

SECTION 106 CONSULTING PARTY MEETING

CAPE MAY SEAWALL COASTAL STORM RISK MANAGEMENT CAP SECTION 103 FEASIBILITY STUDY

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

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May 26, 2021



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AGENDA

- Section 106 Consulting Parties
- Project overview
- Initial No Adverse Effect Determination
- Existing Views and Renderings
- NJSHPO Comments
- Visual APE Investigation/assessment of impacts
- Current plan to negotiate a Programmatic Agreement to guide the necessary investigations, impacts assessment and effects determination
- Comments/Questions/Perspective



CONSULTING PARTIES

- New Jersey State Historic Preservation Officer
- National Park Service Landmark Division
- Tribal Historic Preservation Officers
- The City of Cape May
- Cape May Historic Preservation Commission
- Greater Cape May Historical Society
- Cape May Museum
- Cape May MAC
- Advisory Council on Historic Preservation



EXISTING CONDITIONS



PROBLEMS AND OPPORTUNITIES

Problem Statement

The people, infrastructure, and property of the City of Cape May have experienced significant flooding damages due to the ocean overtopping the existing seawall at the corner of Beach and Wilmington Avenues during coastal storm events.

Opportunities

Manage the risk of coastal storm flooding to residents, infrastructure, and property within Cape May, New Jersey, through the implementation of resilient and sustainable coastal storm risk management solutions.



PLAN FORMULATION (TIER 1 SCREENING)

Sand Dune

- Federal beach project has demonstrated that this is ineffective
– **Screened Out**

Move Infrastructure

- Abandon section of Beach Avenue, buy out properties, relocate seawall, modify beach project. Costs and complexity beyond the CAP (+\$30M) – **Screened Out**

Elevate barrier at corner of Beach and Wilmington Avenues

- **Carry forward**

Elevate structures

- Modeled elevation scenarios for a range of annual chance exceedence event floodplains and all BCRs < 0.5.
– **Screened Out**



PLAN FORMULATION (TIER 2 SCREENING)

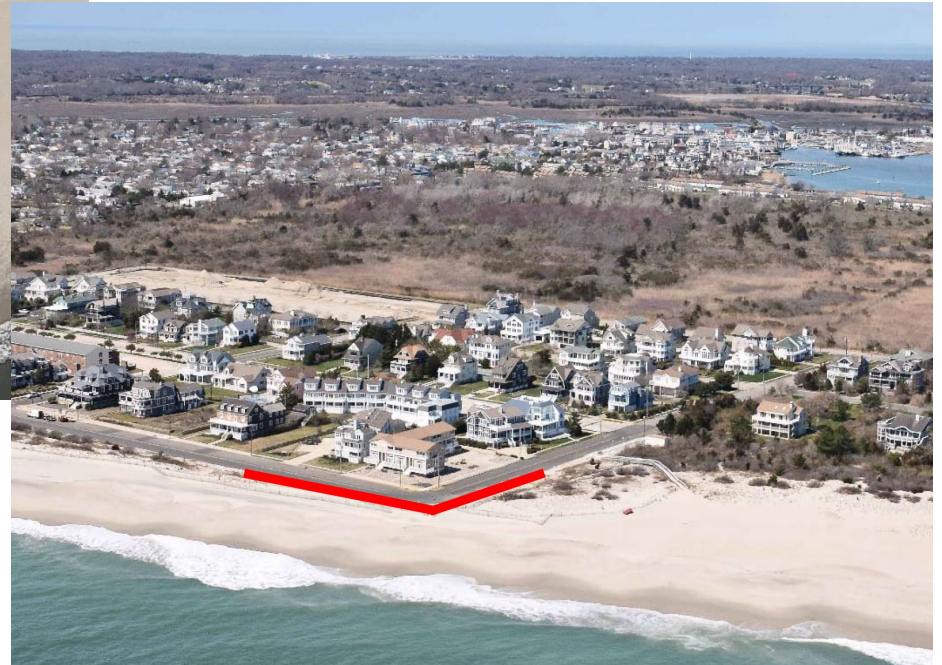
- Three conceptual elevated barriers, 400 feet long, with top elevation of +13 Feet NAVD 88 (would have prevented overtopping by Sandy)
- Steel sheet pile wall (along Beach Ave, stone backfill) –
Screened Out
- Concrete cap on existing seawall, 8 feet wide - Carry Forward
- Demolish and rebuild seawall – **Screened Out**



TENTATIVELY SELECTED PLAN



Elevated barrier would be approximately 350 feet long with 90-foot tapers on the ends



TENTATIVELY SELECTED PLAN COMPONENTS

- Concrete cap (rectangular slab) extending approximately 350 linear feet around the corner of Beach and Wilmington Avenues
- 90-foot tapers on each side
- Top elevation at +17 FT NAVD88
- 8 feet wide

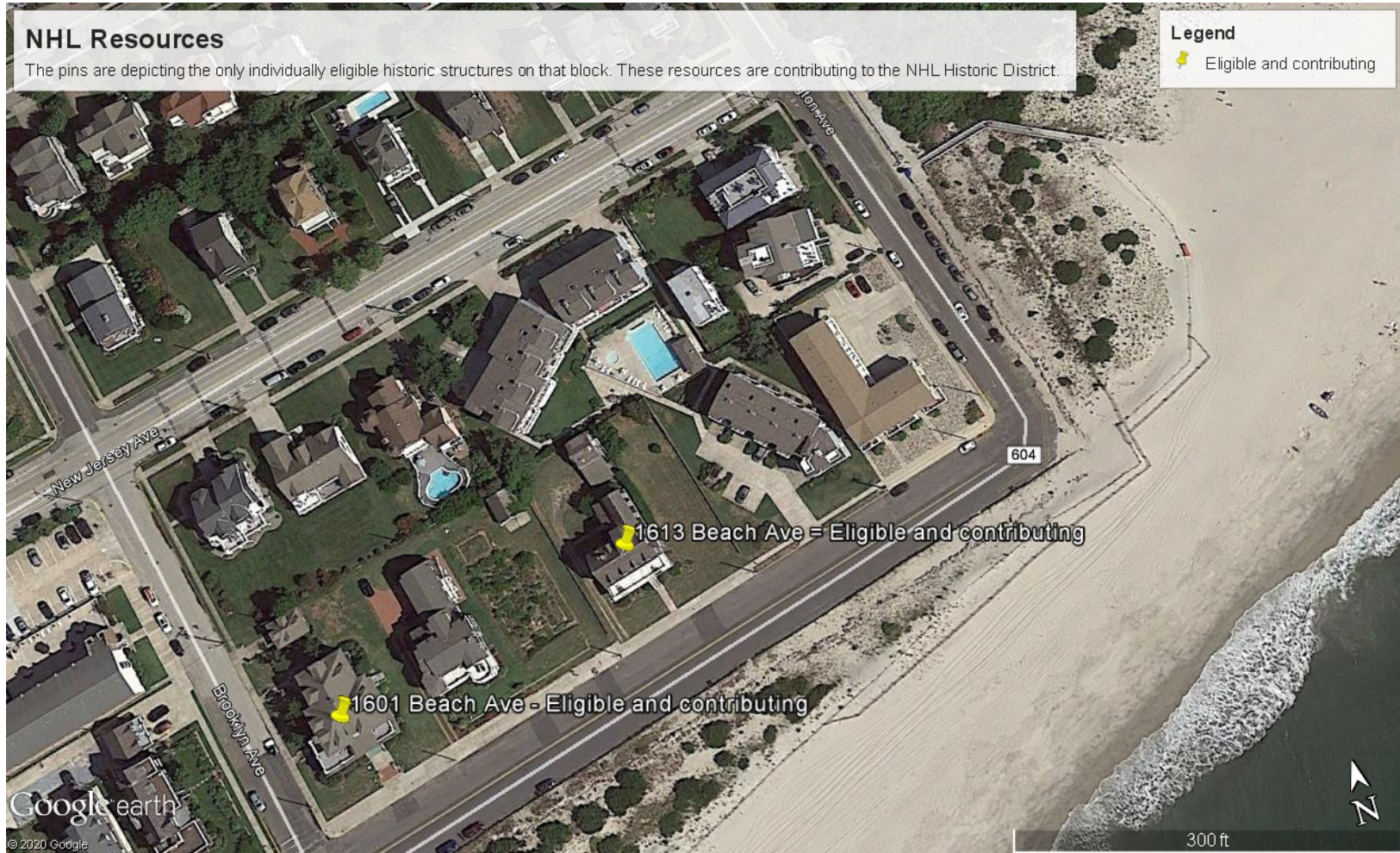


CITY OF CAPE MAY

- Listed on the National Register of Historic Places in 1970
- Designated as a National Historic Landmark by the National Park Service in 1976
- Listed on the New Jersey Register of Historic Places
- Seaside Resort with Late Victorian Architecture
- Two contributing, and individually eligible structures in the TSP study area



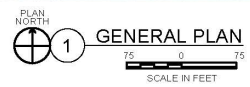
CONTRIBUTING/ELIGIBLE HISTORIC STRUCTURES



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CONSTRUCTION FOOTPRINT



- NOTES:**
1. SURVEY & CONSTRUCTION BASELINE AND SURVEY PROFILE LINES NOT SHOWN FOR CLARITY
 2. SEAWARD TOE OF SAND FILL TEMPLATE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. LOCATION WILL VARY DUE TO THE DYNAMIC CONDITIONS OF THE SITE.
 3. AERIAL SHOWN IS THE RESULT OF SATELLITE IMAGERY FROM JUNE 20, 2019 AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF CONDITIONS AT THAT TIME (SOURCE: DIGITAL GLOBE NEXTVIEW LICENSE).
 4. ALL CONSTRUCTION ACCESS AND STAGING AREAS SHALL BE RESTORED TO ORIGINAL CONDITIONS AT THE END OF CONSTRUCTION. ADDITIONAL CONSTRUCTION ACCESS AREA LOCATED AT THE VEHICLE CROSSOVER BETWEEN MADISON AVE. AND PHILADELPHIA AVE.
 5. SEE C401 FOR TYPICAL SECTION.



ISSUE/SUBMITTAL DATE	DES BY	REVIEWED BY
MAY 2020	SW	SW

U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	
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CAPE MAY COUNTY CAPE MAY, NJ	CAPE MAY SEAWALL CAP FEASIBILITY STUDY GENERAL PLAN

SHEET NUMBER
G-001

INITIAL NO ADVERSE EFFECT DETERMINATION

Existing View from street level at 1613 Beach Avenue towards the shore



Conceptual view from street level at 1613 Beach Avenue towards the shore



INITIAL NO ADVERSE EFFECT DETERMINATION

Existing View from street level 1613 Beach Avenue toward corner of Wilmington and Beach Avenue



Conceptual view from street level 1613 Beach Avenue toward corner of Wilmington and Beach Avenue



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INITIAL NO ADVERSE EFFECT DETERMINATION

Existing view from 1601 Beach Avenue toward corner of Wilmington and Beach Avenues



Conceptual view from 1601 Beach Avenue toward corner of Wilmington and Beach Avenues



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STONE-LIKE ALTERNATIVE



SAND-LIKE ALTERNATIVE



NJSHPO COMMENTS

- List of Consulting Parties
- Figure and verbal description of visual APE
- Visual Effects Assessment
- Alternatives including other construction materials
- New Jersey Register of Historic Places Act with state, county, or municipality sponsor



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PATH FORWARD

- Preparation, negotiation and execution of a Programmatic Agreement in consultation with the NJSHPO, the Tribes and the Consulting Parties
- Task order for Visual APE definition and Visual Impacts Assessment and Effects determination
- Continued coordination and evaluation of design



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COMMENTS OR QUESTIONS



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