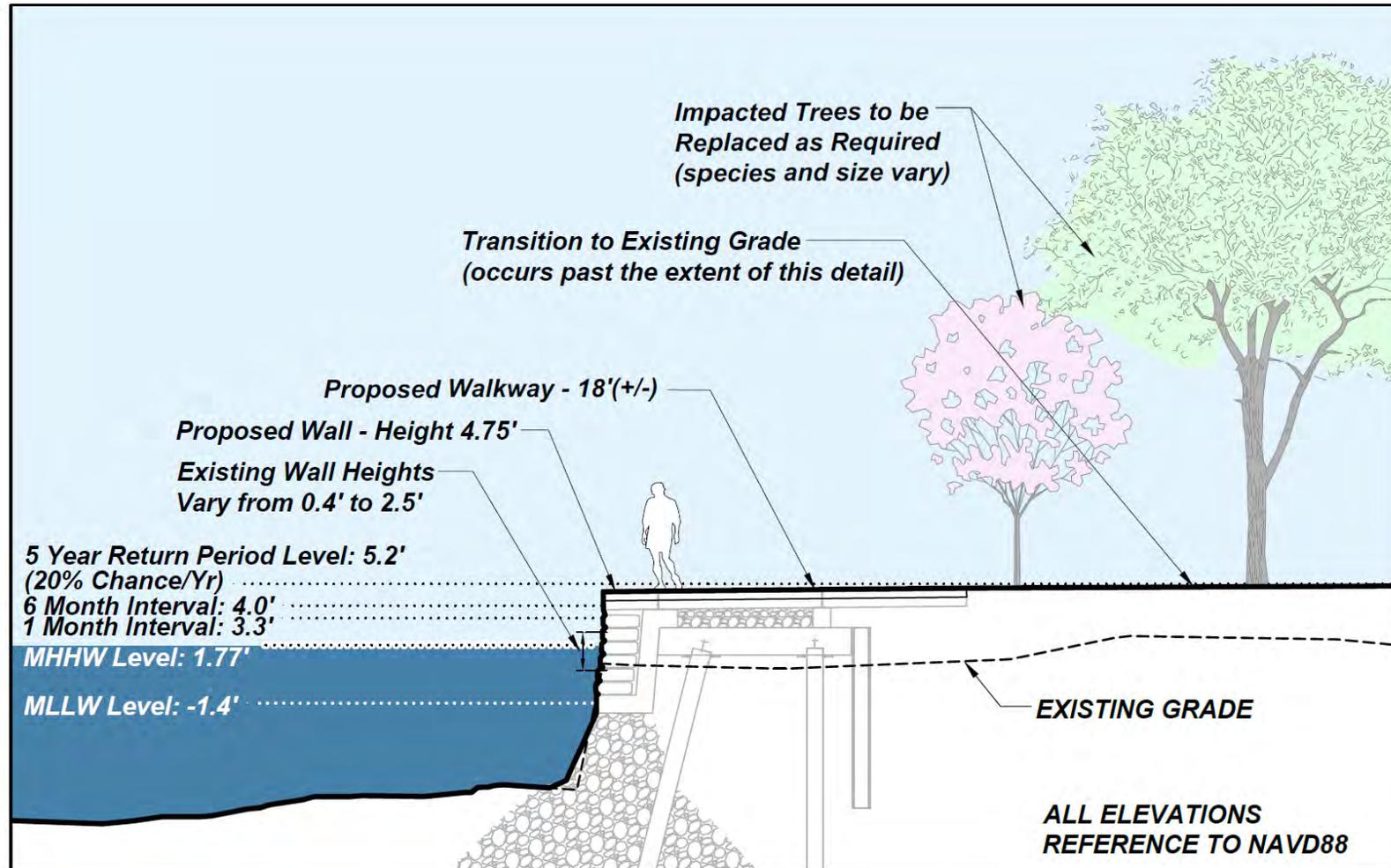
EXISTING CONDITIONS (TYPICAL)

Tidal Basin - East

(Visualization for Planning Purposes Only)

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

Tidal Basin East

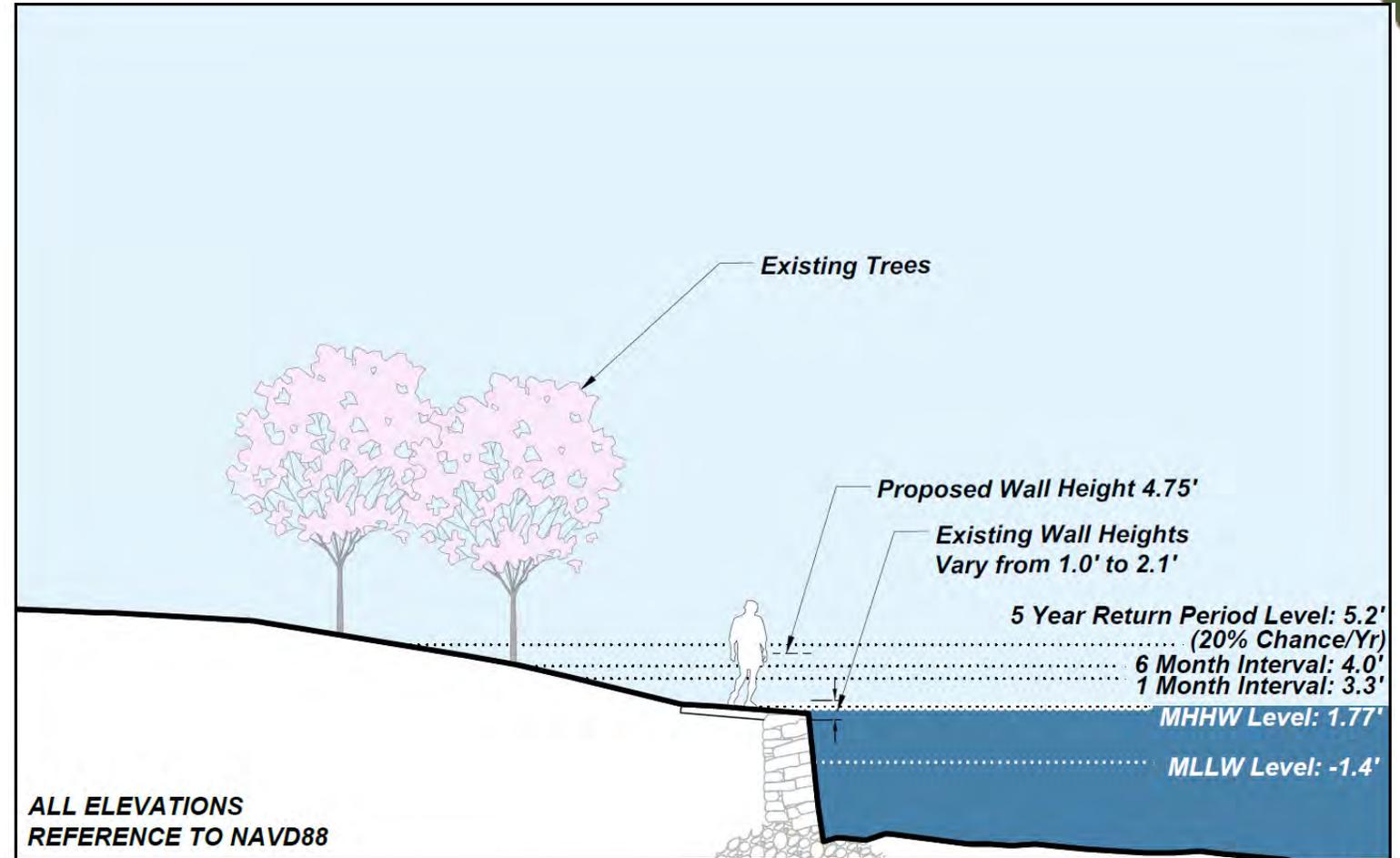


SCALE: 1/8" = 1'-0"
SECTION 2

PROPOSED CONDITIONS (TYPICAL) Tidal Basin - East

(Visualization for Planning Purposes Only)

Tidal Basin West

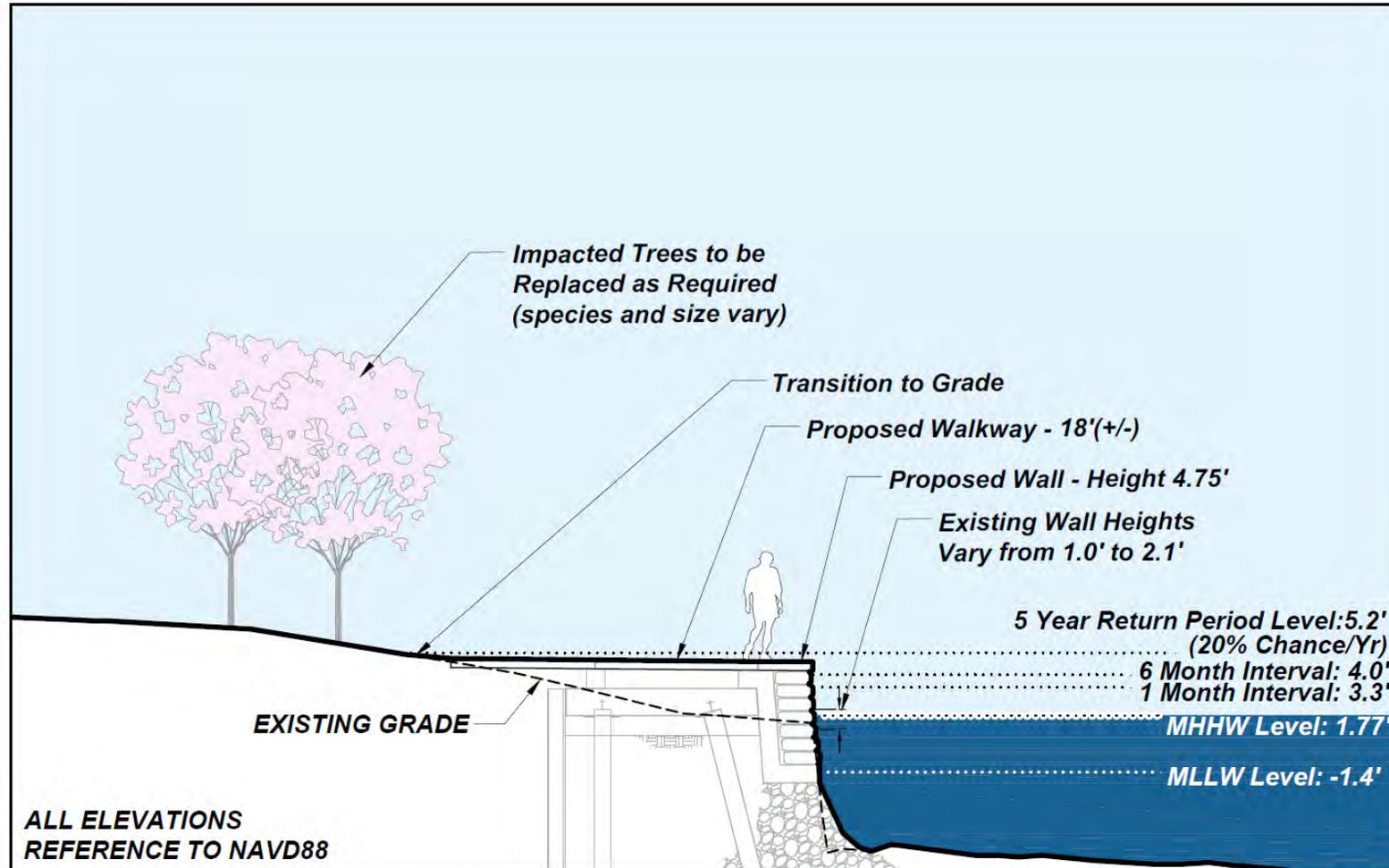


SCALE: 1/8" = 1'-0"
SECTION 3

EXISTING CONDITIONS (TYPICAL) Tidal Basin - West

(Visualization for Planning Purposes Only)

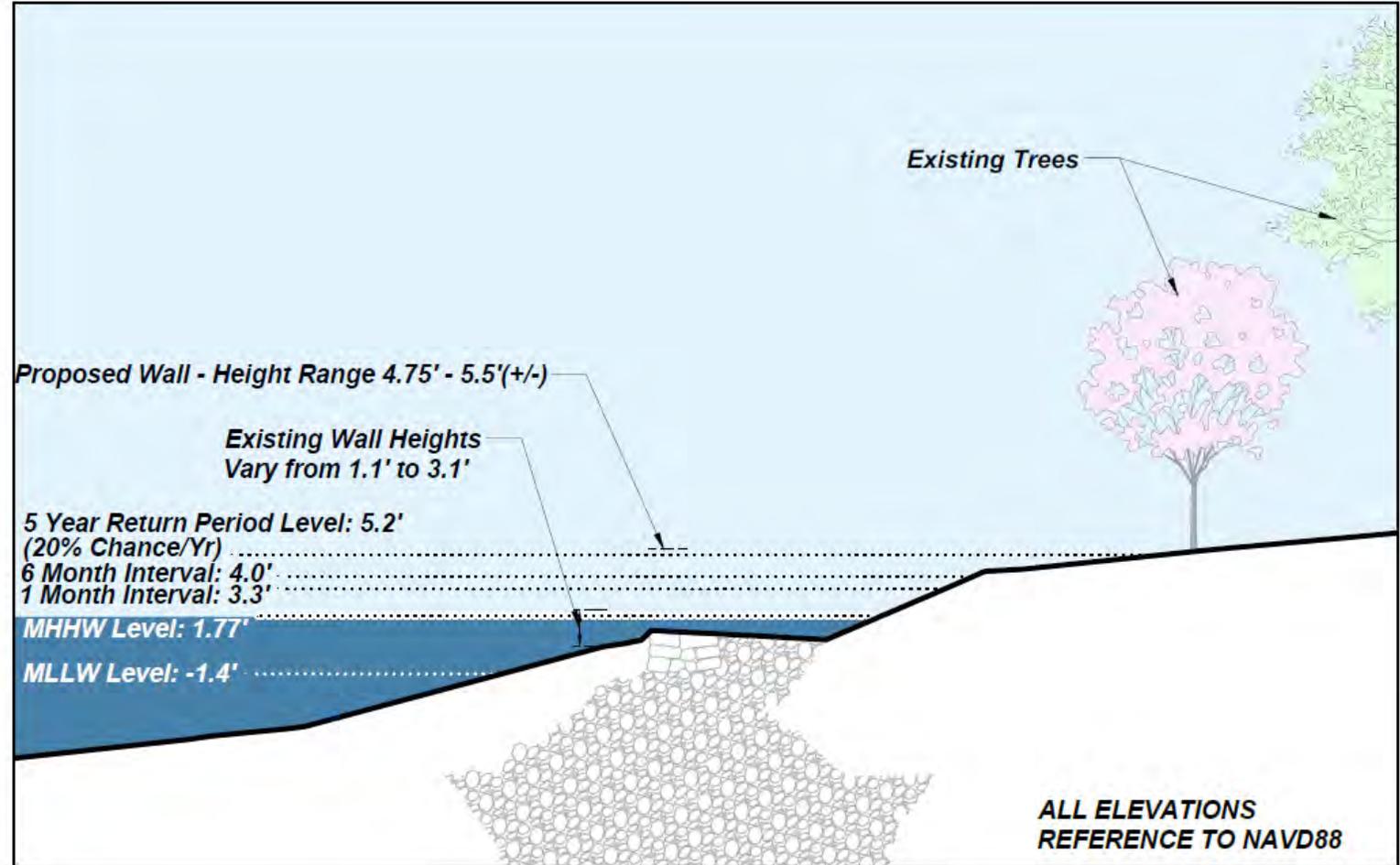
Tidal Basin West



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

PROPOSED CONDITIONS (TYPICAL)
Tidal Basin - West
(Visualization for Planning Purposes Only)

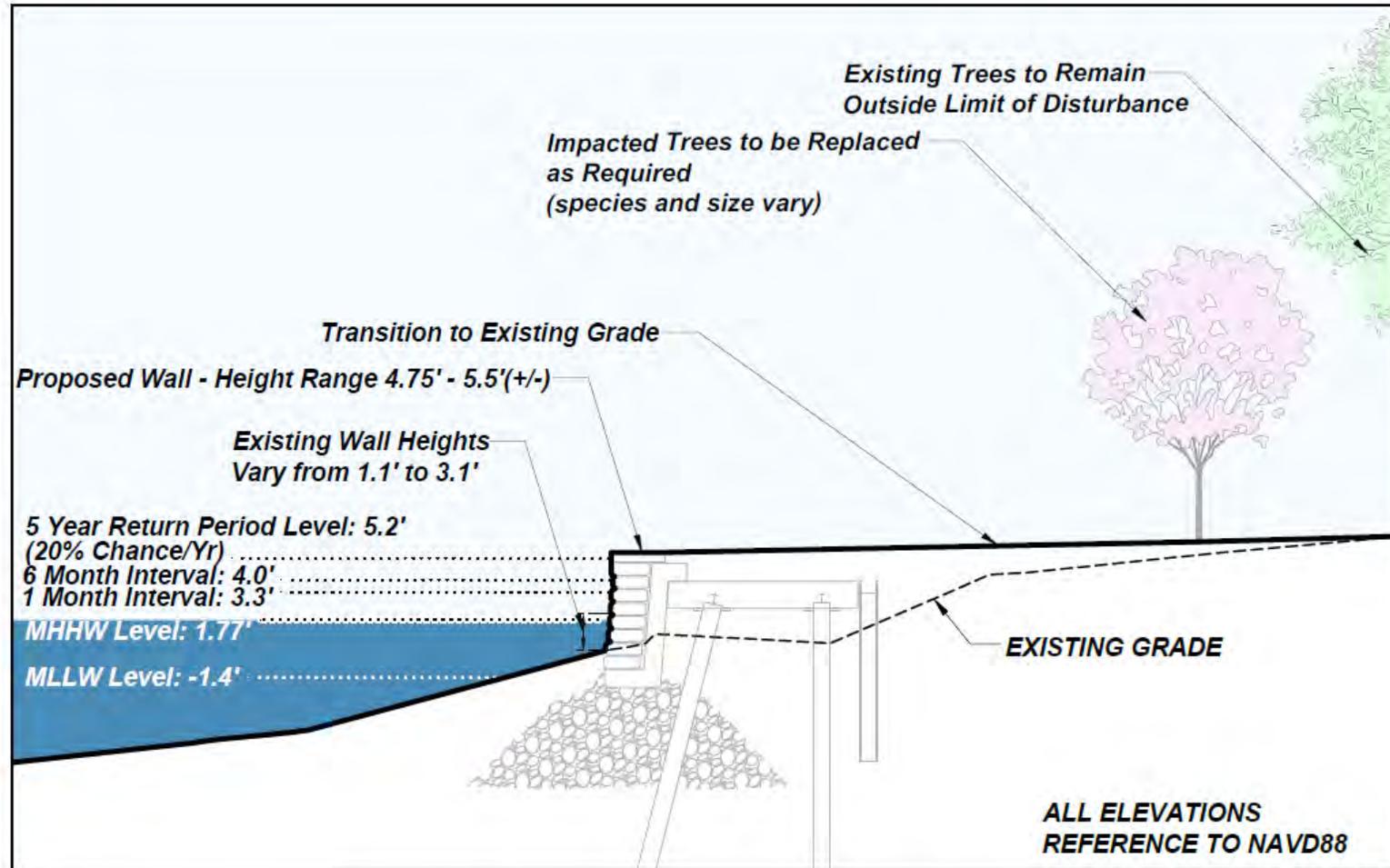
West Potomac Park South



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

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

West Potomac Park South



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

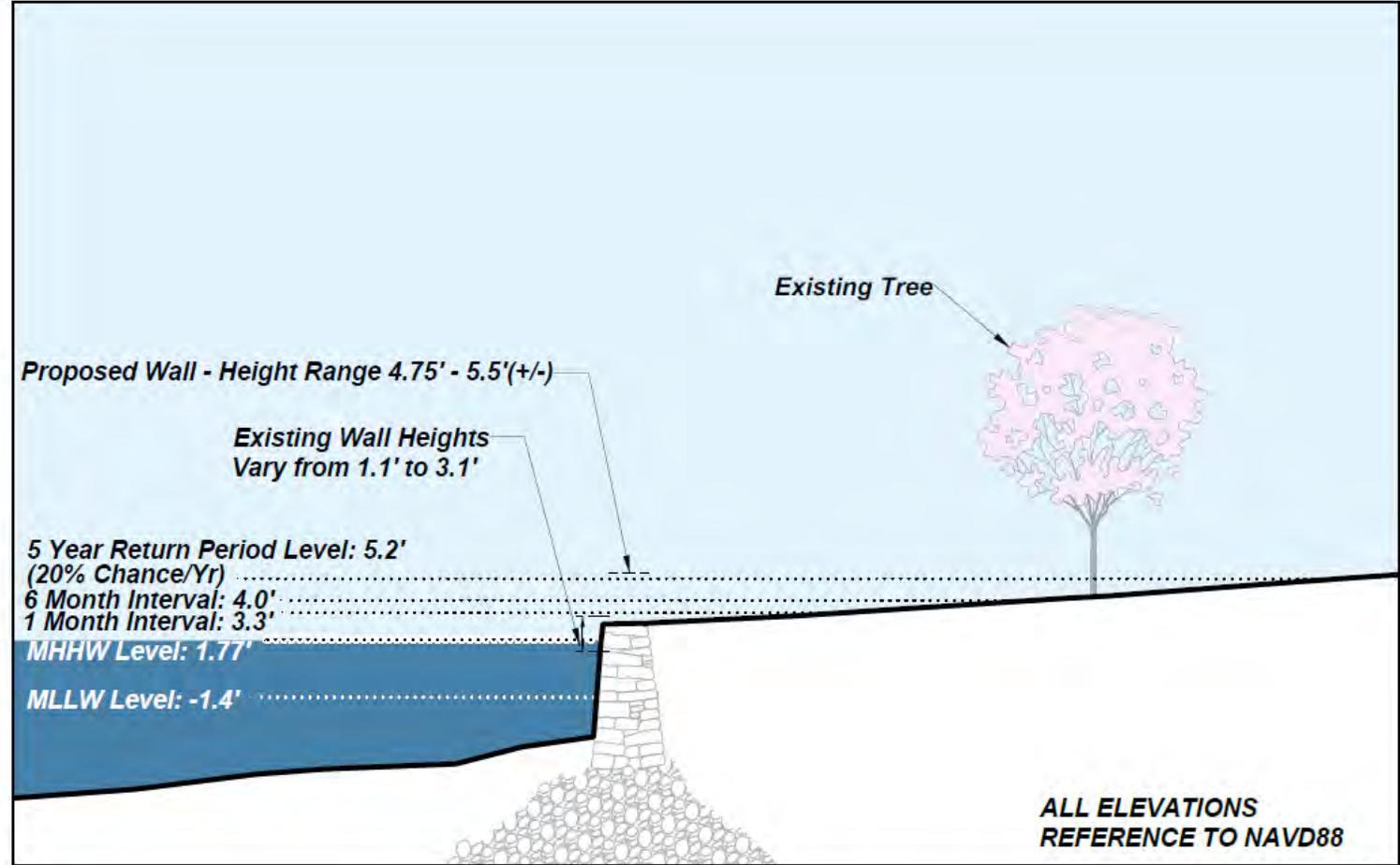
PROPOSED CONDITIONS (TYPICAL)

West Potomac Park - South

(Visualization for Planning Purposes Only)

**Hydraulic analysis ongoing*

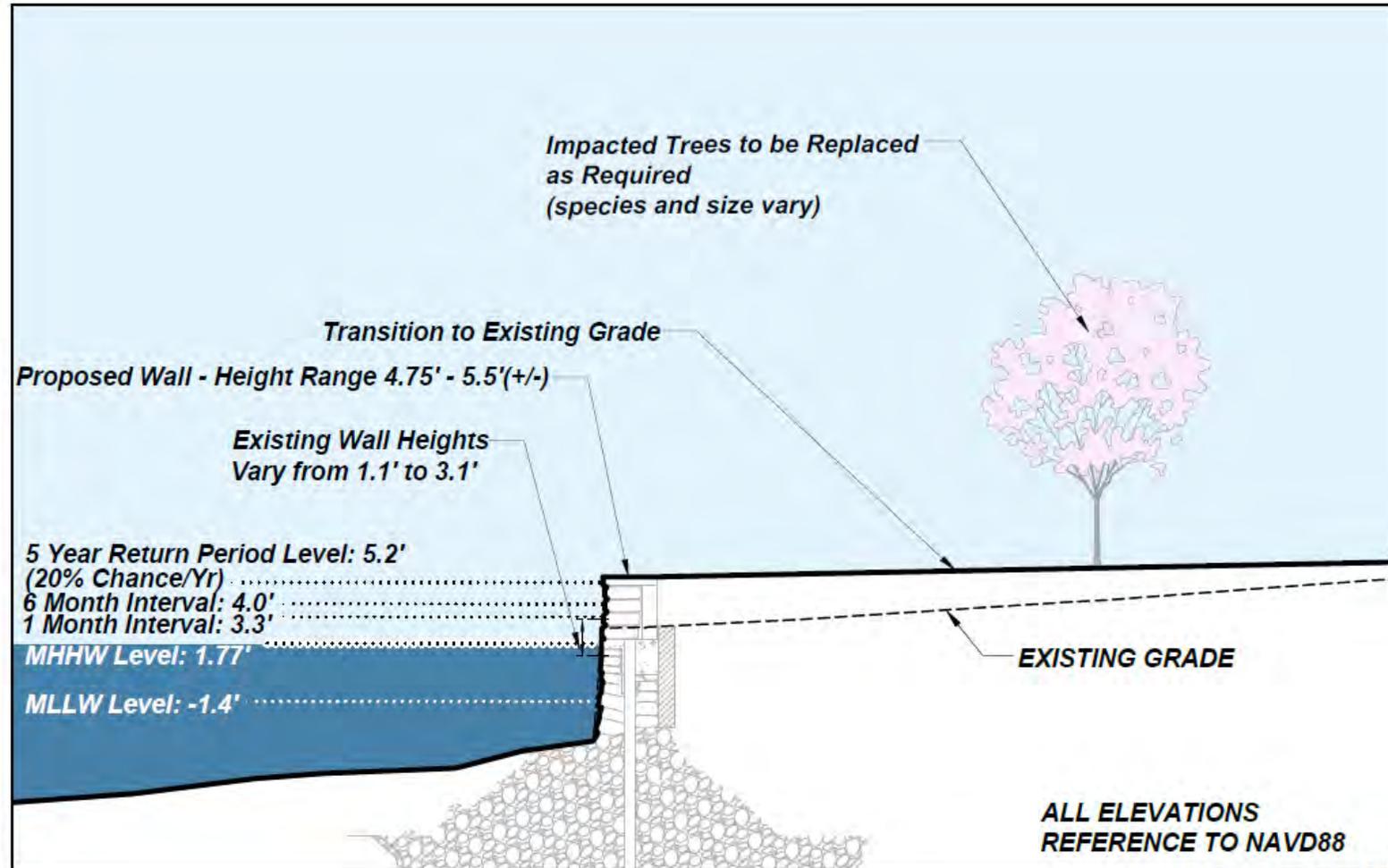
West Potomac Park North



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)
<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

Decorative diagonal stripes in gold and cream colors running from the bottom right corner towards the center of the slide.



Next Steps





THANK YOU!

SECTION 106 MEETING NOTES - NAMA 318722 PHASE 1

Project: National Mall & Memorial Parks, NAMA 318722 Seawall Rehabilitation

Subject: Section 106 Consulting Parties Meeting #1

Date: Tuesday, August 02, 2022

Location: Teams Meeting – Some in-person in DC

Attendees:

Kent Brogger	Catherine Dewey	Tammy Stidham
Margaret Boshek	Doug Chapin	Jason Jimenez-Pisani
Emily Tuttle	Tamara Bradley	Joel Gorder
Sean Keannealy	Brent Nagen	Lee Webb
Amanda Tyrrell	Yue Li	Jonathan Connolly
Meghan Robinson	Daniel Fox	Megan Bailey
Caridad de la Vega	Laura Hughes	Erin Paden
Tanya Gossett	Thomas Luebke	David Maloney
Kim Daileader	Christopher Cody	Allison Young
Catherine Townsend	Dana Adkins	Julie McGilvray
David Maloney	Andrea Limauro	Sarah Batcheler
Andrew Lewis	Shaleigh Howells	Andrea Limauro
	Peter May	18***96

Approximately 30 Attendees

1. Catherine – Introduction
 - a. Native American connections to the area
2. Catherine – meeting is being recorded
 - a. Use chat for questions
 - b. Comments made in Teams are not formal comments
 - c. Formal Consulting Party Comments must be submitted by September 12, 2022
3. Kim – Introduced JV Team
4. Catherine – Consulting Parties Introduction
5. Presentation
6. Catherine – Contracted by 2023 with 36 months for construction

Attendee Questions

7. Tom – the biggest impact will be the slope back down to the edge and some tree impacts
 - a. Tom – top will be concrete or granite?
 - i. Catherine – concrete
 - b. Margaret – TBE has settled, reestablishing the historical upland slope will allow water to escape and prevent ponding

8. Andy – appreciate the history of the seawall
 - a. Difference of appearance in each section (coping in some areas, some not)
 - b. Is the idea to create a single appearance or recreate each section?
 - i. Margaret – WBB and TB have historic Potomac River stone, plan to maintain
 - ii. Margaret – walkways increased to 18' is under consideration
 - iii. Margaret – WPP – keep as grass
 - iv. Margaret – WPP-N concrete cap with stone/stone façade was originally a repair, but is historic now, can only be seen from the river itself
 1. Andy – having four individual section photos with a response to each individual section would be helpful
 2. Margaret – photos from boat in each section are being taken noting each walls individual characteristics
9. Sarah – good job minimizing impact, repair is obviously needed
 - a. Sarah – height originally 6' above mean high water mark, proposing visible height at 4.75?
 - i. Margaret – wall was originally 6' above mean tide level
 - ii. Marg – water approx. 1.5' higher now
 - b. Sarah – what happens at the Plaza in front of Jefferson Memorial?
 - i. Margaret – the Jefferson Memorial area is a separate system done within last 20 years, we will be tying into but not changing anything
 - ii. Margaret – Jefferson is 5.75-5.8 currently, we will be below that
 - iii. Margaret – water ponding in Jefferson Memorial unable to escape
10. David – the presentation was a straightforward, rational way to address the problem
 - a. David - Relative heights of the walls, seeing how the Jefferson Plaza wall will tie into TB wall would be helpful
 - i. Margaret – Jefferson has granite steps, two steps will be taken up in the new seawall
 - ii. Margaret - our foundation will abut, not tie into Jefferson
 - b. David – also ties into inlet bridge, how that will look in elevation?
 - i. Margaret – abutment between two systems
 - ii. Margaret - watertight to prevent soil migration
 - iii. Margaret – N end of TBW – still under consideration
 - c. David – graph of flood levels and water levels should be presented in horizontal rather than vertical
 - i. Margaret – trying to show lessening effects by the curve going down
11. Tom – Widening the path on the TBW?
 - a. Kim – under discussion
 - b. Tom – wider you make it affects more trees, balancing tree loss with accessibility – does it need to be 18'?
 - i. Margaret – under consideration, planning for ADA, pedestrian and others use, for permitting and access looking at 18'
 - c. Tom – area is most remote with less people
 - i. Margaret – circular route, but it is unknown where most people get on/off the path
 - ii. Margaret - two walking pathways in TBW, still assessing
 - d. David (via chat) – To Tom's point about the sidewalk width around the basin, it might be useful to show photos of similar walks at various widths around the Mall reflecting pool, etc. for comparison purposes
12. Tom – is perimeter security for Jefferson being considered and/or still an issue? Don't want to build something and have to rip it up because something was missed.

- a. Catherine – working on TB master plan, still considering perimeter security
 - b. Peter – this item will taken up in TB master plan
 - c. Tom – the seawall repair is an important, needful investment, wants to make sure all projects that tie in are considered
13. Lee – when will this be submitted to Commissions, CFA and NCPC?
- a. Lee – wouldn't require a commission review, as there is only one option
 - b. Catherine – will review
14. Andy (via chat) – This may have already been addressed, but will the NPS be providing a copy of this presentation or will it be posted on PEPC?
- a. Tammy – presentation is on PEPC and was attached to meeting invite
15. Shaleigh (Cultural Resource Director for the Pamunkey Indian Tribe) – long term mitigation issues, what does funding look like, with delayed maintenance?
- a. Catherine – don't have a plan for that yet
 - b. Catherine – EPP is next in plan
 - c. B1 – no plan for TB yet, master plan will dictate further phases
 - i. B1 – the rehabilitated seawall will eliminate the frequency of problem flooding
16. Shaleigh - how are we addressing flooding for the next 100 years and climate change issues?
- a. Margaret - seas levels have risen 1.5 feet over 100 years
 - b. Margaret - using available USACE information and water level gauges have been installed in TB
 - c. Margaret – we have good data with Washington channel gauge in place for about 100 years
 - d. Margaret – 4.75 height will not stop all events
 - i. Margaret – resilient design
 - ii. Margaret – if water comes up, it runs off with no ponding



September 12, 2022

Mr. Jeffrey P. Reinhold, Superintendent
National Park Service
National Mall and Memorial Parks
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

RE: Additional Comments regarding the Rehabilitation of the Historic Seawalls in the Tidal Basin and West Potomac Park

Dear Mr. Reinhold:

Thank you for hosting the first consulting parties meeting for the above-referenced undertaking on August 2, 2022. We were pleased to participate in the meeting and offer some comments to follow up on those provided in our letter dated June 15, 2022. We are writing to reiterate the verbal comments made during the meeting and to continue the review of this undertaking in accordance with Section 106 of the National Historic Preservation Act.

As previously noted, the undertaking consists of rehabilitating the historic seawalls around certain portions of the Tidal Basin and along the Potomac River's eastern shoreline from the Inlet Bridge north to the Arlington Memorial Bridge. During the consulting parties meeting, I asked how the NPS proposes to address the visible differences between various segments of the seawalls that resulted primarily from inconsistent construction methods and/or later alterations. The NPS responded that its intention was to replicate the historic conditions in each segment as closely as possible but acknowledged that some visible alterations would be required – not the least of which would be a significant, but essential increase in overall height.

Noticeable differences from the historic conditions and the likely requirement for total disassembly and reconstruction in most, if not every segment will almost certainly result in adverse effects on the historic seawalls but we agree that this work is essential and that replicating the historic conditions as closely as possible may be one of the best ways to minimize the adverse effects. To that end, we look forward to receiving the detailed, section-by-section photographic log of the seawalls that the NPS indicated was being prepared. The photographic log will better document the existing conditions and serve as a useful tool to minimize adverse effects when compared against typical sections illustrating original construction methods, later alterations and the proposed rehabilitation approaches. Comparing these various factors will allow informed decisions to be made about how and where historic conditions can be replicated as much as possible.

We also look forward to evaluating the effects of the undertaking by reviewing detailed site plans and similar documents that compare historic, existing and proposed conditions as they relate to walkway dimensions and locations, planting plans, and physical connections to notable features such as the Inlet Bridge. Specifically, a variety of comparative renderings should be developed for review. These should illustrate comparative views at specific locations as well as broad views across the basin and the river.

Mr. Jeffrey P. Reinhold

Additional Comments regarding the Rehabilitation of the Historic Seawalls in the Tidal Basin and West Potomac Park

September 12, 2022

Page 2

If you should have any questions or comments regarding any of these matters, please contact me at andrew.lewis@dc.gov or 202-442-8841. Otherwise, we look forward to receiving responses to the comments in our June 15, 2022 letter and to continuing consultation with all parties to complete the Section 106 review of this undertaking.

Sincerely,

A handwritten signature in blue ink that reads "Andrew Lewis". The signature is written in a cursive style with a large initial "A".

C. Andrew Lewis

Senior Historic Preservation Officer

DC State Historic Preservation Office

22-0619



September 12, 2022

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National Park Service
National Mall and Memorial Parks
National Capital Region
900 Ohio Drive, NW
Washington, DC 20024

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Additional Comments regarding the Rehabilitation of the Historic Seawalls in the Tidal Basin and West Potomac Park

September 12, 2022

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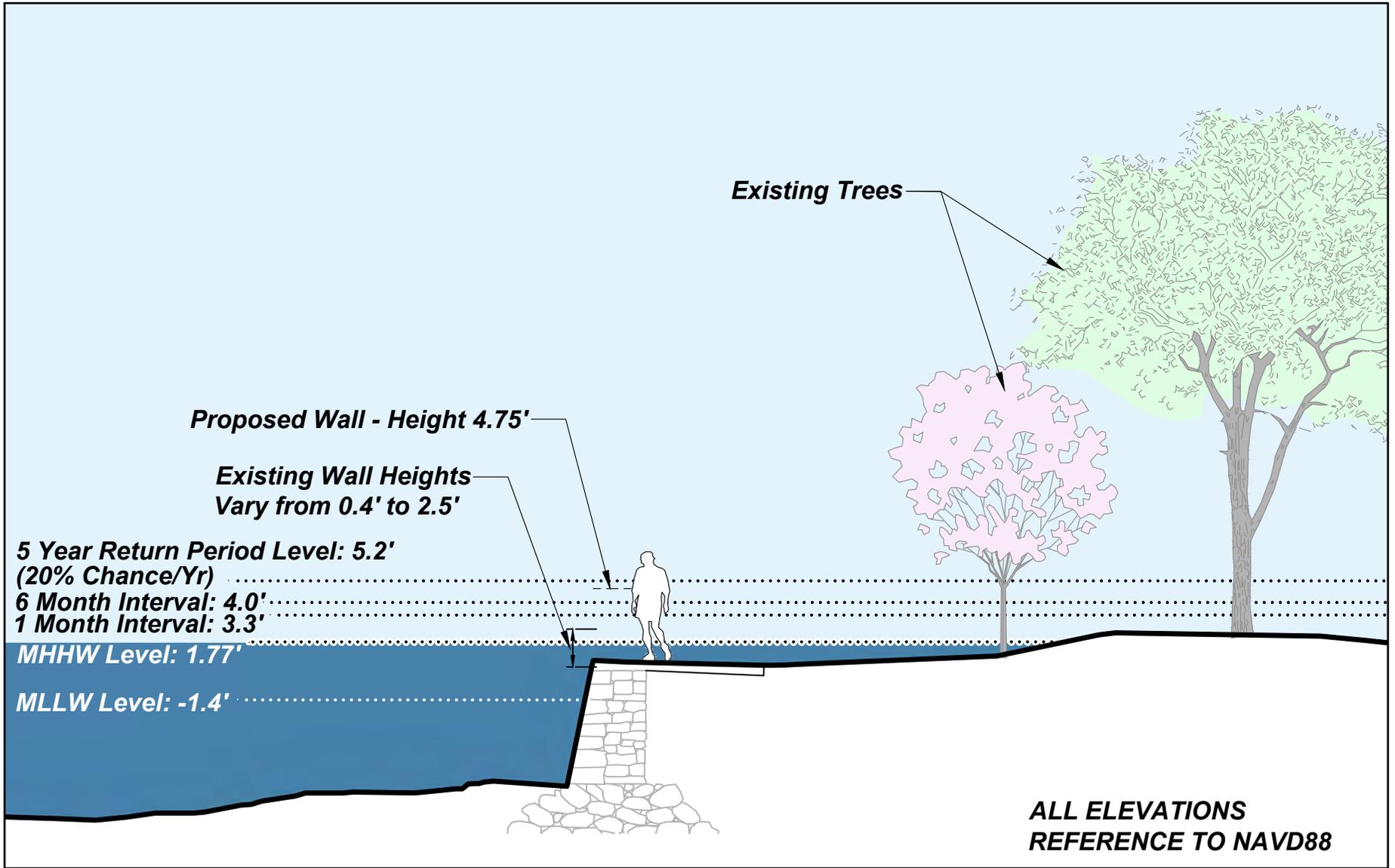
DC State Historic Preservation Office

22-0619

Rehabilitation of Tidal Basin and West Potomac Park Seawalls

Section 106 Assessment of Effects Report

Appendix B: Action Alternative Drawings



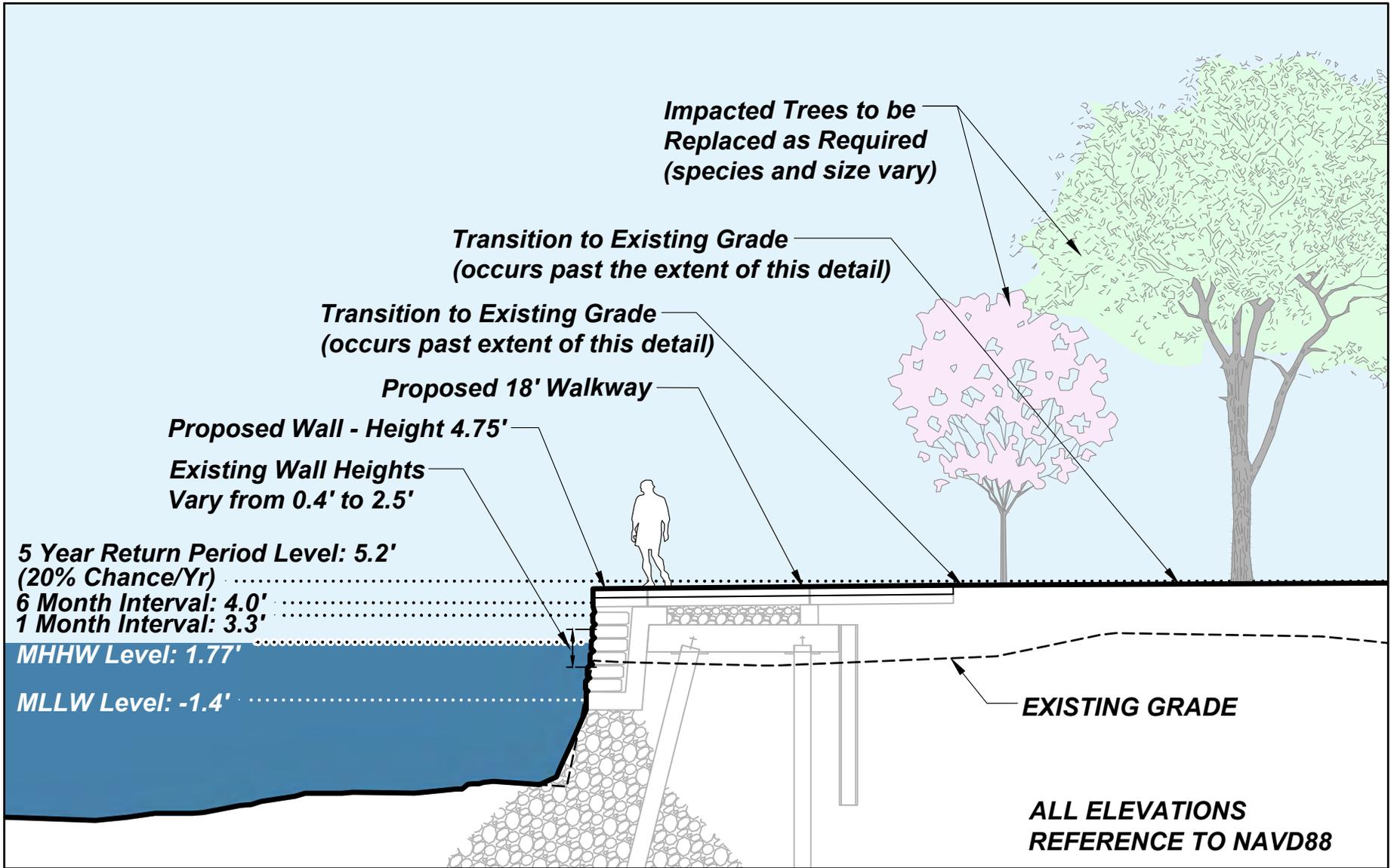
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SECTION 1

EXISTING CONDITIONS (TYPICAL)

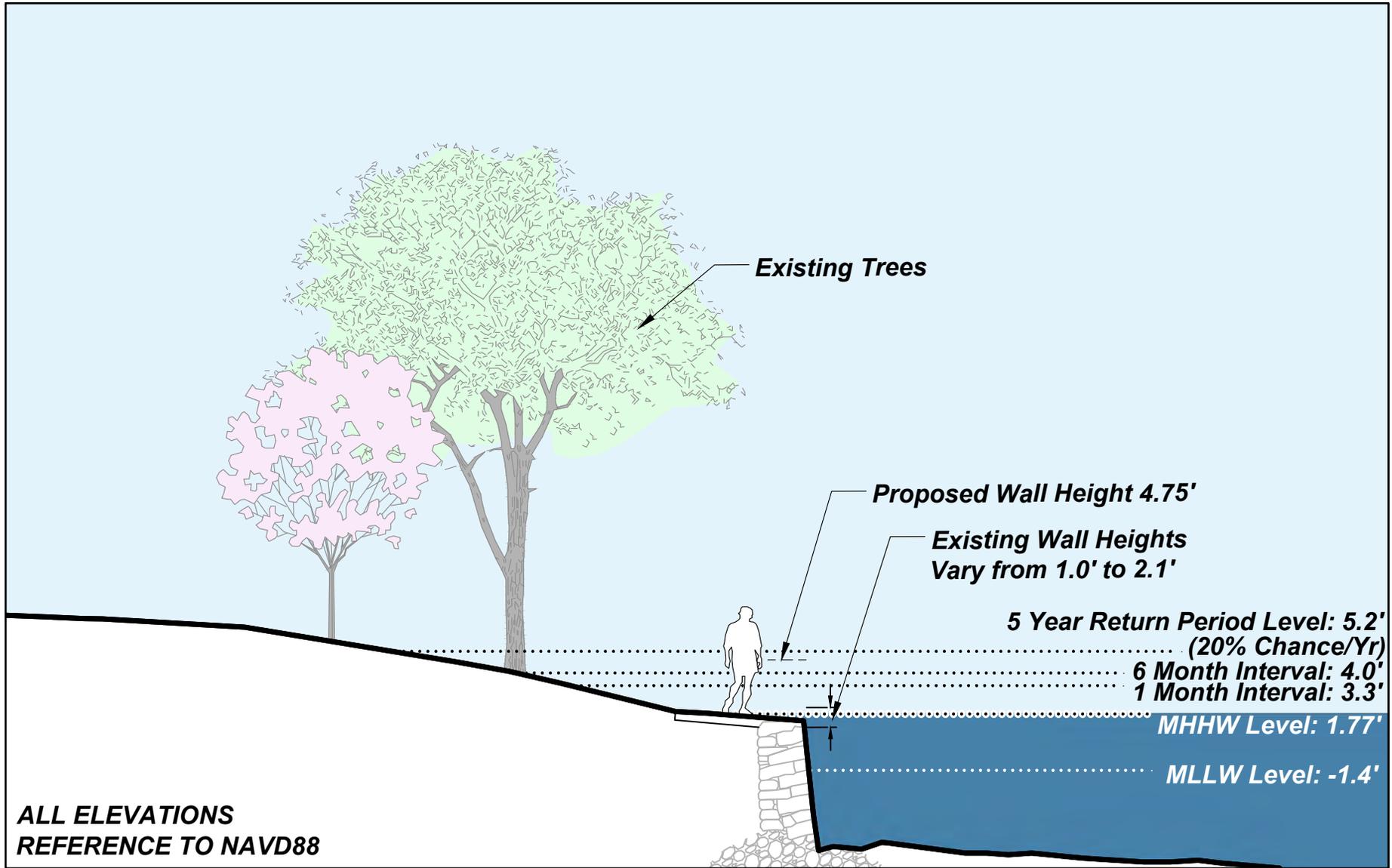
Tidal Basin - East

(Visualization for Planning Purposes Only)



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

PROPOSED CONDITIONS (TYPICAL)
Tidal Basin - East
 (Visualization for Planning Purposes Only)



**ALL ELEVATIONS
REFERENCE TO NAVD88**

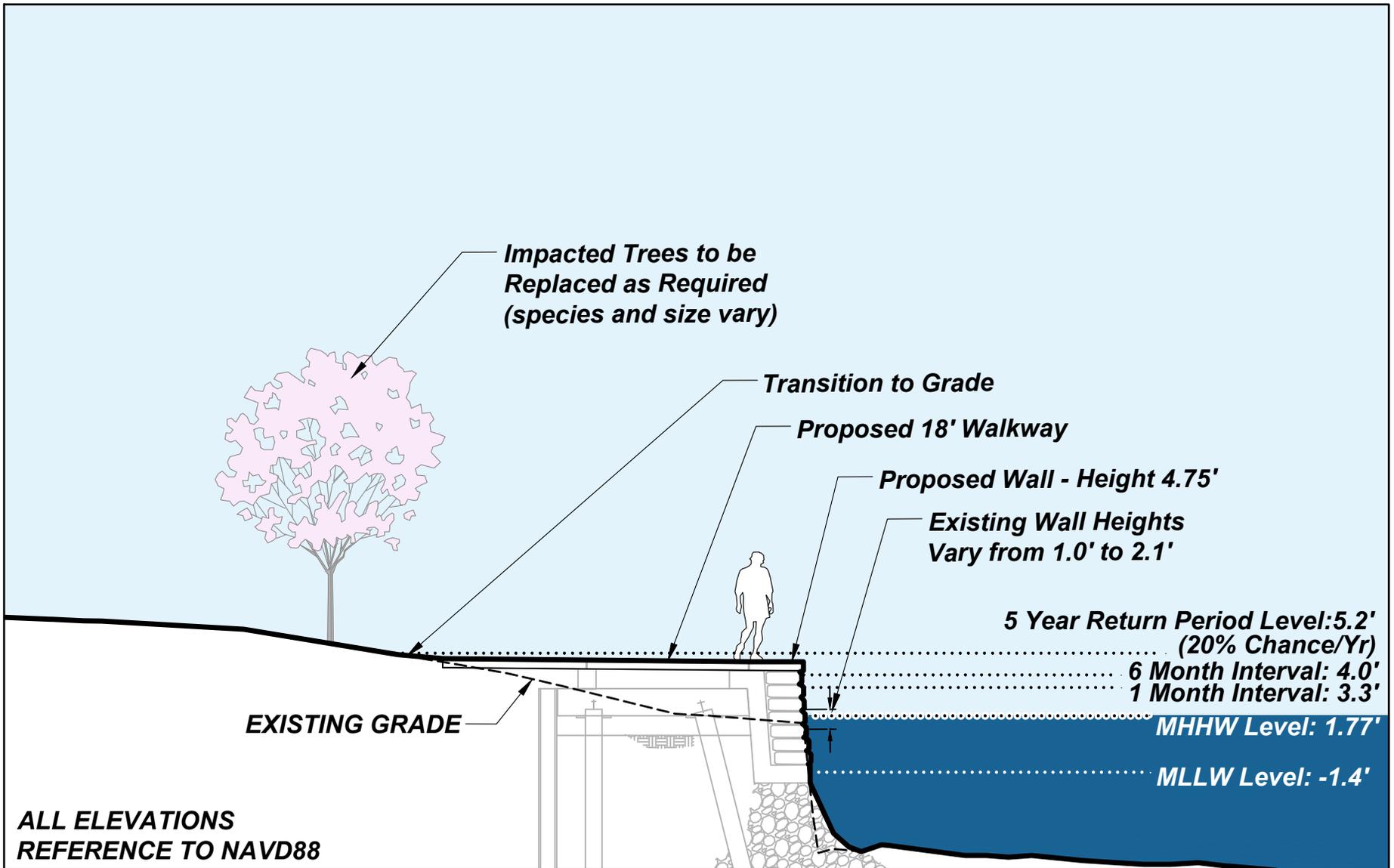
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SECTION 3

EXISTING CONDITIONS (TYPICAL)

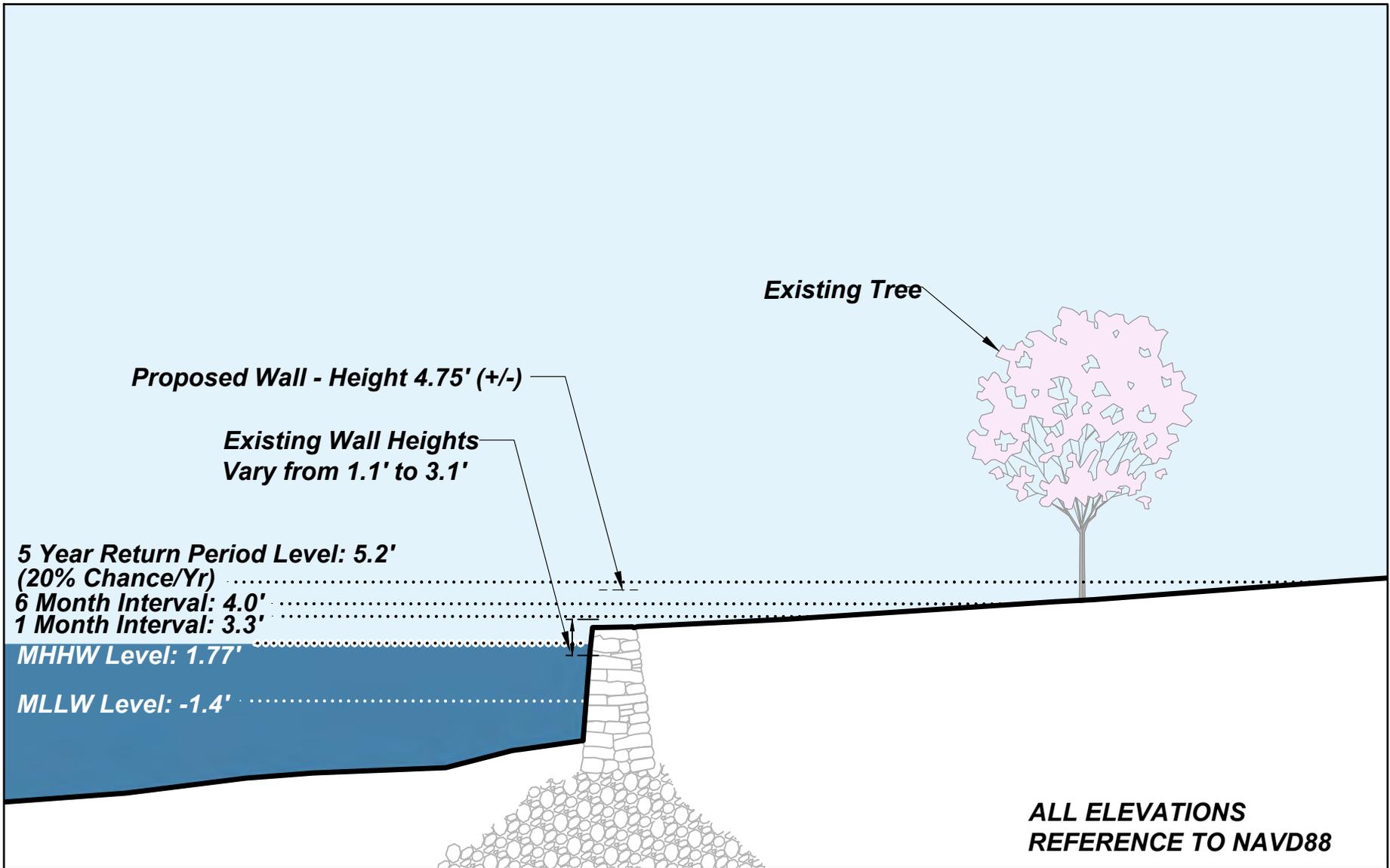
Tidal Basin - West

(Visualization for Planning Purposes Only)



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

PROPOSED CONDITIONS (TYPICAL)
Tidal Basin - West
 (Visualization for Planning Purposes Only)



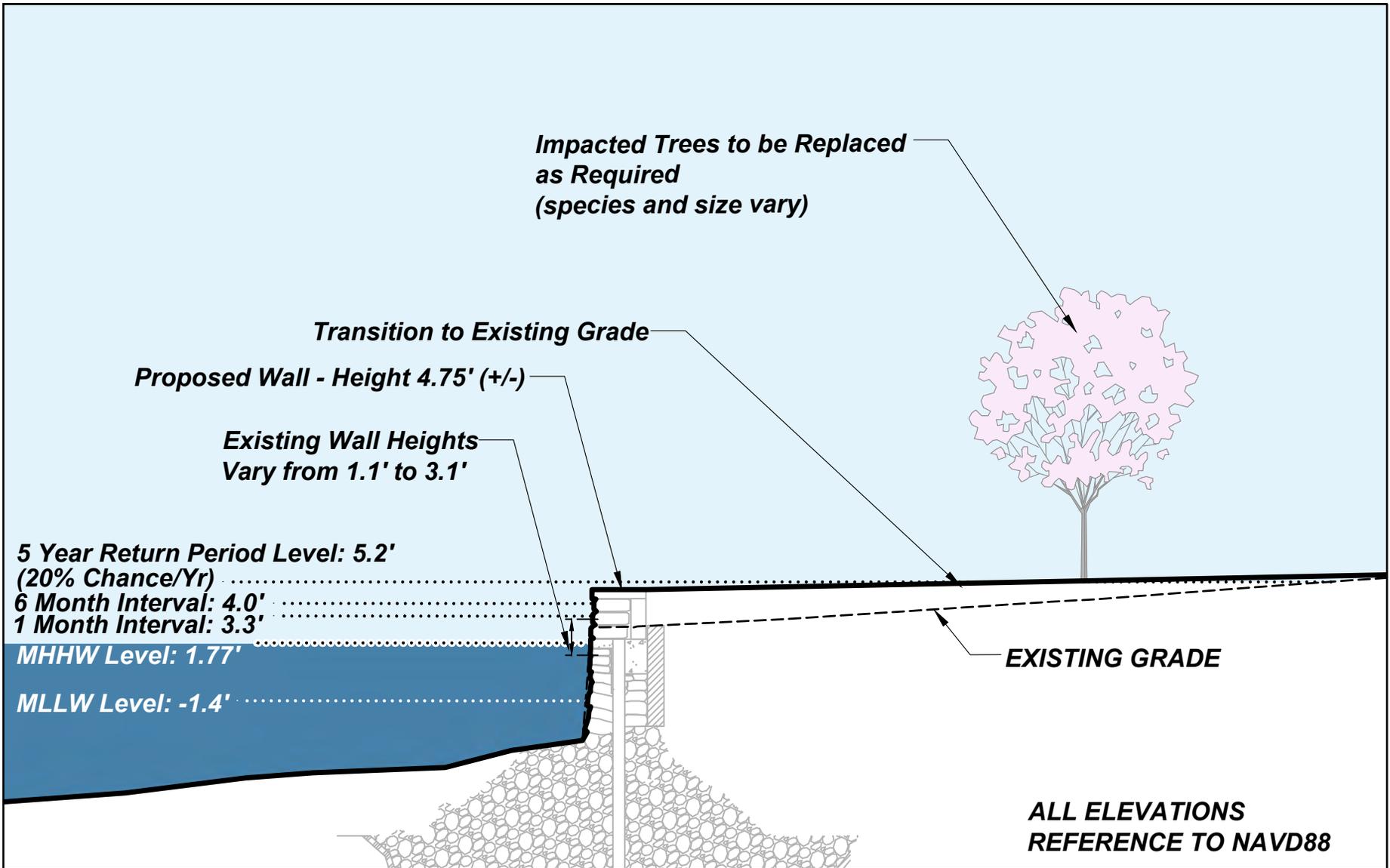
SCALE: 1/8" = 1'-0"

SECTION 5

EXISTING CONDITIONS (TYPICAL)

West Potomac Park - North

(Visualization for Planning Purposes Only)



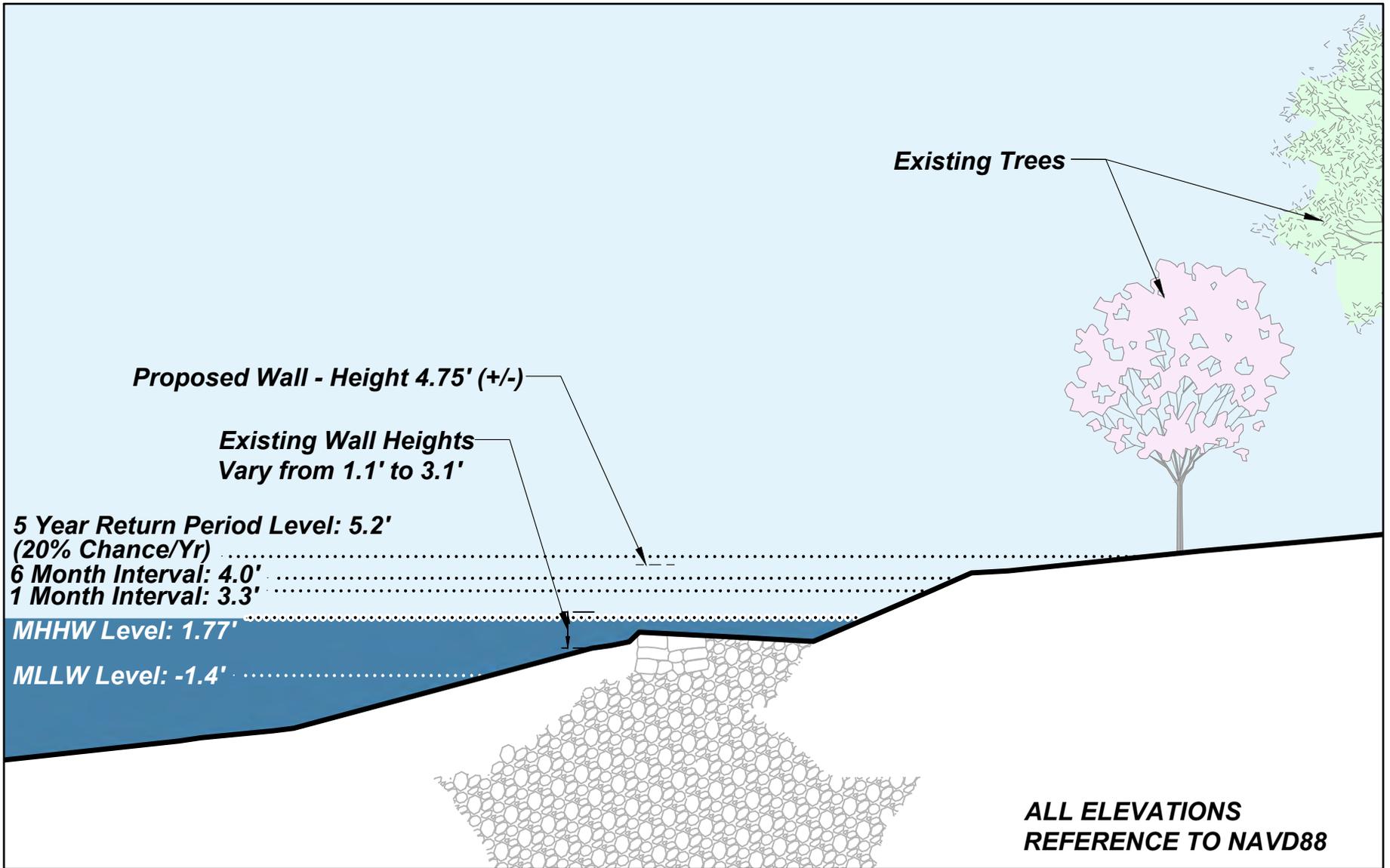
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SECTION 6

PROPOSED CONDITIONS (TYPICAL)

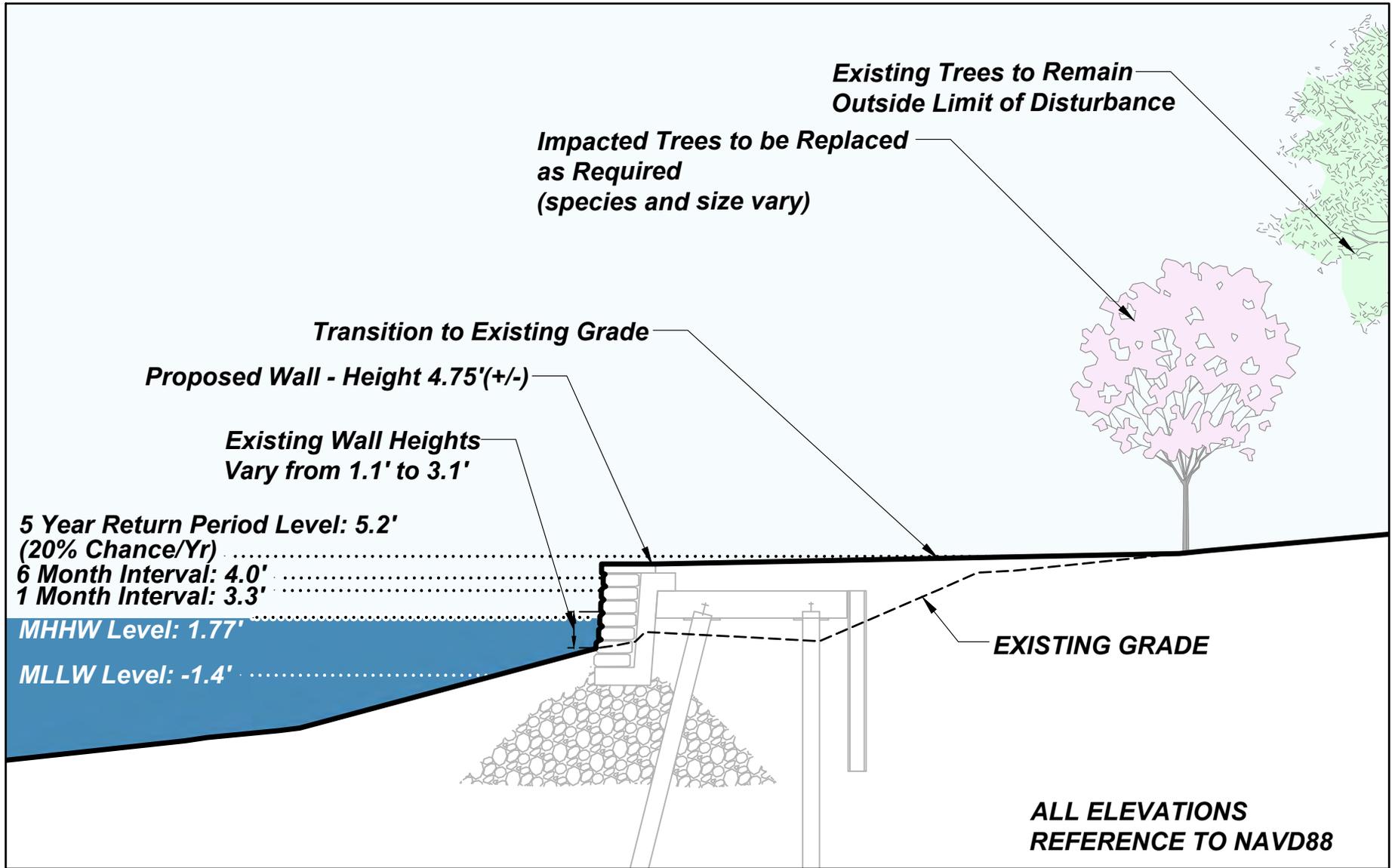
West Potomac Park - North

(Visualization for Planning Purposes Only)



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

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



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

SECTION 8

PROPOSED CONDITIONS (TYPICAL)

West Potomac Park - South

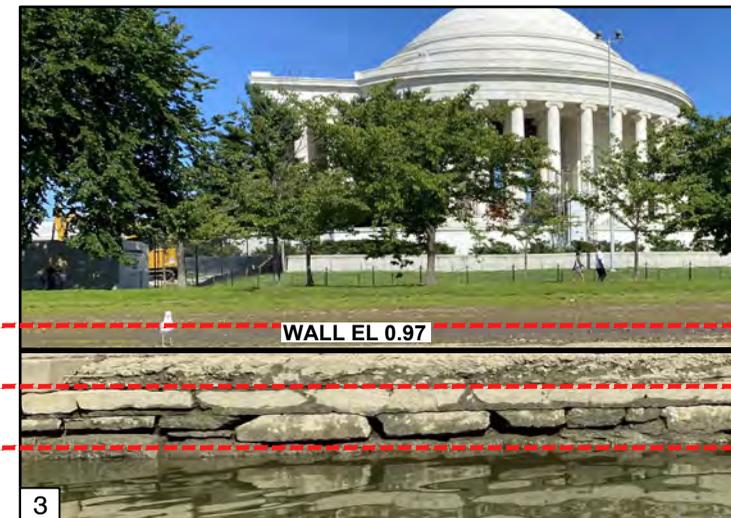
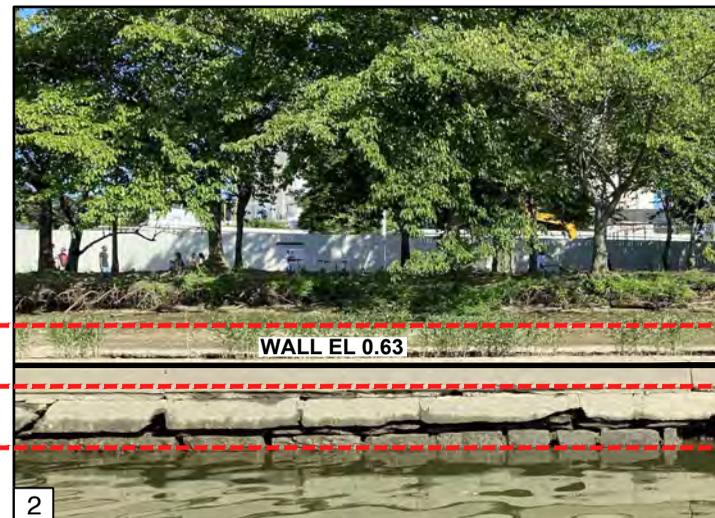
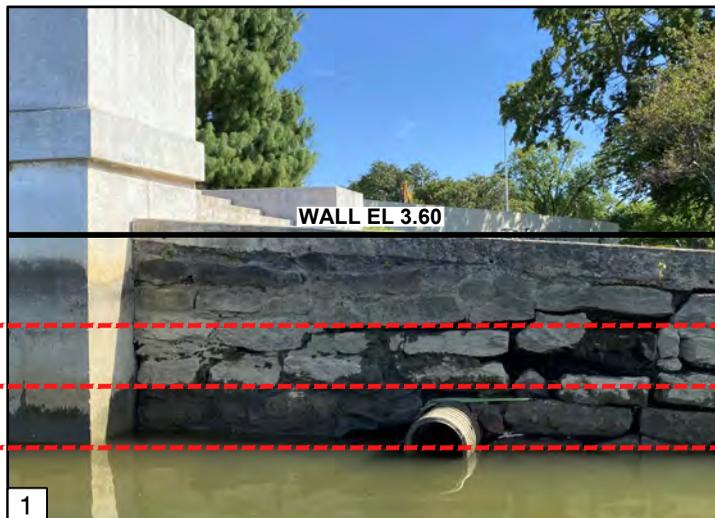
(Visualization for Planning Purposes Only)



TIDAL BASIN AND WEST POTOMAC PARK WALL ELEVATION STUDY

September 1, 2022

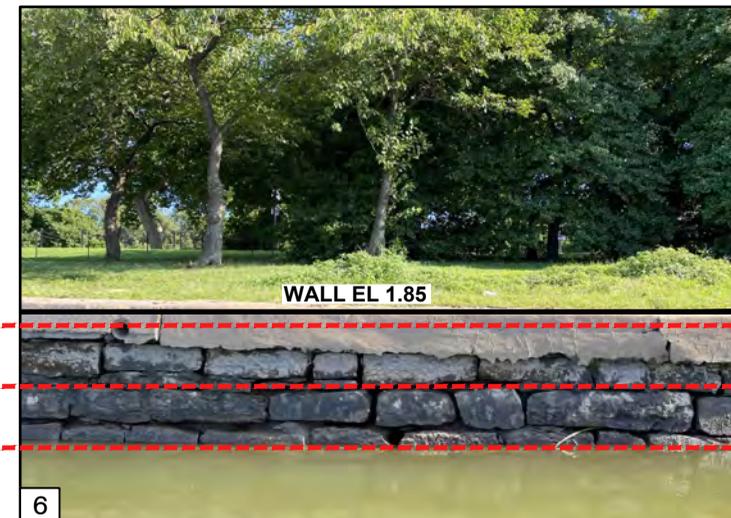
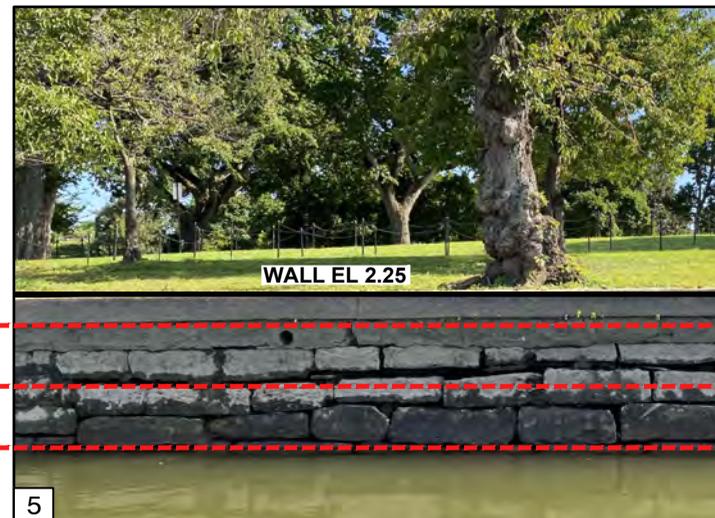
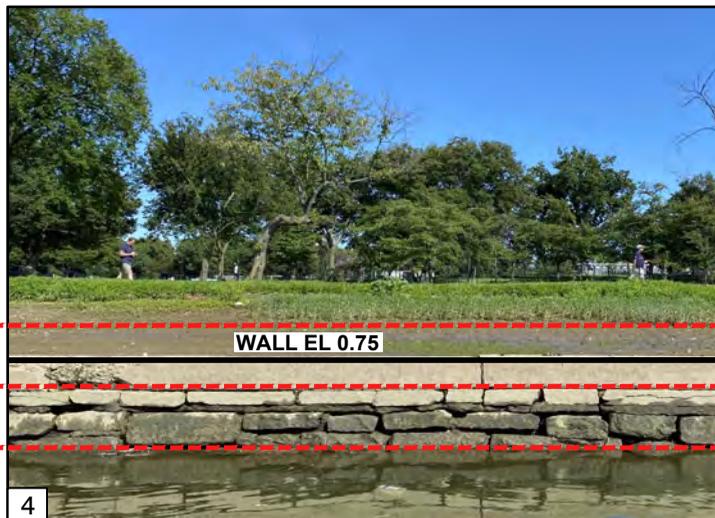
TIDAL BASIN - Jefferson Memorial to Inlet Bridge



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

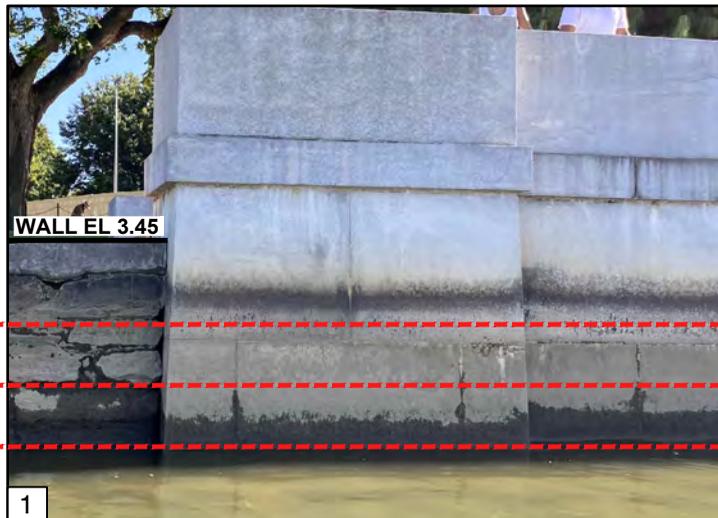
TIDAL BASIN - Jefferson Memorial to Inlet Bridge



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

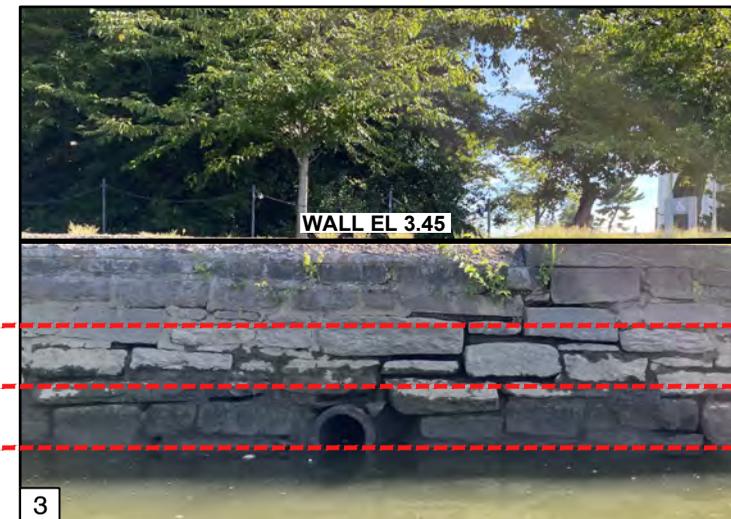
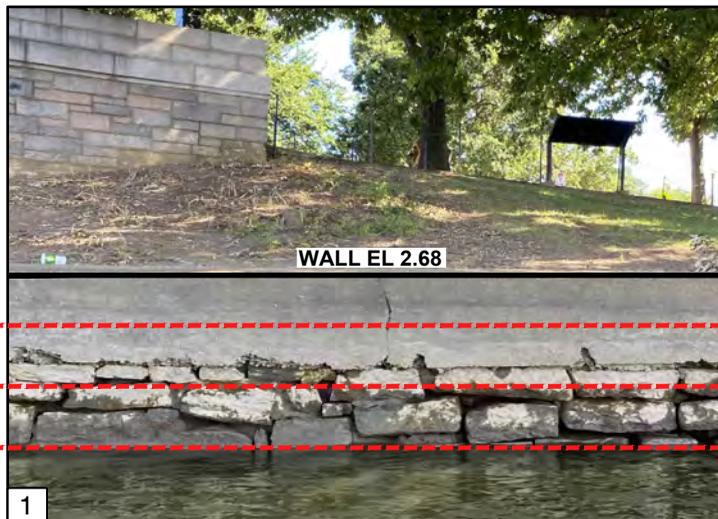
TIDAL BASIN - Jefferson Memorial



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

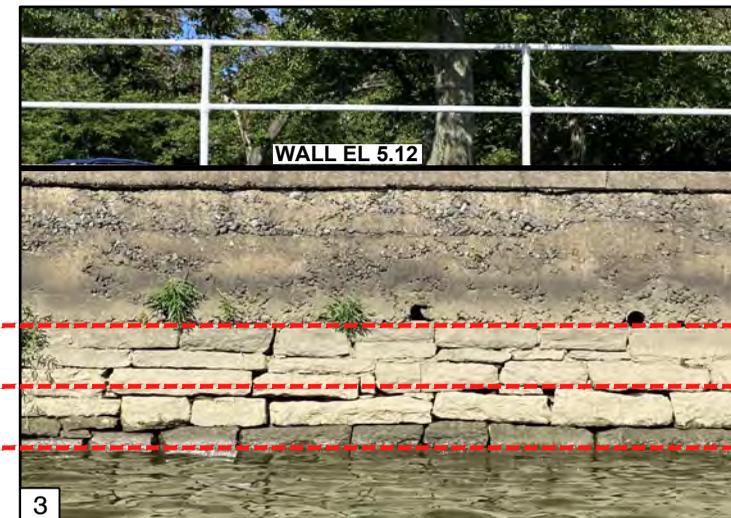
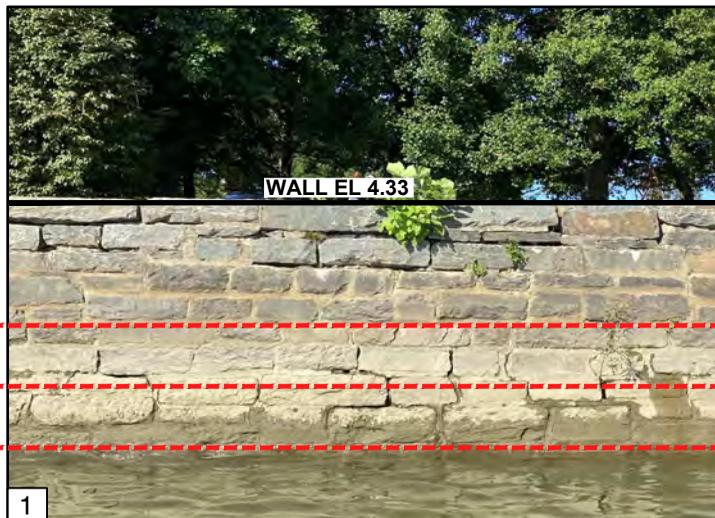
TIDAL BASIN - Outlet Bridge to Jefferson Memorial



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

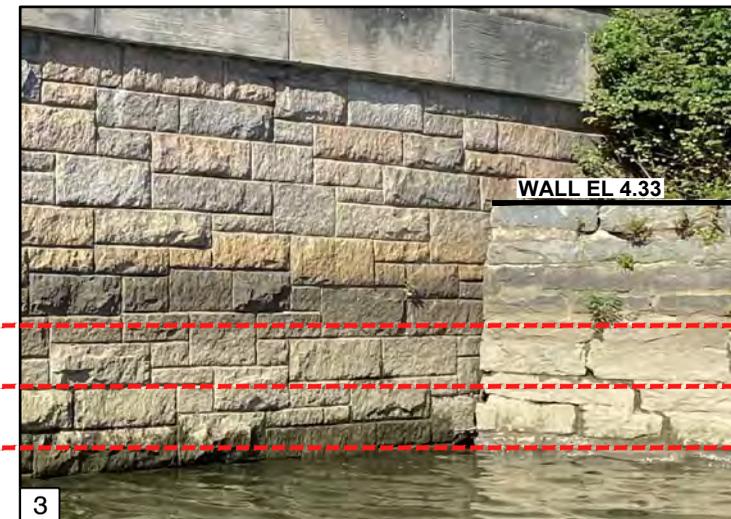
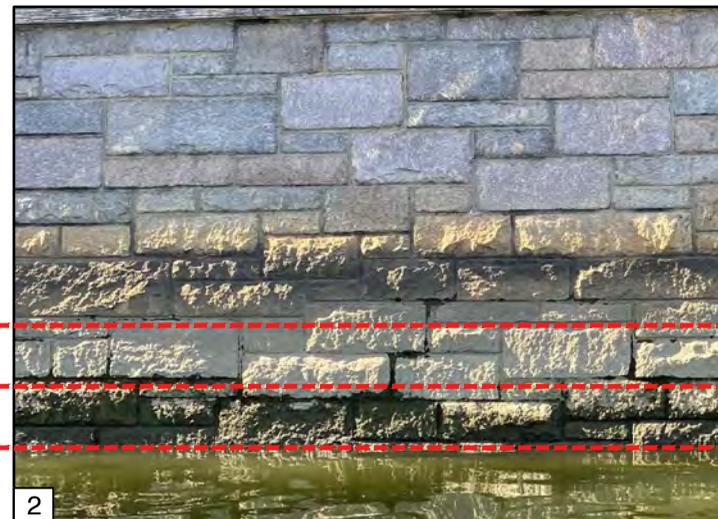
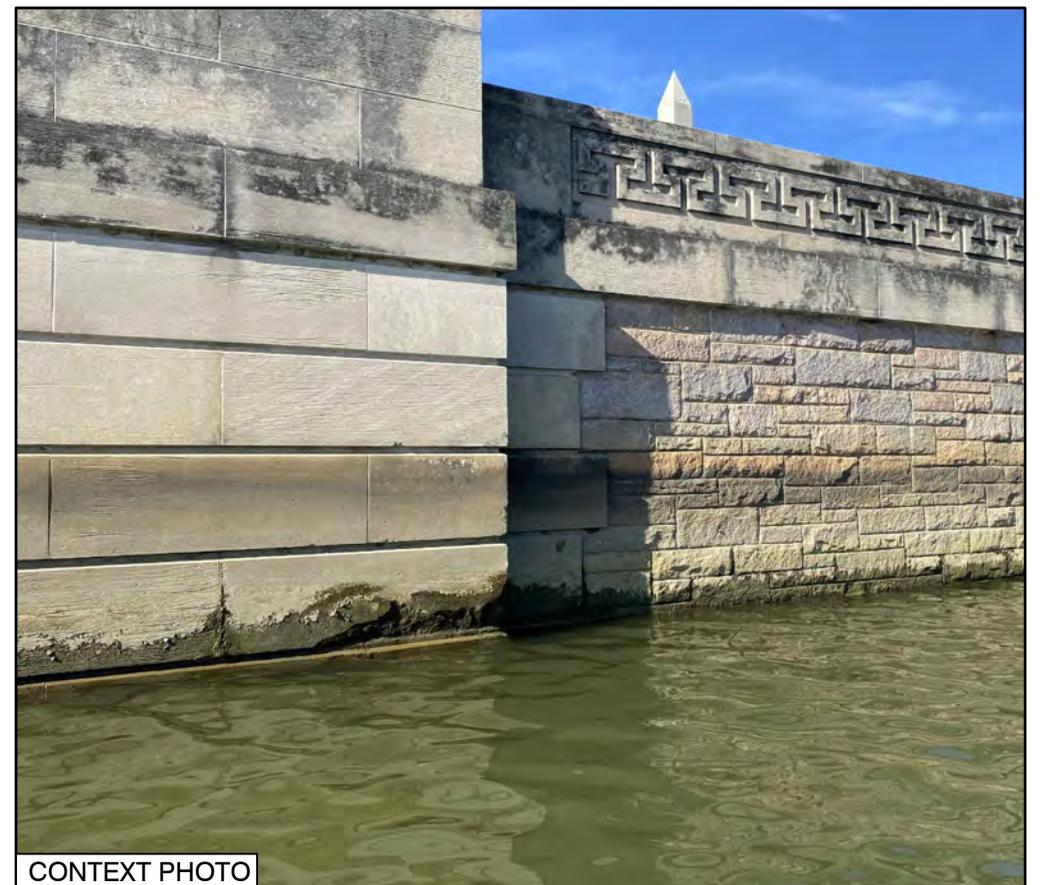
TIDAL BASIN - Kutz Bridge to Outlet Bridge



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

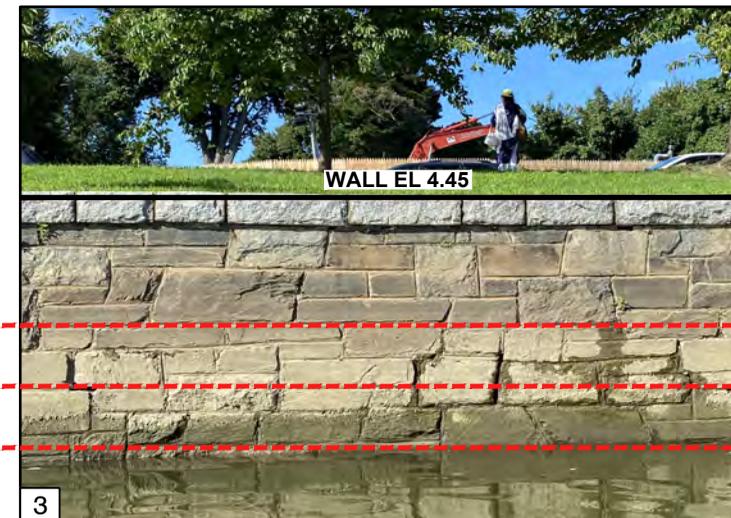
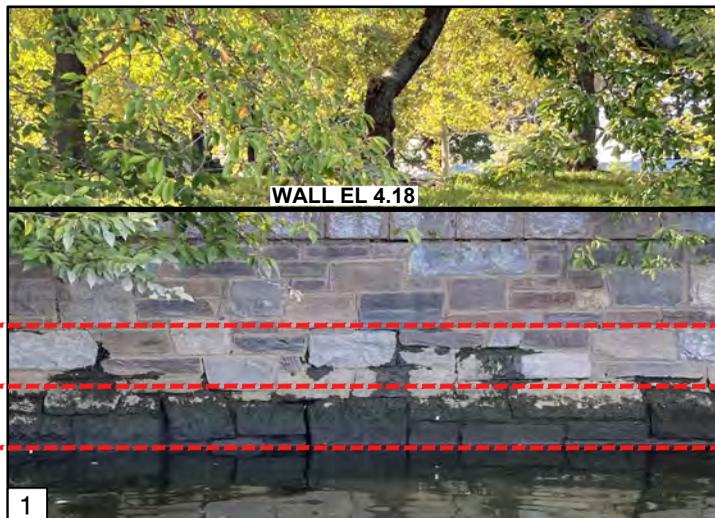
TIDAL BASIN - Kutz Bridge



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

TIDAL BASIN - Lagoon



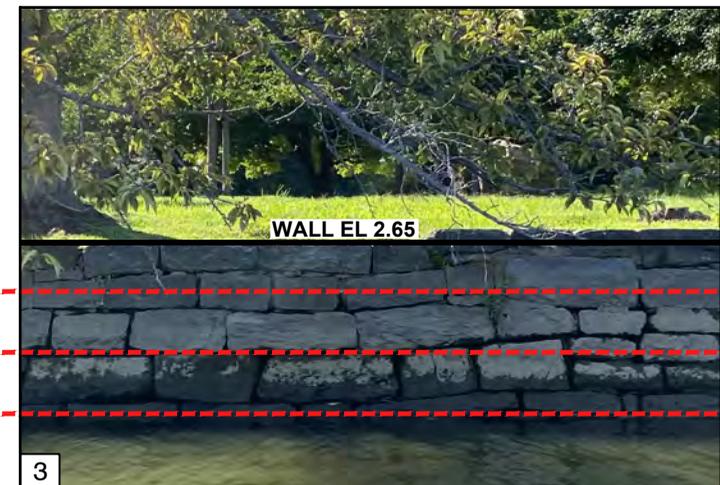
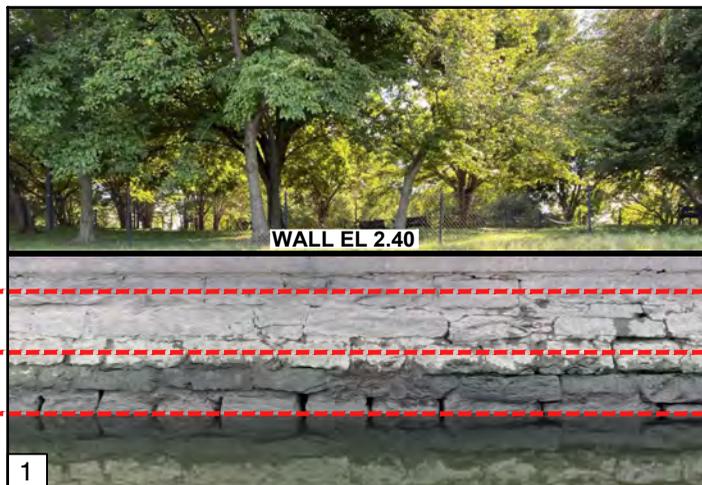
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MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

TIDAL BASIN - Japanese Pagoda to Kutz Bridge



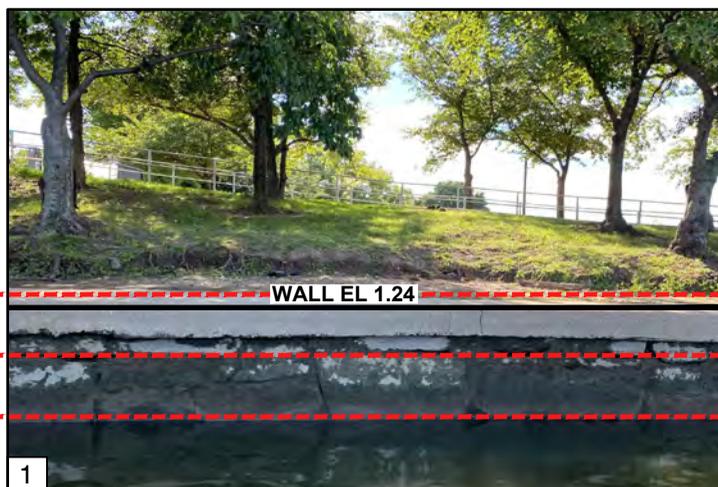
CONTEXT PHOTO



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

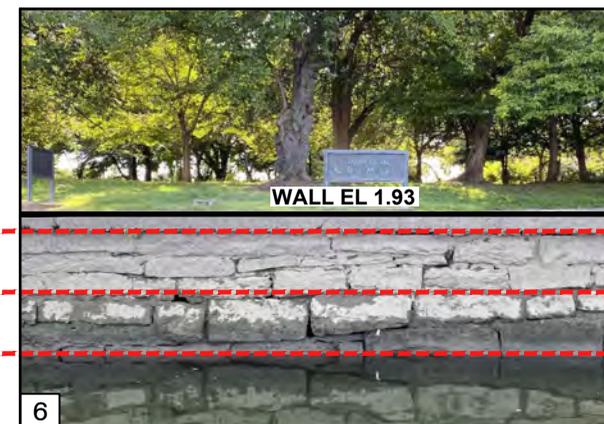
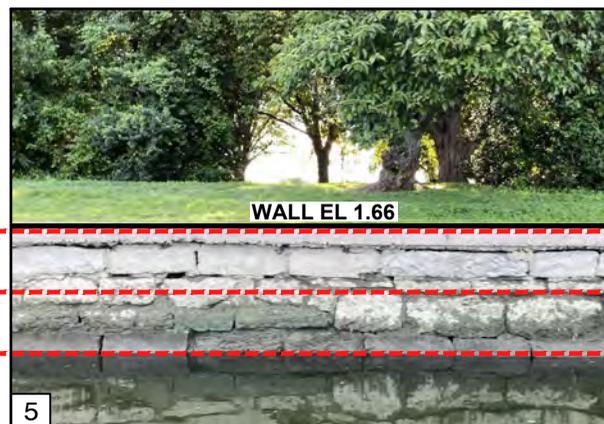
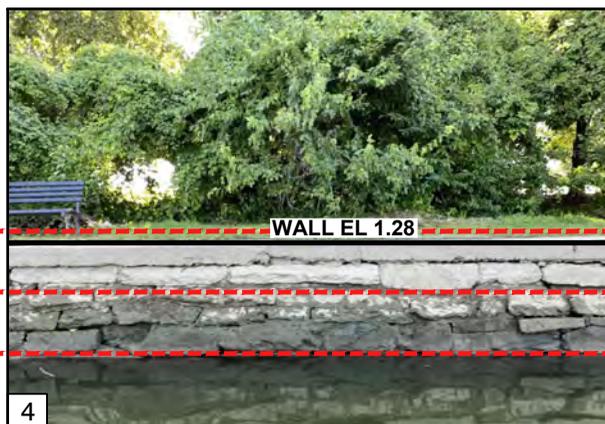
TIDAL BASIN - Inlet Bridge to Japanese Pagoda



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

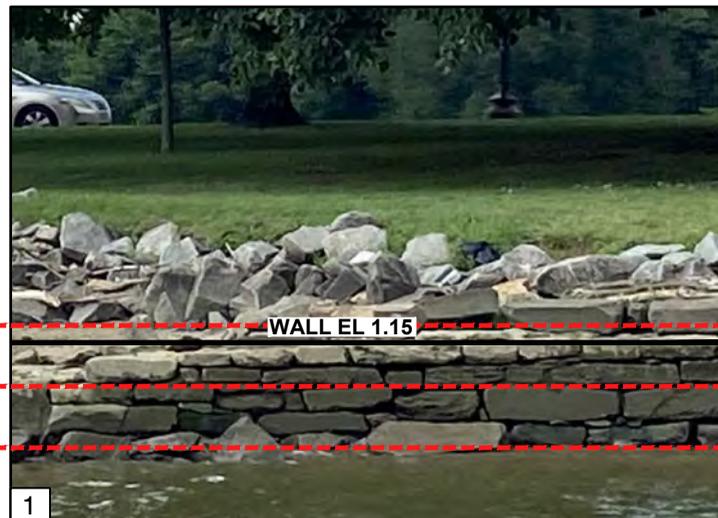
TIDAL BASIN - Inlet Bridge to Japanese Pagoda



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

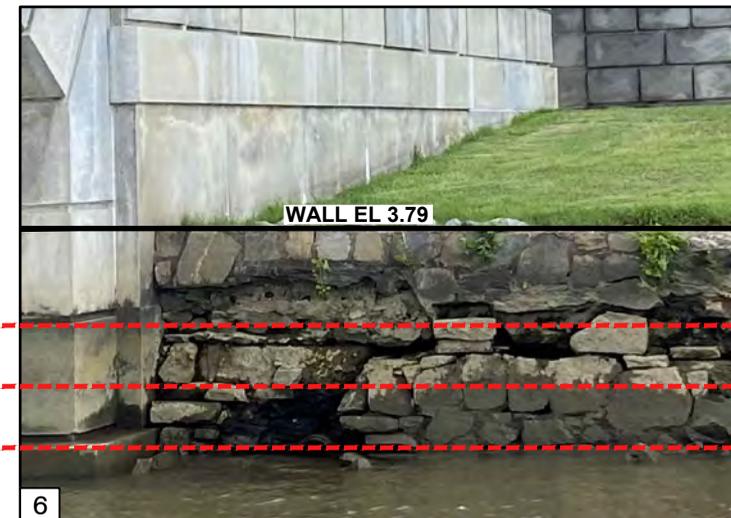
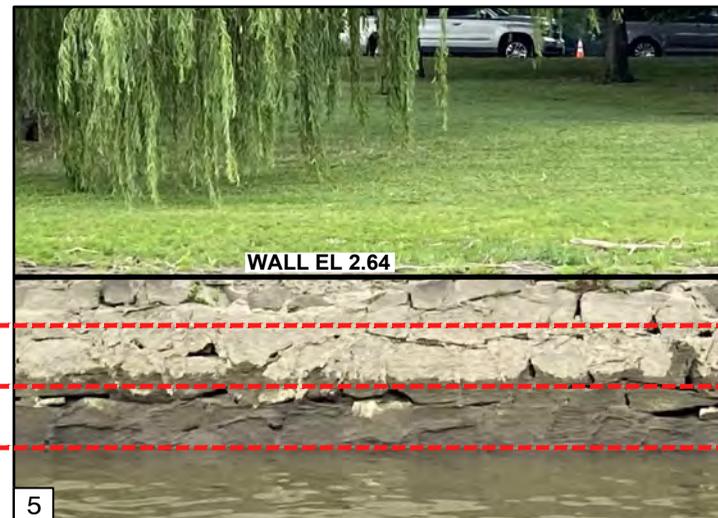
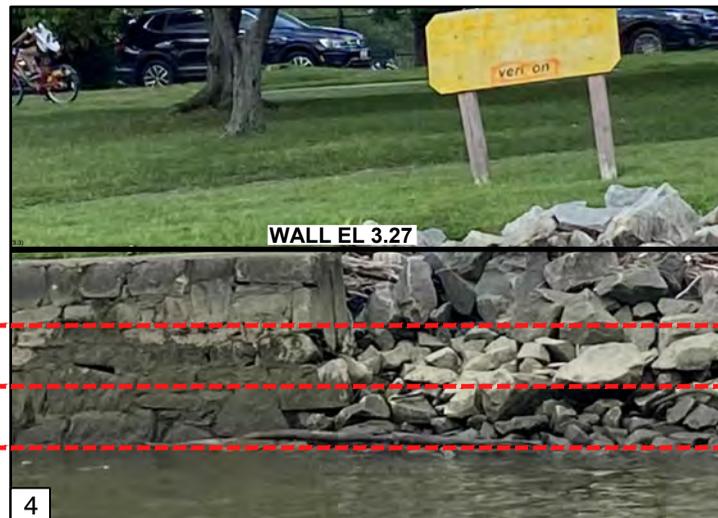
WEST POTOMAC PARK - Inlet Bridge to Arlington Memorial Bridge



MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

WEST POTOMAC PARK - Inlet Bridge to Arlington Memorial Bridge

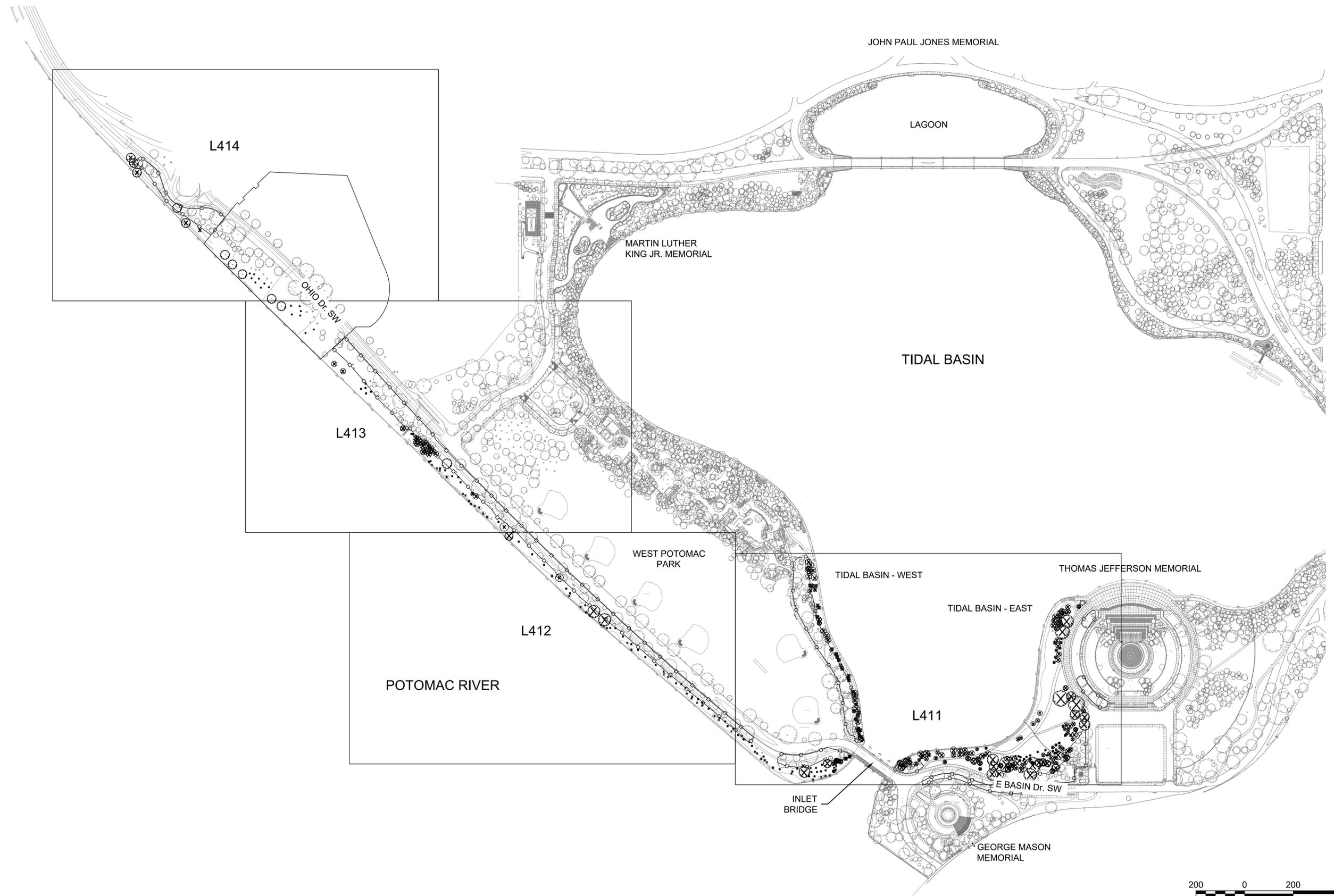


MHW +1.54
MSL +0.15
MLW -1.25

*Elevations shown in NAVD88

TIDAL BASIN - Guardrails / Handrails



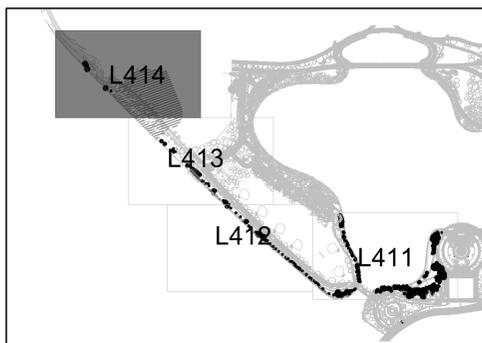
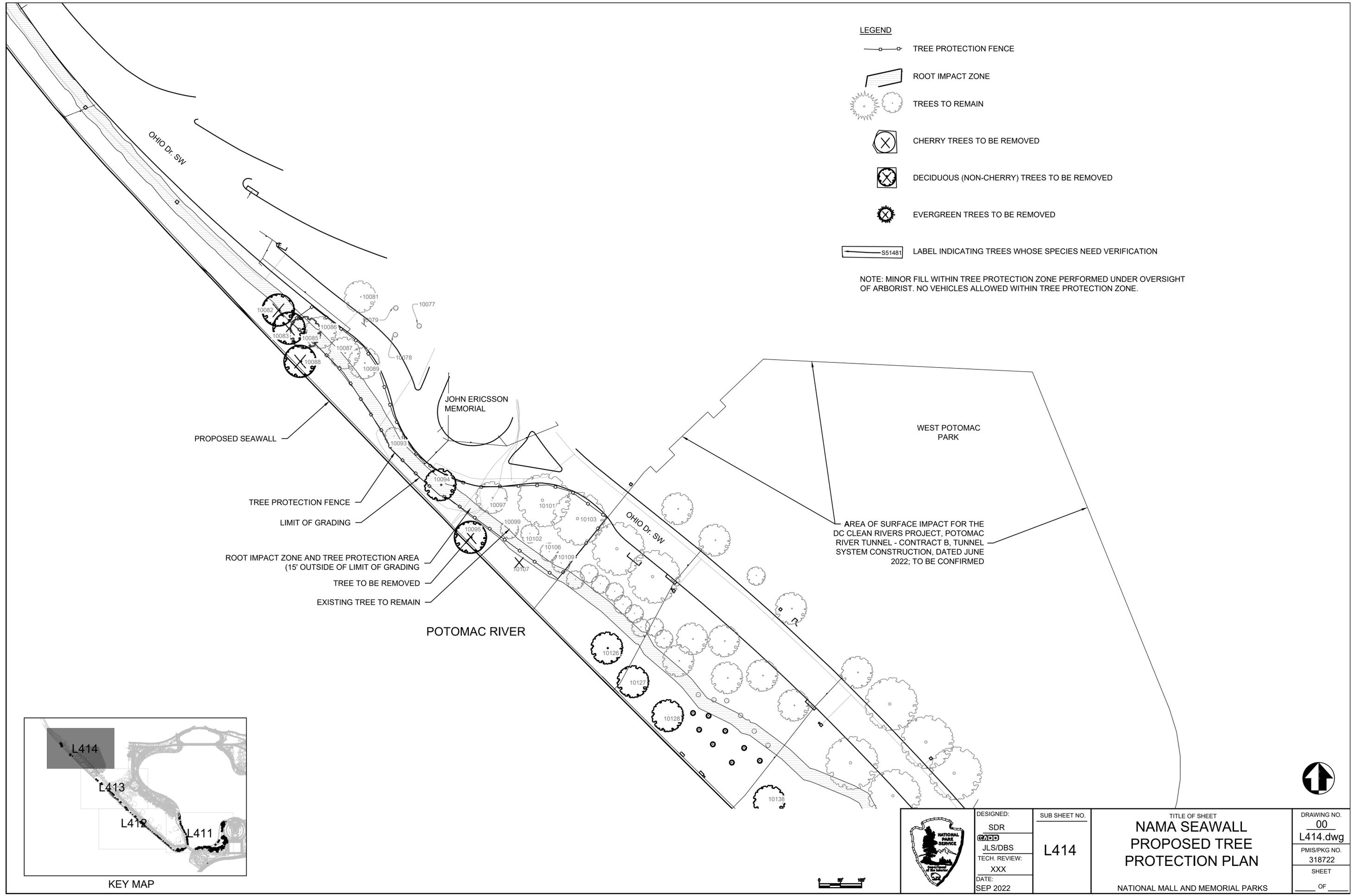


	DESIGNED:	SDR	TITLE OF SHEET	DRAWING NO.
	TECH. REVIEW:	JLS/DBS	OVERALL TREE PROTECTION PLAN AND KEY MAP	00
	DATE:	XXX		L110.dwg
		SEP 2022		PMIS/PKG NO.
				318722
			SHEET	OF

LEGEND

-  TREE PROTECTION FENCE
-  ROOT IMPACT ZONE
-  TREES TO REMAIN
-  CHERRY TREES TO BE REMOVED
-  DECIDUOUS (NON-CHERRY) TREES TO BE REMOVED
-  EVERGREEN TREES TO BE REMOVED
-  LABEL INDICATING TREES WHOSE SPECIES NEED VERIFICATION

NOTE: MINOR FILL WITHIN TREE PROTECTION ZONE PERFORMED UNDER OVERSIGHT OF ARBORIST. NO VEHICLES ALLOWED WITHIN TREE PROTECTION ZONE.



KEY MAP



	DESIGNED: SDR	SUB SHEET NO. L414	TITLE OF SHEET NAMA SEAWALL PROPOSED TREE PROTECTION PLAN	DRAWING NO. 00
	ADD JLS/DBS			PMIS/PKG NO. 318722
	TECH. REVIEW: XXX			SHEET
	DATE: SEP 2022			OF
NATIONAL MALL AND MEMORIAL PARKS				

PROPOSED PLANT LIST - CULTIVATION AND LANDSCAPE CHARACTERISTICS																
COMMON NAME	BOTANICAL NAME	Vetted & approved for future use	EDIBLE PART	Mature Height	Mature Width	Native to US	Native to Mid-Atlantic	Drought Tolerant	Pest Tolerant	Heat Tolerant	Tolerant of De-icers	Shade Tolerant	Soil	Wet Soil	Deer Resistant	Source
TREES:																
Red Maple	<i>Acer rubrum</i>		Sap	70'	50'	Yes	Yes	Good	Fair	Good	Poor	Fair	Adaptable	VG	Yes	https://plants.ces.ncsu.edu/plants/acer-rubrum/
Yellow buckeye	<i>Aesculus flava</i>		None	75'	40'	Yes	Yes	Poor	Fair	Poor	Poor	VG	Well-drained	VG		https://plants.usda.gov/home/plantProfile?symbol=AEFL; https://www.wildflower.org/plants/result.php?id_plant=AEFL
Downy Serviceberry	<i>Amelanchier arborea (or laevis)</i>		Fruit	25'	15'	Yes	Yes	Fair	Good	Good	Fair	Excellent	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/amelanchier-arborea/; https://www.wildflower.org/plants/result.php?id_plant=amar3
Serviceberry, juneberry	<i>Amelanchier spp.</i>		Berry	20'	12'	Yes	Yes	Good	VG	VG	Fair	Good	Adaptable	Poor		http://www.ediblelandscaping.com/index.php
Pawpaw	<i>Asimina triloba</i>		Fruit	15'	15'	Yes	Yes	VG	Excellent	VG	Poor	Good	Adaptable	Good		http://www.ediblelandscaping.com/index.php
River birch	<i>Betula nigra</i>		Sap	40'	40'	Yes	Yes	Fair	Fair	Fair	Fair	VG	Adaptable	Excellent	Yes	https://plants.ces.ncsu.edu/plants/betula-nigra/
Pignut Hickory	<i>Carya glabra</i>		Nuts	70'	35'	Yes	Yes	VG	Good	VG	Good	Fair	Adaptable	Fair	Yes	https://www.srs.fs.usda.gov/pubs/misc/ag_654/volume_2/carya/glabra.htm
Allegheny chinkapin	<i>Castanea pumila</i>	See Cherries-Elms-Chestnuts	Nut	20'	15'	Yes	Yes	Good	Excellent	Good	Poor	Excellent	Well-drained	Poor	No	http://www.ediblelandscaping.com/index.php
Dunstan chestnut (American/Chinese cross)	<i>Castanea dentata x mollissima</i>		Nut	60'	20'	No	No	VG	Good	Excellent	Fair	Fair	Adaptable	Poor	No	http://www.ediblelandscaping.com/index.php
Contorted filbert (Hazelnut)	<i>Corylus avellana</i>		Nut	12'	8'	Yes	Yes	Good	Excellent	VG	Poor	Good	Adaptable	Poor		http://www.ediblelandscaping.com/index.php
Hackberry	<i>Celtis occidentalis</i>		Berries	50'	40'	Yes	Yes	Fair	Fair	Fair	Good	Excellent	Adaptable	VG		https://plants.ces.ncsu.edu/plants/celtis-occidentalis/
Eastern redbud	<i>Cercis canadensis</i>		None	30'	35'	Yes	Yes	Poor	Fair	Poor	Good	Good	Adaptable	Poor	No	https://plants.ces.ncsu.edu/plants/cercis-canadensis/
Flowering Dogwood	<i>Cornus florida</i>		None	25'	25'	Yes	Yes	No	Poor	Poor	Poor	Fair	Well-drained	Poor	No	https://plants.ces.ncsu.edu/plants/cornus-florida/
Thornless Cockspur Hawthorn	<i>Crataegus crus-galli var. inermis</i>		Berries	30'	35'	Yes	Yes	VG	Poor	Fair	Fair	Fair	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/crataegus-crus-galli-var-inermis/
Winter King Green Hawthorn	<i>Crataegus viridis 'Winter King'</i>		Berries	30'	30'	Yes	Yes	Good	Fair	Good	Good	Fair	Adaptable	Fair	Yes	http://woodyplants.cals.cornell.edu/plant/78
Native persimmon	<i>Diospyros virginiana</i>		Fruit	35'	20'	Yes	Yes	VG	VG	Good	Good	Fair	Adaptable	Good		http://www.treetrail.net/
American Beech	<i>Fagus grandifolia</i>		Nuts	65'	60'	Yes	Yes	Fair	VG	Fair	Poor	Excellent	Adaptable	Poor	Yes	https://hort.ifas.ufl.edu/database/documents/pdf/tree_fact_sheets/faggraa.pdf
Honeylocust	<i>Gleditsia triacanthos</i>		None	75'	40'	Yes	No	VG	Fair	VG	VG	Poor	Adaptable	Good	Yes	https://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?kempercode=a871
American holly	<i>Ilex opaca</i>		None	100'	65'	Yes	Yes	VG	Good	Good	Fair	Excellent	Adaptable	Poor	Yes	https://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?kempercode=k640
Eastern Red Cedar	<i>Juniperus virginiana</i>		Leaf	35'	20'	Yes	Yes	VG	Good	Fair	VG	Fair	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/juniperus-virginiana/
Roundleaf Sweetgum	<i>Liquidambar styraciflua 'Rotundiloba'</i>		None	75'	40'	Yes	Yes	Good	Fair	Good	Good	Good	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/liquidambar-styraciflua-rotundiloba/
Southern magnolia	<i>Magnolia grandiflora</i>		None	90'	60'	Yes	No	Good	VG	VG	Poor	Excellent	Adaptable	Poor	No	https://en.wikipedia.org/wiki/Magnolia_%C3%97_soulangeana
Star magnolia	<i>Magnolia stellata</i>		None	20'	15'	No	No	Fair	Fair	Good	Fair	Fair	Adaptable	Fair	Yes	https://en.wikipedia.org/wiki/Magnolia_stellata
Sweetbay magnolia	<i>Magnolia virginiana</i>		None	40'	35'	Yes	Yes	Fair	Fair	VG	Fair	Excellent	Adaptable	Excellent	Yes	https://en.wikipedia.org/wiki/Magnolia_virginiana
Saucer magnolia	<i>Magnolia x soulangeana</i>		None	33'	30'	No	No	Fair	Poor	Good	Poor	Fair	Adaptable	Fair	Yes	https://plants.ces.ncsu.edu/plants/magnolia-x-soulangeana/
Crabapple	<i>Malus spp.</i>		Fruit	20'	20'	Yes	Yes	Poor	Poor	Poor	Poor	Poor	Well-drained	Poor	No	https://www.google.com/search?q=crab+apples+winter+salt&oeq=crab+apples+winter+salt&q=chrome..69i57j33i160l2j33i2i29i30.6672j0j7&sourceid=chrome&ie=UTF-8
Black Gum	<i>Nyssa sylvatica</i>		None	40'	25'	Yes	Yes	Fair	VG	Good	Fair	Fair	Adaptable	Excellent	Yes	https://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?kempercode=a670
Sycamore	<i>Platanus occidentalis</i>		None	80'	80'	Yes	Yes	Poor	Poor	Poor	Fair	Fair	Moist	Excellent	Yes	https://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?taxonid=285137&isprofile=1&basic=Platanus%20occidentalis
Black Cherry	<i>Prunus serotina</i>		Fruit	60'	40'	Yes	Yes	Poor	Poor	Fair	Fair	Good	Well-drained	Fair	Yes	https://plants.ces.ncsu.edu/plants/prunus-serotina/
Flowering cherry	<i>Prunus spp.</i>	See Cherries-Elms-Chestnuts	None	30'	35'	No	No	Fair	Fair	Fair	Fair	Good	Well-drained	Poor	No	https://hort.ifas.ufl.edu/database/documents/pdf/tree_fact_sheets/pruserb.pdf, https://www.gardenia.net/plant-variety/prunus-serrulata-japanese-flowering-cherry
White oak	<i>Quercus alba</i>		Acorns	90'	90'	Yes	Yes	Good	Good	Good	Poor	Fair	Adaptable	Good	Yes	https://pfaf.org/user/Plant.aspx?LatinName=Quercus+alba#:~:text=The%20plant%20is%20heat%20tolerant,start%20suffering%20from%20the%20heat.
Water oak	<i>Quercus nigra</i>		Acorns	90'	70'	Yes	Yes	Good	Poor	Good	Fair	Poor	Adaptable	VG	Yes	https://en.wikipedia.org/wiki/Quercus_nigra
Pin oak	<i>Quercus palustris</i>		Acorns	70'	45'	Yes	Yes	Good	Fair	Good	Poor	Poor	Adaptable	Poor	Yes	https://en.wikipedia.org/wiki/Quercus_palustris
Willow oak	<i>Quercus phellos</i>		Acorns	80'	70'	Yes	Yes	Fair	Good	Good	Good	Poor	Adaptable	Good	Yes	https://plants.ces.ncsu.edu/plants/quercus-phellos/
Chestnut oak	<i>Quercus montana</i>		Acorns	65'	65'	Yes	Yes	VG	Fair	VG	Good	Poor	Adaptable	Fair	Yes	https://edis.ifas.ufl.edu/publication/ST557
Shumard red oak	<i>Quercus shumardii</i>		Acorns	110'	60'	Yes	Yes	VG	Fair	VG	Good	Poor	Adaptable	Fair	Yes	https://en.wikipedia.org/wiki/Quercus_shumardii
Black locust	<i>Robinia pseudoacacia</i>		None	80'	35'	Yes	Yes	Good	Good	Good	Good	Poor	Adaptable	Poor	No	https://en.wikipedia.org/wiki/Robinia_pseudoacacia
Willow	<i>Salix nigra</i>		None	50'	40'	Yes	Yes	Poor	Good	Good	Poor	Fair	Adaptable	Excellent	No	https://en.wikipedia.org/wiki/Salix_nigra#:~:text=Salix%20nigra%2C%20the%20black%20willow,to%20northern%20Florida%20and%20Texas.
Bald Cypress 'Nana'	<i>Taxodium distichum x Nana</i>		None	120'	70'	Yes	Yes	VG	Good	VG	Fair	Fair	Adaptable	Excellent	Yes	https://en.wikipedia.org/wiki/Taxodium_distichum
American basswood	<i>Tilia americana</i>		Foliage, flowers	80'		Yes	Yes	Good	Good	Good	Poor	Good	Adaptable	Good	No	https://pfaf.org/user/Plant.aspx?LatinName=Tilia+americana#:~:text=The%20plant%20is%20heat%20tolerant,start%20suffering%20from%20the%20heat.
American elm	<i>Ulmus americana</i>	See Cherries-Elms-Chestnuts	None	70'	50'	Yes	Yes	Good	Good	Good	Good	Fair	Adaptable	Good	Yes	https://plants.ces.ncsu.edu/plants/ulmus-americana/

For Cherry (*Prunus*), Elm (*Ulmus*), and Chestnut (*Castanea*) see separate tab

SPECIMEN TREE SELECTIONS			
CHERRIES			
Available cultivars			
<i>Prunus serrulata</i> 'Kwanzan'	Kwanzan Japanese Flowering Cherry	66 suppliers	
<i>Prunus subhirtella</i> 'Snow Goose'	Snow Goose Higan Cherry	21 suppliers	
<i>Prunus x incam</i> 'Okame'	Okame Taiwan Cherry	49 suppliers	
<i>Prunus x subhirtella</i>	Higan Cherry	6 suppliers	
<i>Prunus yedoensis</i>	Yoshino Cherry	54 suppliers	
<i>Prunus yedoensis</i> 'Akebono'	Akebono Yoshino Cherry	21 suppliers	
<i>Prunus yedoensis</i> 'Shidare'	Shidare Yoshino Cherry	6 suppliers	
	*Source: Landscape Hub, Plant Ant		
Invasive - DO NOT PLANT			
<i>Prunus avium</i>	Sweet Cherry		
<i>Prunus cerasus</i>	Sour Cherry		
<i>Prunus mahaleb</i>	Mahaleb Cherry		
<i>Prunus tomentosa</i> Thunberg	Nanking Cherry		
	*Source for invasives: Maryland Biodiversity Project, MD Invasive		
ELMS			
Available cultivars			
<i>Ulmus americana</i> 'Princeton'	Princeton American Elm	112 suppliers	
<i>Ulmus americana</i> 'Jefferson'	Jefferson American Elm	30 suppliers	
<i>Ulmus americana</i> 'Valley Forge'	Valley Forge American Elm	34 suppliers	
<i>Ulmus americana</i> 'New Harmony'	New Harmony American Elm	15 suppliers	
<i>Ulmus americana</i> 'Lewis & Clark'	Prairie Expedition American Elm	9 suppliers	
<i>Ulmus americana</i> 'JFS-Prince II'	Colonial Spirit American Elm	8 suppliers	
	*Source: Landscape Hub, Plant Ant		
Invasive - DO NOT PLANT			
<i>Ulmus pumila</i>	Siberian Elm		
	*Source for invasives: Maryland Biodiversity Project, MD Invasive		
Chestnuts			
Available cultivars - resistant to Chestnut Blight			
<i>Castanea dentata x mollissima</i>	Dunstan Chestnut	1 supplier	(180+ available)
<i>Castanea pumila</i>	Allegheny Chinkapin	1 supplier	(limited supply)
<i>Castanea dentata</i>	American Chestnut	1 supplier	(limited supply)
<i>Castanea mollissima</i>	Chinese Chestnut	1 supplier	(limited supply)
	*Source: Landscape Hub, Plant Ant		
No invasives found			



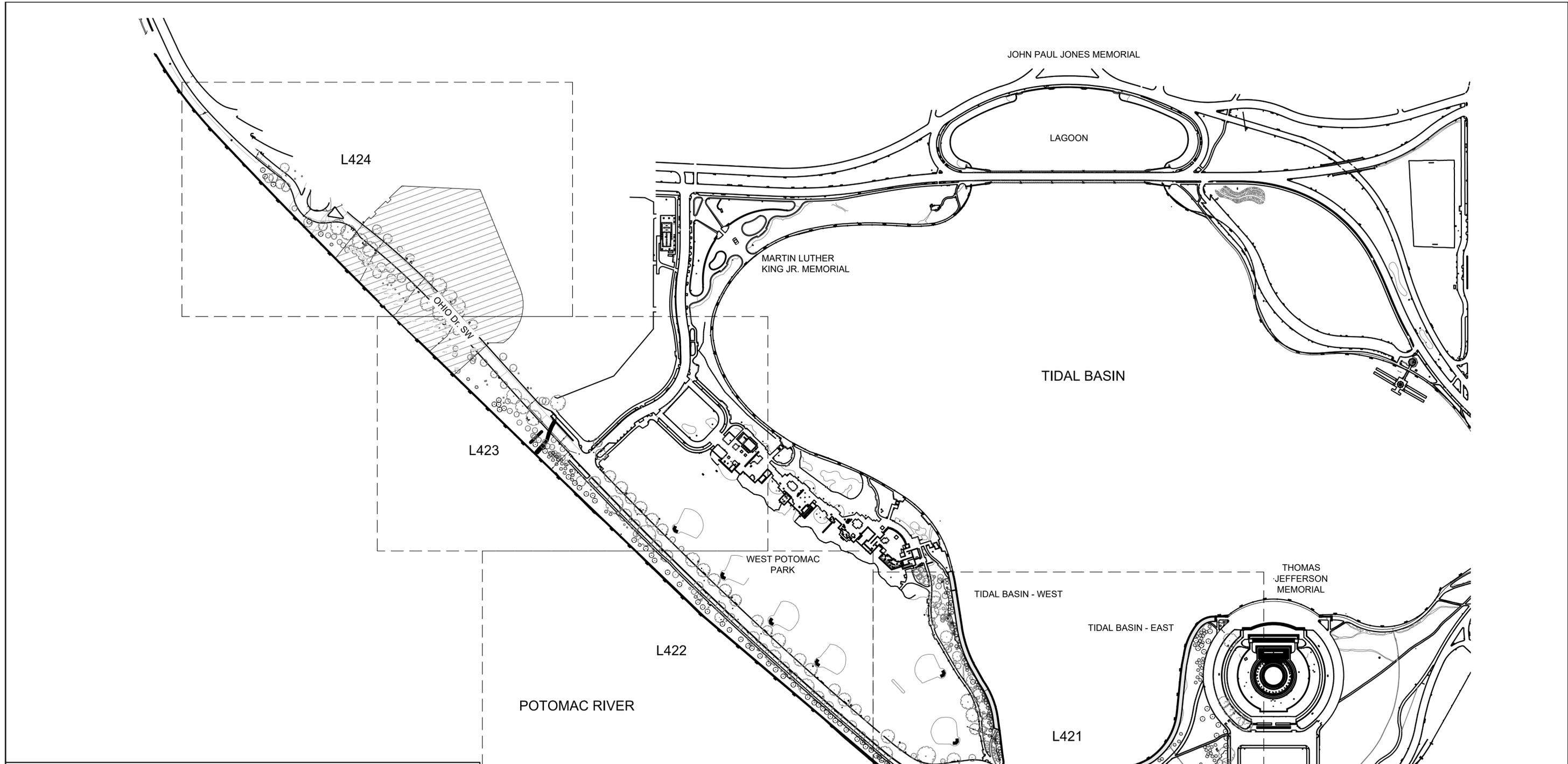
DESIGNED:
SDR
GADD
JLS/DBS
TECH. REVIEW:
XXX
DATE:
SEP 2022

SUB SHEET NO.
L501

TITLE OF SHEET
**NAMA SEAWALL
PROPOSED PLANT LIST**

NATIONAL MALL AND MEMORIAL PARKS

DRAWING NO.
00
L501.dwg
PMS/PKG NO.
318722
SHEET
17 OF **18**



TREE MITIGATION CALCULATIONS

OPTIONS:
 1. Typical Mitigation per National Capital Planning Commission (NCPC) Tree Preservation and Replacement Resource Guide
 FORMULA: DBH < 10" diameter 1:1 replacement
 DBH >= 10" replacement = diameter x Species Rating* x Condition Rating**
 2. Explore/confirm exception to mitigate all removals at 1:1 as was done for the Potomac River Tunnel Project.

* Species Rating per Mid-Atlantic Tree Species Rating Guide published by the International Society of Arboriculture (ISA) Mid-Atlantic Chapter
 ** Condition Rating per the 9th Edition of the Council of Tree and Landscape Appraisers (CTLA) Guide to Plant Appraisal (Evaluation by Certified Arborist required)

NOTES:
 At initiation of construction phase complete/updated tree survey and assessment shall be required.



	DESIGNED: SDR	SUB SHEET NO. L120	TITLE OF SHEET	DRAWING NO.
	JLS/DBS TECH. REVIEW: XXX DATE: SEP 2022		OVERALL PROPOSED VEGETATION PLAN AND KEY MAP	00 L120.dwg
			NATIONAL MALL AND MEMORIAL PARKS	PMIS/PKG NO. 318722
				SHEET XX OF XX

PLANT SCHEDULE

SYMBOL	TREE TYPE*	QUANTITY	SIZE
	DECIDUOUS TREE	39	3" - 6" CAL.
	CHERRY TREE	110	2" - 3.5" CAL.
	EVERGREEN TREE	23	10' - 16' HT.

* REFER TO PROPOSED PLANT LIST FOR POSSIBLE SPECIES

TREE MITIGATION CALCULATIONS

OPTIONS:

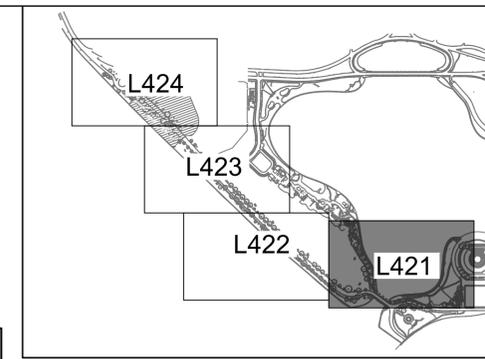
1. Typical Mitigation per National Capital Planning Commission (NCP) Tree Preservation and Replacement Resource Guide
 FORMULA: DBH < 10" diameter 1:1 replacement
 DBH ≥ 10" replacement = diameter x Species Rating* x Condition Rating**
2. Explore/confirm exception to mitigate all removals at 1:1 as was done for the Potomac River Tunnel Project.

* Species Rating per Mid-Atlantic Tree Species Rating Guide published by the International Society of Arboriculture (ISA) Mid-Atlantic Chapter

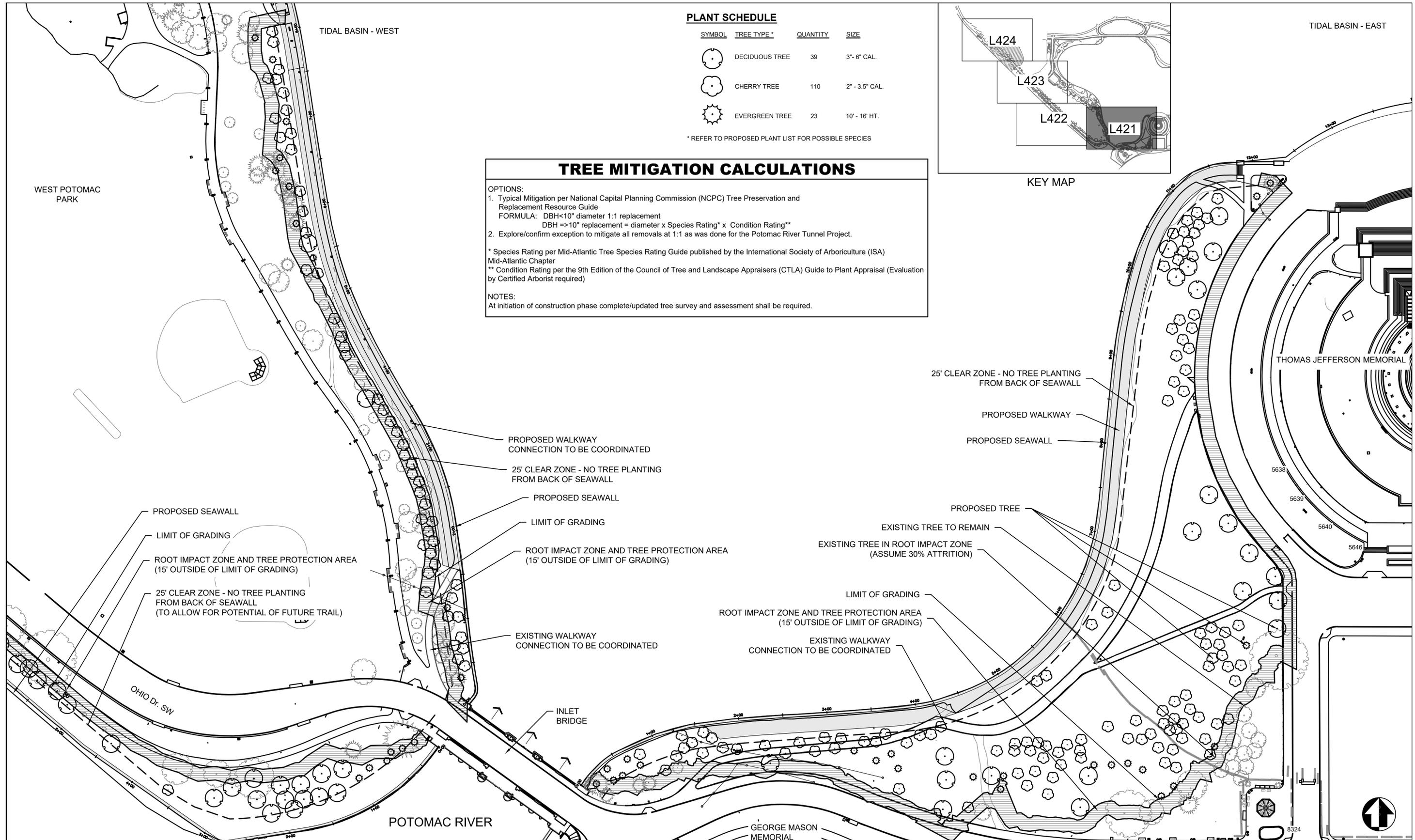
** Condition Rating per the 9th Edition of the Council of Tree and Landscape Appraisers (CTLA) Guide to Plant Appraisal (Evaluation by Certified Arborist required)

NOTES:

At initiation of construction phase complete/updated tree survey and assessment shall be required.



KEY MAP



25' CLEAR ZONE - NO TREE PLANTING FROM BACK OF SEAWALL

PROPOSED WALKWAY

PROPOSED SEAWALL

PROPOSED WALKWAY CONNECTION TO BE COORDINATED

25' CLEAR ZONE - NO TREE PLANTING FROM BACK OF SEAWALL

PROPOSED SEAWALL

LIMIT OF GRADING

ROOT IMPACT ZONE AND TREE PROTECTION AREA (15' OUTSIDE OF LIMIT OF GRADING)

PROPOSED SEAWALL

LIMIT OF GRADING

ROOT IMPACT ZONE AND TREE PROTECTION AREA (15' OUTSIDE OF LIMIT OF GRADING)

25' CLEAR ZONE - NO TREE PLANTING FROM BACK OF SEAWALL (TO ALLOW FOR POTENTIAL OF FUTURE TRAIL)

EXISTING WALKWAY CONNECTION TO BE COORDINATED

EXISTING TREE TO REMAIN
 EXISTING TREE IN ROOT IMPACT ZONE (ASSUME 30% ATTRITION)

LIMIT OF GRADING

ROOT IMPACT ZONE AND TREE PROTECTION AREA (15' OUTSIDE OF LIMIT OF GRADING)

EXISTING WALKWAY CONNECTION TO BE COORDINATED

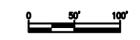
OHIO Dr. SW

INLET BRIDGE

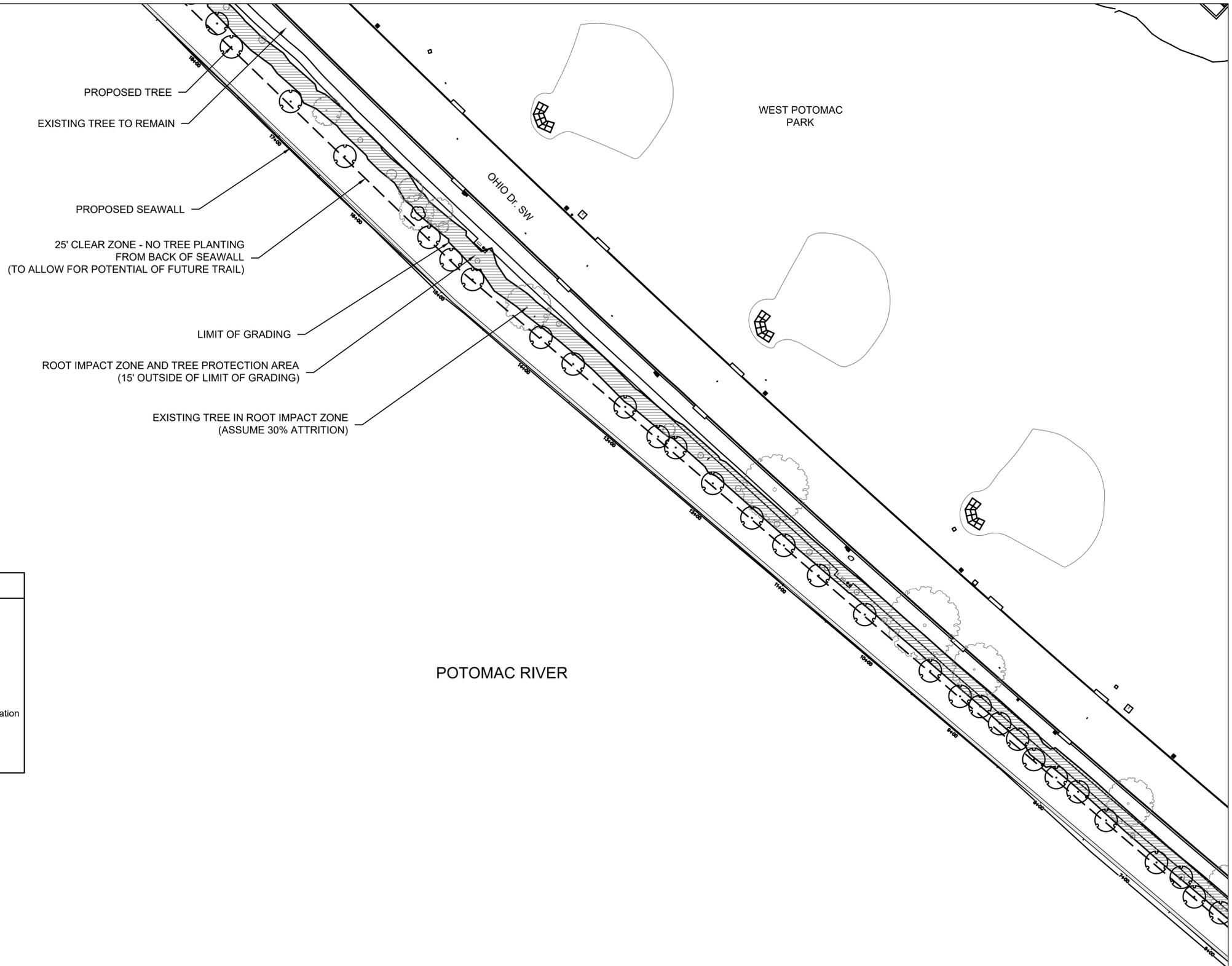
POTOMAC RIVER

GEORGE MASON MEMORIAL

THOMAS JEFFERSON MEMORIAL



	DESIGNED:	SDR	SUB SHEET NO. L421	TITLE OF SHEET PROPOSED VEGETATION PLAN	DRAWING NO. 00
		JLS/DBS			PMIS/PKG NO. 318722
	TECH. REVIEW:	XXX			SHEET
	DATE:	SEP 2022			XX OF XX
NATIONAL MALL AND MEMORIAL PARKS					



PLANT SCHEDULE - SHEET 06-13

SYMBOL	TREE TYPE*	QUANTITY	SIZE
	DECIDUOUS TREE	30	3" - 6" CAL.
	CHERRY TREE	2	2" - 3.5" CAL.
	EVERGREEN TREE	0	10' - 16' HT.

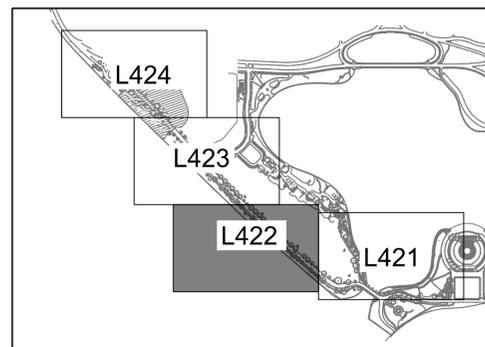
* REFER TO PROPOSED PLANT LIST FOR POSSIBLE SPECIES

TREE MITIGATION CALCULATIONS

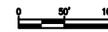
OPTIONS:
 1. Typical Mitigation per National Capital Planning Commission (NCPC) Tree Preservation and Replacement Resource Guide
 FORMULA: DBH < 10" diameter 1:1 replacement
 DBH ≥ 10" replacement = diameter x Species Rating* x Condition Rating**
 2. Explore/confirm exception to mitigate all removals at 1:1 as was done for the Potomac River Tunnel Project.

* Species Rating per Mid-Atlantic Tree Species Rating Guide published by the International Society of Arboriculture (ISA) Mid-Atlantic Chapter
 ** Condition Rating per the 9th Edition of the Council of Tree and Landscape Appraisers (CTLA) Guide to Plant Appraisal (Evaluation by Certified Arborist required)

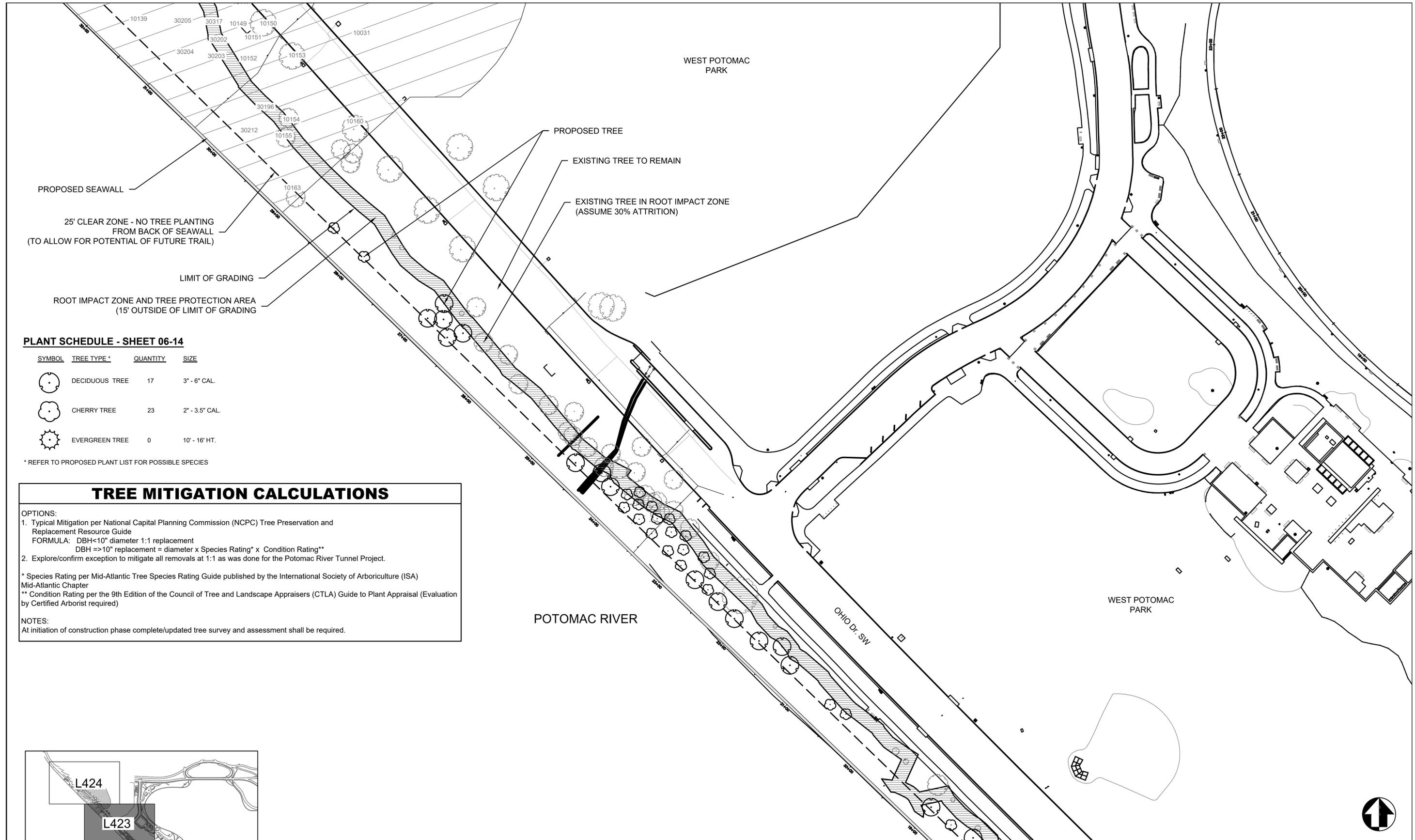
NOTES:
 At initiation of construction phase complete/updated tree survey and assessment shall be required.



KEY MAP



	DESIGNED: SDR	SUB SHEET NO. L422	TITLE OF SHEET PROPOSED VEGETATION PLAN	DRAWING NO. 00
	JLS/DBS TECH. REVIEW: XXX			PMIS/PKG NO. 318722
	DATE: SEP 2022			SHEET XX OF XX
	NATIONAL MALL AND MEMORIAL PARKS			



PROPOSED SEAWALL

25' CLEAR ZONE - NO TREE PLANTING FROM BACK OF SEAWALL (TO ALLOW FOR POTENTIAL OF FUTURE TRAIL)

LIMIT OF GRADING

ROOT IMPACT ZONE AND TREE PROTECTION AREA (15' OUTSIDE OF LIMIT OF GRADING)

PROPOSED TREE

EXISTING TREE TO REMAIN

EXISTING TREE IN ROOT IMPACT ZONE (ASSUME 30% ATTRITION)

PLANT SCHEDULE - SHEET 06-14

SYMBOL	TREE TYPE *	QUANTITY	SIZE
	DECIDUOUS TREE	17	3" - 6" CAL.
	CHERRY TREE	23	2" - 3.5" CAL.
	EVERGREEN TREE	0	10' - 16' HT.

* REFER TO PROPOSED PLANT LIST FOR POSSIBLE SPECIES

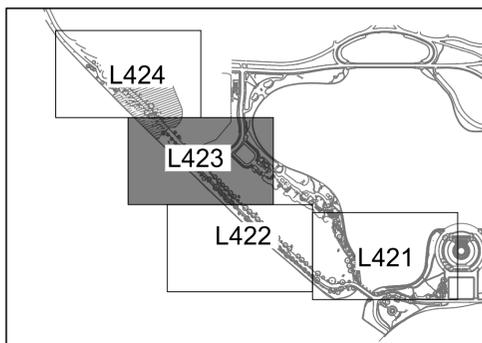
TREE MITIGATION CALCULATIONS

OPTIONS:

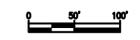
- Typical Mitigation per National Capital Planning Commission (NCP) Tree Preservation and Replacement Resource Guide
 FORMULA: DBH < 10" diameter 1:1 replacement
 DBH ≥ 10" replacement = diameter x Species Rating* x Condition Rating**
- Explore/confirm exception to mitigate all removals at 1:1 as was done for the Potomac River Tunnel Project.

* Species Rating per Mid-Atlantic Tree Species Rating Guide published by the International Society of Arboriculture (ISA) Mid-Atlantic Chapter
 ** Condition Rating per the 9th Edition of the Council of Tree and Landscape Appraisers (CTLA) Guide to Plant Appraisal (Evaluation by Certified Arborist required)

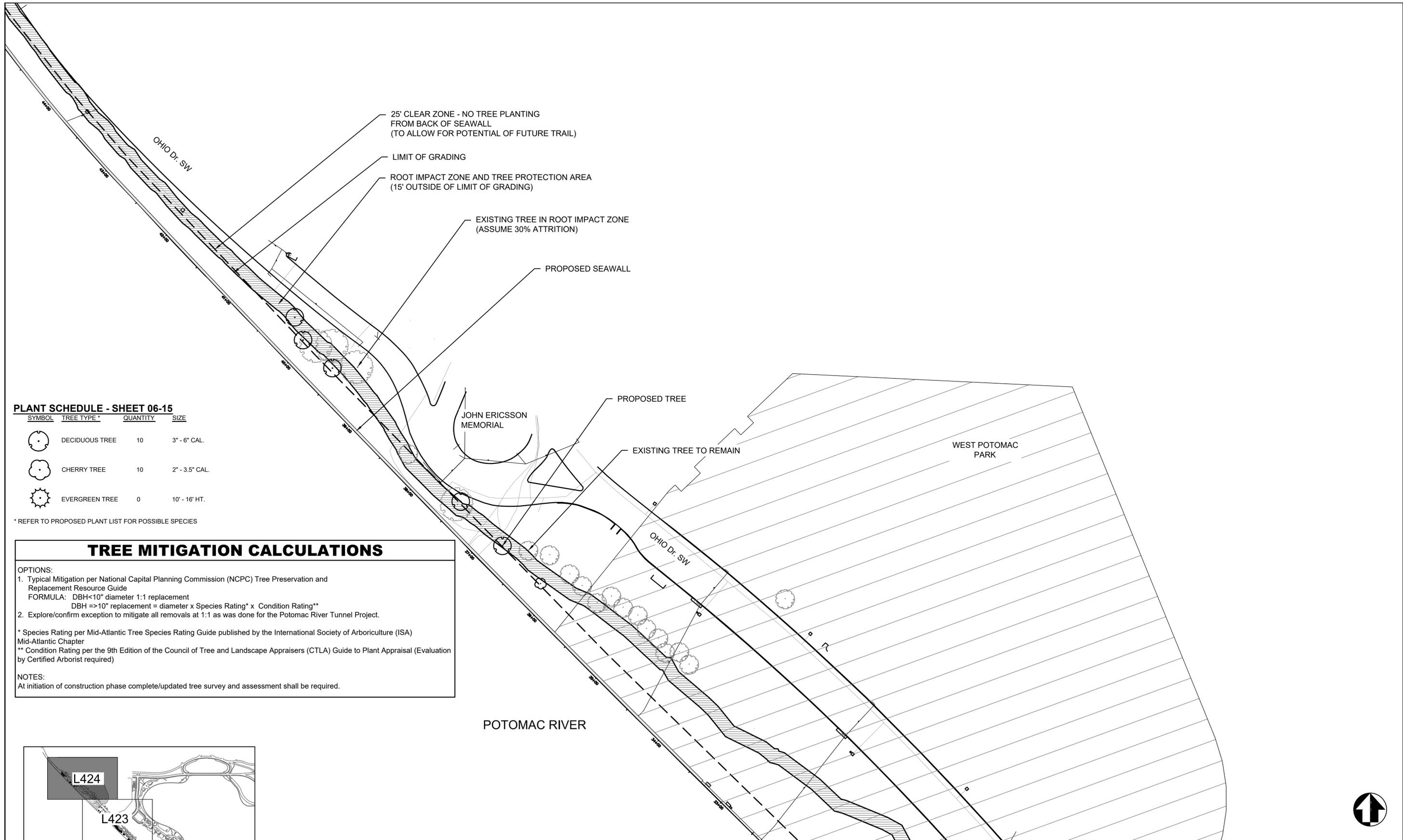
NOTES:
 At initiation of construction phase complete/updated tree survey and assessment shall be required.



KEY MAP



	DESIGNED:	SDR	SUB SHEET NO.	L423	TITLE OF SHEET	PROPOSED VEGETATION PLAN	DRAWING NO.	00	
	JLS/DBS	XXX						L423.dwg	
	TECH. REVIEW:	XXX						PMIS/PKG NO.	318722
	DATE:	SEP 2022						SHEET	XX OF XX
					NATIONAL MALL AND MEMORIAL PARKS				



PLANT SCHEDULE - SHEET 06-15

SYMBOL	TREE TYPE*	QUANTITY	SIZE
	DECIDUOUS TREE	10	3" - 6" CAL.
	CHERRY TREE	10	2" - 3.5" CAL.
	EVERGREEN TREE	0	10' - 16' HT.

* REFER TO PROPOSED PLANT LIST FOR POSSIBLE SPECIES

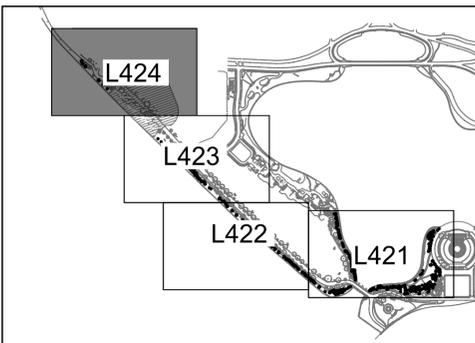
TREE MITIGATION CALCULATIONS

OPTIONS:

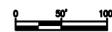
1. Typical Mitigation per National Capital Planning Commission (NCPC) Tree Preservation and Replacement Resource Guide
 FORMULA: DBH < 10" diameter 1:1 replacement
 DBH => 10" replacement = diameter x Species Rating* x Condition Rating**
2. Explore/confirm exception to mitigate all removals at 1:1 as was done for the Potomac River Tunnel Project.

* Species Rating per Mid-Atlantic Tree Species Rating Guide published by the International Society of Arboriculture (ISA) Mid-Atlantic Chapter
 ** Condition Rating per the 9th Edition of the Council of Tree and Landscape Appraisers (CTLA) Guide to Plant Appraisal (Evaluation by Certified Arborist required)

NOTES:
 At initiation of construction phase complete/updated tree survey and assessment shall be required.



KEY MAP



	DESIGNED:	SDR	SUB SHEET NO.	L424	TITLE OF SHEET	PROPOSED VEGETATION PLAN	DRAWING NO.	00	
		JLS/DBS						L424.dwg	
	TECH. REVIEW:	XXX						PMIS/PKG NO.	318722
	DATE:	SEP 2022						SHEET	XX OF XX
					NATIONAL MALL AND MEMORIAL PARKS				

