



**Connecticut Department of
Energy & Environmental Protection**
Bureau of Water Protection & Land Reuse
Office of Long Island Sound Programs

Coastal Management Consistency Review Form for Federal Activities

Use of this form, although not mandatory, will facilitate coastal consistency review analysis by the Federal agency and result in submission of sufficient information for comprehensive review by the Department of Energy and Environmental Protection (DEEP) Office of Long Island Sound Programs (OLISP). It is anticipated that submittal of a completed form with indicated supplemental materials will, in most instances, eliminate the need for further information. The form should be used in conjunction with the *Reference Guide to Coastal Policies and Definitions* (DEEP-OLISP-GUID-200). The *Instructions and Guidance for Completing the Federal Coastal Consistency Review Form for Federal Activities* (DEEP-OLISP-INST-300) explains how to complete this form and provides several critical definitions and pertinent guidance. Once completed, please submit this form with the appropriate supporting documentation to: CT DEEP-OLISP, 79 Elm Street, Hartford, CT 06106-5127. For further information or assistance in completing this form, please contact us at the address above or by phone at 860-424-3034.

Part I: Federal Agency and Contact Identification

Agency Name: U.S. Army Corps of Engineers			
Mailing Address: 696 Virginia Rd			
City/Town: Concord	State: MA	Zip Code: 01742	
Business Phone: 978-318-8717	ext.	Fax:	
Agency Contact: Grace Moses	Title: Project Biologist		
E-Mail: c.grace.moses@usace.army.mil			
Identification of Primary Contact for correspondence if other than Agency Contact noted above:			
Company Name:			
Mailing Address:			
City/Town:	State:	Zip Code:	
Business Phone:	ext.	Fax:	
Contact Person:	Title:		
E-Mail:			

Part II: Review Type and Project Title

Type of Review (check one):
<input checked="" type="checkbox"/> Federal Development Project <input type="checkbox"/> Negative Determination
<input type="checkbox"/> Other Federal agency activity (specify general type):
Project Title or Other Identification:
Fairfield and New Haven Counties Coastal Storm Risk Management Feasibility Study

Part III: Other DEEP Involvement with the Project

Is any component of this activity directly regulated by DEEP separate from the Federal Coastal Consistency Process (e.g., 401 Water Quality Certification)? Yes No

If yes, list below all DEEP permits, certifications, or other authorizations being pursued for this activity, and describe the regulated activity/ies:

Check if additional sheets are attached to this page

Has any other unit of the DEEP been contacted regarding this activity? Yes No

If yes, please identify other Departmental contacts:

Natural Diversity Database
Bureau of Water Protection and Land Reuse - Land and Water Resources Division
Bureau of Natural Resources - Fisheries Division

Check if additional sheets are attached to this page

Part IV: Detailed Project Information

1. Description of Proposed Activity

Describe the proposed federal activity including its purpose and all related actions. For site-specific activities, such actions might include: site clearing, grading, demolition, and other site preparations; percentage of increase or decrease in impervious cover from existing conditions resulting from the activity; phasing, timing, and method of proposed construction; and new uses and changes from existing uses. For site-specific activities proposed at waterfront sites, provide detailed information regarding any water-dependent uses proposed. For non-site specific activities, include a complete description of the proposed activity and its purpose.

Study Objective: Reduce damages and Manage Risk from Coastal Storms in the City of New Haven, Connecticut

Congressional Authority: Resolution by the Committee on Transportation and Infrastructure of the U.S. House of Rep. dated 29 April 2010

Non-Federal Sponsor: CT DEEP

Project Location: Long Wharf, New Haven, CT.

The project would augment the existing embankment that runs between Long Wharf Park and Interstate-95 with 5,950 linear feet of cantilever floodwall (top elevation 15' NAVD88) in New Haven, CT. The floodwall will have buried footings and be built from reinforced concrete and metal bars. Five deployable road closure structures will be installed to prevent underpass flooding on Long Wharf Drive (3 closure structures), Canal Dock Road, and Brewery Street. Two pump stations (~500 cfs) will be constructed to handle stormwater behind the structure. These pump stations will pump water to existing stormwater utilities owned and operated by the City of New Haven, thus no new outfalls are required for construction. Potential floodproofing measures will be assessed for 14 buildings in the Long Wharf Maritime Center area. The construction duration and schedule will be refined in the next phase of the project. Please see the attached map for the location of the project.

Check if additional sheets are attached to this page

Part IV: Detailed Project Information (cont.)

2. Is the Project Site-Specific?

- Yes Please continue with Part IV and fill out all subsequent parts of the form.
- No Skip to Part V: Identification of Applicable Enforceable Policies

3. Location Information

a. Project Address, Location, or Affected Area: **I-95 embankment along Long Wharf Park**

City/Town: **New Haven** State: **CT** Zip Code: **06519**

b. Agency's interest in property, if any:

- fee simple
- option
- lessee
- easement
- not applicable
- other (specify):

c. Is the activity proposed at a waterfront site (includes tidal wetlands frontage) or within coastal, tidal or navigable waters? Yes No

If yes, name the affected coastal, tidal or navigable waters:

d. If off-site effects on coastal uses and/or resources are anticipated, identify the address or location(s) of such effects and attach a map (8 1/2" x 11" format) indicating this area:

- Check if additional sheets are attached to this page
- Check here to indicate map is enclosed.

e. If the Federal project is site specific, identify and describe the existing land use on and adjacent to the site of the proposed activity and any anticipated location(s) of off-site effects on coastal resources or uses. Clearly differentiate between the descriptions of on-site and off-site areas. Include any existing structures and significant features at either location.

Land use in the immediate construction footprint is cleared highway embankment and roadways. Staging and access areas for construction will take place in the City-owned Long Wharf Park parking lots.

- Check if additional sheets are attached to this page

f. Indicate the area of the project site: **5,950 linear feet of floodwall** acres or square feet

g. Indicate the area of any anticipated off-site effects: **N/A**

- acres or square feet or other units (specify units):

Part IV: Detailed Project Information (cont.)

4. Project Plans

If the proposed Federal activity is a "Federal Development Project", or other site specific activity, please provide project plans in 8 ½" x 11" format that clearly and accurately depict the following items, and check the appropriate boxes to indicate that the information is included in this review package:

- Project location
- Existing and proposed conditions, including buildings and grading
- Coastal resources on and contiguous to the site
- High Tide Line [as defined in CGS § 22a-359(c)], Mean High Water, and Mean Low Water elevations and contours (for parcels abutting coastal waters and/or tidal wetlands only)
- Soil erosion and sediment controls
- Stormwater management measures
- Ownership and type of use on adjacent properties
- Reference datum (i.e., National Geodetic Vertical Datum, Mean Sea Level, etc.)

If a Spill Prevention, Control, and Containment Plan (SPCC) has been developed for this site, please provide a copy in the review package and check here to indicate its inclusion

Part V: Identification of the Applicable Enforceable Policies

In this Part, there are four tables which should be completed by checking the appropriate boxes in each. Table 1: *Coastal Resources and Associated Enforceable Policies*, is to identify on-site, adjacent, and/or potentially affected State-statutorily defined coastal resources. Table 2: *Coastal Uses and Associated Enforceable Policies*, is to identify existing and proposed State-statutorily defined coastal uses potentially affected by the project. Table 3a: *Potential Adverse Impacts on Coastal Resources* and Table 3b: *Potential Adverse Impacts on Water-dependent Uses and Opportunities* is to identify State-statutorily-defined adverse impacts.

Table 1

Coastal Resources and Associated Enforceable Policies	On-site	Adjacent	Affected by the proposed Federal activity**
General Coastal Resources* - Definition: CGS § 22a-93(7) Policy: CGS § 22a-92(a)(2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Beaches & Dunes - Definition: CGS § 22a-93(7)(C) Policies: CGS §§ 22a-92(b)(2)(C) and 22a-92(c)(1)(K)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bluffs & Escarpments - Definition: CGS § 22a-93(7)(A) Policy: CGS § 22a-92(b)(2)(A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Hazard Area - Definition: CGS § 22a-93(7)(H); Policies: CGS §§ 22a-92(a)(2), 22a-92(a)(5), 22a-92(b)(2)(F), 22a-92(b)(2)(J), 22a-92(c)(1)(K), and 22a-92(c)(2)(B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coastal Waters, Estuarine Embayments, Nearshore Waters, Offshore Waters - Definitions: CGS §§ 22a-93(5), 22a-93(7)(G), 22a-93(7)(K), and 22a-93(7)(L); Policies: CGS §§ 22a-92(a)(2) and 22a-92(c)(2)(A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Developed Shorefront - Definition: CGS § 22a-93(7)(I); Policy: CGS § 22a-92(b)(2)(G)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Freshwater Wetlands and Watercourses - Definition: CGS § 22a-93(7)(F) Policy: CGS § 22a-92(a)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intertidal Flats - Definition: CGS § 22a-93(7)(D) Policies: CGS § 22a-92(b)(2)(D) and 22a-92(c)(1)(K)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Islands - Definition: CGS § 22a-93(7)(J) Policy: CGS § 22a-92(b)(2)(H)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rocky Shorefront - Definition: CGS § 22a-93(7)(B) Policy: CGS § 22a-92(b)(2)(B)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shellfish Concentration Areas - Definition: CGS § 22a-93(7)(N) Policy: CGS § 22a-92(c)(1)(I)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shorelands - Definition: CGS § 22a-93(7)(M) Policy: CGS § 22a-92(b)(2)(I)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tidal Wetlands - Definition: CGS § 22a-93(7)(E) Policies: CGS §§ 22a-92(a)(2), 22a-92(b)(2)(E), and 22a-92(c)(1)(B)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* The General Coastal Resource Policy is applicable to all proposed activities within Connecticut's coastal boundary and coastal area.

** The coastal resources affected by the project can be on-site, adjacent, or further removed from the project site.

Table 2

Coastal Uses and Associated Enforceable Policies	
<input checked="" type="checkbox"/>	General Development* - CGS §§ 22a-92(a)(1), 22a-92(a)(4), and 22a-92(a)(9)
<input type="checkbox"/>	Boating - CGS § 22a-92(b)(1)(G), 22a-92(b)(1)(H), and 22a-92(b)(1)(I)
<input type="checkbox"/>	Coastal Recreation and Access - CGS §§ 22a-92(a)(2), 22a-92(a)(6), 22a-92(c)(1)(J), and 22a-92(c)(1)(K)
<input type="checkbox"/>	Coastal Structures and Filling - CGS § 22a-92(a)(2), 22a-92(b)(1)(D), 22a-92(c)(1)(B), 22a-92(c)(1)(K), and 22a-92(c)(2)(B)
<input type="checkbox"/>	Cultural Resources – CGS § 22a-92(b)(1)(J)
<input type="checkbox"/>	Dams, Dikes and Reservoirs - CGS § 22a-92(a)(2)
<input type="checkbox"/>	Dredging and Navigation - CGS §§ 22a-92(a)(2), 22a-92(c)(1)(C), 22a-92(c)(1)(D), and 22a-92(c)(1)(E)
<input type="checkbox"/>	Energy Facilities - CGS §§ 16-50g and 16-50p(a)
<input type="checkbox"/>	Fisheries - CGS § 22a-92(c)(1)(I)
<input type="checkbox"/>	Flooding and Erosion - CGS § 22a-92(a)(5)
<input type="checkbox"/>	Fuel, Chemicals and Hazardous Materials - CGS §§ 22a-92(a)(2), 22a-92(b)(1)(C), 22a-92(b)(1)(E) and 22a-92(c)(1)(A)
<input type="checkbox"/>	Facilities and Resources which are in the National Interest - Definition CGS § 22a-93(14) - Policy CGS 22a-92(a)(10)
<input type="checkbox"/>	Intergovernmental Coordination - CGS § 22a-92(a)(9)
<input type="checkbox"/>	Open Space and Agricultural Lands - CGS § 22a-92(a)(2)
<input type="checkbox"/>	Ports and Harbors – CGS § 22a-92(b)(1)(C)
<input type="checkbox"/>	Sewer and Water Lines - CGS § 22a-92(b)(1)(B)
<input type="checkbox"/>	Solid Waste - CGS § 22a-92(a)(2)
<input checked="" type="checkbox"/>	Transportation - CGS §§ 22a-92(b)(1)(F), 22a-92(c)(1)(F), 22a-92(c)(1)(G), and 22a-92(c)(1)(H)
<input type="checkbox"/>	Water-dependent Uses** - Definition CGS § 22a-93(16) - Policies CGS §§ 22a-92(a)(3) and 22a-92(b)(1)(A)

* The General Development Policy is applicable to all proposed activities within Connecticut's coastal boundary and coastal area.

** The Water-Dependent Uses Policies are applicable to all activities proposed at waterfront sites, including those sites with only tidal wetlands frontage.

Identification of State Statutorily Defined Potential Adverse Impacts

In Tables 3a and 3b, identify the adverse impact categories that apply to the proposed Federal activity. The “Applicable” column **must be checked** if the proposed activity has the **potential** to generate any of the State-statutorily defined adverse impacts, even if the activity is designed to avoid such impacts. Also indicate, by checking the appropriate boxes, whether the potential adverse impacts have been avoided or minimized and whether any resource compensation is proposed.

Table 3a

Potential Adverse Impacts on Coastal Resources	Applicable	Impacts Are Avoided	Impacts Are Minimized	Compensation Is Proposed	Not Applicable
Characteristics and Functions of Resources - CGS § 22a-93(15)(H)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coastal Flooding - CGS § 22a-93(15)(E)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Waters Circulation Patterns - CGS § 22a-93(15)(B)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Drainage Patterns - CGS § 22a-93(15)(D)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Patterns of Shoreline Erosion and Accretion - CGS § 22a-93(15)(C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Visual Quality - CGS § 22a-93(15)(F)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water Quality - CGS § 22a-93(15)(A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wildlife, Finfish, Shellfish Habitat - CGS § 22a-93(15)(G)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Table 3b

Potential Adverse Impacts on Water-dependent Uses and Opportunities	Applicable	Impacts Are Avoided	Impacts Are Minimized	Compensation Is Proposed	Not Applicable
Locating a non-water-dependent use at a site physically suited for, or planned for location of, a water-dependent use - CGS § 22a-93(17)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Replacing an existing water-dependent use with a non-water-dependent use - CGS § 22a-93(17)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Siting a non-water-dependent use which would substantially reduce or inhibit existing public access to marine or tidal waters - CGS § 22a-93(17)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Part VI: Consistency Analysis

Explain how the proposed activity is consistent with all of the applicable enforceable policies identified in Part V, why any remaining adverse impacts resulting from the proposed activity or use have not been mitigated, and why the project as proposed is consistent with the enforceable policies of Connecticut's Coastal Management Program. If an adverse impact **may** result from the proposed Federal activity, describe what project design features may be used to eliminate, minimize, or mitigate the potential for adverse impacts. For proposed Federal Development Projects, please describe the stormwater best management practices that will be utilized. Such systems should be designed to meet the guidance provided in the accompanying instructions.

No in-water construction activities are proposed for this project, all work will be conducted above the mean high water line. The proposed action will be built in a Coastal Hazard Area (Flood Zone AE, BFE 11) and will provide coastal storm and flood protection for areas in Long Wharf that are located in VE and AE flood zones including a portion of Interstate-95. The project will not disrupt or prevent water-dependent uses or public access to the waterfront except when the deployable road closure structures are in place during operation as well as maintenance events. The visual quality of the coastline will be affected temporarily by the construction of the floodwall. Long term, views of the harbor from a 5,950 linear foot section of Interstate-95 will be blocked. Conversely, views and sounds of the interstate will be blocked from Long Wharf and Bayview Parks thereby enhancing visual quality. With the floodwall in place, pump stations will be required to pump storm water from behind the line of protection to New Haven Harbor. Two buried pump stations sized to handle about 500 cfs will be constructed and will hook up to existing stormwater utilities requiring no new outfalls or pipes.

Check if additional sheets are attached to this page

Part VII: Level of Consistency and Identification of Legal Authority that Prohibits Full Consistency, if Applicable

Federal regulations allow Federal activities to be less than fully consistent with a State's enforceable policies **only** if "full consistency is prohibited by existing law applicable to the Federal Agency" [15 CFR 930.32]. Please check the appropriate box below to indicate the activities degree of consistency.

Project is *fully* consistent with Connecticut's enforceable policies

Project is *not fully* consistent with Connecticut's enforceable policies, but is consistent to the maximum extent practicable

If the proposed Federal Activity described in this form is not *fully* consistent with Connecticut's enforceable policies, but only consistent to the maximum extent practicable, in accordance with 15 CFR 930.32, please identify and describe the statutory provisions, legislative history, or other legal authority which limits the federal agency's discretion to comply fully with Connecticut's Coastal Management Program. Please attach additional pages if necessary. Attach copies of the relevant statutory provisions, legislative history, or other legal authority cited.

Check if additional sheets are attached to this page

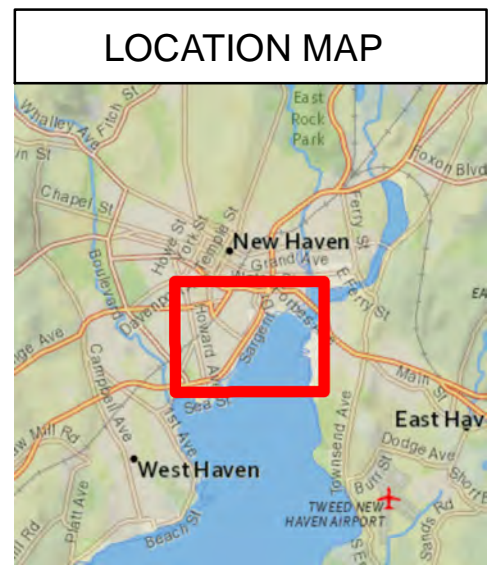
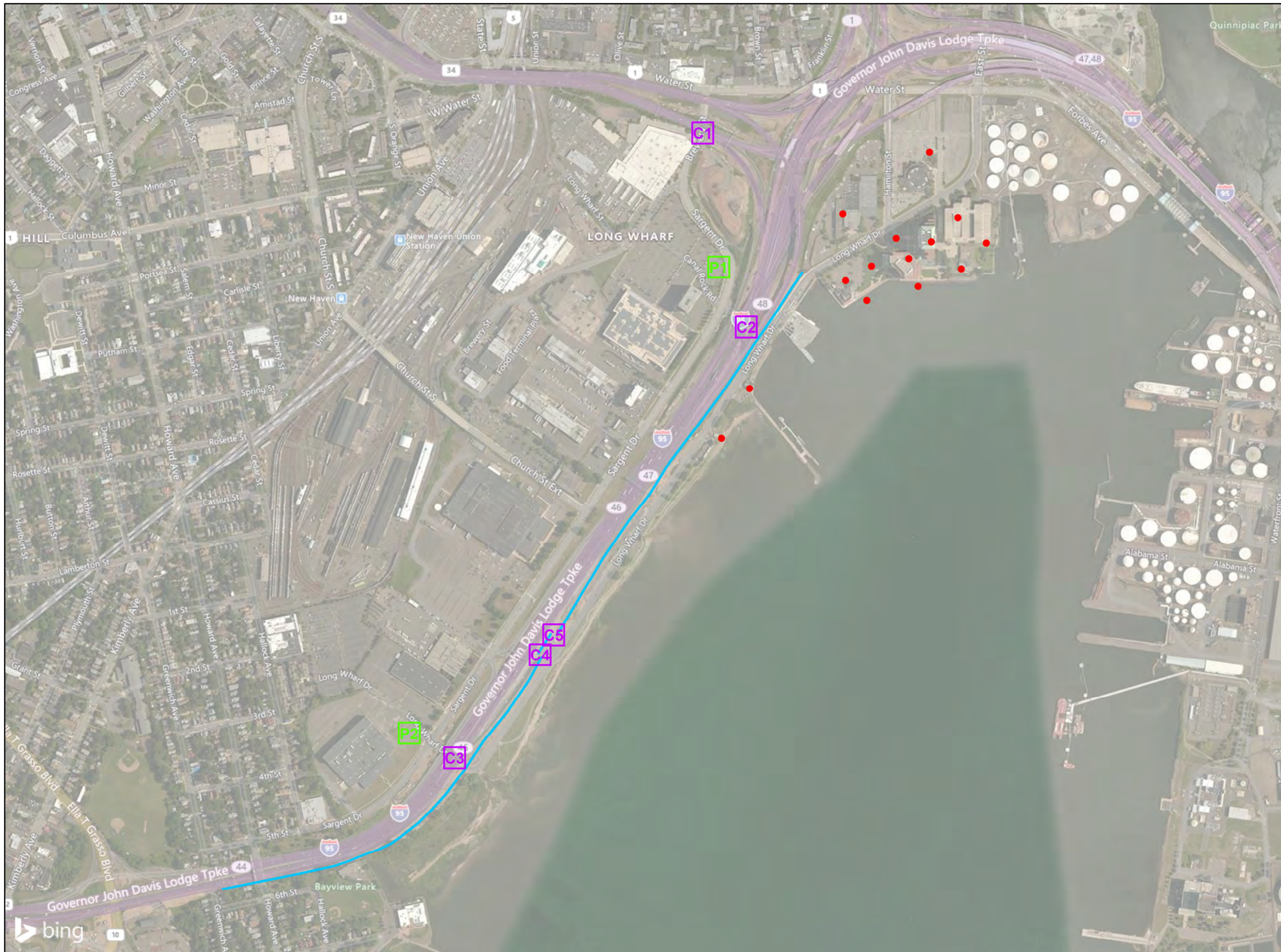
Part VIII: Coastal Zone Management Act Consistency Statement

Note: This Part *must* be completed for all submissions

<p>In this Statement "Federal Agency" means:</p> <p>U.S. Army Corps of Engineers</p> <p>and "the project" means:</p> <p>Fairfield and New Haven Counties Coastal Storm Risk Management Feasibility Study</p> <p>This document provides the State of Connecticut Coastal Management Program with the required Consistency Determination under CZMA Section 307(c)(1) [or (2)] and 15 CFR Part 930, Subpart C, for the project described in this <i>Coastal Management Consistency Review Form for Federal Activities</i>. This determination is provided by the Federal Agency identified above. The information in this Consistency Determination is provided pursuant to 15 CFR Section 930.39. The Federal Agency has determined that the project affects the land or water uses or natural resources of Connecticut as described above. Based on the information, data, and analysis included in the <i>Coastal Management Consistency Review Form for Federal Activities</i> for the project, the Federal Agency has determined that the proposed activity is consistent to the maximum extent practicable with the enforceable policies of the Connecticut Coastal Management Program as evaluated in this form.</p> <p>Pursuant to 15 CFR Section 930.41, the Connecticut Coastal Management Program has 60 days from receipt of this form in which to concur with or object to this Consistency Determination, or to request an extension under 15 CFR Section 930.41(b).</p>
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Part IX: Certifying Signatures

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
<p>_____ Signature of Certifier</p>	<p>_____ Date</p>
<p>_____ Name of Certifier (print or type)</p>	<p>_____ Title (if applicable)</p>
<p>_____ Signature of Preparer</p>	<p>_____ Date</p>
<p><u>Grace Moses</u> _____ Name of Preparer (print or type)</p>	<p><u>Project Biologist</u> _____ Title (if applicable)</p>



- LEGEND**
- Pump Station (2)
 - Closure Structures (475 ft)
 - T-Wall (5950 ft.)
 - Structures Outside Flood Protection (14)

Total Length of protection:
6425 ft

TITLE

Connecticut Coastal
Flood Study
New Haven, CT
Alternative 3B
Enhanced Embankment

