



Public Open House



NPS – Restore North and South Seawalls at Perry's Victory To Safeguard Site Project

December 17, 2020



Restore North and South Seawalls at Perry's Victory To Safeguard Site Project

National Park Service
U.S. Department of the Interior
Perry's Victory and International Peace Memorial
Put-In-Bay, Ohio

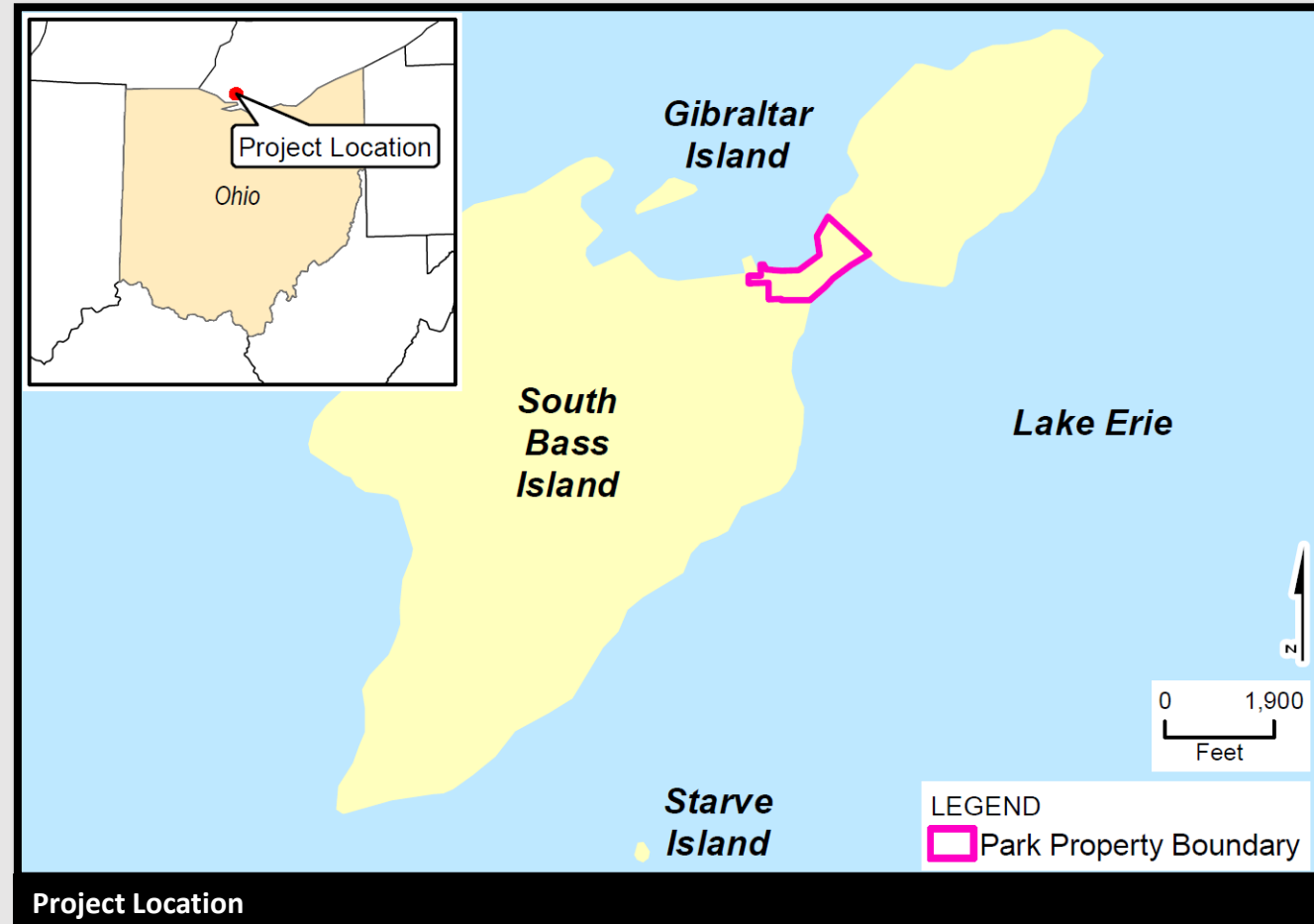
Welcome

The purpose of the open house is to provide you with an overview of the Environmental Assessment (EA) prepared to assess the potential effects of seawall restoration efforts. We will also review the highlights of proposed project.

We invite you to:

- View the presentation.
- Talk to us about the project and ask questions.
- Provide comments on the Draft EA and input under Section 106 of the National Historic Preservation Act.

Thank you for joining us!





Background

- The Park sits on a low-lying isthmus connecting the east and west sides of South Bass Island.
- The seawalls were originally constructed in 1936 to protect the site.
- The seawalls were raised and expanded, most recently in 1976, to better maintain and protect the nationally significant site.
- Lake levels fluctuate over time.



Historic Image of the Monument



Historic Image of the Park



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Purpose of Action

To protect the Park and create safe conditions for visitors by restoring the seawalls, limiting wave overtopping, and managing stormwater at the Park. The proposed project would protect cultural resources, help ensure the health and safety of the public, and enhance the visitor experience while preserving the Park setting.



View of the Monument and the North Seawall



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Need for Action

- The current condition of the seawalls is poor. Significant undermining would continue.
- The stormwater drainage system is not sized to manage large rainfall events, resulting in significant flooding.
- The nationally significant memorial is not adequately protected, and visitor use of the grounds is diminished.
- Access to the east side of the island is limited by flooding at the site. Park visitor and resident safety is threatened by the frequent inundation of State Highway (SH) 357.





Overview on Public Input

- Public open house in July 2020
- Public comment period
- Public comments
 - Support for the Proposed Action
 - Modifications to the Proposed Action
 - Shoreline Processes: Erosion at the North Shore
 - Shoreline Processes: Beach and Erosion at the South Shore
 - Shoreline Processes: Debris at the Public Beach



Environmental Assessment

- Chapter 1: Purpose and Need
- Chapter 2: Alternatives: *Addresses public scoping input*
 - Alternatives Considered but Not Evaluated Further
 - No Action
 - Proposed Action
- Chapter 3: Affected Environment
 - Water Resources and Floodplains
 - Shoreline Processes *Addresses questions and observations about shoreline erosion/debris*
 - Cultural Resources
 - Human Health, Safety, and Use
- Chapter 4: Environmental Consequences (Same Categories) *Describes potential impacts to all the resource categories*
- Chapter 5: Agency Consultation, Coordination, and Public Outreach: *Summarizes public scoping input*

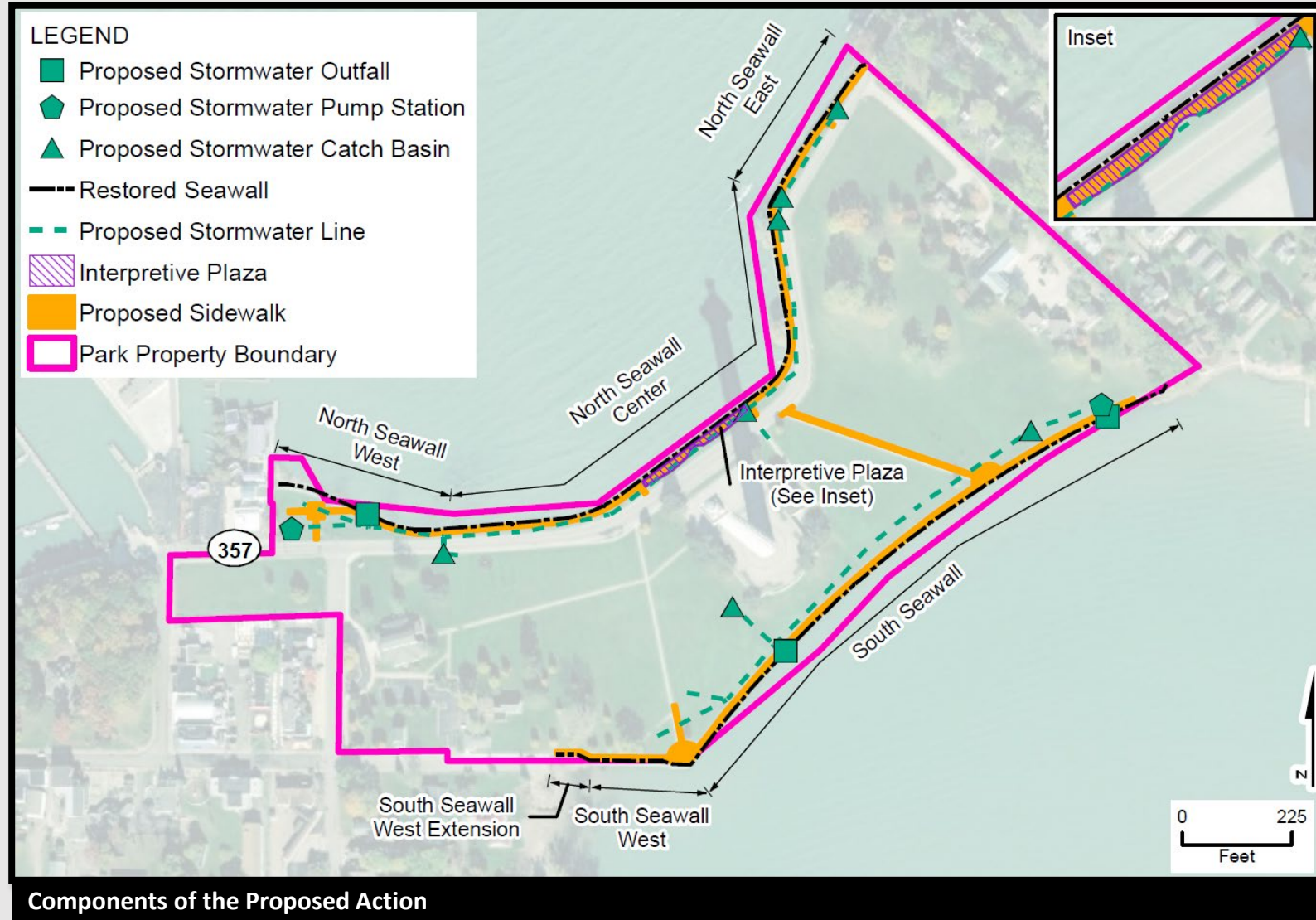


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Proposed Project

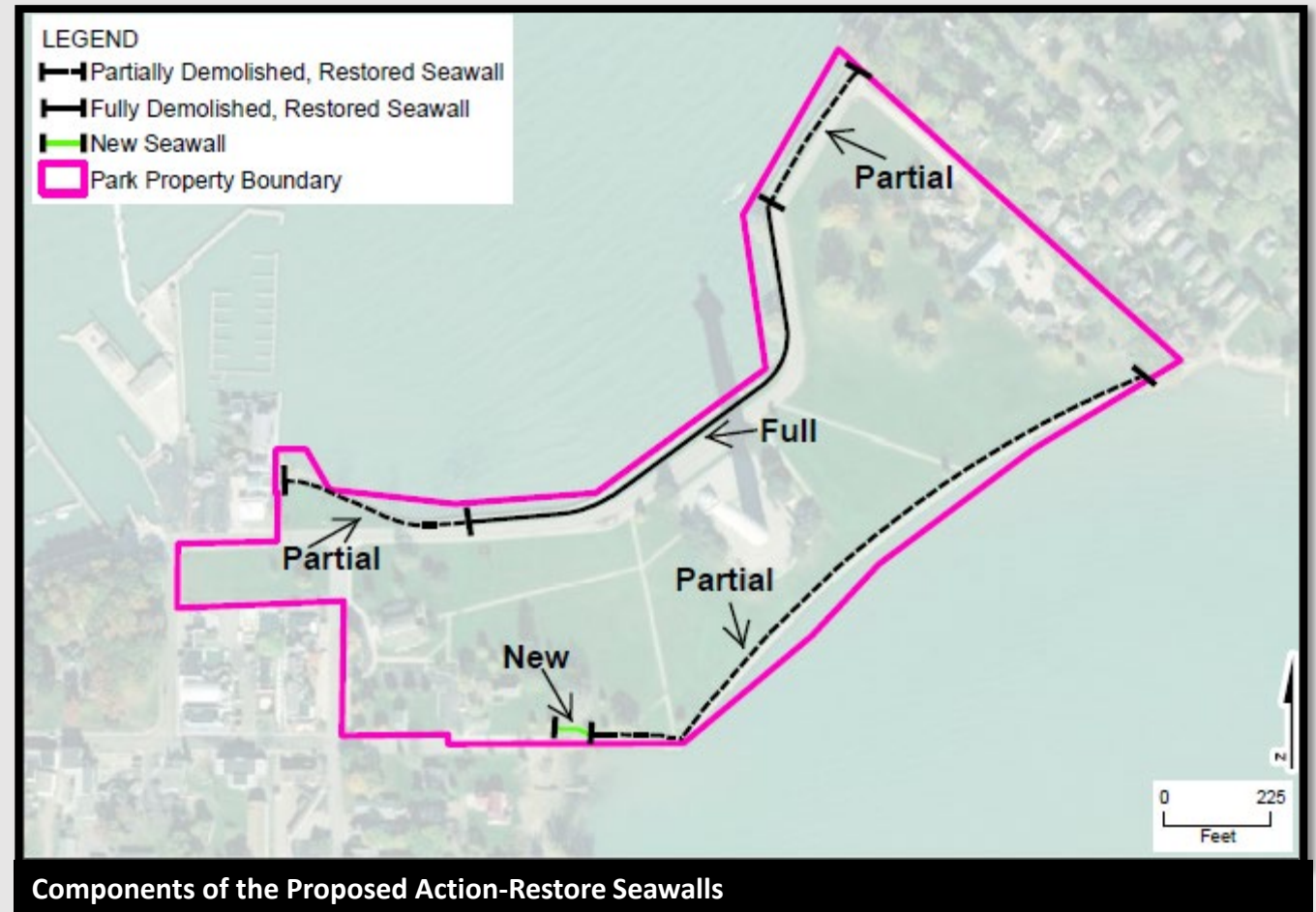
- Restore Seawall
 - Replace
 - Restore (Partial Replacement)
 - New
- Improve Stormwater System
 - Stormwater Lines
 - Pumping Stations
 - Catch Basin
 - Outfalls
 - Vortex Separator
- Improve Visitor Experience
 - New Sidewalk
 - Step Lighting
 - Interpretive Plaza
 - Benches and Trash Receptacles
- Protect Cultural Resources through Design





Proposed Project – Restore Seawalls

- 3,322 linear feet of the North and South Seawalls to be partially or fully replaced
- Height increase by 12 to 24 inches above existing seawalls.
- New 80-foot-long seawall extension—
South Seawall—West
- Patch repairs to the South Seawall

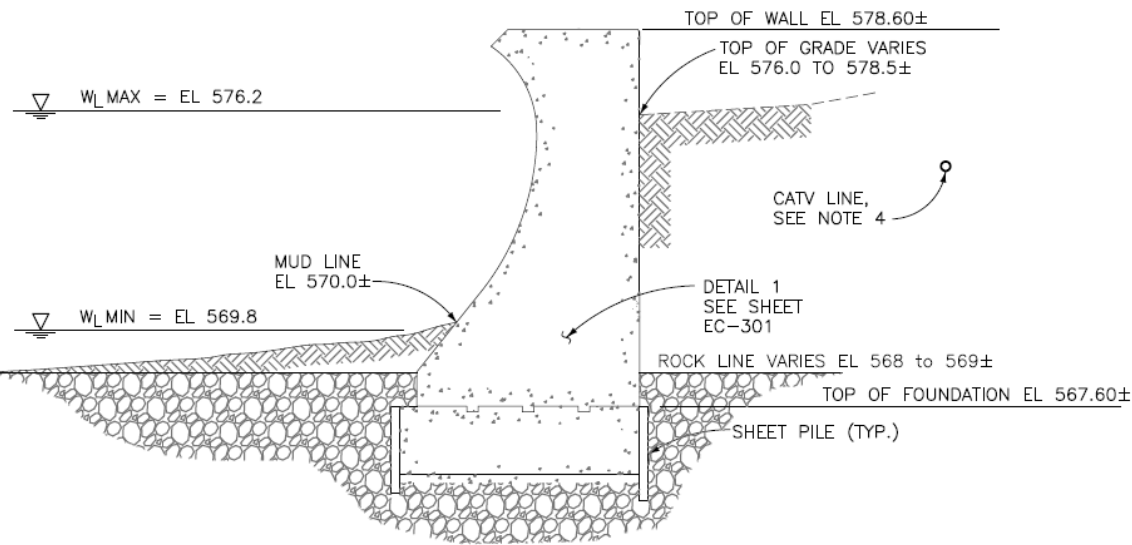




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Existing

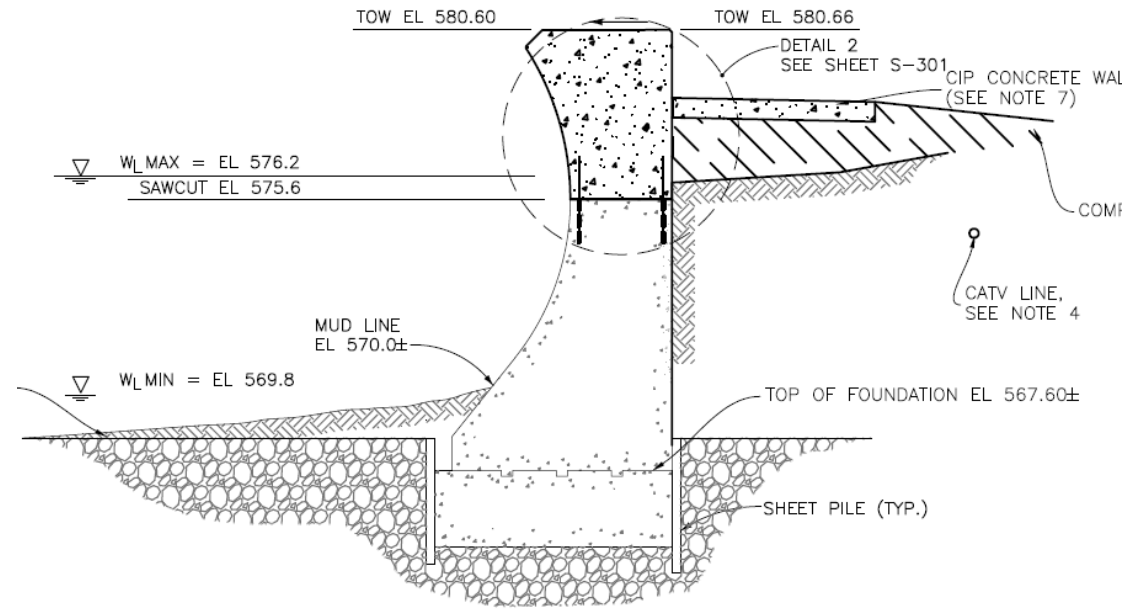


EXISTING NORTH SEAWALL - EAST
 STA 15+09.31 TO STA 18+38.28 (SECTION SHOWN AT STA 15+75)

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

SCALE OF FEET

Proposed



NORTH SEAWALL - EAST
 STA 15+09.31 TO STA 18+38.28 (SECTION SHOWN AT STA 15+75)

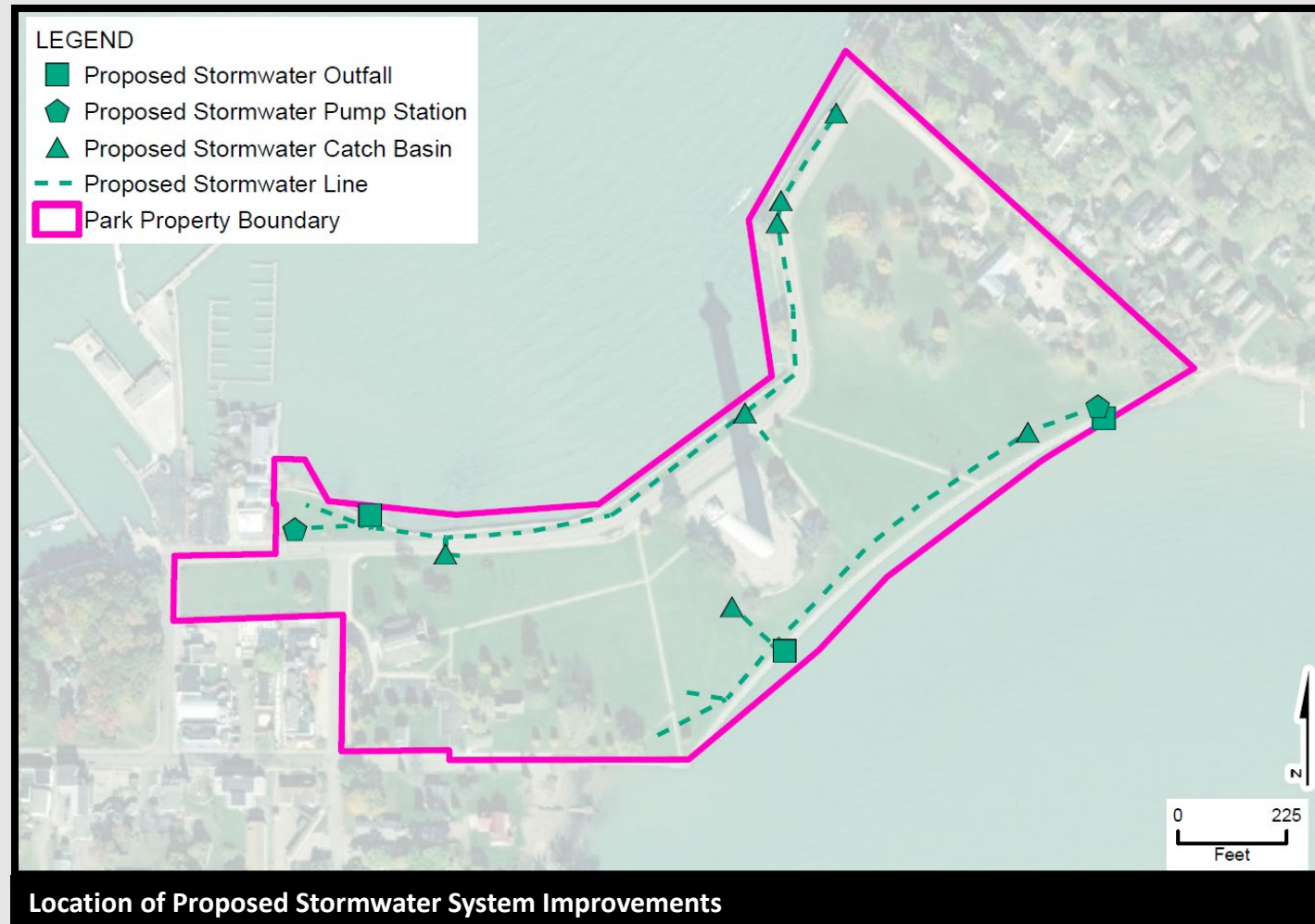
SCALE: 3/8" = 1'-0"

SCALE OF FEET



Proposed Project – Improve Stormwater Management

- Upgrade capacity to minimize flooding and backwater from the lake.
- New outlets, pump stations, catch basins, stormwater lines.
- Lake water that overtops the wall and stormwater would be conveyed to the lake through gravity outlets and two pumping stations.
- A vortex separator would treat water from northern paved areas prior to discharge.
- Flap gates would be added to outlets.





Proposed Project – Enhance Visitor Experience

- New North Seawall sidewalk.
- Interpretive plaza would illustrate view of the decks of the U.S. Brig Niagara and the HMS Detroit from the Battle of Lake Erie.
- Embedded step lighting.
- Seating areas with benches.

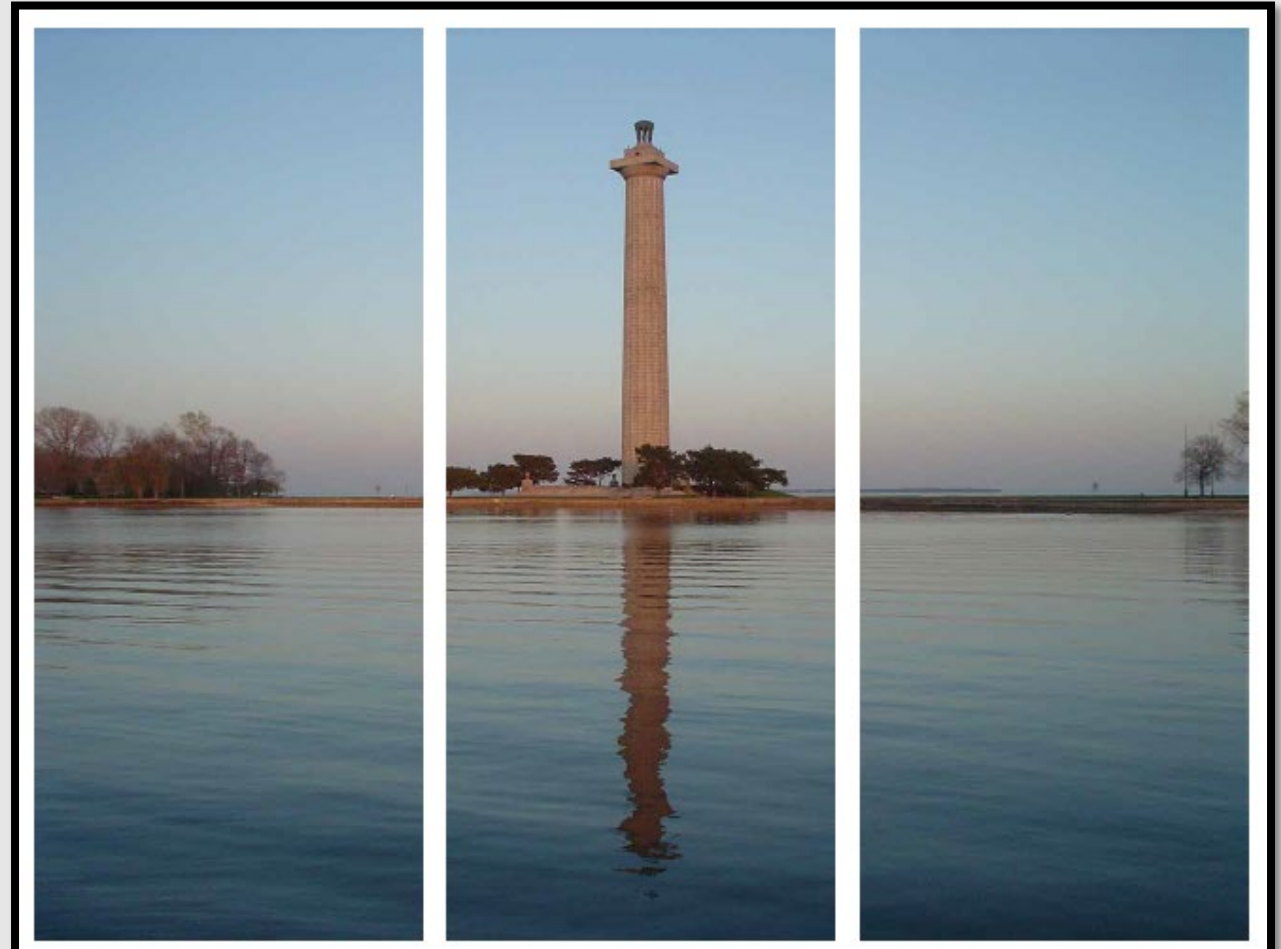


Rendering of the Interpretive Plaza Along the North Seawall



Proposed Project – Protect Cultural Resources

- Six key viewsheds contribute to the cultural landscape.
- Seawall elevations and location of aboveground elements designed to avoid viewshed obstructions.
- Project elements designed for consistency with existing materials and elements.



View of the Perry's Victory International Peace Memorial Monument



No Action

- No construction.
- The current trend of increased flooding, ponding, and seawall deterioration would continue.
- Risk of a North Seawall failure would remain.
- Increased maintenance.
- Decreased use of the Park.



Evaluation of Alternatives and Alternative Components

- Alternatives must meet the purpose of and need for the Proposed Action.
- Alternatives should meet objectives as much as possible.
 - Feasibility of construction.
 - Preservation of the historic integrity of the site and consistency with cultural resource treatment recommendations.
 - Avoidance and minimization of impacts to lands and waters.
 - Resiliency in design to minimize overtopping during future storm events.
- Alternatives selection considers costs and benefits.

Reasons Alternatives Would Not Be Included in the Proposed Action

- Does not meet project's purpose and need.
- Not on NPS property.
- Significant impacts that could be avoided by other alternatives.

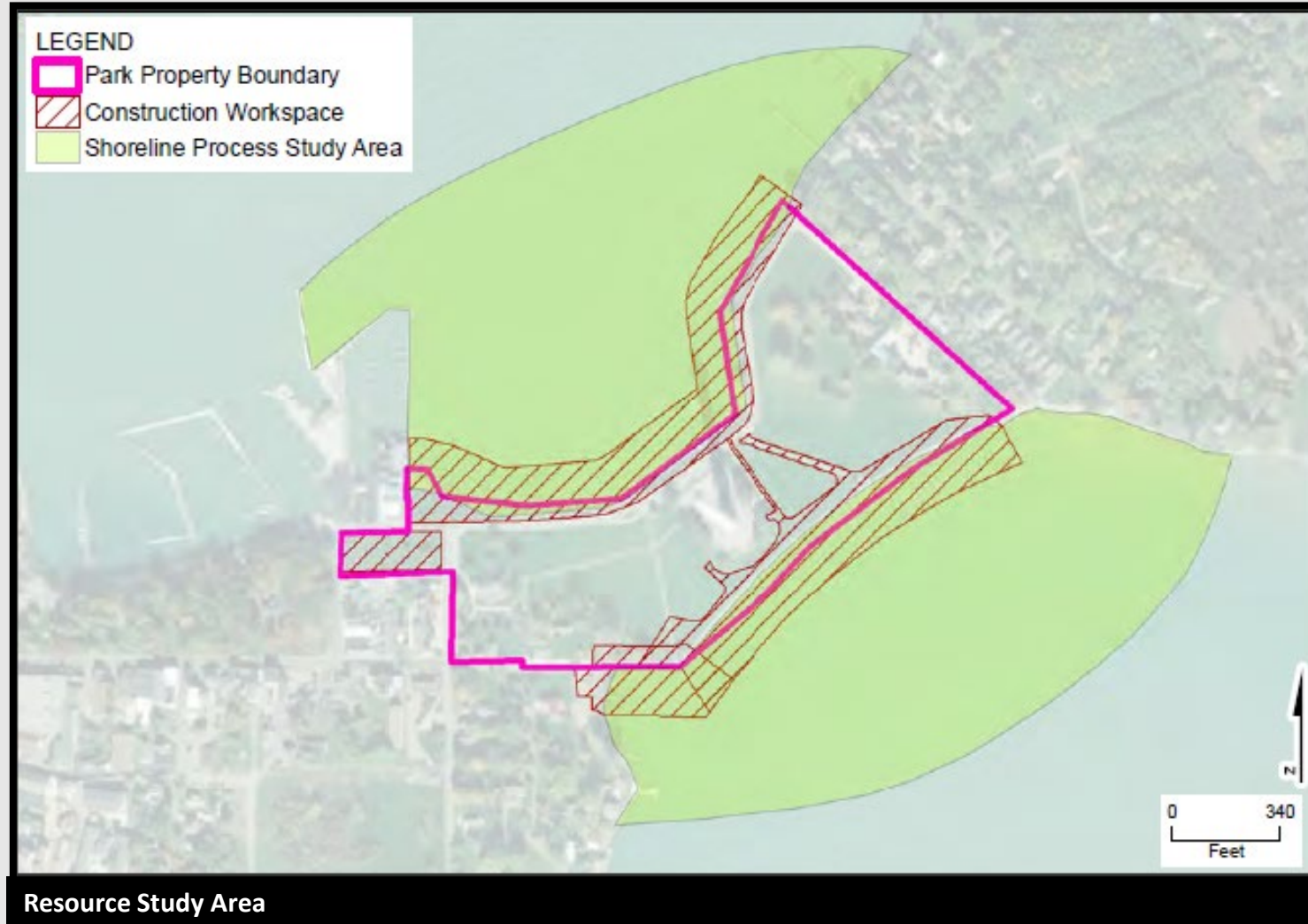


Components Considered and Not Included in the Proposed Action

Alternative/Component	Reason Not Included In the Proposed Action
<i>Seawall Alternatives</i>	<ul style="list-style-type: none">• Greater resource impacts.
<i>Stormwater Management Alternatives</i>	<ul style="list-style-type: none">• Greater resource impacts.
<i>Public Beach Mitigation Alternative (as a Component)</i>	<ul style="list-style-type: none">• Wave modeling predicts the Proposed Action would not cause increased debris deposition or erosion at the beach.• Design options must address the purpose and need of the project.• NPS's jurisdiction is limited to the Park's legal boundary.



Affected Environment and Impact Assessment





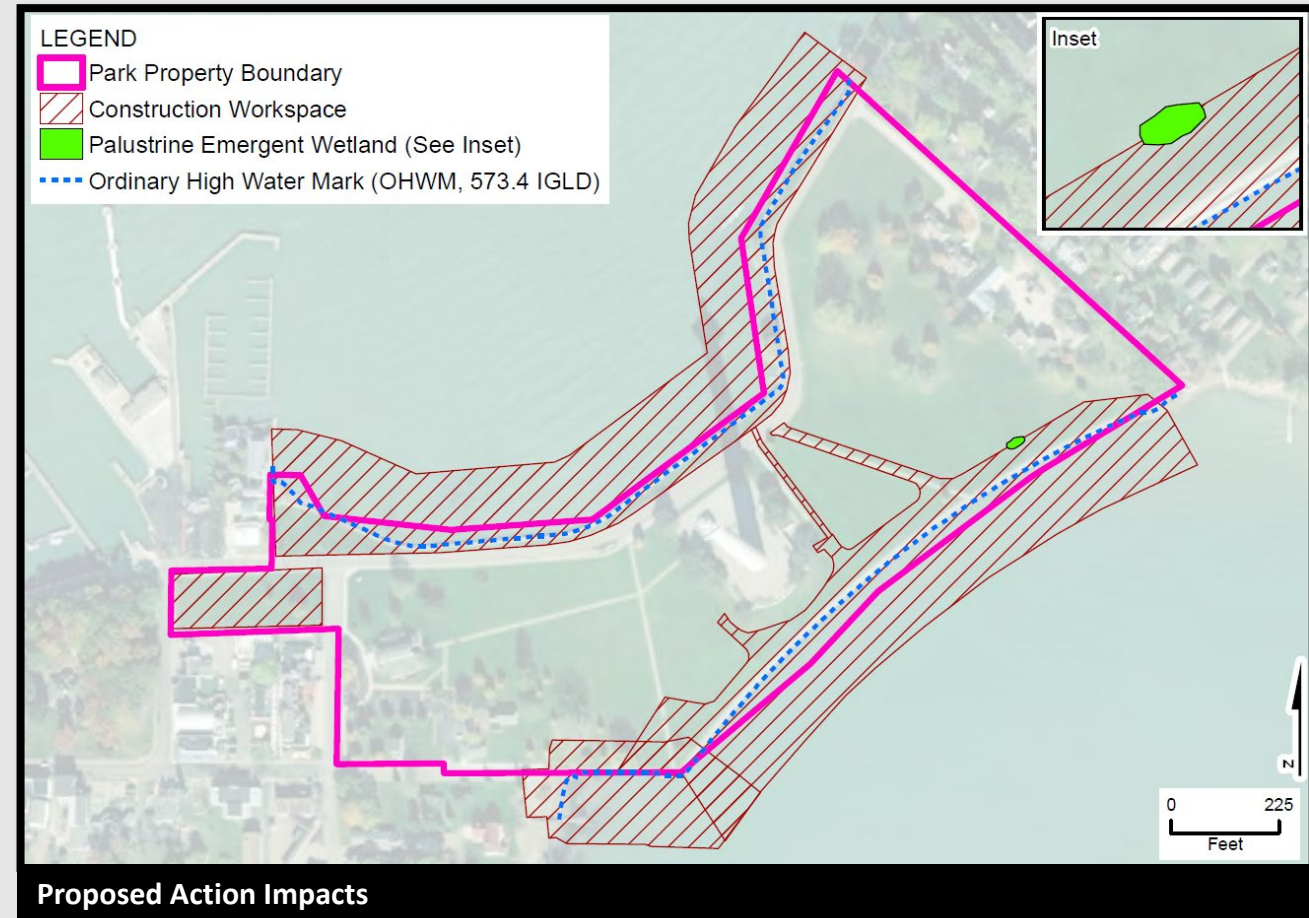
Impact Assessment

Resource	Short-Term Impacts	Long-Term Impacts
<i>Water Resources and Floodplains</i>		
<i>Shoreline Processes</i>		
<i>Cultural Resources</i>		
<i>Human Health, Safety, and Use</i>		



Impact Assessment – Water Resources and Floodplains

- Temporary increase in turbidity and sediment suspension near shoreline during construction.
- 10.4-acre temporary construction workspace.
- 0.03-acre permanent impact to Lake Erie and one wetland.
- Reduction in degree, frequency, and extent of stormwater, flooding, and wave overtopping in the Park.
- No flooding or ponding for 10-year storm event.
- No wave overtopping for storms less than the 25-year storm event.
- Improved water quality in nearshore areas.





Impact Assessment – Shoreline Processes

- Seawall construction is expected to result in minor and temporary effects to water patterns and sediment suspension.
- Effects to be minimized by construction practices.
- Over the long term, structural integrity of seawalls would be restored and shoreline would be stabilized.
- Over the long term, minor increase in height of waves rebounding from the seawalls.
- Over the long term, South Seawall—West extension of the Proposed Action would prevent waves from propagating onto the Park and decrease flooding and debris buildup.



Impact Assessment – Cultural Resources

- No significant archeological resources and seawalls not historically significant.
- The PEVI Monument is on the National Register of Historic Places.
- Cultural landscape recognized for historical integrity.
- Minor changes to circulation and setting during construction: no or negligible impacts to landscape.
- Over the long term, no effect to the site, Memorial, men's dormitory, landscaping, topography, and viewsheds.

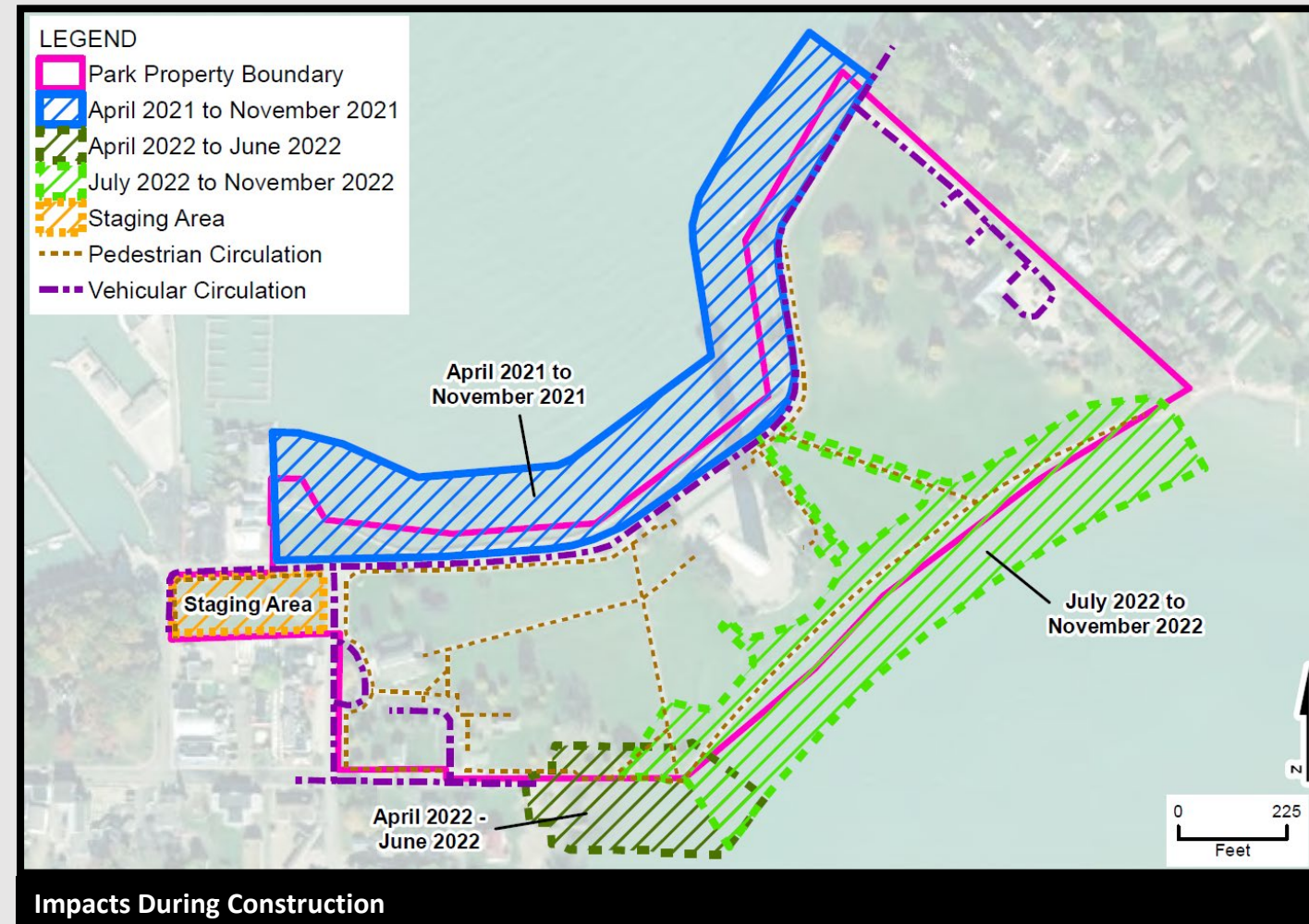


Visual Assessment of the Raised Seawall



Impact Assessment – Human Health, Safety and Use

- Access to the Memorial and Visitor Center will remain open.
- Temporary impacts to viewsheds from construction equipment.
- South Seawall —West Extension would limit access to public beach (Approx. April to June 2022).
- Temporary lane closures of SH 357 and temporary utility outages would occur and be minimized.
 - Single Lane Road Closure: 6-hour max.
 - Full Road Closure: 2-hour max.
 - Electric/Phone/Cable: 2-hour max.
 - Water: 4-hour max.
- Long-term beneficial effects from improved safety and visitor access.





Impact Assessment Summary

Resource	Short-Term Impacts	Long-Term Impacts
<i>Water Resources and Floodplains</i>	Minor	Beneficial
<i>Shoreline Processes</i>	Negligible to Minor	Beneficial
<i>Cultural Resources</i>	No Impact	Beneficial
<i>Human Health, Safety, and Use</i>	Minor	Beneficial



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Share Your Comments by December 31, 2020!

NPS invites you to share your comments on the proposed project, and potential effects on historic properties. You can share comments in several ways.

- Written or verbal comments during this meeting.
- On the NPS website: parkplanning.nps.gov/pevi
- Via email: PEVI_Superintendent@nps.gov
- Written comments to:

Perry's Victory & International Peace Memorial
93 Delaware Avenue, P.O. Box 549
Put-In-Bay, Ohio 43456

Thank you for your participation in this process!

