

## **APPENDIX B**

### **Agency Correspondence and Permits**

- B1. State Historic Preservation Office Project Notification Form and Response**
- B2. Letters Sent to Tribal Nations and Response**
- B3. Previous United States Fish & Wildlife Service and National Marine Fisheries Service Correspondence**
- B4. Certificate of Permission Application, Correspondence, and Permits**
- B5. Coastal Zone Management Certification Request**
- B6. Coastal Zone Management Certification Response**



Engineering, Planning,  
Landscape Architecture  
and Environmental Science

## MILONE & MACBROOM®

June 7, 2016

Mr. Daniel T. Forrest  
Deputy State Historic Preservation Officer  
One Constitution Plaza  
Hartford, CT 06103

**RE: Project Notification Form  
Mill River Linear Park  
Stamford, Connecticut  
MMI #4991-02-04/1535-55-02**

Dear Mr. Forrest:

Milone & MacBroom, Inc. (MMI) has been retained by the Mill River Collaborative to complete regulatory permitting for Phase II of the Mill River Linear Park project in Stamford, Connecticut. The project site is located along both banks of the Rippowam (Mill) River between Main Street and Richmond Hill Avenue. The project entails the installation of linear trail and boardwalks, fishing piers, park improvements, riparian restoration, invasive species removal, and construction of floodwalls on the eastern bank. The trail and park improvements are intended to provide public access to the river where there currently is none. The grading and floodwalls are intended to remove parcels on Clinton Avenue from the existing 100-year floodplain.

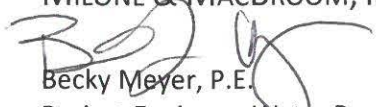
As part of our regulatory permitting, MMI is submitting to you a copy of the state's Project Notification Form and the following supplemental information to be reviewed for the presence of historic, archaeological, or tribal resources in the permit area that the proposed work may affect:

- Project description
- Project overview map
- Mill River Park and Greenway Site Plan (Project site is the "Middle Corridor.")
- Reduced-scale set of Grading Plans developed by Olin Partnership, Ltd.
- Web Soil Survey (NRCS) mapping of project area
- Comparison of 1934 historic aerial to current aerial photography of project area
- National Register of Historic Places mapping indicating no historic resources in the project area
- Reduced-scale print of Borough of Stamford historic mapping from UCONN Magic Library
- Reduced-scale print of 1874 mapping of Town of Stamford from UCONN Magic Library

Thank you for your review of these materials. Please feel free to contact me at (203) 271-1773 or [bmeyer@mminc.com](mailto:bmeyer@mminc.com) if you have any questions or require additional information.

Very truly yours,

MILONE & MACBROOM, INC.

  
Becky Meyer, P.E.  
Project Engineer, Water Resources

Enclosures

4991-02-04-jn616-2-ltr

Milone & MacBroom, Inc., 99 Realty Drive, Cheshire, Connecticut 06410 (203) 271-1773 Fax (203) 272-9733  
[www.miloneandmacbroom.com](http://www.miloneandmacbroom.com)

Connecticut • Maine • Massachusetts • New York • South Carolina • Vermont





*detoro*

State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

JUN 10 2016

PROJECT REVIEW COVER FORM

1. This information relates to a previously submitted project.

☐

You do not need to complete the rest of the form if you have been previously issued a SHPO Project Number. Please attach information to this form and submit.

SHPO Project Number \_\_\_\_\_  
(Not all previously submitted projects will have project numbers)

Project Address Rippowam (Mill) River from Main Street to Richmond Hill Avenue, Stamford  
(Street Address and City or Town)

2. This is a new Project.

☒

If you have checked this box, it is necessary to complete ALL entries on this form.

Project Name Mill River Linear Park

Project Location Rippowam (Mill) River from Main Street to Richmond Hill Avenue  
Include street number, street name, and or Route Number. If no street address exists give closest intersection.

City or Town Stamford  
In addition to the village or hamlet name (if appropriate), the municipality must be included here.

County Fairfield  
If the undertaking includes multiple addresses, please attach a list to this form.

Date of Construction (for existing structures) \_\_\_\_\_

**PROJECT DESCRIPTION SUMMARY (include full description in attachment):**

Phase II of Mill River Linear Trail, consisting of the installation of at-grade linear trail and boardwalks, fishing piers, park improvements, riparian restoration, invasive species removal, and flood walls to remove properties from existing 100-year floodplain.

**TYPE OF REVIEW REQUESTED**

a. Does this undertaking involve funding or permit approval from a State or Federal Agency?

☒ Yes ☐ No

Agency Name/Contact  
CT DEEP / OLISP  
CT DEEP / IWRD

Type of Permit/Approval  
Structures, Dredging and Fill  
Flood Management Certification

State Federal

☒☐☒☐☐☐

Yes

No

b. Have you consulted the SHPO and UCONN Dodd Center files to determine the presence or absence of previously identified cultural resources within or adjacent to the project area?

☐☒

If yes:

Was the project site wholly or partially located within an identified archeologically sensitive area?

☐☐

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the CT State or National Registers of Historic Places?

☐☒

Does the project involve the rehabilitation, renovation, relocation, demolition or addition to any building or structure that is 50 years old or older?

☐☒





## State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

### PROJECT REVIEW COVER FORM

**The Historic Preservation Review Process in Connecticut** Cultural Resource Review under the National Historic Preservation Act – Section 106 <http://www.achp.gov/106summary.html> involves providing technical guidance and professional advice on the potential impact of publicly funded, assisted, licensed or permitted projects on the state's historic, architectural and archaeological resources. This responsibility of the State Historic Preservation Office (SHPO) is discharged in two steps: (1) identification of significant historic, architectural and archaeological resources; and (2) advisory assistance to promote compatibility between new development and preservation of the state's cultural heritage.

Project review is conducted in two stages. First, the SHPO assesses affected properties to determine whether or not they are listed or eligible for listing in the Connecticut State or National Registers of Historic Places. If so, it is deemed "historic" and worthy of protection and the second stage of review is undertaken. The project is reviewed to evaluate its impact on the properties significant materials and character. Where adverse effects are identified, alternatives are explored to avoid, or reduce project impacts; where this is unsuccessful, mitigation measures are developed and formal agreement documents are prepared stipulating these measures. For more information and guidance, please see our website at: <http://www.cultureandtourism.org/cct/cwp/view.asp?a=3933&q=293820>

#### ALL PROJECTS SUBMITTED FOR REVIEW MUST INCLUDE THE FOLLOWING MATERIALS\*:

☒ **PROJECT DESCRIPTION** Please attach a full description of the work that will be undertaken as a result of this project. Portions of environmental statements or project applications may be included. The project boundary of the project should be clearly defined\*\*

☒ **PROJECT MAP** This should include the precise location of the project – preferably a clear color image showing the nearest streets or roadways as well as all portions of the project. Tax maps, Sanborn maps and USGS quadrangle maps are all acceptable, but Bing and Google Earth are also accepted if the information provided is clear and well labeled. The project boundary should be clearly defined on the map and affected legal parcels should be identified.

☐ **PHOTOGRAPHS** Clear, current images of the property should be submitted. Black and white photocopies will not be accepted. Include images of the areas where the proposed work will take place. May require: exterior elevations, detailed photos of elements to be repaired/replaced (windows, doors, porches, etc.) All photos should be clearly labeled.

For Existing Structures	Yes	N/A	Comments
Property Card	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
For New Construction	Yes	N/A	Comments
Project plans or limits of construction (if available)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If project is located in a Historic District include renderings or elevation drawings of the proposed structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soils Maps <a href="http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm">http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Historic Maps <a href="http://magic.lib.uconn.edu/">http://magic.lib.uconn.edu/</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For non-building-related projects (dams, culverts, bridge repair, etc)	Yes	N/S	Comments
Property Card	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soils Map (see above)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Historic Maps (see above)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>SHPO USE ONLY</b>	Above	Date	Below
<b>Indicate date of Review and Initials of Reviewer</b>			

#### PROJECT CONTACT

Name Becky Meyer Title Project Engineer  
 Firm/Agency Milone & MacBroom, Inc.  
 Address 99 Realty Drive  
 City Cheshire State CT Zip 06410  
 Phone 203-271-1773 Cell  Fax 203-272-9733  
 Email bmeyer@mminc.com

\*Note that the SHPO's ability to complete a timely project review depends largely on the quality of the materials submitted.

\*\* Please be sure to include the project name and location on *each page* of your submission.



State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

PROJECT REVIEW COVER FORM

SHPO USE ONLY

Based on our review of the information provided to the State Historic Preservation Office, it is our opinion that:

- ☒ No historic properties will be affected by this project. No further review is requested.
- ☐ This project will cause no adverse effects to the following historic properties. No further review is requested:
- ☐ This project will cause no adverse effects to the following historic properties, conditional upon the stipulations included in the attached letter:
- ☐ Additional information is required to complete our review of this project. Please see the attached letter with our requests and recommendations.
- ☐ This project will adversely affect historic properties as it is currently designed or proposed. Please see the attached letter for further details and guidance.

Catherine Labadia  
Deputy State Historic Preservation Officer

1/26/17

Date

Mill River Linear Park - Stamford





Engineering, Planning,  
Landscape Architecture  
and Environmental Science

**MILONE & MACBROOM®**

June 7, 2016

Mr. James Quinn, THPO  
Mohegan Tribe of Indians of Connecticut  
13 Crow Hill Road  
Uncasville, CT 06382

**RE: Project Notification Form  
Mill River Linear Park  
Stamford, Connecticut  
MMI #4991-02-04/1535-55-02**

Dear Mr. Quinn:

Milone & MacBroom, Inc. (MMI) has been retained by the Mill River Collaborative to complete regulatory permitting for Phase II of the Mill River Linear Park project in Stamford, Connecticut. The project site is located along both banks of the Rippowam (Mill) River between Main Street and Richmond Hill Avenue. The project entails the installation of linear trail and boardwalks, fishing piers, park improvements, riparian restoration, invasive species removal, and construction of floodwalls on the eastern bank. The trail and park improvements are intended to provide public access to the river where there currently is none. The grading and floodwalls are intended to remove parcels on Clinton Avenue from the existing 100-year floodplain.

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Thank you for your review of these materials. Please feel free to contact me at (203) 271-1773 or [bmeyer@mminc.com](mailto:bmeyer@mminc.com) if you have any questions or require additional information.

Very truly yours,

MILONE & MACBROOM, INC.

Becky Meyer, P.E.  
Project Engineer, Water Resources

Enclosures

4991-02-04-jn616-3-ltr

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[www.miloneandmacbroom.com](http://www.miloneandmacbroom.com)

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**From:** [James Quinn](#)  
**To:** [Becky Meyer](#)  
**Cc:** [Autumn Cholewa](#)  
**Subject:** Mill River Linear Park  
**Date:** Monday, June 20, 2016 1:53:03 PM

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Dear Ms. Meyer,

I have reviewed the information you recently sent my office regarding the above referenced project. Thank you for sending it. I have reviewed the information and the Mohegan Tribe does not have any concerns with the project as it is proposed. If project design changes significantly, could you please send along an updated project design? If plans do not change, thank you for the opportunity to review the project.

Best regards,  
James

James Quinn  
The Mohegan Tribe  
Mohegan Tribal Historic Preservation Officer & Archaeology Department Manager  
13 Crow Hill Rd.  
Uncasville, CT  
Office: 860-862-6893  
Cell: 860-367-1573





**MILONE & MACBROOM®**

*Engineering, Planning,  
Landscape Architecture  
and Environmental Science*

June 7, 2016

Ms. Marissa Turnbull, THPO  
Mashantucket Pequot Tribal Nation  
Natural Resources Protection & Regulatory Affairs  
550 Trolley Line Boulevard/P.O. Box 3202  
Mashantucket, CT 06338-3202

**RE: Project Notification Form  
Mill River Linear Park  
Stamford, Connecticut  
MMI #4991-02-04/1535-55-02**

Dear Ms. Turnbull:

Milone & MacBroom, Inc. (MMI) has been retained by the Mill River Collaborative to complete regulatory permitting for Phase II of the Mill River Linear Park project in Stamford, Connecticut. The project site is located along both banks of the Rippowam (Mill) River between Main Street and Richmond Hill Avenue. The project entails the installation of linear trail and boardwalks, fishing piers, park improvements, riparian restoration, invasive species removal, and construction of floodwalls on the eastern bank. The trail and park improvements are intended to provide public access to the river where there currently is none. The grading and floodwalls are intended to remove parcels on Clinton Avenue from the existing 100-year floodplain.

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Very truly yours,

**MILONE & MACBROOM, INC.**

Becky Meyer, P.E.  
Project Engineer, Water Resources

Enclosures

4991-02-04-jn616-1-ltr

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[www.miloneandmacbroom.com](http://www.miloneandmacbroom.com)

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# United States Department of the Interior

FISH AND WILDLIFE SERVICE  
New England Field Office  
70 Commercial Street, Suite 300  
Concord, New Hampshire 03301-5087



OCT 18 2002

October 17, 2002

Kerry McWalter  
The BioEngineering Group, Inc.  
18 Commercial St.  
Salem, MA 01970

Dear Ms. McWalter:

This responds to your August 16, 2002 letter requesting our comments regarding the presence of federally-listed and proposed endangered or threatened species, as well as our review pursuant to the Fish and Wildlife Coordination Act, in relation to the proposed environmental restoration project for the Mill River in Stamford, Connecticut. The following comments represent the position of the Department of the Interior and are provided in accordance with the Endangered Species Act of 1973, as amended (16 U.S.C. 1531-1543) and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

Based on information currently available to us, no federally-listed or proposed threatened and endangered species under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area, with the exception of occasional transient bald eagles (*Haliaeetus leucocephalus*). However, we suggest that you contact Nancy Murray of the Connecticut Natural Diversity Database, 79 Elm St., Store Level, Hartford, Connecticut 06102-5066, at (860) 424-3540, for information on state-listed species that may be present.

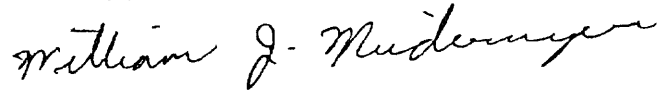
Preparation of a Biological Assessment or further consultation with us under Section 7 of the Endangered Species Act is not required. Should project plans change, or if additional information on listed or proposed species become available, this determination may be reconsidered. A list of federally-designated endangered species in Connecticut is enclosed for your information.

We are unable to provide detailed comments on the potential effects of the proposed action on fish and wildlife resources at this time due to the preliminary stage of the study. However, we support the efforts of The BioEngineering Group, Inc., the Corps of Engineers, and its other partners to remove the Main Street Dam on the Mill River and to restore a natural river channel and its riparian zone in Mill Pond. We look forward to evaluating all restoration opportunities identified in this aquatic ecosystem restoration project.

-2-

Please contact Greg Mannesto of our Rhode Island office at 401-364-9124 if we can be of further assistance.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "William J. Neidermyer".

William J. Neidermyer  
Assistant Supervisor  
Federal Activities  
New England Field Office

**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES**  
**IN CONNECTICUT**

<u>Common Name</u>	<u>Scientific Name</u>	<u>Status</u>	<u>Distribution</u>
<b>FISHES:</b>			
Sturgeon, shortnose*	<u>Acipenser brevirostrum</u>	E	Connecticut River & Atlantic Coastal Waters
<b>REPTILES:</b>			
Turtle, bog	<u>Clemmys muhlenbergii</u>	T	Fairfield, Litchfield Counties
Turtle, green*	<u>Chelonia mydas</u>	T	Oceanic straggler in southern New England
Turtle, hawksbill*	<u>Eretmochelys imbricata</u>	E	Oceanic straggler in southern New England
Turtle, leatherback*	<u>Dermochelys coriacea</u>	E	Oceanic summer resident
Turtle, loggerhead*	<u>Caretta caretta</u>	T	Oceanic summer resident
Turtle, Atlantic ridley*	<u>Lepidochelys kempii</u>	E	Oceanic summer resident
<b>BIRDS:</b>			
Eagle, bald	<u>Haliaeetus leucocephalus</u>	T	Nesting: Barkhamsted Res. and Suffield; entire state- migratory/nesting
Plover, piping	<u>Charadrius melodus</u>	T	Atlantic coast, nesting
Bird, roseate	<u>Sterna dougallii dougallii</u>	E	Atlantic coast/islands, nesting
<b>MAMMALS:</b>			
Whale, blue*	<u>Balaenoptera musculus</u>	E	Oceanic
Whale, finback*	<u>Balaenoptera physalus</u>	E	Oceanic
Whale, humpback*	<u>Megaptera novaeangliae</u>	E	Oceanic
Whale, right*	<u>Eubalaena</u> spp. (all species)	E	Oceanic
Whale, sei*	<u>Balaenoptera borealis</u>	E	Oceanic
Whale, sperm*	<u>Physeter catodon</u>	E	Oceanic
Bat, Indiana	<u>Myotis sodalis</u>	E	New Haven County
<b>MOLLUSKS:</b>			
Wedgemussel, dwarf	<u>Alasmodonta heterodon</u>	E	Hartford County
<b>INSECTS:</b>			
Beetle, Puritan tiger	<u>Cicindela puritana</u>	T	Middlesex County
Beetle, Northeastern beach tiger	<u>Cicindela dorsalis dorsalis</u>	T	Extirpated, coastal beaches
<b>PLANTS:</b>			
Small whorled pogonia	<u>Isotria medeoloides</u>	T	Hartford, New Haven, Fairfield, New London, Windham, Tolland, Middlesex, Litchfield Counties
Golden gerardia	<u>Agalinus acuta</u>	E	Hartford
Thaffseed	<u>Schwalbea americana</u>	E	New London/historic

\* Except for sea turtle nesting habitat, principal responsibility for these species is vested with the National Marine Fisheries Service

Rev. 1/8/02



UNITED STATES DEPARTMENT OF  
COMMERCE

National Oceanic and Atmospheric  
Administration

NATIONAL MARINE FISHERIES SERVICE  
Northeast Region  
Habitat Conservation Division  
Milford Biological Laboratory  
212 Rogers Avenue  
Milford, CT 06460

August 26, 2002

Ms. Kerry M<sup>c</sup>Walter  
Ecological Engineer  
The Bioengineering Group, Inc.  
18 Commercial Street  
Salem, Massachusetts 01970

Dear Ms. M<sup>c</sup>Walter:

This letter is in response to your recent request for information regarding federally listed, proposed or candidate endangered, threatened and special concern species and habitats in the Mill River at Stamford, Connecticut. There are no species present that are listed under the Endangered Species Act of 1973 and managed by our agency. There may be some modest presence of species managed under the Magnuson – Stevens Sustainable Fisheries Act or afforded consideration under the Fish and Wildlife Coordination Act. In all cases, the restoration of the Mill River may facilitate an enhanced use of the waterway by both those estuarine and diadromous species.

The Mill River aquatic environment sees limited use by diadromous species and virtually no use by more marine species beyond an occasional blue fish or blue crab. The principal limitations to use are created by the dam and rubble mound structures that restrict flow and access. Those restrictions begin just up river from the Pulaski Street Bridge. During the upper half of the tidal prism, there is some use of the lower impoundment, by forage species such as Bay anchovy and northern silversides.

Should you wish to discuss this matter further, please contact me at the letterhead address, E-mail <[Michael.ludwig@NOAA.gov](mailto:Michael.ludwig@NOAA.gov)> or by telephone at (203) 882-6504.

Sincerely,  
Michael Ludwig

Michael Ludwig  
Fishery Biologist





UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE  
NORTHEAST REGION  
One Blackburn Drive  
Gloucester, MA 01930-2298

AUG 5 2004

Mr. John R. Kennedy  
Chief of Planning  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, Massachusetts 01742-2751

Re: Pre-release Draft Detailed Project Report (DDP) and Draft Environmental Assessment (DEA) for a Habitat Restoration (Dam Removal) Project along the Mill River in Stamford, Connecticut

Dear Mr. Kennedy:

We have reviewed the draft documents for this project, including the essential fish habitat (EFH) assessment, and find that they adequately characterize the existing conditions, but may be overly optimistic regarding the results of the preferred alternative (#2). However, implementing the preferred alternative of dam removal located approximately 1,000 feet upstream of Stamford Harbor would provide a number of environmental benefits to aquatic resources which we support, but with two caveats.

First, since the 2.5 miles of the Mill River system never was a fully functional estuary, a successful "restoration" to an estuarine system is unlikely. For one, there is a partial fall line consisting of bedrock located at the Pulaski Street Bridge, approximately 200 feet above the head of harbor, which limits upriver tidal mixing. Most tidal encroachments of saline water will be confined to below this fall line, with much less going upstream. For another, and as noted in the reports, much of the land adjacent to the Mill River is impermeable to saturation and water is collected and directed into the Mill River system by drainage systems for the area. That relatively quick runoff to the river can produce sudden changes in salinity and temperature as well as carry an inordinate volume of pollutants, resulting in conditions capable of stressing or killing many of the local aquatic organisms.

Second, plantings established on the landscaped riverbank within the flood plain and tidal zones may not survive during the initial period when water flows and inundation patterns are changing. Restoration has a better chance of success after soil profiles have stabilized, typically about six months after site manipulation. Also, as there is a diversity of saltwater wetland species in the West Branch of Stamford Harbor and the Mill River, natural seeding and subsequent natural selection of species on the restoration site will likely occur from this source. Using natural colonization rather than an artificial placement of biologicals should prove more successful in establishing species suited for long-term use of the new habitats. Using natural colonization has the additional benefit of significant cost savings.



Incidentally, there is no Section 6.4.3 in the DEA as referenced on Page 26 in Section 3.2.8 of the DDPR. The fisheries and EFH discussions are within Sections 6.3.5, 6.6 and Appendix "L" of the DEA.

### **Essential Fish Habitat Comments**

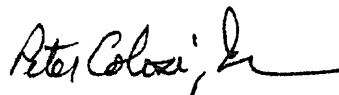
Insofar as a project involves essential fish habitat (EFH), as this project does, this process is guided by the requirements of our EFH regulation at 50 CFR 600.905, which mandates the preparation of EFH assessments and generally outlines each agency's obligations in the relevant consultation procedure. Section 305(b)(2) of the Magnuson-Stevens Fishery Conservation and Management Act (MSA) requires all federal agencies to consult with the National Marine Fisheries Service (NOAA Fisheries) on any action authorized, funded, or undertaken by that agency that may adversely affect EFH. Additionally, NOAA Fisheries reported to your agency in a "Letter of Finding" dated January 18, 2000, that the existing review process used by the Army Corps of Engineers (ACOE) may be used to satisfy the EFH consultation process. We offer the following comments and recommendations on this project pursuant to the above referenced construct.

### **Essential Fish Habitat Conservation Recommendations**

The intended action supports restoration of the Mill River ecosystem and will allow its use by species denied access since 1641. One conservation recommendation is needed to meet the objectives of the MSA:

- The in-water work should be restricted to periods when water quality is not distressed and sediment migration off the site would not adversely impact the lower or tidal portions of the West Branch/Mill River system. The protective window when no work should be undertaken in the waterway to attain these objectives should extend from May 15 through September 30 of any calendar year. During this period, the West Branch of Stamford Harbor and the lower Mill River are used by species such as summer flounder, bluefish, and their forage. The redistribution of sediment and release of pollutants could degrade the EFH for these species by alternation of the seafloor, burial of prey items, and abrasion of gill tissue.

Sincerely,



Peter D. Colosi, Jr.  
Assistant Regional Administrator  
for Habitat Conservation



Connecticut Department of  
Energy & Environmental Protection

CPPU USE ONLY

App #: \_\_\_\_\_

Doc #: \_\_\_\_\_

Check #: \_\_\_\_\_

## Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s). Print legibly or type.

### Part I: Applicant Information:

- \*If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, applicant's name shall be stated **exactly** as it is registered with the Secretary of State.
- If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

Applicant: **City of Stamford**

Mailing Address: **c/o Land Use Bureau, 888 Washington Boulevard**

City/Town: **Stamford**

State: **CT**

Zip Code: **06901**

Business Phone: **203-977-4714**

ext.:

Contact Person: **Ralph Blessing**

Phone: **203-977-4714** ext.

E-Mail: **rblessing@stamfordct.gov**

Applicant (check one): ☐ individual ☐ \*business entity ☐ federal agency ☐ state agency ☒ municipality ☐ tribal

\*If a business entity, list type (e.g., corporation, limited partnership, etc.):

☐ Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above.

Please provide the following information to be used for *billing purposes only*, if different:

Company/Individual Name:

Mailing Address:

City/Town:

State:

Zip Code:

Contact Person:

Phone:

ext.

### Part II: Project Information

Brief Description of Project: (Example: Development of a 50 slip marina on Long Island Sound)

**Construction of Mill River Linear Park improvements, including replacement of existing retaining wall along Mill River with boulder revetment landward of existing structure**

Location (City/Town): **Stamford**

Other Project Related Permits (not included with this form):

Permit Description	Issuing Authority	Submittal Date	Issuance Date	Denial Date	Permit #

### Part III: Individual Permit Application and Fee Information

New, Mod. or Renew	Individual Permit Applications	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
	<b>AIR EMISSIONS</b>				
	New Source Review <input type="checkbox"/> Revision <input type="checkbox"/> minor mod	\$940.00			1 + 0
	Title V Operating Permits <input type="checkbox"/> Revision <input type="checkbox"/> minor mod <input type="checkbox"/> non-minor mod	none			1 + 0
	Title IV	none			1 + 0
	Clean Air Interstate Rule (CAIR)	none			1 + 0
	<b>WATER DISCHARGES</b>				
	To Groundwater	\$1300.00			1 + 1
	To Sanitary Sewer (POTW)	\$1300.00			1 + 1
	To Surface Water (NPDES)	\$1300.00			1 + 1
	<b>INLAND WATER RESOURCES-</b>				
	Dam Safety	none			1 + 2
	Flood Management Certification	none			1 + 1
	Inland Wetlands and Watercourses	none			1 + 5
	Inland 401 Water Quality Certification	none			
	FERC- Hydropower Projects- 401 Water Quality Certification	none			1 + 1
	Water Diversion	★			1 + 5
	<b>OFFICE OF LONG ISLAND SOUND PROGRAMS</b>				
New	Certificate of Permission	\$375.00	1	\$375.00	1 + 2
	Coastal 401 Water Quality Certification	none			1 + 2
	Structures and Dredging/and Fill/Tidal Wetlands	\$660.00			1 + 2
	<b>WASTE MANAGEMENT</b>				
	Aerial Pesticide Application	★			1 + 2
	Aquatic Pesticide Application	\$200.00			1 + 0
	CGS Section 22a-454 Waste Facilities	★			1 + 1
	Disruption of a Solid Waste Disposal Area	\$0			1 + 1
	Hazardous Waste Treatment, Storage and Disposal Facilities	★			1 + 1
	Marine Terminal License	\$100.00			1 + 0
	Stewardship	\$4000.00			1 + 1
	Solid Waste Facilities	★			1 + 1
	Waste Transportation	★			1 + 0
		Subtotal ➡	1	\$375.00	
GENERAL PERMITS and AUTHORIZATIONS		Subtotals Page 3 & 4 ➡			
Enter subtotals from Part IV, pages 3 - 6 of this form		Subtotals Page 5 ➡			
		Subtotals Page 6 ➡			
		<b>TOTAL ➡</b>	1	\$375.00	
<input checked="" type="checkbox"/> Indicate whether municipal discount or state waiver applies.		➡		\$187.50	
Less Applicable Discount				\$187.50	
		<b>AMOUNT REMITTED ➡</b>		\$187.50	
Check # ➡	<input type="text"/>	Check or money order should be made payable to: "Department of Energy and Environmental Protection"			

★ See fee schedule on individual application.

## Part IV: General Permit Registrations and Requests for Other Authorizations

### Application and Fee Information

✓ General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
<b>AIR EMISSIONS</b>				
<input type="checkbox"/> Limit Potential to Emit from Major Stationary Sources of Air Pollution	\$2760.00			1 + 0
<input type="checkbox"/> Diagnostic and Therapeutic X-Ray Devices (Medical X-Ray) Registration	\$190.00/Xray device			1 + 0
<input type="checkbox"/> Radioactive Materials and Industrial Device Registration (Ionizing Radiation)	\$200.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> License Revocation Request	\$0			★★
<input type="checkbox"/> Other, (please specify):				
<b>WATER DISCHARGES</b>				
<input type="checkbox"/> Boiler Blowdown Wastewater	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Categorical Industry User to a POTW Discharges > 10,000 gpd Discharges < 10,000 gpd	\$6250.00 \$3125.00			1 + 0
<input type="checkbox"/> Domestic Sewage	\$625.00			1 + 0
<input type="checkbox"/> Food Preparation Establishment Wastewater	No Registration			
<input type="checkbox"/> Food Processing Wastewater	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Sanitary Sewer	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Surface Water Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1250.00			
<input type="checkbox"/> Hydrostatic Pressure Testing Wastewater Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP (natural gas pipelines)	\$1250.00			
<input type="checkbox"/> Miscellaneous Discharges of Sewer Compatible Wastewater Registration Only	\$500.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1000.00			
<input type="checkbox"/> Nitrogen Discharges	No Registration			
<input type="checkbox"/> Non-Contact Cooling and Heat Pump Water (Minor)	\$625.00			1 + 0
<input type="checkbox"/> Photographic Processing Wastewater (Minor)	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Point Source Discharges from Application of Pesticides	\$200.00			1 + 0
<input type="checkbox"/> Printing & Publishing Wastewater (Minor) Flow < 40 gpd	\$500.00 \$100.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Commercial Activities	\$300.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Industrial Activities <50 employees—see general permit for additional requirements >50 employees—see general permit for additional requirements	\$500.00 \$1000.00			1 + 0
<input type="checkbox"/> Stormwater & Dewatering Wastewaters-Construction Activities	★			1 + 0
<input type="checkbox"/> Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)	\$250.00			1 + 0

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.  
(Contact numbers are provided in the instructions)



Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

WATER DISCHARGES (continued)				
<input type="checkbox"/> Subsurface Sewage Disposal Systems Serving Existing Facilities	★ ★			1 + 0
<input type="checkbox"/> Swimming Pool Wastewater - Public Pools and Contractors	\$500.00			1 + 0
<input type="checkbox"/> Tumbling or Cleaning of Parts Wastewater (Minor)	Expired- wastewater discharge authorized under MISC GP			
<input type="checkbox"/> Vehicle Maintenance Wastewater				
<input type="checkbox"/> Registration Only	\$625.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEEP	\$1250.00			
<input type="checkbox"/> Water Treatment Wastewater	\$625.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to POTW	\$1500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to Surface Water	\$1500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization - Discharge to Groundwater	\$1500.00			1 + 0
<input type="checkbox"/> Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal ➡	0	0

★

See fee schedule on registration/application.

★★

Contact the specific permit program for this information.  
(Contact numbers are provided in the instructions)

## Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

✓ General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
<b>AQUIFER PROTECTION PROGRAM</b>				
<input type="checkbox"/> Registration for Regulated Activities	\$625.00			1 + 0
<input type="checkbox"/> Permit Application to Add a Regulated Activity	\$1250.00			1 + 0
<input type="checkbox"/> Exemption Application from Registration	\$1250.00			1 + 0
<b>INLAND WATER RESOURCES</b>				
<input type="checkbox"/> Diversion of Remediation Groundwater	No Registration			
<input type="checkbox"/> Diversion of Water for Consumptive Use: Reauthorization Categories	\$1000.00			1 + 2
<input type="checkbox"/> Diversion of Water for Consumptive Use: Authorization Required	\$2500.00			1 + 4
<input type="checkbox"/> Diversion of Water for Consumptive Use: Filing Only	\$1500.00			1 + 4
<input type="checkbox"/> Programmatic General Permit	★			1 + 3
<input type="checkbox"/> Water Resource Construction Activities	★			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Notice of High Hazard Dam or a Significant Hazard Dam	\$0			1 + 0
<input type="checkbox"/> Other, (please specify):				
<b>OFFICE OF LONG ISLAND SOUND PROGRAMS</b>				
<input type="checkbox"/> 4/40 Docks	\$700.00			1 + 1
<input type="checkbox"/> Beach Grading	\$100.00			1 + 1
<input type="checkbox"/> Buoys or Markers	No Registration			
<input type="checkbox"/> Coastal Remedial Activities Required by Order	\$700.00			1 + 1
<input type="checkbox"/> Dock Reconstruction	\$300.00			1 + 1
<input type="checkbox"/> Harbor Moorings	No Registration			
<input type="checkbox"/> Maintenance of Catch Basins and Tide Gates	No Registration			
<input type="checkbox"/> Marina and Mooring Field Reconfiguration	\$700.00			1 + 1
<input type="checkbox"/> Minor Seawall Repair	No Registration			
<input type="checkbox"/> Non-harbor Moorings	\$100.00			1 + 1
<input type="checkbox"/> Osprey Platforms and Perch Poles	none			1 + 1
<input type="checkbox"/> Pump-out Facilities (no fee for Clean Vessel Act grant recipients)	\$100.00			1 + 1
<input type="checkbox"/> Programmatic General Permit	★			1 + 1
<input type="checkbox"/> Removal of Derelict Structures	\$100.00			1 + 1
<input type="checkbox"/> Residential Flood Hazard Mitigation	\$100.00			1 + 1
<input type="checkbox"/> Swim Floats	\$100.00			1 + 1
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal ➡	0	0

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.  
(Contact numbers are provided in the instructions)

## Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

✓ General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
<b>WASTE MANAGEMENT</b>				
<input type="checkbox"/> Addition of Grass Clippings at Registered Leaf Composting Facilities	\$500.00			1 + 0
<input type="checkbox"/> Beneficial Use Determination	★			1 + 0
Certain Recycling Facilities:				
<input type="checkbox"/> Drop-site Recycling Facility	\$200.00			1 + 0
<input type="checkbox"/> Limited Processing Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Recyclables Transfer Facility	\$500.00			1 + 0
<input type="checkbox"/> Single Item Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Collection and Storage of Post Consumer Paint	\$0			1 + 0
Contaminated Soil and/or Staging Management (Staging/Transfer)				
<input type="checkbox"/> New Registrations	\$250.00			1 + 0
<input type="checkbox"/> New Approval of Registrations	\$1500.00			1 + 0
<input type="checkbox"/> Renewal of Registrations	\$250.00			1 + 0
<input type="checkbox"/> Renewal of Approval of Registrations	\$750.00			1 + 0
<input type="checkbox"/> Connecticut Solid Waste Demonstration Project	\$1000.00			1 + 0
<input type="checkbox"/> Disassembling Used Electronics	\$2000.00			1 + 0
<input type="checkbox"/> Leaf Composting Facility	none			1 + 1
<input type="checkbox"/> Municipal Transfer Station	\$800.00			1 + 1
<input type="checkbox"/> One Day Collection of Certain Wastes and Household Hazardous Waste	\$1000.00			1 + 0
<input type="checkbox"/> Sheet leaf Composting Notification	\$0			★★
Special Waste Authorization				
<input type="checkbox"/> Landfill or RRF Disposal	\$660.00			1 + 0
<input type="checkbox"/> Asbestos Disposal	\$300.00			
<input type="checkbox"/> homeowner	\$0			
<input type="checkbox"/> Storage and Processing of Asphalt Roofing Shingle Waste	\$2500.00			1 + 0
<input type="checkbox"/> Storage and Processing of Scrap Tires for Beneficial Use	\$1250.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
<b>REMEDIATION</b>				
<input type="checkbox"/> In Situ Groundwater Remediation: Enhance Aerobic Biodegradation	★			1 + 2
<input type="checkbox"/> In Situ Groundwater Remediation: Chemical Oxidation	\$500.00			1 + 0
<input type="checkbox"/> Emergency/Temporary Authorization	★			★★
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal ➡	0	0

★ See fee schedule on registration/application.

★★ Contact the specific permit program for this information.

(Contact numbers are provided in the instructions)

### Affirmative Action, Equal Employment Opportunity and Americans with Disabilities

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). Please contact us at (860) 418-5910 or [deep.accommodations@ct.gov](mailto:deep.accommodations@ct.gov) if you: have a disability and need a communication aid or service; have limited proficiency in English and may need information in another language; or if you wish to file an ADA or Title VI discrimination complaint.



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026231

DATE

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**PAY** One Hundred Eighty Seven and 50/100 Dollars

AMOUNT

187.50

TO THE  
ORDER  
OF  
CT DEEP  
79 Elm Street  
Accounts Receivable  
Hartford, CT 06106-5127



AUTHORIZED SIGNATURE

⑈026231⑈ ⑆211872027⑆ 100059478⑈

MILONE & MACBROOM

Check Date: 3/24/2017

026231

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
03232017	3/23/2017	000000013152	187.50			187.50
CT DEEP		TOTAL	187.50			187.50
Apple Valley Checking	1	DEEP				



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

## Certificate of Permission Application Form

IMPORTANT - Please refer to the [instructions](#) (DEP-OLISP-INST-200) for completing this application form to ensure that all required information is provided. Print or type all information within the form, providing additional pages as necessary.

- ☒ If your town has a Harbor Management Commission, you must submit a copy of this application **by certified mail** to the Commission. Please check here to indicate you have done so.
- ☐ My town does not have a Harbor Management Commission.

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	_____
Program: <b>Certificate of Permission</b>	

### Part I: Application Description

Town where site is located:	<u>Stamford</u>
Brief Description of Project:	<u>Replace existing retaining wall with stone revetment landward of existing wall</u>

### Part II: Fee Information

A fee of \$375.00 must be submitted with this application form. Note: The fee for municipalities is \$187.50. [#410] The application will not be processed without the initial fee. The fee shall be non-refundable and shall be paid by check or money order to the Department of Energy and Environmental Protection.
--

### Part III: Applicant Information

- If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, applicant's name shall be stated **exactly** as it is registered with the Secretary of State. This information can be accessed at [CONCORD](#). See 1.a) ii, below.*
- If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.)*
- If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the [Request to Change Company/Individual Information](#) to the address indicated on the form. If there is a change in name of the entity holding a DEEP license or a change in ownership, contact the Office of Planning and Program Development (OPPD) at 860-424-3003. For any other changes you must contact the specific program from which you hold a current DEEP license.*



### Part III: Applicant Information (continued)

#### 1. Applicant Name: City of Stamford

Mailing Address: **c/o Land Use Bureau, 888 Washington Boulevard**

City/Town: **Stamford**

State: **CT**

Zip Code: **06901**

Business Phone: **203-977-4714**

ext.

Contact Person: **Ralph Blessing**

Title: **Land Use Bureau Chief**

\*E-mail: **rblessing@stamfordct.gov**

\*By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject application. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes.

#### a) Applicant Type (check one):

☐ individual      ☐ federal agency      ☐ state agency      ☒ municipality      ☐ tribal

☐ \*business entity (\*If a business entity, complete i through iii):

i) check type: ☐ corporation      ☐ limited liability company      ☐ limited partnership

☐ limited liability partnership      ☐ statutory trust      ☐ Other: \_\_\_\_\_

ii) provide Secretary of the State business ID #: \_\_\_\_\_ This information can be accessed at the Secretary of State's database (CONCORD). ([www.concord-sots.ct.gov/CONCORD/index.jsp](http://www.concord-sots.ct.gov/CONCORD/index.jsp))

iii) ☐ Check here if your business is **NOT** registered with the Secretary of State's office.

#### b) Applicant's interest in the property at which the proposed activity is to be located:

☒ owner      ☐ option holder      ☐ lessee      ☐ other (specify): \_\_\_\_\_

☐ Check here if there are co-applicants. If so, label and attach additional sheet(s) with the required information as Attachment E.

#### 2. Billing Contact, if different than the applicant.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

E-mail:

#### 3. Primary contact for departmental correspondence and inquiries, if different than applicant:

Name: **Mill River Park Collaborative**

Mailing Address: **1010 Washington Blvd.**

City/Town: **Stamford**

State: **CT**

Zip Code: **06901**

Business Phone: **203-969-4760**

ext.

Contact Person: **Nia Rhodes-Jackson**

Title: **Director, Capital Planning**

\*E-mail: **nia@millriverpark.org**

\*By providing this e-mail address you are agreeing to receive official correspondence from the department, at this electronic address, concerning the subject application. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify the department if your e-mail address changes.

### Part III: Applicant Information (continued)

**4. List Site Owner, if different than applicant:**

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

E-mail:

**5. List Facility Owner, if different than applicant:**

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Contact Person:

Title:

E-mail:

**6. List attorney or other representative, if applicable:**

Firm Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Attorney:

E-mail:

**7. List all engineer(s), surveyor(s) and/or other consultant(s) employed or retained to assist in preparing the application and designing or constructing the activity. ☒ Check here if additional sheets are necessary, and label and attach them as Attachment G.**

Name: **Milone & MacBroom, Inc.**

Mailing Address: **99 Realty Drive**

City/Town: **Cheshire**

State: **CT**

Zip Code: **06410**

Business Phone: **203-271-1773**

ext.

Contact Person: **Becky Meyer, P.E.**

Title: **Water Resources Engineer**

E-mail: **bmeyer@mminc.com**

Service Provided: **Preparation of COP application**

### Part III: Applicant Information (continued)

8. Provide abutting or adjacent property owners' names and addresses as Attachment C.
9. If you met with Office of Long Island Sound Program (OLISP) staff in a pre-application meeting, please note the meeting date and OLISP staff person's name:

Staff Name: **Sue Jacobson**

Meeting Date: **April 28, 2016**

### Part IV: Site Information and Resource Information

**1. SITE NAME AND LOCATION:**

Name of Site: **Mill River Linear Park**

Street Address or Location Description: **Between Tresser Boulevard and Richmond Hill Avenue**

City or Town: **Stamford**

State: **CT**

Zip Code: **06904-2152**

Tax Assessor's Reference: Map **See attachment C** Block

Lot

Latitude and longitude of the exact location of the proposed activity in degrees, minutes, and seconds or in decimal degrees: Latitude: **41.04947** Longitude: **-73.546**

Method of determination (check one):

☐ GPS ☐ USGS Map ☒ Other (please specify): **CT Eco Simple Map Viewer**

If a USGS Map was used, provide the quadrangle name:

**2. IS THE PROJECT SITE LOCATED IN A MUNICIPALITY WITHIN THE COASTAL AREA** (check town list in the instructions)?

☒ Yes ☐ No

**3. ENDANGERED OR THREATENED SPECIES:** According to the most current "State and Federal Listed Species and Natural Communities Map", is the project site located within an area identified as a habitat for endangered, threatened or special concern species? ☐ Yes ☒ No Date of Map: **Dec. 2016**

If yes, complete and submit a *Request for NDDB State Listed Species Review Form* (DEP-APP-007) to the address specified on the form. **Please note NDDB review generally takes 4 to 6 weeks and may require additional documentation from the applicant.**

A **copy** of the completed *Request for NDDB State Listed Species Review Form* and the CT NDDB response **must** be submitted with this completed application as Attachment D.

For more information visit the DEEP website at [www.ct.gov/deep/nddbrequest](http://www.ct.gov/deep/nddbrequest) or call the NDDB at 860-424-3011.

**4. AQUIFER PROTECTION AREAS:** Is the site located within a town required to establish Aquifer Protection Areas, as defined in section 22a-354a through 354bb of the General Statutes (CGS)?

☐ Yes ☒ No To view the applicable list of towns and maps visit the DEEP website at [www.ct.gov/deep/aquiferprotection](http://www.ct.gov/deep/aquiferprotection)

If yes, is the site within an area identified on a Level A map? ☐ Yes ☐ No

If yes, is the site within an area identified on a Level B map? ☐ Yes ☐ No

If your site is on a Level A map, check the DEEP website, [Business and Industry Information](#) to determine if your activity is required to be registered under the Aquifer Protection Area Program.

If your site is on a Level B map, no action is required at this time, however you may be required to register under the Aquifer Protection Area Program in the future when the area is delineated as Level A.

#### Part IV: Site Information and Resource Information (continued)

5. **CONSERVATION OR PRESERVATION RESTRICTION:** Is the property subject to a conservation or preservation restriction? ☐ Yes ☒ No

If Yes, proof of written notice of this application to the holder of such restriction or a letter from the holder of such restriction verifying that this application is in compliance with the terms of the restriction, must be included as Attachment G.

6. **Indicate the number and date of issuance of any previous state coastal permits or certificates issued by DEEP authorizing work at the site and the names to whom they were issued:**

<i>Permit/COP Number</i>	<i>Date Issued</i>	<i>Name of Permittee/Certificate Holder</i>
<b>SCEL200602303</b>	<b>8/21/2008</b>	<b>City of Stamford</b>
<b>DIV-200602304</b>	<b>8/21/2008</b>	<b>City of Stamford</b>
<b>200603004-SJ</b>	<b>8/21/2008</b>	<b>City of Stamford</b>

If information on prior state coastal permits and certificates is unknown, list names of the owners of the property since 1939 and the years owned:

7. Identify any changes in conditions of the site (including ownership, development, use, or natural resources) since the issuance of the most recent DEEP coastal permit or certificate authorizing work at the site:

**No site modifications have occurred since the issuance of the previous OLISP permit to construct Phase II of the Mill River Linear Park improvements. The regulatory SCEL limit has since been replaced by the CJL (5.5' NAVD88).**

8. Describe the *existing* structures, conditions and uses at the site of the proposed work. Provide photographs showing existing conditions as Attachment B:

**The existing revetment is a stone masonry retaining wall. Existing land use is municipally-owned riverfront land currently overgrown and inaccessible to the public for recreational use.**

9. Provide the name of the waterbody at the site of proposed work: **Rippowam a.k.a. Mill River**

10. Provide the elevation of the applicable regulatory limit for your project referenced to NAVD88. Refer to the [instructions](#) for more information.

☐ Tidal Wetlands Limit (TWL) = \_\_\_\_\_ ☒ Coastal Jurisdiction Limit (CJL) = **5.5 feet**

11. How was the regulatory limit identified above determined? Please check one of the following:

☒ **DEEP-calculated elevation**

☐ **Self-calculated elevation** (If a self-calculated elevation is used, please provide the additional information and calculations per the instructions.)

☐ **Mean High Water elevation** (use only if project is upstream of a tide gate, dam or weir)  
(If a MHW elevation is used, provide a discussion of the location of the tide gate, dam or weir.)

If other than a DEEP calculated elevation was used to calculate the CJL, please provide the additional information and calculations per the instructions and label and attach them as Attachment G.

## Part IV: Site Information and Resource Information (continued)

12. Provide the elevations of the mean high water and mean low water at the site and the reference datum used. Refer to the instructions regarding elevation datum.

MHW = 4.6

MLW = -3.8

Datum = NAVD 88

☐ Check here If NAVD88 is not referenced, and provide an orthometric conversion table in Attachment G.

13. Identify all aquatic resources on and adjacent to the site and describe the characteristics and condition of each resource (identify location of resources on plans submitted as Attachment A):

**The Rippowam (a.k.a Mill) River is located within the project area. The CJL is elevation 5.5' NAVD88 and the effective FEMA flood elevation at the project site is approximately 13' NAVD88. No aquatic or vegetative resources have been identified on the site. The area has been greatly impacted by urbanization and development.**

14. Identify the locations of any osprey nesting platforms within 500 feet of the site.

**None identified**

## Part V: Project Information

1. Describe the proposed regulated work and activities including construction methodology and sequencing and plans to minimize erosion and sedimentation.

**An existing stone masonry retaining wall will be removed, and the stone from the wall will be stockpiled for reuse. All existing trees are to be protected. Only selective vegetation removal will occur. Approximately 705 s.f. of riprap armoring will be installed landward of the existing revetment. The bank will be graded back (170 s.f.) to provide for the installation of a new retaining wall (knee wall) landward of the existing revetment and the CJL. Scuppers will be installed to allow for drainage. Riparian plantings will be installed between the toe and top of the new boulder revetment.**

2. **Provide plans of the project as Attachment A.** They must be 8 1/2" x 11" scaled plans of the site and proposed work including:

- a. A Vicinity Map;
- b. A Tax Assessor's map showing the subject property and immediately adjacent properties;
- c. Plan Views showing existing and proposed conditions; and
- d. An Elevation or Cross-Section View showing existing and proposed conditions.

*Please refer to instructions for identification of plan components.*

3. Describe the purpose, need and use of the proposed work.

**The repair/replacement of the deteriorated retaining wall is necessary to construct a safe linear trail along the west bank of the watercourse. The proposed boulder revetment will be located landward of the existing retaining wall.**

4. Identify and evaluate the adverse environmental impacts associated with proposed work and mitigation measures to be employed.

**No adverse impacts anticipated. Sediment and erosion control measures will be used during all construction along the banks and waterward of the CJL.**

## Part V: Project Information (continued)

### 5. Check each category of eligible activities that applies to this application:

#### **CGS section 22a-363b(a):**

- ☐ 1. Substantial maintenance or repair of existing structures, fill, obstructions or encroachments authorized pursuant to the Structures, Dredging and Fill Statutes, CGS section 22a-361, and/or the Tidal Wetlands Act, CGS section 22a-32.
- ☐ 2. Substantial maintenance of any structures, fill, obstructions or encroachments in place prior to June 24, 1939, and continuously maintained and serviceable since such time.
- ☐ 3. Maintenance dredging of areas which have been dredged and continuously maintained and serviceable as authorized pursuant to the Structures, Dredging and Fill Statutes, CGS section 22a-361, and/or the Tidal Wetlands Act, CGS section 22a-32.
- ☐ 4. Activities allowed pursuant to a perimeter permit and requiring authorization by the Commissioner of Energy & Environmental Protection.
- ☐ 5. The removal of derelict structures or vessels.
- ☐ 6. Minor alterations or amendments to activities permitted pursuant to CGS section 22a-361 and/or CGS section 22a-32 consistent with the original permit.
- ☐ 7. Minor alterations or amendments to activities completed prior to June 24, 1939.
- ☐ 8. Placement of temporary structures for water-dependent uses as defined in CGS section 22a-93(16).
- ☐ 9. Open water marsh management, tidal wetland restoration, resource restoration or enhancement activity, as defined in subsection (a) of section 22a-361, as amended by this act, and conservation activities undertaken by or under the supervision of the Department of Energy & Environmental Protection.
- ☐ 10. Placement or reconfiguration of piers, floats, docks, and moorings within existing waterward boundaries of recreational marinas or yacht clubs which have been authorized pursuant to Section 22a-361 and/or CGS section 22a-32.
- ☒ 11. Substantial maintenance or repair of structures, fill, obstructions or encroachments placed landward of the mean high waterline and waterward of the coastal jurisdiction line, completed prior to October 1, 1987, and continuously maintained and serviceable since said date.

#### **CGS section 22a-363b(b):**

- ☐ 12. Retention of pre-1995 unauthorized activities which do not interfere with navigation or littoral or riparian rights, and do not cause adverse impacts to coastal resources.
- ☐ 13. Substantial maintenance or repair of pre-1995 unauthorized activities which do not interfere with navigation or littoral or riparian rights, and do not cause adverse impacts to coastal resources.
- ☒ 14. Minor alterations or amendments to pre-1995 unauthorized activities which do not interfere with navigation or littoral or riparian rights, and do not cause adverse impacts to coastal resources.

6. In question 5, if item numbers 2 and/or 7 were checked, demonstrate that the structure(s) or activity for which work is proposed has been continuously maintained and serviceable since 1939. Check the box if documents have been provided in Attachment G. ☐



## Part V: Project Information (continued)

7. In question 5, if item numbers 1, 3, 4, 6 or 10 were checked, demonstrate that the structure(s) or activity has a prior authorization and has been continuously maintained and serviceable.
8. In question 5, if item numbers 11, 12, 13, or 14 were checked, please provide the date of installation of the structure(s) or the date the activity occurred and indicate how you made this determination.  
**The exact date of installation is unknown, however a review of available historical aerial images shows a number of residences along the west bank of the river. It appears that the revetment was present at least as far back as 1951, the aerial image of which shows residences immediately adjacent to the edge of water. A copy of historical images from 1951, 1970, 1985 and 1990 have been included with the current site photographs found in Attachment B.**
9. In question 5, if item numbers 11, 12, 13, or 14 were checked, demonstrate that the structure(s) or activity for which retention or work is proposed complies with all applicable standards and criteria.  
Check the box if documents have been provided in Attachment G. ☐
10. In question 5, if item numbers 11, 12, 13, or 14 were checked, demonstrate that the structure(s) or activity has been continuously maintained and serviceable since January 1995.  
Check the box if documents have been provided in Attachment G. ☐
11. In question 5, if item numbers 12, 13, or 14 were checked, state whether the applicant conducted or was responsible for the unauthorized activity, or whether the applicant knew or had reason to know of the unauthorized activity at the time the property which is the site of the unauthorized activity was acquired.  
Check the box if documents have been provided in Attachment G. ☐

## Part V: Project Information (continued)

12. a. Is any portion of work for which authorization is being sought now complete or under construction?  
☐ Yes      ☒ No

If Yes, specify what parts of the proposed work have been completed or are under construction and indicate when such work was undertaken or completed. Identify completed portions on the plans submitted.

- b. If yes, is the application associated with an enforcement action pending with DEEP?  
☐ Yes      ☐ No      If yes, explain:

☐ Check here, if documents have been provided in Attachment G. Also please complete *Applicant Compliance Information Form* (DEP-APP-002).

13. Provide other relevant information you deem important to consider in the review of this application. Check the box if documents have been provided in Attachment G: ☐

## Part VI: Supporting Documents

Check the applicable box below for each attachment being submitted with this application form. The specific information required in each attachment is described in the *Instructions for Completing a Certificate of Permission Application for the Office of Long Island Sound Programs* (DEP-OLISP-INST-200).

- |                                     |               |   |
|-------------------------------------|---------------|---|
| <input checked="" type="checkbox"/> | Attachment A: | Plans in accordance with Part V, item 2 of the instructions   |
| <input checked="" type="checkbox"/> | Attachment B: | Photographs showing existing conditions of the site   |
| <input checked="" type="checkbox"/> | Attachment C: | Abutting or adjacent property owner information; including names and mailing addresses  |
| <input type="checkbox"/>            | Attachment D: | <b>Copy</b> of the completed <i>Request for NDDB State Listed Species Review Form</i> (DEP-APP-007) and the NDDB response, if applicable. |
| <input type="checkbox"/>            | Attachment E: | <a href="#"><i>Applicant Background Information Form</i></a> (DEP-APP-008) (if applicable)  |
| <input type="checkbox"/>            | Attachment F: | <a href="#"><i>Applicant Compliance Information Form</i></a> (DEP-APP-002)  |
| <input checked="" type="checkbox"/> | Attachment G: | Other Information (if applicable)   |

## Part VI: Application Certification

The applicant(s) and the individual(s) responsible for actually preparing the application must sign this part. An application will be considered insufficient unless all required signatures are provided.

"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.

I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

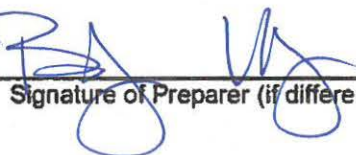
I certify that this application is on complete and accurate forms as prescribed by the commissioner without alteration of the text."

  
Signature of Applicant

3/23/2017  
Date

Ralph Blessing  
Name of Applicant (print or type)

Land Use Bureau Chief  
Title (if applicable)

  
Signature of Preparer (if different than above)

3/23/2017  
Date

Becky Meyer, P.E.  
Name of Preparer (print or type)

Water Resources Engineer  
Title (if applicable)

☐ Check here if additional signatures are required. If so, please reproduce this sheet and attach signed copies to this sheet. You must include signatures of any person preparing any report or parts thereof required in this application (i.e., professional engineers, surveyors, soil scientists, consultants, etc.)

Note: Please submit the completed Application Form, Fee, and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT  
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
79 ELM STREET  
HARTFORD, CT 06106-5127

If your town has a Harbor Management Commission, you must submit a copy of this completed application by *certified mail* to the Commission and include a copy of the receipt with your application materials indicating that such documents were sent certified.

Submit one complete application copy to the U.S. Army Corps of Engineers, Regulatory Division, 696 Virginia Road, Concord, MA, 01742

Along the west bank of Mill River (A.K.A. Rippowam River), between Tresser Blvd and Richmond Hill Ave, there are two dilapidated rock retaining walls. There are 215 linear feet of wall, the top of which is at elevation 9'.

There will be a double erosion control barrier along the rivers edge. The area will be excavated only to the extent necessary. The boulders will be set and backfilled. All materials and equipment will be stored upland, away from rivers edge, at a site yet to be determined.

Please note that MLW in Stamford Harbor, per NOAA data, is -3.8 feet NAVD88, so it will not appear on the plans and sections. Also, in placing the new wall, we have been careful not to upset the existing shoreline, so that will remain the same.

The map illustrates the Mill River Park Middle Corridor South Portion in Stamford, CT. The Rippowam River is shown flowing through the city, with the Mill River Park Middle Corridor highlighted in yellow. Key landmarks include the University of Connecticut Stamford campus, Stamford Hospital, and various parks like John A. Skalko Park and Czeick Marina Park. Major roads such as Washington Blvd, Main St, and I-95 are also depicted.



LANDSCAPE ARCHITECTURE AND URBAN DESIGN  
PUBLIC LEISURE BUILDINGS, GUTS TEES  
180 SOUTH INDEPENDENCE MALL WEST  
PHILADELPHIA, PA 19106  
TEL 215-440-0090 / FAX 215-440-0041  
WWW.THEBOLDSTUDIO.COM  
CLUB SOUTHSHORE, I TO.

Civil Engineers/Stormwater  
Management: Nitsch Engineering, Inc.  
2 Center Plaza, Suite 430  
Boston, MA 02108  
617 338-0063

**Irrigation Design:**  
Northern Designs, LLC.  
2089 Hartford Turnpike  
North Haven, CT 06473  
203 239-2710

Lighting Designer:  
Tillett Lighting Design Inc.  
172 North 11th Street, Studio 5  
Brooklyn, NY 11211  
718 218-6578

Restoration Ecologist:  
Habitat by Design  
74 Stagecoach Road  
Pipersville, PA 18947  
610 294-9400

Structural/MEP Engineers:  
Stantec  
5 Burlington Woods  
Burlington, MA 01803  
781 221-1079

Geotechnical Engineers:  
GZA GeoEnvironmental, Inc  
530 Broadway  
Providence, RI 02909  
401 421-4140

Cost Estimator:  
Becker & Frondorf  
1500 Walnut Street, Suite 190  
Philadelphia, PA 19102  
215 772-1400

[illegible]

Seals:

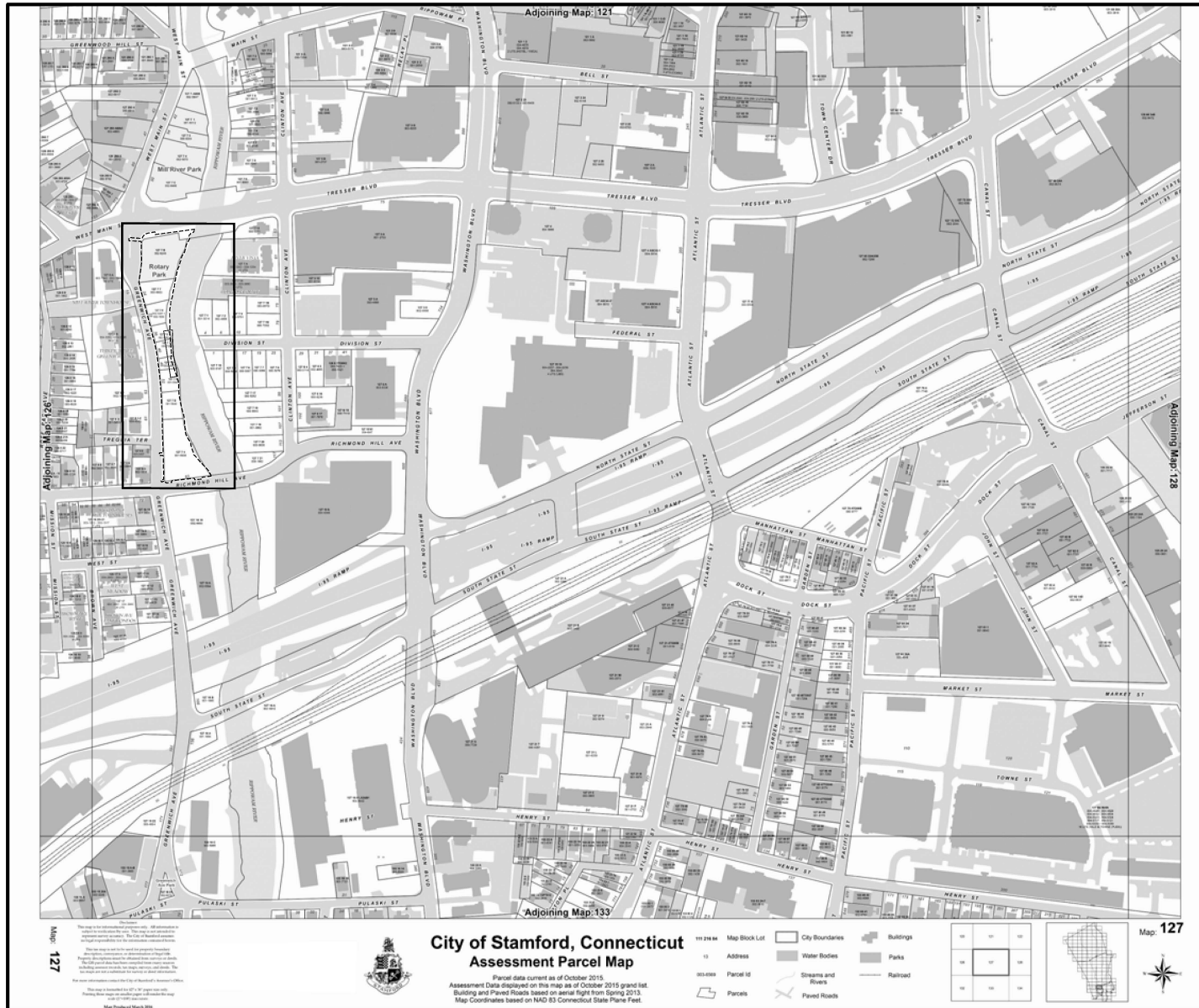
Job No: 1532.26	Drawn By: AS
Scale: AS SHOWN	Checked By: DS
Date: 24 FEB 2017	

## Drawing No:

00.0



# TAX ASSESSOR'S MAP



**MILL RIVER PARK**  
Middle Corridor, South Portion

## OLIN

LANDSCAPE ARCHITECTURE AND URBAN DESIGN  
PUBLIC WORKS DIVISION, STATE OF CONNECTICUT  
100 SOUTH BRIDGE STREET, SUITE 100  
MILFORD, CT 06460  
TEL: 203.261.1000 / FAX: 203.261.1001  
WWW.OLIN-CT.COM

**CONSULTANTS:**  
Civil Engineers/Stamford  
Management: Nitsch Engineering, Inc.  
2 Center Plaza, Suite 430  
Boston, MA 02108  
617.338.0063

Irrigation Design:  
Northern Designs, LLC  
2089 Hartford Turnpike  
North Haven, CT 06473  
203.239.2710

Lighting Designer:  
Tillett Lighting Design Inc.  
172 North 11th Street, Studio 5  
Brooklyn, NY 11211  
718.218.6578

Restoration Ecologist:  
Habitat by Design  
74 Stagecoach Road  
Pipersville, PA 18947  
610.294.9400

Structural/MEP Engineers:  
Stantec  
5 Burlington Woods  
Burlington, MA 01803  
781.221.1079

Geotechnical Engineers:  
GZA GeoEnvironmental, Inc.  
530 Broadway  
Providence, RI 02909  
401.421.4140

Cost Estimator:  
Becker & Frondorf  
1500 Walnut Street, Suite 190  
Philadelphia, PA 19102  
215.772.1400

No	Issue	Date

Scale:

Job No: 1532.26 Drawn By: AS  
Scale: NTS Checked By: PS

Date: 24 FEB 2017  
Drawing Title:

**TAX ASSESSOR MAP**

Drawing No:

00.1











LANDSCAPE ARCHITECTURE AND URBAN DESIGN  
PUBLIC LEADER BUILDING, SUITE 102  
180 SOUTH INDEPENDENCE MALL WEST  
PHILADELPHIA, PA 19106  
TEL. 215-440.0080 / FAX 215-440.0041  
WWW.THESTUDIOXO.COM

**CONSULTANTS:**  
Civil Engineers/Stormwater  
Management: Nitsch Engineering, Inc.  
2 Center Plaza, Suite 430  
Boston, MA 02108  
617-338-0063

Irrigation Design:  
Northern Designs, LLC.  
2089 Hartford Turnpike  
North Haven, CT 06473  
203 239-2710

Lighting Designer:  
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172 North 11th Street, Studio 5  
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Stantec  
5 Burlington Woods  
Burlington, MA 01803  
781 221-1079

**Geotechnical Engineers:**  
GZA GeoEnvironmental, Inc  
530 Broadway  
Providence, RI 02909  
401 421-4140

Cost Estimator:  
Becker & Frondorf  
1500 Walnut Street, Suite 190  
Philadelphia, PA 19102  
215 772-1400


$$1/16'' = 1'-0''$$

$$1/16'' = 1'-0''$$
[illegible]

Seals:

Job No: 1532.26	Drawn By: AS
Scale: AS SHOWN	Checked By: D
Date: 24 FEB 2017	

Drawing Title:

## SECTIONS

Drawing No:

L-700





Boulder Size	X	Y	Z
Size A	3'-0" - 5'-0"	4'-0" - 6'-0"	1'-6"
Size B	4'-0"-6'-0"	6'-0"-8'-0"	2'-0"
Size C	5'-0" - 7'-0"	6'-0" - 8'-0"	2'-6" - 3'-0"

NOTE: LAYOUT OF BOULDERS TO BE STAKED OUT IN FIELD BY CONTRACTOR AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. NO BLASTED ROCK.



LANDSCAPE ARCHITECTURE AND URBAN DESIGN  
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WWW.THEOLDESTUDIO.COM

**CONSULTANTS:**  
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Management: Nitsch Engineering, Inc.  
2 Center Plaza, Suite 430  
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Providence, RI 02909  
401 421-4140

**Cost Estimator:**  
Becker & Frondorf  
1500 Walnut Street, Suite 190  
Philadelphia, PA 19102  
215 772-1400

[illegible]

Seals:

Job No: 1532.26	Drawn By: AS
Scale: AS SHOWN	Checked By: D
Date: 24 FEB 2017	
Drawing Title:	

Drawing Title:

## DETAILS

Drawing No:

L-800



DIVISION STREET

RICHMOND HILL AVE

1951




**DIVISION STREET**

**RICHMOND HILL AVE**

**1970**





TRESSER BLVD

DIVISION STREET

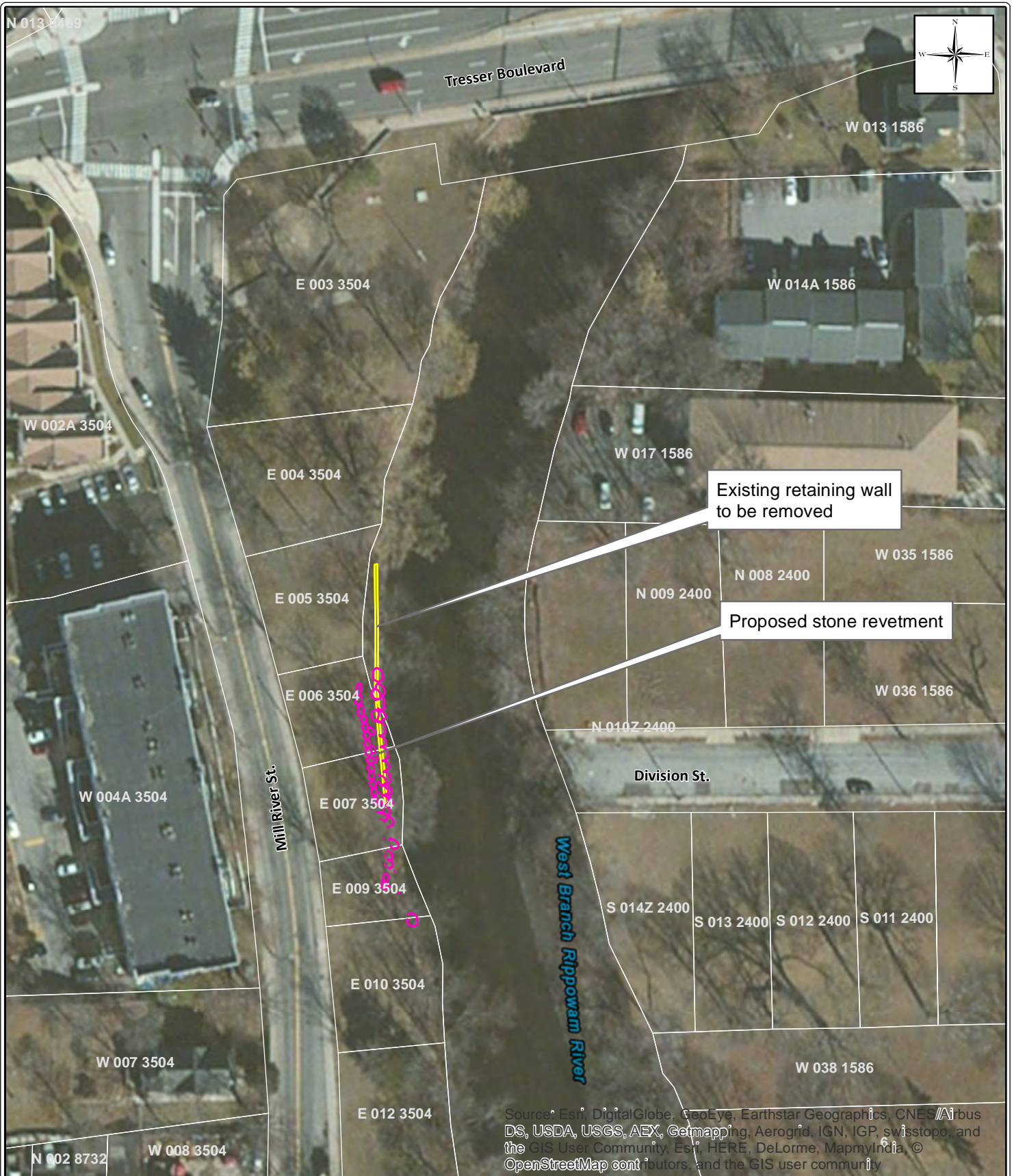
1985

An aerial photograph of a residential neighborhood. A yellow rectangle is drawn on the left side of the image, highlighting a specific area. The rectangle is oriented vertically and covers a portion of a residential block. The surrounding area includes houses, trees, and a road. The text 'TRESSER BLVD' is visible in the upper left, and 'DIVISION STREET' is visible in the center. The year '1990' is in the bottom right corner.

**TRESSER BLVD**

**DIVISION STREET**

**1990**



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community



99 Realty Drive  
Cheshire, Connecticut 06410  
(203) 271-1773 Fax: (203) 272-9733  
www.miloneandmacbroom.com

## TAX ASSESSOR'S MAP

### MILL RIVER LINEAR PARK - PHASE III COP APPLICATION

TRESSER BLVD TO RICHMOND HILL AVE  
STAMFORD, CONNECTICUT

SOURCE: 2004 AERIAL PHOTO, CTDEEP, 2006

DATE: OCTOBER 28, 2016

SCALE: 1"=80'

PROJ. NO.: 1535-55/4991-02

DESIGNED OLIN	DRAWN BAM	CHECKED JAG
------------------	--------------	----------------

DRAWING NAME:

## Tax Figure

**Attachment C: Abutting Property Owners**  
**Permit Application for Programs Administered by the Office of Long Island Sound Programs**  
**Mill River Restoration Project**  
**Stamford, Connecticut**

**LIST OF ABUTTING PROPERTY OWNERS WITH PARCEL ID**

The following list is inclusive of all properties adjacent to the proposed Mill River improvements between Tresser Boulevard and Richmond Hill Avenue.

<b>MAP/BLOCK/LOT PARCEL ID#</b>	<b>OWNER/PROPERTY ADDRESS</b>	<b>MAILING ADDRESS</b>
E 004 3504	City of Stamford 117 Clinton Avenue	888 Washington Boulevard Stamford, CT 06901
E 005 3504	City of Stamford 117 Clinton Avenue	888 Washington Boulevard Stamford, CT 06901
E006 3504	City of Stamford 117 Clinton Avenue	888 Washington Boulevard Stamford, CT 06901
E 007 3504	City of Stamford 117 Clinton Avenue	888 Washington Boulevard Stamford, CT 06901
E 009 3504	City of Stamford 117 Clinton Avenue	888 Washington Boulevard Stamford, CT 06901
E 010 3504	City of Stamford 117 Clinton Avenue	888 Washington Boulevard Stamford, CT 06901
E 012 3504	City of Stamford 117 Clinton Avenue	888 Washington Boulevard Stamford, CT 06901

**Part III: Applicant Information (continued)**

- 7. List all engineer(s), surveyor(s) and/or other consultant(s) employed or retained to assist in preparing the application and designing or constructing the activity.**

Name: **Olin Partnership, Ltd.**

Mailing Address: **Public Ledger Building, Suite 1123, 150 South Independence Mall West**

City/Town: **Philadelphia** State: **PA** Zip Code: **19106**

Business Phone: **215-440-0030**

Contact Person: **Demetrios Staurinos, RLA** Title: **Associate**

E-mail: **dstaurinos@theolinstudio.com**

Service Provided: **Design of Mill River Park middle corridor improvements**

Name: **D'Andrea Engineering & Surveying, PC**

Mailing Address: **6 Neil Lane**

City/Town: **Riverside** State: **CT** Zip Code: **06878**

Business Phone: **203-637-1779**

Contact Person: **Leonard C. D'Andrea, P.E.**

E-mail: **lcd@rvdi.com**

Service Provided: **Survey of project area**





Connecticut Department of  
Energy & Environmental Protection

## Applicant Background Information

Check the box by the entity which best describes the applicant and complete the requested information.  
**You must choose one of the following: corporation, limited liability company, limited partnership, general partnership, voluntary association and individual or business type.**

☐

### Corporation

☐

Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. Parent Corporation

Name: **N/A**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

2. Subsidiary Corporation:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

3. Directors:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

4. Officers:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:



## Applicant Background Information (continued)

☐ **Limited Liability Company**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. List each member.

Name: **N/A**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

2. List any manager(s) who, through the articles of organization, are vested the management of the business, property and affairs of the limited liability company.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

## Applicant Background Information (continued)

☐ **Limited Partnership**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. General Partners:

Name: **N/A**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

2. Limited Partners:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

## Applicant Background Information (continued)

☐ **General Partnership**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. General Partners:

Name: **N/A**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

## Applicant Background Information (continued)

☐ **Voluntary Association**

☐ Check box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. List authorized persons of association or list all members of association.

Name: **N/A**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

☒ **Individual or Other Business Type**

☐ Check the box, if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. Name: **City of Stamford, Land Use Bureau**

Mailing Address: 888 Washington Blvd

City/Town: Stamford

State: CT

Zip Code: 06901

Business Phone: 203-977-4714

ext.:

E-mail: rblessing@stamfordct.gov

2. State other names by which the applicant is known, including business names.

Name:



**Connecticut Department of  
Energy & Environmental Protection**

## Applicant Compliance Information

DEEP ONLY

App. No. \_\_\_\_\_

Co./Ind. No. \_\_\_\_\_

**Applicant Name: City of Stamford**

**Mailing Address: c/o Land Use Bureau, 888 Washington Boulevard**

**City/Town: Stamford**

**State: CT**

**Zip Code: 06901**

**Business Phone: 203-977-4714**

**ext.:**

**Contact Person: Ralph Blessing**

**Phone: 203-977-4714 ext.**

**\*E-mail: rblessing@stamfordct.gov**

If you answer yes to any of the questions below, you must complete the Table of Enforcement Actions on the reverse side of this sheet as directed in the instructions for your permit application.

- A. During the five years immediately preceding submission of this application, has the applicant been convicted in any jurisdiction of a criminal violation of any environmental law?
- ☐ Yes ☒ No
- B. During the five years immediately preceding submission of this application, has a civil penalty been imposed upon the applicant in any state, including Connecticut, or federal judicial proceeding for any violation of an environmental law?
- ☐ Yes ☒ No
- C. During the five years immediately preceding submission of this application, has a civil penalty exceeding five thousand dollars been imposed on the applicant in any state, including Connecticut, or federal administrative proceeding for any violation of an environmental law?
- ☐ Yes ☒ No
- D. During the five years immediately preceding submission of this application, has any state, including Connecticut, or federal court issued any order or entered any judgement to the applicant concerning a violation of any environmental law?
- ☐ Yes ☒ No
- E. During the five years immediately preceding submission of this application, has any state, including Connecticut, or federal administrative agency issued any order to the applicant concerning a violation of any environmental law?
- ☐ Yes ☒ No

### Table of Enforcement Actions

(1) Type of Action	(2a) Date Commenced	(2b) Date Terminated	(3) Jurisdiction	(4) Case/Docket/ Order No.	(5) Description of Violation
Consent Order		3/11/2003	CT DEEP		Failure to file SCEL permit application
NOV		6/28/2004	CT DEEP		Failure to obtain approval for disruption of closed solid waste disposal area
Enforcement Action		3/2/2006	EPA		Violation of oil spill prevention regulations
Consent Order			CT DEEP	COWSUS 03-008	Maintenance of underground storage tanks at two locations

☐ Check the box if additional sheets are attached. Copies of this form may be duplicated for additional space.



**TO: Stamford Harbor Management  
Commission**City Hall  
888 Washington Boulevard  
Stamford, CT 06901**PHONE: 203-977-4140****DATE: March 23, 2017****JOB #:** 4991-02-06**Attention:****RE:** Certificate of Permission Application  
Mill River Park Collaborative  
Mill River Linear Park  
Tresser Blvd to Richmond Hill Ave.  
Stamford, CT**METHOD OF DELIVERY:**☐ FedEx \_\_\_\_\_  
(please indicate type)☐ Regular Mail☐ Pick Up☐ Electronic Copy☒ Certified/Return Receipt☐ Delivery**WE ARE SENDING YOU:**☐ Shop Drawings☐ Prints☐ Plans☐ Samples☐ Specifications☐ Copy of Letter☐ Change Order☐ Permit Application☐ Other \_\_\_\_\_

Copies	Date	No./Action	Description
1	3/23/2017	1	COP Application for modifications to existing west bank revetment (Mill River)

**THESE ARE TRANSMITTED:**☐ For Approval☐ Make Corrections Noted☒ For your use☐ Not Acceptable – Revise & Resubmit☐ Rejected☐ As Requested☐ For Information Only – Review Waived☐ Resubmit for Record☐ For review and comment☐ Other \_\_\_\_\_**REMARKS:**

In accordance with the COP application requirements, enclosed please find a copy of the application which will be submitted to the CT DEEP for approval.

**COPY TO:****SIGNED:**

Becky Meyer

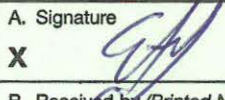
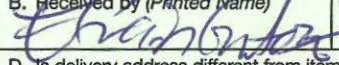
**If enclosures are not as noted, kindly notify us at once.**

Milone &amp; MacBroom, Inc.


99 Realty Drive, Cheshire, Connecticut 06410

(203) 271-1773

MiloneandMacBroom.com

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		A. Signature  <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:  Stamford Harbor Management Commission City Hall, 888 Washington Boulevard Stamford, CT 06901		B. Received by (Printed Name)  C. Date of Delivery	
2. Article Number (Transfer from service label)		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
		7016 0910 0001 5263 9330	
PS Form 3811, July 2013		Domestic Return Receipt	

7016 0910 0001 5263 9330

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<b>OFFICIAL USE</b>	
Certified Mail Fee \$ 3.35	
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<input checked="" type="checkbox"/> Return Receipt (hardcopy) \$ 2.75	
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<input type="checkbox"/> Adult Signature Restricted Delivery \$	
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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

## Scott Bighinatti

---

**From:** Jeanine Gouin  
**Sent:** Tuesday, May 16, 2017 10:50 AM  
**To:** 'kristal.kallenberg@ct.gov'  
**Cc:** 'rblessing@stamfordct.gov'; Nia Rhodes Jackson (nia@millriverpark.org); 'Mike Stake'; 'Laura Heckman'  
**Subject:** COP Application #201702962  
**Attachments:** E\_background\_app.pdf; F\_compliance\_form.pdf; Harbor Mgmt Certified Mail.pdf

Kristal,

I am in receipt of your email dated May 15, 2017 to Ralph Blessing at the City of Stamford regarding COP Application #201702962 – Mill River Park between Tresser Boulevard and Richmond Hill Avenue. Each of your comments/requests are addressed below:

Attachment D – Attachment D is the completed *Request for Natural Diversity Data Base Request State Listed Species Review* and the NDDDB response. The project area is not located in an area of known (i.e. mapped) state listed species, nor is it intersected by any such mapped area. Therefore, it is our understanding that a *Request for Connecticut Natural Diversity Base State Listed Species Review* (DEP-APP-007) is not required and thus was not submitted. This is consistent with the directions in Part IV, item 3 of the application form. Please advise if you need anything further relative to NDDDB documentation.

Attachments E and F – Attachments E and F are attached to this email, with my apologies for their omission. I'm not sure why they were not included with our initial filing.

Stamford Harbor Management Commission – As required, a copy of the COP application was mailed to the Stamford Harbor Management Commission. Attached to this email is a scan of the Certified Mail Receipt indicating receipt on March 23, 2017. No comments have been received to date.

Equipment and Machinery – The removal of the stone masonry revetment as well as the placement of armoring, new retaining wall, scuppers, and vegetative plantings will be accomplished from land with the use of conventional equipment, including a small excavator or backhoe, a front-end loader, and a dump truck for hauling material to and from the site. The proposed features will occur landward of the historic structure and appropriate erosion and sedimentation controls will be implemented as detailed in the application materials.

Finally, please be advised that the Milone & MacBroom, Inc. contact should be changed from Becky Meyer to me.

I hope this information satisfies your request for additional information. Please let us know if you require anything further to process the application. Thanks and have a great day.

~Jeanine

**Jeanine Armstrong Gouin, P.E.**  
Vice President, Managing Director



99 Realty Drive / Cheshire, Connecticut, 06410  
203.271.1773 Ext. 271 / 203.272.9733 (Fax)  
[www.miloneandmacbroom.com](http://www.miloneandmacbroom.com)

 Please consider the environment before printing this e-mail.



**DEPARTMENT OF THE ARMY**  
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS  
696 VIRGINIA ROAD  
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO  
ATTENTION OF

May 2, 2017

Regulatory Division  
File Number: NAE-2016-00253

APPLICANT: City of Stamford, c/o Land Use Bureau, 888 Washington Blvd., Stamford, CT 06901

PROPOSED WORK/LOCATION: Mill River Linear Park, between Tresser Blvd. and Richmond Hill Avenue, Stamford, CT. Coordinates: LAT: 41.04947, LONG: -73.546

We have reviewed your application for a permit submitted to CT DEEP concerning your proposal to perform work. Since your project may have only minimal individual and cumulative impacts on waters and wetlands of the United States, it is authorized by the Corps of Engineers under the attached Connecticut General Permits (GPs). This authorization becomes valid once you have obtained all necessary local and state approvals.

General Condition 36 provides for an additional one year for completion of work that has commenced prior to the expiration of the GPs on August 19, 2021. For work within Corps jurisdiction that is not completed by August 19, 2022, you will need to refer to any reissued GPs to see if your project is still authorized. If it is no longer authorized, you must notify this office and receive written authorization before you can proceed.

If you have any questions, please contact me at (978) 318-8831.



Sincerely,

Diane M. Ray  
Senior Project Manager  
Regulatory Division

Attachment

Copy furnished:  
CT DEEP, Chief, Land & Water Resources Division – via email

Becky Meyer, Milone & MacBroom, Inc. – via email at [bmeyer@mminc.com](mailto:bmeyer@mminc.com)







US Army Corps of Engineers  
BUILDING STRONG.

## Errata sheet for the Connecticut General Permits April 26, 2017

The Corps of Engineers, New England District, has compiled this list of corrections and clarifications for the Connecticut General Permits that were issued on August 19, 2016. We may update this list periodically. Please contact Diane M. Ray at [diane.m.ray@usace.army.mil](mailto:diane.m.ray@usace.army.mil) or at (9778-318-8831) with any questions or suggestion.

1. Replaced "Not authorized" description in Appendix A – General Permits, GP 7 with the following:

**Not authorized under GP 7 are:** (a) New dredging with >1000 SF of impacts to intertidal areas or saltmarsh or >100 SF of impacts to vegetated shallows; (b) Maintenance dredging and/or disposal with >1/2 acre of impacts to tidal Special Aquatic Sites (SAS); (c) new dredging where the primary purpose is sand mining for beach nourishment; (d) Beach scraping; (e) Rock removal and relocation for navigation >1/2 acre; or (f) blasting.

2. Added the following General Condition for clarity:

**General Condition 37.** Use of Multiple General Permits. The use of more than one GP for a single and complete project is prohibited, except when the acreage loss of waters of the United States authorized by the GPs does not exceed the acreage limit of the GP as specified. For example, if a road crossing over inland waters is constructed under GP 18, with an associated utility line crossing authorized by GP 6, the maximum acreage loss of waters of the United States for the total project cannot exceed 1 acre.





**Applicant: General Public, State of Connecticut**

**Effective Date: August 19, 2016**

**Expiration Date: August 19, 2021**

**DEPARTMENT OF THE ARMY  
GENERAL PERMITS FOR THE  
STATE OF CONNECTICUT  
&  
LANDS LOCATED WITHIN THE  
BOUNDARIES OF AN INDIAN RESERVATION<sup>1</sup>**

The New England District of the U.S. Army Corps of Engineers (Corps) hereby issues twenty-one (21) General Permits (GPs), listed below, for activities subject to Corps jurisdiction in waters of the United States (U.S.), including navigable waters, within boundaries of the State of Connecticut and lands located within the boundaries of an Indian reservation. These GPs are issued in accordance with Corps regulations at 33 CFR 320 - 332 [see 33 CFR 325.5(c)(1)], and authorizes activity-specific categories of work that are similar in nature and cause no more than minimal individual and cumulative adverse environmental impacts. These GPs will provide protection to the aquatic environment and the public interest while effectively authorizing activities that have no more than minimal individual and cumulative adverse environmental effects.

**GENERAL CRITERIA**

In order for activities to qualify for these GPs, they must meet the terms and eligibility criteria and stipulations listed in Appendix A – General Permits as well as the Appendix B General Conditions.

Projects may qualify for the following:

- Self-Verification (inland) - Self -Verification Notification Form (SVNF) is required
- Self-Verification (coastal) - SVNF NOT required. Corps relies on CT DEEP, OLISP submittals.
- Pre-Construction Notification (PCN) -
  - Inland - Application to and written approval from the Corps is required.
  - Coastal - Notification to Corps provided by CT DEEP, OLISP or by applicants as necessary. Written approval from the Corps is required.

If your project is ineligible for Self-Verification (SV), it may be screened under PCN or may require an Individual Permit. The thresholds for activities eligible for Self-Verification and PCN are defined in Appendix A. These GPs do not affect the Corps Individual Permit review process or activities exempt from Corps regulation.

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<sup>1</sup> Indian reservation lands are considered a sovereign nation, and are therefore acknowledged separately from the State of Connecticut for purposes of this General Permit.

## **Connecticut General Permits**

An activity is authorized under GPs 1-21 below only if that activity and the permittee satisfy all of the GP's terms and conditions.

1. Aids to navigation & temporary recreational structures
2. Repair or maintenance of existing currently serviceable, authorized or grandfathered structures/fills, removal of structures
3. Moorings
4. Pile-supported structures & floats, including boat lifts/hoists and other miscellaneous Structures & work
5. Boat ramps and marine railways
6. Utility line activities
7. Dredging, transport & disposal of dredged material, beach nourishment, rock removal & rock relocation
8. Discharges of dredged or fill material incidental to the construction of bridges
9. Shoreline and bank stabilization projects
10. Aquatic habitat restoration, establishment and enhancement activities
11. Fish and wildlife harvesting activities
12. Oil spill and hazardous material cleanup
13. Cleanup of hazardous and toxic waste
14. Scientific measurement devices
15. Survey activities
16. Aquaculture projects and fisheries
17. New/expanded developments & recreational facilities
18. Linear transportation projects – wetland crossings only
19. Stream, river & brook crossings (not including wetland crossings)
20. Energy generation and renewable energy generation facilities and hydropower projects
21. Temporary fill not associated with any other GP activities

**SECTION 1**  
**REVIEW CATEGORIES AND APPLICATION PROCEDURES FOR PROJECTS WITHIN  
NON-TIDAL WATERS AND WETLANDS WITHIN THE STATE OF CONNECTICUT AND  
LANDS LOCATED WITHIN AN INDIAN RESERVATION**

**I. ACTIVITIES COVERED:**

The discharge of dredged or fill material into Waters of the United States, which is regulated by the Corps under Section 404 of the Clean Water Act (CWA), see 33 CFR 328.

**II. REVIEW PROCESS:**

**1. State and Local Approvals:**

In order for authorizations under these GPs to be valid and before commencing any work within Corps jurisdiction, applicants must apply for and obtain State Water Quality Certification as well as any local approvals (see **General Condition 1**):

**Water Quality Certification (WQC)** under Section 401 of the Federal CWA (33 USC Sec. 1341). Section 401(a)(1) of the Clean Water Act requires that applicants obtain a WQC or waiver from the state water pollution control agency which in Connecticut is the Connecticut Department of Energy and Environmental Protection (CT DEEP) or U.S. EPA for Indian reservation lands to discharge dredged or fill material into waters of the U.S. (see **attached Water Quality Certification and table**).

The CT DEEP, Inland Water Resources Division (CT DEEP IWRD) has conditionally granted WQC for Self-Verification (SV) activities in inland wetlands and waterways provided those activities meet the criteria as contained in the attached **Appendix A – General Permits** document.

The CT DEEP- IWRD has granted WQC with terms, limitations and conditions specified therein.

The CT DEEP- IWRD has waived WQC for GP 12, GP 13, GP 14, and GP 15.

The U.S. EPA granted WQC for Self-Verification and PCN activities located on lands within the boundaries of an Indian Reservation.

**2. General Permit Review Categories:**

**a. Self-Verification – An application to the Corps is NOT required. However, submittal of the attached Self-Verification Notification Form at Appendix E to the Corps and CT DEEP, IWRD is required prior to commencement of work authorized by these GPs.**

**Eligibility Criteria**

Activities in Connecticut and lands located within the boundaries of an Indian reservation that meet the following criteria are eligible under Self-verification of this General Permit:

- are subject to Corps jurisdiction (See **General Condition 2**),
- meet the criteria of Self-Verification in the attached **Appendix A - General Permits**, and
- meet the General Conditions of the GPs.

Project proponents seeking Self-Verification authorizations must comply with the General Conditions and other federal laws such as the National Historic Preservation Act, the Endangered Species Act (ESA) and the Wild and Scenic Rivers Act. Therefore, consultation with the Corps and/or outside experts, such as the State Historic Preservation Office and any appropriate Indian tribes, is recommended when there is a high likelihood of the presence of resources of concern.

**b. Pre-Construction Notification (PCN) – An application to the Corps is required.**

Projects not eligible under Self-Verification of the GPs may be screened under PCN, provided they meet the criteria as defined in the attached **Appendix A – General Permits** for PCN activities.

**Eligibility Criteria**

Activities in Connecticut and lands located within an Indian reservation that meet the following criteria are eligible under PCN of this General Permit:

- are subject to Corps jurisdiction (See **General Condition 2**),
- meet the criteria of PCN in the attached **Appendix A – General Permits**, and
- meet the General Conditions of the GPs.

**3. Applying for an authorization through the PCN process:**

Applicants must also submit two copies of the following to the Corps, on a CD if available and hard copy:

- Corps application form (ENG Form 4345) found at <http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits/ObtainPermit.aspx>
- 8.5" x 11" or 11" x 17" drawings and one large-scale drawing,
- wetlands functions and values assessment,
- Federal wetland delineation documentation (data sheets),
- The CT DEEP addendum found at: [http://www.ct.gov/deep/lib/deep/Permits\\_and\\_Licenses/LandUse\\_General\\_Permits/Inland\\_Water\\_General\\_Permits/CT\\_addendum\\_app.pdf](http://www.ct.gov/deep/lib/deep/Permits_and_Licenses/LandUse_General_Permits/Inland_Water_General_Permits/CT_addendum_app.pdf)
- Correspondence with the State Historic Preservation Office and Tribal Historic Preservation Officer indicating coordination with these entities along with a completed CT SHPO Form. The CT SHPO Form is available on the CT SHPO website under Historic Preservation – Environmental Review at [http://www.cultureandtourism.org/cct/lib/cct/Project\\_Notification\\_Form\\_final.pdf](http://www.cultureandtourism.org/cct/lib/cct/Project_Notification_Form_final.pdf)
- a plan describing any proposed mitigation along with an Invasive Species Control Plan.



Applicants must concurrently submit three copies of the following to the CT DEEP at the address below:

- the Corps application form,
- 8.5" x 11" or 11" x 17" drawings and one large-scale drawing,
- wetlands functions and values assessment,
- Federal wetlands delineation documentation (data sheets),
- CT DEEP addendum, and
- a plan describing any proposed mitigation.

**State of Connecticut  
Department of Energy & Environmental Protection  
Central Permit Processing Unit  
79 Elm Street  
Hartford, CT 06106-5127**

**NOTE: Applicants must submit all project revisions and modifications to both agencies.**

The Corps will coordinate review of all PCN activities with federal and state agencies to ensure that the proposed activity results in no more than a minimal impact to the aquatic environment. To be eligible and subsequently authorized, an activity must meet the eligibility criteria in **2. General Permit Review Categories** above and result in no more than minimal impacts to the aquatic environment as determined by the Corps in conjunction with the interagency review team which consists of federal and state resource agencies. This may require project modifications involving avoidance, minimization, and/or compensatory mitigation for unavoidable impacts to ensure the net effects of a project are minimal.

**Written approval from the Corps for PCN activities is required before work can commence.**

**Emergency Situation Procedures:** 33 CFR 325.2 (e) (4) states that an "emergency" is a situation which would result in an unacceptable hazard to life, a significant loss of property, or an immediate, unforeseen and significant economic hardship if corrective action requiring a permit is not undertaken within a time period less than the normal time needed to process the application under standard procedures." Notification to the Corps and CT DEEP – IWRD is required. The Corps will determine if a project qualifies as an emergency and will work with all applicable agencies to expedite authorization in emergency situations. If the project qualifies as an emergency, authorization under Self-verification or PCN of the GPs is not required.

**Individual Permit Procedures:** Work that is NOT eligible for authorization under the GPs as defined in the attached **Appendix A – General Permits**, or that does not meet the terms and conditions of the GPs, will require review under the Corps Individual Permit procedures (see 33 CFR Part 325.1). The applicant shall submit the appropriate application materials (including the Corps ENG 4345 application form) to the Corps of Engineers. General information and application forms can be obtained at the Corps web site noted in Paragraph 3 above. An individual Water Quality Certification is required from the CT DEEP, IWRD. **The application form and instructions for Section 401 Water Quality Certification are available from the Connecticut DEEP web site at** [http://www.ct.gov/deep/cwp/view.asp?a=2709&q=324168&depNav\\_GID=1643](http://www.ct.gov/deep/cwp/view.asp?a=2709&q=324168&depNav_GID=1643).



**TABLE 1. CONNECTICUT WATER QUALITY CERTIFICATION**  
**Water Quality Certification – Non-Tidal Waters, Wetlands, and Watercourses \***  
**Department of the Army - General Permits for the State of Connecticut**  
**WQC-201607149**  
**Page 1 of 5**

	Self-Verification (SV)	Pre-Construction Notification (PCN)
<b>GP 2. Repair or Maintenance of Existing Currently Serviceable, Authorized or Grandfathered Structures &amp; Fills, Removal of Structures</b>	<p>Granted subject to the following restriction:</p> <ul style="list-style-type: none"> <li>• Drawdown does not exceed 18 months and one growing season (April through September)</li> </ul> <p>Stream, river, brook or other watercourse crossings are not eligible for Section 401 Water Quality Certification under GP 2. (See GP 19.)</p> <p>Culvert slip-lining is not eligible for Section 401 Water Quality Certification under GP2. (See GP 19.)</p>	<p>Granted for impacts not exceed 0.5 acre, subject to the following restriction:</p> <ul style="list-style-type: none"> <li>• Drawdown does not exceed 18 months and one growing season (April through September)</li> </ul> <p>Stream, river, brook or other watercourse crossings are not eligible for Section 401 Water Quality Certification under GP 2. (See GP 19.)</p>
<b>GP 5. Boat Ramps &amp; Marine Railways</b>	Granted	Granted for impacts not exceeding 0.5 acre.
<b>GP 6. Utility Line Activities</b>	Granted	<p>Granted for activities that receive written approval from the Connecticut Department of Energy and Environmental Protection (CT DEEP) through a formal cooperative state interagency screening process jointly conducted by the Connecticut Department of Transportation (CT DOT) and CT DEEP.</p> <p>Granted for activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) that receive written approval through a formal cooperative CT DEEP intra-agency screening process.</p> <p><b>Other activities with impacts exceeding 0.5 acre require individual (regular) Section 401 Water Quality Certification.</b></p>
<b>GP 9. Shoreline &amp; Bank Stabilization Projects</b>	<p>Granted for shoreline and banks stabilization activities that receive written approval from the Connecticut Department of Energy and Environmental Protection (CT DEEP) through a formal cooperative state interagency screening process jointly conducted by the Connecticut Department of Transportation (CT DOT) and CT DEEP.</p> <p>Granted for shoreline and bank stabilization activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) that receive written approval through a formal cooperative CT DEEP intra-agency screening process.</p> <p><b>Other shoreline stabilization activities exceeding 50 feet in length are not eligible for Section 401 Water Quality Certification under SV.</b></p> <p><b>Other stream, river, or brook bank stabilization activities exceeding 50 feet in total length for one stream bank or 50 feet cumulative length for both stream banks are not eligible for Section 401 Water Quality Certification under SV.</b></p> <p><b>Activities that include the placement of fill within the streambed beyond the toe of slope of the stream bank are not eligible for Section 401 Water Quality Certification under SV.</b></p>	<p>Granted for activities that receive written approval from the Connecticut Department of Energy and Environmental Protection (CT DEEP) through a formal cooperative state interagency screening process jointly conducted by the Connecticut Department of Transportation (CT DOT) and CT DEEP.</p> <p>Granted for activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) that receive written approval through a formal cooperative CT DEEP intra-agency screening process.</p> <p><b>Other shoreline stabilization activities exceeding 100 feet in total length require individual (regular) Section 401 Water Quality Certification.</b></p> <p><b>Other stream, river, or brook bank stabilization activities exceeding 100 feet in total length for one stream bank or 100 feet cumulative length for both stream banks require individual (regular) Section 401 Water Quality Certification.</b></p>

**TABLE 1. CONNECTICUT WATER QUALITY CERTIFICATION**  
**Water Quality Certification – Non-Tidal Waters, Wetlands, and Watercourses \***  
**Department of the Army - General Permits for the State of Connecticut**  
**WQC-201607149**  
**Page 2 of 5**

	Self-Verification (SV)	Pre-Construction Notification (PCN)
<b>GP 10. Aquatic Habitat Restoration, Establishment &amp; Enhancement Activities</b>	<p>Granted for activities that receive written approval from the Connecticut Department of Energy and Environmental Protection (CT DEEP) through a formal cooperative state interagency screening process jointly conducted by the Connecticut Department of Transportation (CT DOT) and CT DEEP.</p> <p>Granted for activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) or by a federal environmental resource management agency that receive written approval through a formal cooperative CT DEEP intra-agency screening process.</p> <p><b>Other activities are not eligible for Section 401 Water Quality Certification under SV.</b></p>	Granted
<b>GP 11. Fish &amp; Wildlife Harvesting Activities</b>	Granted	Granted
<b>GP 12. Oil Spill &amp; Hazardous Material Cleanup</b>	Waived	Waived
<b>GP 13. Cleanup of Hazardous &amp; Toxic Waste</b>	Waived	Waived
<b>GP 14. Scientific Measurement Devices</b>	Waived	Waived
<b>GP 15. Survey Activities</b>	Waived	Waived
<b>GP 17. New/Expanded Developments &amp; Recreational Facilities</b>	<p>Granted, except as noted below.</p> <p><b>New roadway and driveway crossings in wetlands are not eligible for Section 401 Water Quality Certification under GP 17. (See GP 18.)</b></p> <p><b>Stream, river, brook or other watercourse crossings are not eligible for Section 401 Water Quality Certification under GP17. (See GP 19.)</b></p>	<p>Granted for activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) that receive written approval through a formal cooperative state intra-agency screening process.</p> <p><b>Other activities with impacts exceeding 0.5 acre require individual (regular) Section 401 Water Quality Certification.</b></p> <p><b>New roadway and driveway crossings in wetlands are not eligible for Section 401 Water Quality Certification under GP 17. (See GP 18.)</b></p> <p><b>Stream, river, brook or other watercourse crossings are not eligible for Section 401 Water Quality Certification under GP 18. (See GP 19.)</b></p>

**TABLE 1. CONNECTICUT WATER QUALITY CERTIFICATION**  
**Water Quality Certification – Non-Tidal Waters, Wetlands, and Watercourses \***  
**Department of the Army - General Permits for the State of Connecticut**  
**WQC-201607149**  
**Page 3 of 5**

	Self-Verification (SV)	Pre-Construction Notification (PCN)
<b>GP 18. Linear Transportation Projects – Wetland Crossings Only</b>	<p align="center">Granted</p> <p>Stream, river, brook or other watercourse crossings are not eligible for Section 401 Water Quality Certification under GP 18. (See GP 19.)</p>	<p>Granted for activities that receive written approval from the Connecticut Department of Energy and Environmental Protection (CT DEEP) through a formal cooperative state interagency screening process jointly conducted by the Connecticut Department of Transportation (CT DOT) and CT DEEP.</p> <p>Granted for activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) that receive written approval through a formal cooperative CT DEEP intra-agency screening process.</p> <p><b>All other activities with impacts exceeding 0.5 acre require individual (regular) Section 401 Water Quality Certification.</b></p> <p><b>Stream, river, brook or other watercourse crossings are not eligible for Section 401 Water Quality Certification under GP 18. (See GP 19.)</b></p>
<b>GP 19. Stream, River &amp; Brook Crossings (Not Including Wetland Crossings)</b>  Continued on next page	<p>Granted for stream, river or brook crossings that receive written approval from the Connecticut Department of Energy and Environmental Protection (CT DEEP) through a formal cooperative state interagency screening process jointly conducted by the Connecticut Department of Transportation (CT DOT) and CT DEEP.</p> <p>Granted for activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) that receive written approval through a formal cooperative CT DEEP intra-agency screening process.</p> <p>Granted for all other stream, river, brook or other watercourse crossings by means of a BRIDGE or OPEN-BOTTOM STRUCTURE that meets the following standards:</p> <ul style="list-style-type: none"> <li>• spans at least 1.2 times the watercourse bank full width,</li> <li>• allows for the continuous, uninterrupted flow of the 50-year frequency storm flows,</li> <li>• no riprap is placed within or across the bed of the brook; and,</li> <li>• appurtenant stream bank stabilization does not exceed 50 feet along any upstream or downstream bank.</li> </ul> <p><b>Stream, river, brook and other watercourse crossings that do not meet the standards above are not eligible Section 401 Water Quality Certification for Self-Verification.</b></p> <p><b>Culvert slip lining is not eligible for Section 401 Water Quality Certification for Self-Verification.</b></p> <p><b>Wetland crossings are not eligible for Section 401 Water Quality Certification under GP 19. (See GP 18.)</b></p>	<p>Granted for stream, river or brook crossings that receive written approval from the Connecticut Department of Energy and Environmental Protection (CT DEEP) through a formal cooperative state interagency screening process jointly conducted by the Connecticut Department of Transportation (CT DOT) and CT DEEP.</p> <p>Granted for activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) that receive written approval through a formal cooperative CT DEEP intra-agency screening process.</p> <p><b>All other stream, river and brook crossings require individual (regular) Section 401 Water Quality Certification.</b></p> <p><b>Wetland crossings are not eligible for Section 401 Water Quality Certification under GP 19. (See GP 18.)</b></p>

**TABLE 1. CONNECTICUT WATER QUALITY CERTIFICATION**  
**Water Quality Certification – Non-Tidal Waters, Wetlands, and Watercourses \***  
**Department of the Army - General Permits for the State of Connecticut**  
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	Self-Verification (SV)	Pre-Construction Notification (PCN)
<b>GP 19. Stream, River &amp; Brook Crossings (Not Including Wetland Crossings)</b>	<p>Granted for stream, river, brook or other watercourse crossings using a culvert provided:</p> <ul style="list-style-type: none"> <li>the tributary watershed to the culvert does not exceed 1 sq. mile (640 acres);</li> <li>the culvert gradient (slope) is no steeper than the streambed gradient immediately upstream or downstream of the culvert,</li> <li>for a crossing constructed using a single box or pipe arch culvert, the inverts are set not less than 12 inches below the streambed elevation</li> <li>for a crossing constructed using multiple box or pipe arch culverts, the inverts of one of the boxes or pipe arch culverts are set not less than 12 inches below the elevation of the streambed,</li> <li>for a crossing constructed using a pipe culvert, the inverts are set such that not less than 25% of the pipe diameter or 12 inches, whichever is less, is set below the streambed elevation,</li> <li>the culvert is backfilled with natural substrate material matching upstream and downstream streambed substrate,</li> <li>the structure, including inlet and outlet protection measures, does not otherwise impede the passage of fish and other aquatic organisms, and</li> <li>the structure allows for continuous flow of the 50-year frequency storm flows</li> </ul>	
<b>GP 21. Temporary Fill Not Associated With Any Other GP Activities</b>	Granted	<p>Granted for activities that receive written approval from the Connecticut Department of Energy and Environmental Protection (CT DEEP) through a formal cooperative state interagency screening process jointly conducted by the Connecticut Department of Transportation (CT DOT) and CT DEEP.</p> <p>Granted for activities conducted or funded by the Connecticut Department of Energy and Environmental Protection (CT DEEP) that receive written approval through a formal cooperative CT DEEP intra-agency screening process.</p> <p><b>Other activities with impacts exceeding 0.25 acre require individual (regular) Section 401 Water Quality Certification.</b></p>



**TABLE 1. CONNECTICUT WATER QUALITY CERTIFICATION**  
**Water Quality Certification – Non-Tidal Waters, Wetlands, and Watercourses \***  
**Department of the Army - General Permits for the State of Connecticut**  
**WQC-201607149**  
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**\* ACTIVITIES NOT ELIGIBLE FOR SECTION 401 CERTIFICATION UNDER THIS GENERAL PERMIT CERTIFICATION**

The following activities are not eligible for Section 401 Water Quality Certification under this general permit certification and will require an individual (regular) Section 401 Water Quality Certification:

Detention or retention of stormwater in non-tidal waters, wetlands or watercourses including any watercourse or wetland crossing that by design or default functions to provide stormwater detention, and any construction of a stormwater detention or retention basin in non-tidal waters or wetlands.

Piping, boxing, enclosing or covering of a non-tidal watercourse for a purpose other than a driveway or roadway crossing.

Activities with direct, indirect or secondary impact(s) to: Special Wetlands<sup>(1)</sup>, Threatened, Endangered, or Special Concern Species<sup>(2)</sup>, Significant Natural Communities/Critical Habitats<sup>(2)</sup> identified by the Connecticut Natural Diversity Database.

Activities within a FEMA established floodplain that would adversely affect the hydraulic characteristics of the floodplain<sup>(3)</sup>.

**DEFINITIONS**

<sup>(1)</sup> **Special Wetlands:** Include vernal pools, bogs, fens, cedar swamps, spruce swamps, calcareous seepage swamps, and wetlands that provide habitat for threatened or endangered species or species of special concern as designated by the State of Connecticut Natural Diversity Database. The following definitions for bogs, calcareous seepage wetlands, cedar swamps, fens, spruce swamps, and vernal pools apply for the purposes of this GP:

**Bog:** a peat accumulating wetland dominated by sphagnum moss. Typical plant species include sphagnum moss, leatherleaf, black spruce, pitcher plant and sundew.

**Calcareous Seepage Swamp:** a forested wetland characterized by the discharge of groundwater with a chemistry influenced by an underlying limestone geology.

**Cedar Swamp:** a forested wetland characterized by the presence of Northern White Cedar or Atlantic White Cedar.

**Fen:** a peat accumulating wetland dominated by sedges and/or ericaceous shrubs. Typical plant species include low sedges, ericaceous shrubs, sphagnum and other mosses.

**Spruce Swamp:** a forested wetland characterized by the presence of Red or Black Spruce.

**Vernal Pool:** an often temporary body of water occurring in a shallow depression of natural or human origin that fills during spring rains and snow melt and typically dries up during summer months. Vernal pools support populations of species specially adapted to reproducing in these habitats. Such species may include wood frogs, mole salamanders (*Ambystoma* sp.), fairy shrimp, fingernail clams, and other amphibians, reptiles and invertebrates. Vernal pools lack breeding populations of fish. **All vernal pools are subject to the jurisdiction of the Connecticut Department of Energy and Environmental Protection under Connecticut Water Quality Standards.**

<sup>(2)</sup> **Threatened, Endangered or Special Concern Species; Significant Natural Communities/Critical Habitats:** Species listed by CT DEP pursuant to Chapter 495 of the Connecticut General Statute as threatened or endangered species or species of special concern. General locations of threatened and endangered species and species of special concern, and significant natural communities/critical habitats are identified on maps published by the Connecticut Department of Energy and Environmental Protection entitled "Natural Diversity Data Base Areas" and on the CTECO Interactive Map Viewers at [www.cteco.uconn.edu](http://www.cteco.uconn.edu).

<sup>(3)</sup> **Adverse Effect to Hydraulic Characteristics:** An adverse effect to hydraulic characteristics includes an increase in flood water surface elevation, an increase in flood flow velocity or a restriction of flood flow conveyance in a manner that would impact upstream, downstream or adjacent property.



**SECTION 2:**  
**REVIEW CATEGORIES & APPLICATION PROCEDURES FOR PROJECTS WITHIN**  
**TIDAL, COASTAL AND NAVIGABLE WATERS WITHIN THE STATE OF**  
**CONNECTICUT**

Connecticut's coastal area is statutorily defined as: all lands and waters within the municipalities of Greenwich, Stamford, Darien, Norwalk, Westport, Fairfield, Bridgeport, Stratford, Shelton, Milford, Borough of Woodmont, Orange, West Haven, New Haven, Hamden, North Haven, East Haven, Branford, Guilford, Madison, Clinton, Westbrook, Deep River, Chester, Essex, Borough of Fenwick, Old Saybrook, Lyme, Old Lyme, East Lyme, Waterford, New London, Montville, Norwich, Preston, Ledyard, Groton (city, Town and Long Point Borough), Mystic and Stonington (Town & Borough) [Section 22a-94(a) CGS].

**Navigable Waters:** Navigable waters of the United States are those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. The Connecticut River has been determined to be a navigable water of the United States. [Refer to Title 33 CFR Part 329]

**I. ACTIVITIES COVERED:**

- Work and structures that are located in, under or over any navigable water of the U.S. (defined at 33 CFR 329) that affect the course, location, condition, or capacity of such waters; or the excavating from or depositing material in navigable waters. (Regulated by the Corps under Section 10 of the Rivers and Harbors Act of 1899);
- The discharge of dredged or fill material into waters of the U.S. (defined at 33 CFR 328), which is regulated by the Corps under Section 404 of the Clean Water Act (CWA)
- The transportation of dredged material for the purpose of disposal in the ocean. The Corps regulates these activities under Section 103 of the Marine Protection, Research and Sanctuaries Act. See 33 CFR 324.

**II. REVIEW PROCESS:**

**1. Connecticut Department of Energy & Environmental Protection, Office of Long Island Sound Programs (DEEP OLISP) approvals:**

In order for authorizations under these GPs to be valid and before commencing any work within Corps jurisdiction, applicants are responsible for applying for and obtaining any of the following required State or local approvals (see **General Condition 1**):

**Water Quality Certification (WQC)** Issuance or waiver under Section 401 of the Federal CWA (33 USC Section 1341). Section 401(a)(1) of the Clean Water Act requires that applicants obtain a WQC or waiver from the state water pollution control agency (CT DEEP) or EPA for Indian reservation lands to discharge dredged or fill material into waters of the U.S.

**Coastal Zone Management Consistency (CZM)** - Concurrence under Section 307 of the Federal CZM Act of 1972, as amended. Section 307(c) of the CZM of 1972, as amended, requires applicants to obtain a certification or waiver from CT DEEP OLISP that the activity complies with the state's CZM program for activities affecting a state's Coastal Area.

Project proponents involving dredging/excavation and associated disposal within the Byram River must also coordinate with NY DOS directly to obtain a certification or waiver that the activity complies with NYDOS' CZM program. Also, all projects with disposal at any of the Long Island Sound Disposal Sites require NY DOS CZM consistency. Additional information can be found at their website: <http://www.dos.ny.gov/opd/programs/consistency/>.

## **2. Corps Authorizations:**

**a. Self-Verification (SV) – Applicants are not required to submit an Application or Appendix E to the Corps.** Instead, DEEP OLISP will forward copies of application packages and their approvals to the Corps on a weekly basis. If the Corps determines that a project meets this category, the Corps will forward verification of eligibility to the applicant.

### **Eligibility Criteria**

Activities in Connecticut and lands located within the boundaries of an Indian reservation may proceed without application or notification to the Corps if they:

- are subject to Corps jurisdiction
- meet the definition of Self-Verification in **Appendix A - General Permits**, and
- meet the General Conditions of the GPs

**Note:** Activities subject to Corps jurisdiction that are NOT regulated by the DEEP OLISP will be subject to the Pre-Construction Notification (PCN) screening requirements of the GPs as noted below.

Project proponents seeking eligibility under the SV category must comply with the General Conditions of the GPs and other federal laws such as the National Historic Preservation Act, the Endangered Species Act (ESA) and the Wild and Scenic Rivers Act. Therefore, consultation with the Corps and/or outside experts such as the State Historic Preservation Office and any appropriate Indian tribes is recommended when there is a likelihood of the presence of resources of concern.

### **b. Pre-Construction Notification (PCN) (notification/application and written authorization required)**

Projects not eligible under the SV category of the GPs may be screened under PCN category, provided they meet the criteria.



### **Eligibility Criteria**

Activities in Connecticut and lands located within the boundaries of an Indian reservation that meet the following criteria **require written approval from the Corps**:

- are subject to Corps jurisdiction,
- meet the definition of PCN in this Section, and
- meet the General Conditions of the GPs

## **3. Applying for authorization through the PCN process:**

### **a. CT DEEP, OLISP regulated activities**

**Structures and Dredging Permit Applications:** Applicants/agents shall submit to the Corps, a copy of the DEEP Permit Consultation Form for U.S. Army Corps of Engineers Review along with project plans. The Corps will then coordinate this information with the interagency review team (see paragraph 4 below) and then return the form to applicants/agents for their submission to DEEP OLISP.

**Certificates of Permission (COPs), General Permits (GPs) and Modifications:** OLISP will forward copies of application packages and approvals to the Corps. If a project is determined to meet any of the PCN activities and is complete, the Corps will coordinate these projects with the interagency review team. If the Corps determines that an Individual permit or additional information is required, the Corps will coordinate directly with the applicant/agent.

**NOTE:** For projects which involve dredging and open water disposal - Applicants/agents must submit requests for sampling plans to the DEEP, OLISP and the Corps simultaneously, along with other required information specific to dredging/open water disposal, a detailed open water disposal site alternative analysis, and a completed New York State, Department of State (NYS DOS) Federal Consistency Assessment Form found at <http://nyswaterfronts.com/downloads/pdfs/fcaf2.pdf>. Please see our website at <http://www.nae.usace.army.mil/Regulatory/> for a list of all required additional information.

### **b. Aquaculture activities regulated by the Connecticut Department of Agriculture**

This refers to marine- and land-based aquaculture activities, including associated structures regulated by the Department of Agriculture, Bureau of Aquaculture (DA/BA), Connecticut General Statutes Section 22-11h.

Applicants should apply directly to the DA/BA using the Joint Application for Aquaculture form found at: [http://www.nae.usace.army.mil/reg/Permits/CT\\_AquacultureApplication.pdf](http://www.nae.usace.army.mil/reg/Permits/CT_AquacultureApplication.pdf). The DA/BA will forward a copy of the aquaculture application package to the Corps, the State of Connecticut Department of Energy & Environmental Protection's (CT DEEP) Boating Division, Marine Fisheries Division, Office of Long Island Sound Programs (OLISP), and CT DEEP, Inland Water Resources Division (IWRD) for activities impacting inland waters.

These application packages for marine-based activities will be screened by the Corps, the Federal resource agencies, and the CT DEEP, OLISP with input from the CT DEEP Boating and Marine Fisheries Divisions. Screening will also initiate review of the application by the CT DEEP OLISP for Coastal Zone Management consistency concurrence. The CT DEEP OLISP will make a determination on the completeness of the application for CZM consistency review and/or the eligibility of the activity for state aquaculture permit exemption within 30 days from the date of the screening meeting.

#### **4. Review Procedures:**

The Corps will coordinate review of all PCN activities with federal and state agencies (interagency review team), as necessary. To be eligible and subsequently authorized, an activity must meet the eligibility criteria listed above and result in no more than minimal impacts to the aquatic environment as determined by the Corps. This may require project modifications involving avoidance, minimization, and/or compensatory mitigation for unavoidable impacts to ensure the net effects of a project are minimal. Applicants are responsible for applying for the appropriate state and local approvals. Authorizations under these GPs are not valid until all required CT DEEP, OLISP authorizations are granted.

**Emergency Situation Procedures:** 33 CFR 325.2 (e)(4) states that an “emergency” is a situation which would result in an unacceptable hazard to life, a significant loss of property, or an immediate, unforeseen and significant economic hardship if corrective action requiring a permit is not undertaken within a time period less than the normal time needed to process the application under standard procedures.” Notification to the Corps is required. The Corps will determine if a project qualifies as an emergency and will work with all applicable agencies to expedite authorization in emergency situations. If the project qualifies as an emergency, authorization under these General Permits is not required.

**Individual/Standard Permit Procedures:** Work that is not eligible under PCN activities as described therein or that does not meet the terms and general conditions of the GPs, will require the submission of an application to the Corps for an Individual Permit (see 33 CFR Part 325.1). The applicant should submit the appropriate application form and materials at the earliest possible date. General information and application forms can be obtained at our website at <http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits/ObtainPermit.aspx> or by calling us. Individual WQC and CZM consistency concurrence are required, when applicable, from the State of Connecticut before Corps issuance of an individual permit. Individual Water Quality Certification must be obtained from EPA for activities on lands located within the boundaries of an Indian reservation. The Corps encourages applicants to concurrently apply for a Corps Individual Permit and state permits.



## APPENDIX A – GENERAL PERMITS

### **GP 1. AIDS TO NAVIGATION & TEMPORARY RECREATIONAL STRUCTURES (Section 10; navigable waters of the United States)**

The placement of aids to navigation and regulatory markers which are approved by and installed in accordance with the requirements of the U.S. Coast Guard (see 33 CFR, chapter I, subchapter C, part 66)

#### **Self-Verification (SV) Eligible**

Aids to navigation and regulatory markers that are not located within Corps Federal Navigation Projects (FNPs\*).

Temporary buoys, markers, floats, etc. for recreational use during specific events, provided they are not located within Corps FNPs **and** are removed within 30 days after use is discontinued.

No structures in Submerged Aquatic Vegetation

**\*FNPs are comprised of Federal Channels, anchorages and turning basins. Please click on the link below for more information:**  
<http://www.nae.usace.army.mil/Missions/Navigation/Connecticut-Projects/>

#### **Pre-Construction Notification (PCN) Required**

Work not eligible for SV.

Aids to navigation or temporary markers, floats, etc. that are within a Corps FNP.

Temporary markers, floats, etc. that are not to be removed within 30 days.

**GP 2. REPAIR OR MAINTENANCE OF EXISTING CURRENTLY SERVICEABLE, AUTHORIZED OR GRANDFATHERED\* STRUCTURES & FILLS, REMOVAL OF STRUCTURES (Section 10 & 404; tidal and non-tidal waters of the U.S.)**

Repair, rehabilitation, or replacement of any previously authorized, currently serviceable structure, or fill, or of any currently serviceable structure or fill authorized by 33 CFR 330.3, provided that the structure or fill is not to be put to uses differing from those uses specified or contemplated for it in the original permit or the most recently authorized modification. Minor deviations in the structure's configuration or filled area, including those due to changes in materials, construction techniques, requirements of other regulatory agencies, or current construction codes or safety standards that are necessary to make the repair, rehabilitation, or replacement are authorized. Includes removal of structures and fill. **Not authorized under GP 2:** (a) Permanent impacts >1/2 acre in tidal and non-tidal waters and/or wetlands, >1000 SF in tidal Special Aquatic Site (SAS) other than vegetated shallows, or >100 SF in tidal vegetated shallows.

Self-Verification (SV) Eligible	Pre-Construction Notification (PCN) Required
<p>≤5,000 s.f. of impacts in non-tidal waters &amp; wetlands.</p> <p>No fill in tidal waters &amp; wetlands.</p> <p>Bulkhead replacement via installation of new bulkhead within 18" of existing bulkhead &amp; backfill.</p> <p>Drawdown of impoundment for dam/levee repair provided it does not exceed 18 months and one growing season (April through September)</p> <p>Any stream channel modification is limited to the minimum necessary for the repair, rehabilitation, or replacement of the structure or fill; such modifications, including the removal of material from the stream channel, must be immediately adjacent to the project or within the boundaries of the structure or fill.</p> <p>Any bank stabilization measures not directly associated with the structure requires a separate authorization under <b>GP 9</b>.</p> <p>Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary discharges, such as sandbag cofferdams, access fills, etc. are necessary for construction activities or dewatering of construction sites.</p> <p>Temporary fills must consist of materials and be placed in a manner, that will not be eroded by expected high flows. They must be removed in their entirety and the affected areas returned to pre-construction elevations and must be re-vegetated as appropriate.</p> <p>Work to previously approved tide gates with a Corps-approved operation and maintenance plan and tide gates not affecting the hydraulic regime.</p> <p>No impacts in Special Aquatic Sites (SAS) – see definitions.</p> <p>No slip lining or culvert relining that changes invert elevation.</p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1. Removal of bridge structures in navigable waters are covered under <b>GP 8</b>, if the Coast Guard issues a bridge permit.</li> <li>2. Stream, river, brook or other watercourse crossings are not eligible under <b>GP 2</b> (See <b>GP 19</b>).</li> </ol>	<p>Work not eligible for SV.</p> <p>Removal of accumulated sediments and debris in the vicinity of existing structures (e.g., bridges, culverted road crossings, water intake structures, etc.) and/or the placement of new or additional riprap, minimum necessary to protect the structure.</p> <p>The removal of accumulated sediment is limited to the minimum necessary to restore the waterway in the vicinity of the structure to the approximate dimensions that existed when the structure was built, but cannot extend farther than 200 feet in any direction from the structure. Excavated materials must be deposited and retained in an area that has no waters of the United States unless otherwise specifically approved by the district engineer.</p> <p>Drawdown of impoundment for dam/levee repair provided it does not exceed 18 months and one growing season (April through September)</p> <p>*Grandfather dates include work performed &amp; structures installed before 1968 &amp; fill placed before 1975 for Corps purposes only.</p>

**GP 3. MOORINGS (Section 10; navigable waters of the U. S.)**

New private, non-commercial, non-rental, single-boat moorings & temporary moorings including moorings to facilitate construction or dredging; minor relocation of previously authorized moorings and mooring field expansions, boundary reconfigurations or modifications of previously authorized mooring fields and maintenance and replacement of moorings.

**Not authorized under GP 3 are:** Moorings within Federal Navigation channels.

<b>Self-Verification (SV) Eligible</b>	<b>Pre-Construction Notification (PCN) Required</b>
<p>1. Private, non-commercial, non-rental, single-boat moorings and temporary moorings including moorings that facilitate construction or dredging provided:</p> <p>No new moorings located in Federal anchorages;</p> <p>No new moorings located in Special Aquatic Sites (SAS);</p> <p>No new moorings located in shellfish beds;</p> <p>Authorized by local harbormaster/town;</p> <p>When existing, authorized moorings in SAS are going to be replaced, they shall be replaced with low impact mooring technology that prevents mooring chains from resting or dragging on the bottom substrate at all tides and helical anchors, or equivalent SAS protection systems.</p> <p>2. Minor relocation of previously authorized moorings, provided:</p> <p>Authorized by the local harbormaster/town;</p> <p>Not located in SAS;</p> <p>Not located in Federal anchorages.</p>	<p>Work not eligible for SV.</p> <p>Moorings associated with an existing boating facility*.</p> <p>Private moorings without harbormaster or local approval.</p> <p>Moorings located such that they, and/or vessels docked or moored at them, are within the buffer zone of the horizontal limits of a Federal Anchorage. The buffer zone is equal to 3 times the authorized depth of that channel.</p> <p><b><i>*Boating Facility: Facilities that provide for a fee, rent, or sell mooring space, such as marinas, yacht clubs, boat clubs, boat yards, town facilities, dockominiums, etc.</i></b></p> <p><b><i>Locating new individual moorings in SAS, including eelgrass, should be avoided to the maximum extent practicable. If SAS cannot be avoided, plans should show elastic mooring systems that prevent mooring chains from resting or dragging on the bottom substrate at all tides and helical anchors, or equivalent SAS protection systems, where practicable. For moorings that appear to impact SAS, the Corps may require an eelgrass survey.</i></b></p>

**GP 4. PILE-SUPPORTED STRUCTURES & FLOATS, INCLUDING BOAT LIFTS/HOISTS & OTHER MISCELLANEOUS STRUCTURES & WORK (Section 10; navigable waters of the U.S.)** New, expansions, reconfigurations or modifications of structures for navigation access including floats, stairs, and boat/float lifts.

**Not authorized under GP 4 are:** (a) fill or excavation; (b) no structures within Federal Navigation channels; or (c) structures associated with a NEW boating facility\*.

Self-Verification (SV) Eligible	Pre-Construction Notification (PCN) Required
<p>Private residential structures with a length limit not to exceed 40' beyond mean high water and to a depth of -4' mean low water and limited to 4' in width. The fixed pier component of the dock located in tidal wetlands shall be constructed such that the lowest horizontal member of the fixed pier is no lower than five (5) feet off the surface of any underlying wetland area.</p> <p>Floats must be supported at least 18" above the intertidal and shallow sub-tidal substrate during all tidal cycles.</p> <p>No structures located within Submerged Aquatic Vegetation</p> <p>No structures or floats can be located within the buffer zone (3x the authorized depth of the FNP) of the horizontal limits of FNPs.</p> <p>No structures or floats can extend across &gt;25% of the waterway width at mean low water.</p> <p>No new structures within 25' of riparian property line extensions.</p> <p>No new structures or floats associated with boating facilities.</p> <p>No new pile-supported structures within Shellfish Concentration Areas as designated by the Connecticut Department of Environmental Protection, Coastal Area Management Program under CGS Sec. 22a-90</p> <p>Reconfiguration of existing authorized structures; private or commercial, provided those structures do not extend beyond the existing perimeter of the facility or encroach into Special Aquatic Sites.</p>	<p>Work not eligible for SV.</p> <p>New structures within an existing boating facility, provided those structures do not extend beyond the existing perimeter of the facility.</p> <p>Structures or work in or affecting tidal or navigable waters that are not defined under any other GP activity.</p> <p>Structures that are located within 25 feet of riparian property line extensions unless the properties are owned by the same owner. If so, the Corps may require a letter of no objection from the abutter(s).</p> <p><b>*Boating Facility: Facilities that provide for a fee, rent, or sell mooring space, such as marinas, yacht clubs, boat clubs, boat yards, town facilities, dockominiums, etc.</b></p>

**GP 5. BOAT RAMPS & MARINE RAILWAYS (Sections 10 and 404; tidal and non-tidal waters of the U.S.)** Activities required for the construction of boat ramps and marine railways, including excavation and fill.

**Not authorized under GP 5:** (a) Permanent and temporary fill >1/2 acre of non-tidal waters and/or wetlands, (b) permanent and temporary impacts >1/2 acre in tidal waters; >1000 SF in tidal SAS other than vegetated shallows, or >100 SF in tidal vegetated shallows; or (c) dredging in navigable waters of the U.S. (see GP 7)

**Self-Verification (SV) Eligible**

**Pre-Construction Notification (PCN) Required**

No work in tidal waters and wetlands of the United States.

≤5,000 SF of non-tidal waters and/or wetland fill (permanent and temporary).

No work April 1 through June 30 in non-tidal waters that support diadromous fish species.

Work not eligible for SV.

Work occurs in tidal waters and wetlands of the United States.

Boat ramps are located within 25 feet of riparian property line extensions unless the properties are owned by the same owner. If so, the Corps may require a letter of no objection from the abutter(s).

**GP 6. UTILITY LINE ACTIVITIES (Sections 10 & 404; tidal & non-tidal waters of the U.S.)**

Activities required for (a) The construction, maintenance, relocation, repair, & removal of utility lines, including outfall and intake structures, and the associated excavation, backfill, or bedding for utility lines; (b) The construction, maintenance or expansion of utility line substation facilities associated with a power/utility line in non-tidal waters; and (c) The construction and maintenance of foundations for overhead utility line towers, poles, and anchors provided the foundations are the minimum size necessary and separate footings for each tower leg (rather than a larger single pad) are used where feasible. This GP authorizes the construction of access roads to facilitate construction of the above activities provided the activity, in combination with all other activities included in one single and complete project, does not cause the permanent loss of greater than 1 acre of non-tidal waters of the U.S\*. Impacts resulting from mechanized pushing, dragging or other similar activities that redeposit excavated soil material shall be figured into the area limit determination.

**Not authorized under GP 6:** (a) Permanent and temporary fill >1 acre of non-tidal waters and/or wetlands\*, (b) permanent and temporary impacts >1/2 acre in tidal waters; >1000 SF in tidal Special Aquatic Sites other than vegetated shallows, or >100 SF in tidal vegetated shallows; or (c) blasting or storage of equipment in wetlands.

Self-Verification (SV) Eligible	Pre-Construction Notification (PCN) Required
<p>No work in, over or under tidal waters.</p> <p>No outfalls.</p> <p>≤5,000 SF of non-tidal waters and/or wetland fill (permanent and temporary).</p> <p>Intake structures that are dry hydrants used exclusively for firefighting activities with no stream impoundments.</p> <p>No silt producing activities from April 1 through June 30 in non-tidal waters that support diadromous fish species.</p> <p><b>NOTE:</b> Construction mats of any area necessary to conduct activities do not count towards the 5,000 SF threshold and should be removed as soon as work is completed.</p>	<p>Work not eligible for SV.</p> <p>Overhead utility lines constructed over Section 10 waters and submarine utility lines that are routed in or under such waters.</p> <p><b><i>*See Table 1 Connecticut Water Quality Certification (CT WQC) in Section 1 for additional details on thresholds.</i></b></p> <p><b>NOTE:</b> Construction mats of any area necessary to conduct activities do not count towards the 1 acre threshold and should be removed as soon as work is completed.</p>
<p><b>NOTE:</b> Temporary fills necessary to conduct the utility line activity are also allowed, provided the utility line activity is <b>within</b> Corps jurisdiction. Material resulting from trench excavation may be temporarily sidecasted into waters of the United States for no more than three months, provided the material is not placed in such a manner that it is dispersed by currents or other forces. If the utility line activity is not within Corps jurisdiction but temporary fill will be placed in Corps jurisdiction, then see GP 21 for temporary fills, etc.</p>	



**GP 7. DREDGING (Section 10; navigable waters of the U.S.), TRANSPORT & DISPOSAL OF DREDGED MATERIAL (Sections 10, 404 & 103; tidal waters of the U.S.), BEACH NOURISHMENT (Sections 10 & 404; tidal waters of the U.S.); ROCK REMOVAL (Section 10, navigable waters of the U.S.) & ROCK RELOCATION (Sections 10 & 404; tidal waters of the U.S.)**

New, improvement\* and maintenance\*\* dredging, including: (a) Disposal of dredged material at a confined aquatic disposal, beach nourishment, near shore, designated open water or ocean water disposal site, provided the Corps finds the dredged material to be suitable for such disposal; (b) Beach nourishment not associated with dredging; (c) Rock removal and relocation for navigation.

**Not authorized under GP 7 are:** (a) New dredging with >1000 SF of impacts to intertidal areas; (b) All dredging and/or disposal with >1000 SF of impacts to tidal Special Aquatic Sites (SAS), other than vegetated shallows or >100 SF of impacts to vegetated shallows; (c) new dredging where the primary purpose is sand mining for beach nourishment; (d) Beach scraping; (e) Rock removal and relocation for navigation >1/2 acre; or (f) blasting.

Self-Verification (SV) Eligible	Pre-Construction Notification (PCN) Required
<p>No work in non-tidal waters or wetlands.</p> <p>Maintenance dredging (with any amount of yardage) provided:</p> <p>Contained upland disposal;</p> <p>Proper siltation controls used &amp; maintained to prevent runback into waterway/wetland;</p> <p>No impacts to SAS, intertidal areas or shellfish beds;</p> <p>Not located within 100' of vegetated shallows or shellfish areas;</p> <p>No work in the Connecticut River; and</p> <p>Work occurs from October 1 through January 31.</p> <p>Rock/boulder relocation with ≤200 SF of impacts and no impacts to SAS.</p> <p>No rock removal.</p>	<p>Work not eligible for SV.</p> <p>Maintenance dredging not eligible for SV; improvement dredging and new dredging.</p> <p>Disposal options include upland disposal, open water disposal, confined aquatic disposal cells (CAD cells), near-shore disposal or beach nourishment.</p> <p><b><i>*Improvement is dredging to deeper depths in areas previously dredged or authorized.</i></b></p> <p><b><i>**Maintenance dredging includes areas and depths previously authorized by the Corps and dredged.</i></b></p>

**GP 8. DISCHARGES OF DREDGED OR FILL MATERIAL INCIDENTAL TO THE CONSTRUCTION OF BRIDGES (Sections 10 & 404; navigable waters of the U.S.)**

Discharges of dredged or fill material incidental to the construction and modification of bridges across navigable waters of the U.S., including cofferdams abutments, foundation seals, piers, approach fills, and temporary construction and access fills **provided that the USCG authorizes the construction of the bridge structure under Section 9 of the Rivers and Harbors Act of 1899 or other applicable laws.** A USCG Authorization Act Exemption or a STURRA (144h) exemption do not constitute USCG authorization.

**Not authorized under GP 8 are causeways.**

<b>Self-Verification (SV) Eligible</b>	<b>Pre-Construction Notification (PCN) Required</b>
Discharges of dredged or fill material incidental to the construction and modification of bridges.  No fill in Special Aquatic Sites.  No fill in the Connecticut River.	Work not eligible for SV.

**GP 9. SHORELINE & BANK STABILIZATION PROJECTS (Sections 10 & 404; tidal and non-tidal waters of the U.S.)** Bank stabilization activities necessary for erosion protection along the banks of lakes, ponds, streams, estuarine and ocean waters, and any other open waters. Includes bulkheads, seawalls, riprap, revetments or slope protection & similar structures as well as vegetative planting, soil bioengineering or alternative techniques that are a combination of the two (e.g. living shorelines), specifically for the purpose of shoreline protection. **Not authorized under GP 9 are:** (a) Bank stabilization >500 LF\* in total length including both stream banks; (b) Permanent and temporary impacts >1/2 acre in tidal waters, >1000 SF in tidal Special Aquatic Sites (SAS) other than vegetated shallows, or >100 SF in tidal vegetated shallows. (c) Stream channelization or relocation activities; or (d) breakwaters, groins and jetties.

**Self-Verification (SV) Eligible**

Coastal shoreline & bank stabilization projects  $\leq 200$  linear feet; and other stream, river, or brook bank stabilization projects  $\leq 200$  linear feet (includes total for more than one stream bank) provided:

$\leq 1$  cubic yard of fill per linear foot placed between the high tide line (HTL) and mean low water (MLW) or  $\leq 1$  cubic yard of fill per linear foot placed waterward of ordinary high water (OHW).

No discharge of fill material within SAS, including mudflats, tidal wetlands, Submerged Aquatic Vegetation and/or shellfish beds.

Soft stabilization measures such as bioengineered fiber roll revetments or equivalent, shall be used wherever practicable.

No vertical stone structures or embankments angled steeper than 1V: 1H. No new bulkheads.

No fill within the streambed.

Unconfined work, not including installation and removal of cofferdams, is limited to June 30 through September 30 in non-tidal waters supporting diadromous fish.

Unconfined work, not including installation and removal of cofferdams, in other non-tidal waters is limited to the low-flow period June 1 through September 30.

Work occurring behind a cofferdam may occur at any time.

***\*See Table 1 CT WQC in Section 1 for additional details on thresholds.***

**Pre-Construction Notification (PCN) Required**

Work not eligible for SV.

The slope of the structure is steeper than 1V:3H in lakes/ponds; and 1V:1H in non-tidal streams and tidal waters and streams.

Fill waterward of the HTL in coastal waters including alternative stabilization techniques that are a combination of soft and hard shoreline stabilization techniques that will affect SAS, change the natural shoreline configuration or alter natural or ecological processes.

***\*See Table 1 CT WQC in Section 1 for additional details on thresholds.***

**GP 10. AQUATIC HABITAT RESTORATION, ESTABLISHMENT & ENHANCEMENT**

**ACTIVITIES (Sections 10 and 404; tidal and non-tidal waters of the U.S.)** Activities in waters of the United States associated with the restoration, enhancement and establishment of non-tidal and tidal wetlands and riparian areas, including invasive, non-native or nuisance species control; the restoration and enhancement of non-tidal streams and other non-tidal open waters; the relocation of non-tidal waters, including non-tidal streams & associated wetlands for reestablishment of a natural stream morphology and reconnection of the floodplain; the restoration and enhancement of shellfish, finfish and wildlife; and the rehabilitation or enhancement of tidal streams, tidal wetlands and tidal open waters; provided those activities result in net increases in aquatic resource functions and services.

**Not authorized under GP 10 are:** (a) Conversions of wetlands to open water, except for the excavation of new salt pannes and (b) Artificial reefs.

<b>Self-Verification (SV) Eligible</b>	<b>Pre-Construction Notification (PCN) Required</b>
<p>Special Aquatic Site planting and transplanting ≤100 SF in tidal waters.</p> <p>No new ditching to eliminate mosquito breeding habitat.</p> <p>No thin layer deposition.</p> <p>No fill for purposes of converting marsh to upland.</p> <p>Placement of seed shellfish, spatulated-shell or cultch in tidal waters for the restoration or enhancement of existing, publicly-managed, recreational shellfish beds provided there is no placement in or impacts to SAS and does not result in degradation of habitat for other aquatic resources.</p> <p>≤5,000 SF of non-tidal waterway and/or non-tidal wetland fill provided the activity is supported in writing by a state or non-Corps Federal environmental resource management agency.</p> <p>No stream channelization.</p>	<p>Work not eligible for SV</p> <p>Pro-active salt marsh restoration work that includes draining of ponded dieback areas through excavation of runnels with handheld tools or low-impact ground equipment; blocking or unclogging of historic mosquito ditches to restore tidal flushing; excavation of new salt pannes to increase shorebird and waterfowl foraging habitat and placing excavated materials on the marsh surface for establishing suitable vegetative beds.</p> <p>Pond or lake reestablishment or restoration.</p> <p>Water impoundments.</p> <p>Dam removals.</p> <p>Integrated Marsh Management in tidal wetlands for combined wetland enhancement and mosquito control and reduction.</p>

**GP 11. FISH & WILDLIFE HARVESTING ACTIVITIES (Sections 10 and 404; tidal and non-tidal waters of the U.S.)** Activities in waters of the United States associated with fish and wildlife harvesting devices including pound nets, crab traps, crab dredging, eel pots, lobster traps, duck blinds, and clam and oyster digging, fish aggregating devices, and small fish attraction devices such as open water fish concentrators (sea kites, etc.).

**Not authorized by GP 11 are:** (a) Artificial reefs, impoundment(s) or semi-impoundment(s) of water; (b) Permanent and temporary impacts >1/2 acre in tidal waters, >1000 SF in tidal Special Aquatic Sites (SAS) other than vegetated shallows, or >100 SF in tidal vegetated shallows; and (c) Shellfish dredging, either mechanical or hydraulic in SAS.

Self-Verification (SV) Eligible	Pre-Construction Notification (PCN) Required
<p>Activities associated with fish and wildlife harvesting devices including pound nets, crab traps, crab dredging, eel pots, lobster traps, duck blinds, clam and oyster digging, small fish aggregating and attraction devices such as open water fish concentrators (sea kites, etc.).</p> <p>No permanent impacts to SAS, including salt marshes and Submerged Aquatic Vegetation (SAV).</p> <p>No structures, cages or traps located in SAS.</p>	<p>Work not eligible for SV</p> <p>Devices located in tidal SAS, including salt marsh and SAV.</p>

**GP 12. OIL SPILL & HAZARDOUS MATERIAL CLEANUP (Sections 10 and 404; tidal and non-tidal waters of the U.S.):** **a.** Activities conducted in response to a discharge or release of oil and hazardous substances that are subject to the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR 300) including containment, cleanup, and mitigation efforts, provided activities are done under either **(i)** The Spill Prevent, Control & Countermeasure Plan require by 40 CFR 112.3; **(ii)** The direction or oversight of the Federal on-site coordinator designated by 40 CFR 300; or **(iii)** Any approved existing State, regional or local contingency plan provided that the Regional Response Team concurs with the proposed response efforts or does not object to the response effort. **b.** Activities required for the cleanup of oil releases in waters of the U.S. from electrical equipment that are governed by EPA's polychlorinated biphenyl (PCB) spill response regulations at 40 CFR 761. **c.** Booms placed in tidal waters. **d.** Use of structures & fills for spill response training exercises. Special Aquatic Sites (SAS) must be restored in place to pre-impact elevations.

**Self-Verification (SV) Eligible**

**Pre-Construction Notification (PCN) Required**

1. Activities that are conducted in accordance with **a.** or **b.** above.

Work not eligible for SV.

2. Booms placed in navigable waters for hazardous and toxic waste containment, absorption and prevention, provided they are removed upon completion of the cleanup.

1. The activity is planned or scheduled, not an emergency response, and will cause turbidity or sediment resuspension in tidal waters or streams.

3. Temporary impacts for spill response training exercises are  $\leq 5,000$  SF in non-tidal waters and  $\leq 1,000$  SF in tidal waters, and temporary structures in tidal waters with no impacts to SAS and in place for  $\leq 30$  days.

2. Permanent structures or impacts for spill response training exercises.

**Note:** For activities in non-tidal waters of the U.S., permittees have up to two weeks following commencement of these activities to submit the Self-verification form (Appendix E).



**GP 13. CLEANUP OF HAZARDOUS & TOXIC WASTE (Sections 10 and 404; tidal and non-tidal waters of the U.S.)** Specific activities to effect the containment, stabilization or removal of hazardous or toxic waste materials, including court ordered remedial action plans or related settlements which are performed, ordered or sponsored by a government agency with established legal or regulatory authority\*.

Special Aquatic Sites must be restored in place to pre-impact elevations.

**Not authorized under GP 13 are:** (a) the establishment of new disposal sites; or (b) the expansion of existing sites used for the disposal of hazardous or toxic waste.

**Self-Verification (SV) Eligible**

Permanent and temporary impacts are  $\leq 5,000$  SF in non-tidal waters and wetlands.

Booms placed in navigable waters for oil and hazardous substance containment, absorption and prevention, provided they are removed upon completion of the cleanup.

**Notes:** For activities in non-tidal waters of the U.S., permittees have up to two weeks following commencement of these activities to submit the Self-verification form (Appendix E).

**Pre-Construction Notification (PCN) Required**

Work not eligible for SV.

Permanent and temporary impacts are  $> 5,000$  SF in non-tidal waters and wetlands.

Work in navigable waters of the U.S. other than booms placed for hazardous and toxic waste containment, absorption and prevention.

*\*Activities undertaken entirely on a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) site by authority of CERCLA, are not required to obtain permits under Section 404 of the Clean Water Act or Section 10 of the Rivers and Harbors Act.*

**GP 14. SCIENTIFIC MEASUREMENT DEVICES (Sections 10 and 404; tidal and non-tidal waters of the U.S.)** Scientific devices for measuring and recording scientific data, such as staff gauges, tide and current gauges, meteorological stations, water recording and biological observation devices, water quality testing and improvement devices, and similar structures. Also eligible are small temporary weirs and flumes constructed primarily to record water quantity and velocity provided the discharge is less than 25 cubic yards.

**Not authorized under GP 14 are:** (a) Permanent and temporary impacts >1 acre in non-tidal waters and wetlands; and (b) Permanent and temporary impacts >1/2 acre in tidal waters, >1000 SF in tidal Special Aquatic Sites (SAS) other than vegetated shallows, or >100 SF in tidal vegetated shallows.

**Self-Verification (SV) Eligible**

**Pre-Construction Notification (PCN) Required**

Permanent and temporary impacts are  $\leq 1,000$  SF in non-tidal waters and wetlands.

No impacts in non-tidal SAS, other than non-tidal wetlands.

No fill in tidal waters and/or wetlands.

No impacts in tidal Submerged Aquatic Vegetation.

Devices in tidal waters that do not restrict movement of aquatic organisms and will not adversely affect the course, condition or capacity of a waterway.

Work not eligible for SV.

**NOTE:** Upon completion of the use of the device to measure and record scientific data, the measuring device, and any other structures or fills associated with that device (e.g., foundations, anchors, buoys, lines, etc.), must be removed to the maximum extent practicable.

**GP 15. SURVEY ACTIVITIES (Sections 10 and 404; tidal and non-tidal waters of the U.S.)**

Survey activities such as soil borings, core sampling, seismic exploratory operations, plugging of seismic shot holes and other exploratory-type bore holes, exploratory trenching\* and historic resources surveys.

**Not authorized under GP 15 are:** (a) Permanent and temporary fill >1 acre of non-tidal waters and/or wetlands, and (b) permanent and temporary impacts >1/2 acre in tidal waters; >1000 SF in tidal Special Aquatic Sites other than vegetated shallows or >100 SF in tidal vegetated shallows.

Self-Verification (SV) Eligible	Pre-Construction Notification (PCN) Required
<p>Permanent and temporary impacts <math>\leq 5,000</math> SF in non-tidal waters and wetlands.</p> <p>No impacts, other than soil borings or core sampling, in tidal waters.</p> <p>No permanent structures or drilling and discharge of excavated material from test wells for oil and gas exploration allowed.</p> <p><b>NOTE:</b> Construction mats of any area necessary to conduct activities do not count towards the 5,000 SF threshold and should be removed as soon as work is completed.</p> <p><i>* For the purposes of this GP, the term "exploratory trenching" means mechanical land clearing of the upper soil profile to expose bedrock or substrate, for the purpose of mapping or sampling the exposed material.</i></p>	<p>Work not eligible for SV.</p> <p><b>NOTE:</b> Construction mats of any area necessary to conduct activities do not count towards the 1 acre threshold and should be removed as soon as work is completed.</p>
<p><b>NOTE:</b> The area in which the exploratory trench is dug must be restored to its preconstruction elevation upon completion of the work and must not drain a water of the United States. In wetlands, the top 6 to 12 inches of the trench should normally be backfilled with topsoil from the trench.</p>	

**GP 16. AQUACULTURE PROJECTS & FISHERIES (Sections 10 and 404; navigable waters of the U.S.)** The installation of buoys, floats, racks, trays, nets, lines or other structures in navigable waters for the containment and cultivation of indigenous species of shellfish and seaweed/kelp. Also authorized are anchored upweller floats, small-scale shellfish hatchery seawater intake/discharge structures, and discharges of dredged or fill material associated with cultivation such as the placement of cultch or spatting-shell on bottom.

Depth of cultch or spatting-shell must comply with Special Conditions in Section 5, Part (h), items (1) through (7) of CT DEEP, General Permit for Coastal Maintenance (DEEP-OLISP-GP2015-02) and must not result in visible degradation of habitat for other aquatic resources. All structures must be permitted by State of Connecticut Navigation Safety/Boating Access Unit and marked in conformance with applicable State or U.S. Coast Guard Aids to Navigation. **NOTE: All facilities must be installed and operated in compliance with the attached Appendix C Aquaculture Conditions**

**Not authorized under GP 16 are impacts to Special Aquatic Sites, including Submerged Aquatic Vegetation.**

Self-Verification (SV) Eligible	Pre-Construction Notification (PCN) Required
<p>Placement of seed shellfish, spatting-shell or cultch for commercial shellfish aquaculture on leased grounds when performed in compliance with the conditions in Section 5 h. of the CT DEEP General Permit for Coastal Maintenance (DEEP-OLISP-GP-2015-02).</p> <p>The installation of temporary (&lt; six months) structures for research, educational or experimental aquaculture gear impacting <math>\leq 1,000</math> SF for indigenous species under the direct supervision of the Dept. of Agricultural, Bureau of Aquaculture provided there is no adverse effect to navigation.</p> <p>Suspended cages or bags located wholly below and within the footprint of an existing <u>authorized</u> fixed or floating structure in water depths <math>\leq 10</math> feet MLW; provided no loose lines and there is a vertical clearance of at least 2 feet between the bottom of the gear and the sea floor at mean low water.</p> <p>Shellfish upweller floats not to exceed 160 sf (anchored/berthed only, no piling installation), with a vertical clearance of at least 2 feet between the bottom of the gear and the sea floor at mean low water, cannot be located within the buffer of a Federal Navigation Project.</p>	<p>Work not eligible for SV.</p> <p>Vertical-drop longlines and suspended gear for the culture of shellfish or other marine organisms, such as kelp and seaweed.</p> <p>Cages, trays, racks, netting or other structures on the ocean bottom or floating on the water surface used to contain, cultivate or depurate shellfish.</p> <p>For additional information, please see "A Guide for Marine Aquaculture Permitting in Connecticut" for guidance and application materials found at:  <a href="http://www.nae.usace.army.mil/Portals/74/docs/regulatory/StateGeneralPermits/CT/AquaculturePermitGuide.pdf">http://www.nae.usace.army.mil/Portals/74/docs/regulatory/StateGeneralPermits/CT/AquaculturePermitGuide.pdf</a></p> <p>Intake and discharge structure with a diameter <math>\leq 3</math> inches, for the withdrawal and discharge of water to support small-scale shellfish land-based hatchery with negative impact on source or discharge waters.</p> <p>Activities that involve a change from authorized gear for bottom culture to floating or suspended gear.</p> <p>Boundaries of Submerged Aquatic Vegetation may be required to be located/surveyed in the field. See Corps website for guidance:  <a href="http://www.nae.usace.army.mil/Portals/74/docs/regulatory/JurisdictionalLimits/SubmergedAquaticVegetationSurveyGuidance(Updated7-12-2016).pdf">http://www.nae.usace.army.mil/Portals/74/docs/regulatory/JurisdictionalLimits/SubmergedAquaticVegetationSurveyGuidance(Updated7-12-2016).pdf</a></p>

**GP 17. NEW/EXPANDED DEVELOPMENTS & RECREATIONAL FACILITIES (Section 404; non-tidal waters of the U.S.)** Discharges of dredged or fill material for the construction or expansion of developments and/or recreational facilities. This GP authorizes attendant features that are necessary for the use such as parking lots, garages, and yards. Fill area includes all temporary and permanent fill, and regulated discharges associated with excavation.

**Not authorized under GP 17 are:** (a) Permanent impacts that are >1 acre\* in non-tidal waters and wetlands; (b) Stormwater treatment or detention systems, or subsurface sewerage disposal systems in waters of the U.S.; and (c) New roadway and driveway crossings in non-tidal waters and/or wetlands. (See GPs 18 & 19)

**Self-Verification (SV) Eligible**

Permanent and temporary impacts  $\leq 5,000$  SF of non-tidal waters and/or wetlands provided no impacts to Special Aquatic Sites other than wetlands (e.g. riffle and pool stream habitat, shellfish beds).

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 5,000 SF threshold and should be removed as soon as work is completed.

**Pre-Construction Notification (PCN) Required**

Work not eligible for SV.

**\*See Table 1 CT WQC in Section 1 for additional details on thresholds.**

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 1 acre threshold and should be removed as soon as work is completed.

**GP 18. LINEAR TRANSPORTATION PROJECTS – WETLAND CROSSINGS ONLY**

**(Section 404; non-tidal waters of the U.S.)** Activities required for the construction, expansion, modification, or improvement of linear transportation projects (e.g., driveways, roads, highways, railways, trails, airport runways, and taxiways) and attendant features.

**Not authorized under GP 18 are:** (a) Permanent and temporary impacts for any single and complete project that are >1 acre\* or (b) Stream, river, or brook crossing projects (see GP 19)

**Self-Verification (SV) Eligible**

**Pre-Construction Notification (PCN)  
Required**

Permanent and temporary impacts  $\leq 5,000$  SF of non-tidal wetland fill provided:

No work in non-tidal Special Aquatic Sites other than wetlands.

No slip lining or culvert relining that changes invert elevation.

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 5,000 SF threshold and should be removed as soon as work is completed.

Work not eligible for SV.

*\*See Table 1 CT WQC in Section 1 for additional details on thresholds.*

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 1 acre threshold and should be removed as soon as work is completed.



**GP 19. STREAM, RIVER & BROOK CROSSINGS (NOT INCLUDING WETLAND**

**CROSSINGS) (Sections 10 and 404; tidal and non-tidal waters of the U.S.)** Activities required for the construction, expansion, modification, or improvement of linear transportation projects (e.g., driveways, roads, highways, railways, trails, airport runways, and taxiways) and attendant features, provided that work is performed in accordance with Connecticut General Permit Stream Crossing Best Management Practices to the extent practicable - See Appendix G.

**Not authorized under GP 19 are:** (a) Permanent impacts for any single and complete projects that are >1 acre in non-tidal waters and wetlands\*, >1/2 acre in tidal waters of the U.S., >1000 SF in tidal Special Aquatic Sites (SAS) other than vegetated shallows or >100 SF in tidal vegetated shallows; (b) Temporary impacts >1 acre in tidal waters, >5000 SF in tidal SAS other than vegetated shallows, or >1000 SF in vegetated shallows; or (c) Wetland Crossings (see GP 18).

**Self-Verification (SV) Eligible**

No impacts to tidal waters and/or wetlands.

Permanent and temporary impacts  $\leq 5,000$  SF of non-tidal waters and wetlands provided for stream, river, brook crossings by means of a Bridge or Open-Bottom Structure that meets the following standards: 1. Spans at least 1.2 times the watercourse bank full width, 2. Allows for the continuous, uninterrupted flow of the 50-year frequency storm flows, and 3. No riprap is placed within or across the bed of the brook, and appurtenant stream bank stabilization does not exceed 50 feet along any upstream or downstream bank.

Permanent and temporary impacts  $\leq 5,000$  SF of non-tidal waters and wetlands provided for stream, river, brook crossings by means of a culvert provided the tributary watershed to the culvert does not exceed 1 sq. mile (640 acres)\*

No open trench excavation in flowing waters.

Unconfined, in-stream work, not including installation and removal of cofferdams, is limited to the low-flow period, June 1 through September 30 unless CT DEEP requires different resource-driven time of year restriction.

Work occurring behind a cofferdam may occur at any time.

No stream relocations; no dams or dikes; no new culvert crossings of perennial streams. No slip lining or culvert relining that changes invert elevation.

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 5,000 SF threshold and should be removed as soon as work is completed.

***\*See Table 1 CT WQC in Section 1 for additional details on thresholds.***

**Pre-Construction Notification (PCN) Required**

Work not eligible for SV.

***\*See Table 1 CT WQC in Section 1 for additional details on thresholds.***

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 1 acre threshold and should be removed as soon as work is completed.

**GP 20. ENERGY GENERATION & RENEWABLE ENERGY GENERATION FACILITIES (Sections 10 and 404; tidal waters of the U.S.) & HYDROPOWER PROJECTS (Sections 10 and 404; tidal waters of the U.S.)** Structures and work in navigable waters of the U.S. and discharges of dredged or fill material into tidal waters of the U.S. for the construction, expansion, modification or removal of: **(a)** Land-based renewable energy production facilities, including attendant features; **(b)** Water-based wind or hydrokinetic renewable energy generation pilot projects and their attendant features; and **(c)** Discharges of dredged or fill material associated with hydropower projects.

Attendant features may include, but are not limited to, land-based collection and distribution facilities, control facilities, and parking lots. For each single and complete project in **(b)** above, no more than 10 generation units (e.g., wind turbines or hydrokinetic devices) are authorized in navigable waters of the U.S.

Attendant features may include, but are not limited to, land-based collection and distribution facilities, control facilities, and parking lots. For each single and complete project in **(b)** above, no more than 10 generation units (e.g., wind turbines or hydrokinetic devices) are authorized in navigable waters of the U.S.

**Self-Verification (SV) Eligible**

**Pre-Construction Notification (PCN) Required**

Not allowed under SV.

**For land-based facilities, impacts are:**

Permanent impacts  $\leq 1/2$  acre in tidal waters; or  $\leq 100$  SF in tidal vegetated shallows or  $\leq 1,000$  SF in other tidal Special Aquatic Sites (SAS).

Temporary impacts  $\leq 1$  acre in tidal waters;  $\leq 1,000$  SF in vegetated shallows and  $\leq 5,000$  SF in other tidal SAS.

**For water-based wind or hydrokinetic renewable energy generation pilot projects, and hydropower projects permanent and temporary impacts are:**

$\leq 1/2$  acre in tidal waters.

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 1 acre threshold and should be removed as soon as work is completed.

**GP 21. TEMPORARY FILL NOT ASSOCIATED WITH ANY OTHER GP ACTIVITIES**

**(Section 404; non-tidal waters of the U.S.)** Temporary discharges, such as sandbag/earth cofferdams, access fills, etc., necessary for construction activities or dewatering of construction sites.

**Not authorized under GP 21:** Temporary impacts >1 acre in non-tidal waters and wetlands\*

**Self-Verification (SV) Eligible**

Temporary impacts  $\leq 5,000$  SF of temporary non-tidal waters and/or non-tidal wetland.

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 5,000 SF threshold and should be removed as soon as work is completed.

**Pre-Construction Notification (PCN) Required**

Work not eligible for SV.

***\*See Table 1 CT WQC in Section 1 for additional details on thresholds.***

**NOTE:** Construction mats of any area necessary to conduct activities do not count towards the 1 acre threshold and should be removed as soon as work is completed.



## APPENDIX B - GENERAL CONDITIONS

**1. Other Permits.** Permittees must obtain other Federal, State, or local authorizations required by law. Applicants are responsible for applying for and obtaining all required State or local approvals. Work that is not regulated by the State, but is subject to Corps jurisdiction, may be eligible for these General Permits (GPs).

### **2. Federal Jurisdiction.**

a. Applicability of the GPs shall be evaluated with reference to Federal jurisdictional limits. Applicants are responsible for ensuring that the limits depicted satisfy the Federal criteria defined at 33 CFR 328 "Waters of the United States." and 33 CFR 329 "Navigable Waters of the United States"

**NOTE:** Waters of the U.S. include the subcategories "navigable waters of the United States." and "wetlands."

b. Pre-Construction Notification (PCN) Eligible projects require an application to the Corps which must include a delineation of wetlands, other special aquatic sites, and other waters such as lakes and ponds and perennial, intermittent, and ephemeral streams that are on the project site. Wetland delineations must be prepared in accordance with the current federal method required by the Corps. For Corps Wetland Delineation Manual, regional supplements and data sheets, and the National List of Plant Species that Occur in Wetlands, visit our website at <http://www.nae.usace.army.mil/Missions/Regulatory.aspx> and then click on "Jurisdiction and Wetlands". The Natural Resources Conservation Service (NRCS) publishes the current hydric soil definition, criteria and lists which can be found at <http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/>. For the Field Indicators for Identifying Hydric Soils in New England, visit: [www.neiwpcc.org/hydricsoils.asp](http://www.neiwpcc.org/hydricsoils.asp).

### **3. Mitigation (Avoidance, Minimization, and Compensatory Mitigation)**

a. Activities must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States (U.S.) to the maximum extent practicable at the project site (i.e., on site). Consideration of mitigation (avoiding, minimizing, rectifying, reducing, or compensating) is required to the extent necessary to ensure that the adverse effects to the aquatic environment are no more than minimal.

b. Applicants should consider riparian/forested buffers for stormwater management and low impact development (LID) best management practices (BMPs) to reduce impervious cover and manage stormwater to minimize impacts to the maximum extent practicable.

c. Compensatory mitigation<sup>1</sup> for effects to waters of the U.S., including direct, secondary and temporal<sup>2</sup>, will generally be required for projects with permanent impacts that exceed the SV area limits, and may be required for temporary impacts that exceed the SV area limits, to offset unavoidable impacts which remain after all appropriate and practicable avoidance and minimization has been achieved and to ensure that the adverse effects to the aquatic environment are no more than minimal. Proactive restoration projects or temporary impact work with no secondary effects may generally be excluded from this requirement.

The Corps **Connecticut In-Lieu Fee Program** allows Corps permittees, as compensation for their project impacts to aquatic resources of the United States in Connecticut pursuant to Section 404 of the Clean Water Act, to make monetary payment *in-lieu* of permittee-responsible mitigation. Information is provided at <http://www.nae.usace.army.mil/Missions/Regulatory/Mitigation.aspx> >>Mitigation>>Connecticut In-Lieu Fee Program. Please note that this only applies to Corps required mitigation and additional Connecticut DEEP mitigation may be required.

**4. Discretionary Authority.** Notwithstanding compliance with the terms and conditions of this permit, the Corps retains discretionary authority to require an Individual Permit review based on concerns for the aquatic environment or for any other factor of the public interest [33 CFR 320.4(a)]. This authority is invoked on a case-by-case basis whenever the Corps determines that the potential consequences of the proposal warrant Individual Permit review based on the concerns stated above. This authority may be invoked for projects with

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<sup>1</sup> Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR 332. See also the New England District Compensatory Mitigation Guidance at <http://www.nae.usace.army.mil/Missions/Regulatory/Mitigation.aspx>

<sup>2</sup> Temporal loss: The time lag between the losses of aquatic resource functions caused by the permitted impacts and the replacement of aquatic resource functions at the compensatory mitigation site(s) (33 CFR 332.2).



cumulative adverse environmental effects that are more than minimal, or if there is a special resource or concern associated with a particular project. Whenever the Corps notifies an applicant that an Individual Permit may be required, authorization under these GPs is voided and no work may be conducted until a Corps Individual Permit is obtained or until the Corps notifies the applicant that further review has demonstrated that the work may be reviewed under these GPs.

**5. Single and Complete Projects.** The term “single and complete project” is defined at 33 CFR 330.2(i) as the total project proposed or accomplished by one owner/developer or partnership or other association of owners/developers. The GPs shall not be used for piecemeal work and shall be applied to single and complete projects.

a. For non-linear projects, a single and complete project must have independent utility. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed, even if the other phases were not built, can be considered as separate single and complete projects with independent utility.

b. Unless the Corps determines the activity has independent utility, all components of a single project and/or all planned phases of a multi-phased project (e.g., subdivisions should include all work such as roads, utilities, and lot development) shall be treated together as constituting one single and complete project.

c. For linear projects such as power lines or pipelines with multiple crossings, a “single and complete project” is all crossings of a single water of the U.S. (i.e. single waterbody) at a specific location. For linear projects crossing a single waterbody several times at separate and distant locations, each crossing is considered a single and complete project. However, individual channels in a braided stream or river, or individual arms of a large, irregularly-shaped wetland or lake, etc., are not separate waterbodies, and crossings of such features cannot be considered separately. If any crossing requires a PCN review or an individual permit review, then the entire linear project shall be reviewed as one project under PCN or the individual permit procedures.

**6. Corps Property and Federal Projects.**

a. In addition to any authorization under these GPs, proponents must contact the Corps Real Estate Division at (978) 318-8585 for work occurring on or potentially affecting Corps properties and/or Corps-controlled easements to initiate reviews and determine what real estate instruments are necessary to perform work. Permittees may not commence work on Corps properties and/or Corps-controlled easements until they have received any required Corps real estate documents evidencing site-specific permission to work.

b. Any proposed temporary or permanent modification or use of a Federal project (including but not limited to a levee, dike, floodwall, channel, anchorage, seawall, bulkhead, jetty, wharf, pier or other work built but not necessarily owned by the United States), or any use which would obstruct or impair the usefulness of the Federal project in any manner, and/or would involve changes to the authorized Federal project’s scope, purpose, and/or functioning, is not eligible for SV and will also require review and approval by the Corps pursuant to 33 USC 408. Where Section 408 is applicable, a decision on a Department of the Army general permit application will not be rendered prior to the decision on a Section 408 request.

**7. National Lands.** Activities that impinge upon the value of any National Wildlife Refuge, National Forest, National Marine Sanctuary or any area administered by the National Park Service, U. S. Fish and Wildlife Service (USFWS) or U.S. Forest Service are not eligible for SV.

**8. Wild and Scenic Rivers.** No activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status. Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g. National Park Service, U.S. Forest Service, Bureau of Land Management, U. S. Fish and Wildlife Service).



As of July 15, 2016, affected rivers in Connecticut include: the West Branch of the Farmington River from Colebrook to Canton (designated river); the Eightmile River and tributaries in Salem, Lyme and East Haddam (designated river); and the Lower Farmington River from Canton to Windsor (study river – including its tributary Salmon Brook). Additional information can be found at: <http://www.rivers.gov/connecticut.php>

## **9. Historic Properties.**

a. No undertaking shall cause effects (defined at 33 CFR 325 Appendix C and 36 CFR 800) on properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places<sup>3</sup>, including previously unknown historic properties within the permit area, unless the Corps or another Federal action agency has satisfied the consultation requirements of Section 106 of the National Historic Preservation Act (NHPA). The State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO) and the National Register of Historic Places can assist with locating information on: i) previously identified historic properties; and ii) areas with potential for the presence of historic resources, which may require identification and evaluation by qualified historic preservation and/or archaeological consultants in consultation with the Corps and the SHPO and/or THPO(s).

b. For activities eligible for SV (inland projects), proponents must ensure and document that the activity will not cause effects as stated in 9(a).

c. Proponents must submit a PCN to the Corps as soon as possible if the authorized activity may cause effects as stated in 9(a) to ensure that the Corps is aware of any potential effects of the permitted activity on any historic property that the consultation requirements of Section 106 of NHPA are satisfied.

d. All PCN (inland projects): i) show notification to the SHPO and applicable THPO(s)<sup>4</sup> for their identification of historic properties, ii) state which historic properties may be affected by the proposed work or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties, and iii) include any available documentation from the SHPO or THPO(s) indicating that there are or are not historic properties affected. Starting consultation early in project planning can save proponents time and money.

e. If you discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the district engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

## **10. Federal Threatened and Endangered Species.**

a. No activity is authorized which: a) is likely to directly or indirectly jeopardize the continued existence of any listed or proposed species or result in the destruction or adverse modification of designated or proposed critical habitat, as identified under the Federal Endangered Species Act (ESA); b) result in take of a listed species or adversely modifies designated critical habitat; or c) violates the ESA.

b. For listed species or critical habitat under U. S. Fish and Wildlife Service (USFWS) jurisdiction, a PCN is required when a proposed project may affect a listed species or designated critical habitat. To ensure compliance with the Endangered Species Act, project proponents must request an 'Official Species List' from the USFWS IPaC website <http://ecos.fws.gov/ipac> <http://ecos.fws.gov/ipac>>. This USFWS IPaC website will record the request and immediately email the list to you. Include the list with all applications. An activity is SV eligible if the Official Species List states the northern long-eared bat (NLEB) (*Myotis septentrionalis*) is present BUT the activity: i) will not remove trees  $\geq 3$  inches dbh; ii) is not within the "buffer" of a NLEB hibernacula or maternity roost tree; and iii) does not involve work on an existing dam, riprap or bridges.

<sup>3</sup> The majority of historic properties are not listed on the National Register of Historic Places and may require identification and evaluation by qualified historic preservation and/or archaeological consultants in consultation with the Corps and the SHPO and/or THPO(s).

<sup>4</sup> Appendix D, #3 Historic Resources, provides contact information and each tribe's "area of concern."

c. For listed species or habitat under NMFS jurisdiction, the Corps will coordinate with NMFS as appropriate for all work eligible for SV that may have an effect on listed species or habitat; therefore SV eligible project proponents are not required to check for listed species or habitat for their projects.

d. Federal applicants should follow their own procedures for complying with the requirements of the ESA. Work may be eligible for SV if another Federal agency has satisfied the requirements of Section 7 of the ESA. Upon request, permittees must provide the Corps with the appropriate documentation to demonstrate compliance with those requirements.

#### **11. Pile Removal and Related Time of Year Restrictions**

a. Derelict, degraded or abandoned piles and sheet piles in navigable waters, except for those inside of existing work footprints for piers, must be completely removed or cut and/or driven to 3 feet below the substrate to prevent interference with navigation and in some cases to remove polluting materials. Existing creosote piles in the project area that are affected by project activities should be completely removed. In areas of fine-grained substrates, piles must be removed by the direct, vibratory or clamshell pull method<sup>5</sup> to minimize turbidity and sedimentation impacts. Removed piles shall be disposed of in an upland location landward of MHW or OHW and not in wetlands, tidal wetlands, their substrate or mudflats.

b. Piles should either be installed between November 1 and March 15 **OR** must use a soft start each day of pile driving, building up power slowly from a low energy start-up over a period of 20-40 minutes to provide adequate time for fish and marine mammals to leave the vicinity. The buildup of power should occur in uniform stages to provide a constant increase in output. Bubble curtains can be used to reduce sound pressure levels during vibratory or impact hammer pile driving.

#### **12. Navigation.**

a. No activity may cause more than a minimal adverse effect on navigation.

b. Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the U.S.

c. Any structure or work that extends closer to the horizontal limits of any Corps Federal Navigation Project than a distance of three times the project's authorized depth shall be subject to removal at the owner's expense prior to any future Corps dredging or the performance of periodic hydrographic surveys. This is applicable to SV and PCN.

d. There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein, and no attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein.

e. The permittee understands and agrees that if future U.S. operations require the removal, relocation, or other alteration of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the U.S. No claim shall be made against the U.S. on account of any such removal or alteration.

f. An application to the Corps is required for all work in, over or under an FNP or its buffer zone unless otherwise indicated in Appendix A.

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<sup>5</sup> **Direct Pull:** Each piling is wrapped with a choker cable or chain that is attached at the top to a crane. The crane then pulls the piling directly upward, removing the piling from the sediment. **Vibratory Pull:** The vibratory hammer is a large mechanical device (5-16 tons) that is suspended from a crane by a cable. The vibrating hammer loosens the piling while the crane pulls up. **Clamshell Pull:** This can remove intact, broken or damaged pilings. The clamshell bucket is a hinged steel apparatus that operates like a set of steel jaws. The bucket is lowered from a crane and the jaws grasp the piling stub as the crane pulls up. The size of the clamshell bucket is minimized to reduce turbidity during piling removal.

**13. Federal Liability.** In issuing this permit, the Federal Government does not assume any liability for the following: (a) damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; (b) damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the U.S. in the public interest; (c) damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit; (d) design or construction deficiencies associated with the permitted work; (e) damage claims associated with any future modification, suspension, or revocation of this permit.

**14. Heavy Equipment in Wetlands.** Operating heavy equipment other than fixed equipment (drill rigs, fixed cranes, etc.) within wetlands shall be minimized, and such equipment shall not be stored, maintained or repaired in wetlands, to the maximum extent practicable. Where construction requires heavy equipment operation in wetlands, the equipment shall either have low ground pressure (typically <3 psi), or it shall be placed on swamp/construction/timber mats (herein referred to as "construction mats") that are adequate to support the equipment in such a way as to minimize disturbance of wetland soil and vegetation. Construction mats are to be placed in the wetland from the upland or from equipment positioned on swamp mats if working within a wetland. Dragging construction mats into position is prohibited. Other support structures that are capable of safely supporting equipment may be used with written Corps authorization. Similarly, the permittee may request written authorization from the Corps to waive use of mats during frozen or dry conditions. An adequate supply of spill containment equipment shall be maintained on site. Construction mats should be managed in accordance with the following construction mat best management practices:

- Mats should be in good condition to ensure proper installation, use and removal.
- Where feasible, mats should be carried and not dragged unless they are being used as a grading implement.
- Where feasible, place mats in a location that would minimize the amount needed for the wetlands crossing.
- Minimize impacts to wetland areas during installation, use, and removal.
- Install adequate erosion & sediment controls at approaches to mats to promote a smooth transition to, and minimize sediment tracking onto, swamp mats.
- In most cases, construction mats should be placed along the travel area so that the individual boards are resting perpendicular to the direction of traffic. No gaps should exist between mats. Place mats far enough on either side of the resource area to rest on firm ground.
- Provide standard construction mat BMP details to work crews.

**15. Temporary Fill.**

a. Temporary fill, construction mats and corduroy roads shall be **entirely** removed as soon as they are no longer needed to construct the authorized work. Temporary fill shall be placed in its original location or disposed of at an upland site and suitably contained to prevent its subsequent erosion into waters of the U.S.

b. All temporary fill and disturbed soils shall be stabilized to prevent its eroding into waters of the U.S. where it is not authorized. Work shall include phased or staged development to ensure only areas under active development are exposed and to allow for stabilization practices as soon as practicable. Temporary fill must be placed in a manner that will prevent it from being eroded by expected high flows.

c. Unconfined temporary fill authorized for discharge into waters of the U.S. shall consist of material that minimizes impacts to water quality (e.g. washed stone, stone, etc.).

d. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable when temporary structures, work, and discharges of dredged or fill material, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites. Materials shall be placed in a location and manner that does not adversely impact surface or subsurface water flow into or out of the wetland. Temporary fill authorized for discharge into wetlands shall be placed on geotextile fabric or other appropriate material laid on the pre-construction wetland grade where practicable to minimize impacts and to facilitate restoration to the original grade. Construction mats are excluded from this requirement.

e. Construction debris and/or deteriorated materials shall not be located in waters of the U.S.

## **16. Restoration of Inland Wetland Areas.**

a. Upon completion of construction, all disturbed wetland areas (the disturbance of these areas must be authorized) shall be stabilized with a wetland seed mix containing only plant species native to New England and shall not contain any species listed in the "Invasive and Other Unacceptable Plant Species" Appendix D in the "New England District Compensatory Mitigation Guidance" found at

<http://www.nae.usace.army.mil/Portals/74/docs/regulatory/Mitigation/CompensatoryMitigationGuidance.pdf>

b. The introduction or spread of invasive plant species in disturbed areas shall be controlled. If swamp or timber mats are to be used, they shall be thoroughly cleaned before re-use.

c. In areas of authorized temporary disturbance, if trees are cut they shall be cut at or above ground level and not uprooted in order to prevent disruption to the wetland soil structure and to allow stump sprouts to revegetate the work area, unless otherwise authorized.

d. Wetland areas where permanent disturbance is not authorized shall be restored to their original condition and elevation, which under no circumstances shall be higher than the pre-construction elevation. Original condition means careful protection and/or removal of existing soil and vegetation, and replacement back to the original location such that the original soil layering and vegetation schemes are approximately the same, unless otherwise authorized.

**17. Coastal Bank Stabilization.** Projects involving construction or reconstruction/maintenance of bank stabilization structures within Corps jurisdiction should be designed to minimize environmental effects, effects to neighboring properties, scour, etc. to the maximum extent practicable. For example, vertical bulkheads should only be used in situations where reflected wave energy can be tolerated. This generally eliminates bodies of water where the reflected wave energy may interfere with or impact on harbors, marinas, or other developed shore areas. A revetment is sloped and is typically employed to absorb the direct impact of waves more effectively than a vertical seawall. It typically has a less adverse effect on the beach in front of it, abutting properties and wildlife. For more information on this topic, go to the Corps Coastal Engineering Manual (supersedes the Shore Protection Manual), located at <http://chl.erdc.usace.army.mil>. Select "Products/ Services," "Publications." Part 5, Chapter 7-8, a (2) c.

**18. Soil Erosion and Sediment Controls.** Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the U.S. during periods of low-flow or no-flow, or during low tides.

## **19. Aquatic Life Movements & Management of Water Flows.**

a. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. Unless otherwise stated, activities impounding water in a stream require a PCN to ensure impacts to aquatic life species are avoided and minimized. All permanent and temporary crossings of waterbodies (e.g., streams, wetlands) shall be:

i. Suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species; and

ii. Properly aligned and constructed to prevent bank erosion or streambed scour both adjacent to and inside the culvert. Permanent and temporary crossings of wetlands shall be suitably culverted, spanned or bridged in such a manner as to preserve hydraulic and ecological connectivity between the wetlands on either side of the road.

b. To avoid adverse impacts on aquatic organisms, the low flow channel/thalweg shall remain unobstructed during periods of low flow, except when it is necessary to perform the authorized work.

c. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization and storm water management activities. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or



manage high flows. The activity may alter the preconstruction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

**20. Discharge of Pollutants.** All activities involving any discharge of pollutants into waters of the U.S. authorized under these GPs shall be consistent with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the CWA (33 U.S.C. 1251), and applicable state and local laws. If applicable water quality standards, limitations, etc., are revised or modified during the term of this permit, the authorized work shall be modified to conform with these standards within 6 months of the effective date of such revision or modification, or within a longer period of time deemed reasonable by the District Engineer in consultation with the Regional Administrator of the EPA. Applicants may presume that state water quality standards are met with issuance of the Section 401 WQC (Applicable only to the Section 404 activity).

**21. Spawning, Breeding, and Migratory Areas**

a. Jurisdictional activities and impacts such as excavations, discharges of dredged or fill material, and/or suspended sediment producing activities in jurisdictional waters that provide value as fish migratory areas, fish and shellfish spawning or nursery areas, or amphibian and migratory bird breeding areas, during spawning or breeding seasons shall be avoided and minimized to the maximum extent practicable.

b. Jurisdictional activities in waters of the U.S. that provide value as breeding areas for migratory birds must be avoided to the maximum extent practicable. The permittee is responsible for obtaining any "take" permits required under the USFWS's regulations governing compliance with the Migratory Bird Treaty Act or the Bald and Golden Eagle Protection Act. The permittee should contact the appropriate local office of the USFWS to determine if such "take" permits are required for a particular activity.

**22. Storage of Seasonal Structures.** Coastal structures, such as pier sections and floats, that are removed from the waterway for a portion of the year (often referred to as seasonal structures) shall be stored in an upland location, located above mean high water (MHW) and **not** in tidal wetlands. These seasonal structures may be stored on the fixed, pile-supported portion of the structure that is seaward of MHW. This is intended to prevent structures from being stored on the marsh substrate and the substrate seaward of MHW.

**23. Environmental Functions and Values.** The permittee shall make every reasonable effort to carry out the construction or operation of the work authorized herein in a manner that minimizes any adverse impacts on existing fish, wildlife, and the environmental functions to the extent practicable. The permittee will discourage the establishment or spread of plant species identified as non-native invasive species by any federal or state agency.

**24. Vernal Pools.**

a. Only vernal pools that meet the current definition of waters of the U.S. are regulated by the Corps.

b. Direct and indirect adverse effects to all vernal pools (VPs), including their envelopes and critical terrestrial habitats (VP Management Areas), shall be avoided and minimized to the maximum extent practicable. Site clearing, grading, and construction activities associated with a regulated activity in the VP Management Area may cause these adverse effects to the VP.

c. When any regulated activities occur within 750 feet of a vernal pool, the following management practices must be followed for all work within any VP Management Area (750' of a VP's edge) *in order to qualify for SV*:

i. No disturbance within the VP Depression or VP Envelope (area within 100 feet of the VP Depression's edge)— does not apply to temporary impact associated with construction mats in previously disturbed areas of existing utility projects or linear transportation projects provided there is a Vegetation Management Plan that avoids, minimizes and mitigates impacts to aquatic resources.

ii. Maintain a minimum of 75% of the Critical Terrestrial Habitat (area within 100-750 feet of the VP Depression's edge) as unfragmented forest with at least a partly-closed canopy of overstory trees to provide shade, deep litter and woody debris;

iii. Maintain or restore forest corridors connecting wetlands and significant vernal pools;

iv. Minimize forest floor disturbance;

- v. Maintain native understory vegetation and downed woody debris; and
- vi. Cape Cod style-curbing or no curbing options shall be used on new roads to facilitate amphibian passage.

d. A PCN is required for any regulated activity within 750' of a vernal pool when all work within the VP Management Area does not comply with the SV requirements in (c) above. Information on directional buffers in accordance with the VP Directional Buffer Guidance document may be provided in order to demonstrate minimal impact and avoid compensation requirements. Conservation of the un-impacted area within the VP Management Area will often be required.

## **25. Invasive Species.**

a. The introduction, spread, or the increased risk of invasion of invasive plant or animal species on the project site, into new or disturbed areas, or areas adjacent to the project site caused by the site work shall be avoided. Hence, swamp and timber mats shall be thoroughly cleaned before reuse.

b. Unless otherwise directed by the Corps, all applications for PCN inland projects proposing fill in Corps jurisdiction shall include an Invasive Species Control Plan. Additional information can be found at [www.hort.uconn.edu/cipwg/](http://www.hort.uconn.edu/cipwg/)

**26. Permit/Authorization Letter On-Site.** For PCN projects, the permittee shall ensure that a copy of these GPs and the accompanying authorization letter are at the work site (and the project office) whenever work is being performed, and that all personnel with operational control of the site ensure that all appropriate personnel performing work are fully aware of its terms and conditions. The entire permit authorization shall be made a part of any and all contracts and sub-contracts for work that affects areas of Corps jurisdiction at the site of the work authorized by these GPs. This shall be achieved by including the entire permit authorization in the specifications for work. The term "entire permit authorization" means these GPs, including General Conditions and the authorization letter (including its drawings, plans, appendices and other attachments) and also includes permit modifications. If the authorization letter is issued after the construction specifications, but before receipt of bids or quotes, the entire permit authorization shall be included as an addendum to the specifications. If the authorization letter is issued after receipt of bids or quotes, the entire permit authorization shall be included in the contract or sub-contract as a change order. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions contained within the entire authorization letter, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps jurisdiction.

**27. Inspections.** The permittee shall allow the Corps to make periodic inspections at any time deemed necessary in order to ensure that the work is being or has been performed in accordance with the terms and conditions of this permit. The Corps may also require post-construction engineering drawings for completed work or post-dredging survey drawings for any dredging work.

**28. Maintenance.** The permittee shall maintain the activity authorized by these GPs in good condition and in conformance with the terms and conditions of this permit. This does not include maintenance of dredging projects. Maintenance dredging is subject to the review thresholds in Appendix A – General Permit #7 as well as any conditions included in a written Corps authorization. Maintenance dredging includes only those areas and depths previously authorized and dredged. Some maintenance activities may not be subject to regulation under Section 404 in accordance with 33 CFR 323.4(a) (2).

**29. Property Rights.** These GPs do not convey any property rights, either in real estate or material, or any exclusive privileges, nor does it authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations.

**30. Transfer of GP Verifications.** When the work authorized by these GPs are still in existence at the time the property is transferred, the terms and conditions, including any special conditions, will continue to be binding on the entity or individual who received the authorization, as well as the new owner(s) of the property. If the permittee sells the property associated with a General Permit authorization, the permittee may transfer the General Permit authorization to the new owner by submitting a letter to the Corps to validate the transfer. A



copy of the General Permit authorization letter must be attached to the letter, and the letter must include the following statement: "The terms and conditions of these General Permits, including any special conditions, will continue to be binding on the new owner(s) of the property". This letter should be signed by both the seller and new property owner(s).

**31. Modification, Suspension, and Revocation.** This permit and any individual authorizations issued thereof may either be modified, suspended, or revoked in whole or in part pursuant to the policies and procedures of 33 CFR 325.7; and any such action shall not be the basis for any claim for damages against the United States.

**32. Special Conditions.** The Corps may impose other special conditions on a project authorized pursuant to this general permit that are determined necessary to minimize adverse environmental effects or based on any other factor of the public interest. These may be based on concerns from CT DEEP or a Federal resource agency. Failure to comply with all conditions of the authorization, including special conditions, will constitute a permit violation and may subject the permittee to criminal, civil, or administrative penalties and/or restoration.


**33. False or Incomplete Information.** If the Corps makes a determination regarding the eligibility of a project under this permit, and subsequently discovers that it has relied on false, incomplete, or inaccurate information provided by the permittee, the authorization will not be valid, and the U.S. government may institute appropriate legal proceedings.


**34. Abandonment.** If the permittee decides to abandon the activity authorized under this General Permit, unless such abandonment is merely the transfer of property to a third party, he/she may be required to restore the area to the satisfaction of the Corps.

**35. Enforcement cases.** These GPs do not apply to any existing or proposed activity in Corps jurisdiction associated with an on-going Corps or EPA enforcement action, until such time as the enforcement action is resolved or the Corps determines that the activity may proceed independently without compromising the enforcement action.

**36. Duration of Authorization.** These GPs expire five years from the date issued as listed at the top of the cover sheet. Activities authorized by these GPs that have either commenced (i.e., are under construction) or are under contract to commence in reliance upon this authorization will have an additional year from the expiration date to complete the work. The permittee must be able to document to the Corps' satisfaction that the project was under construction or under contract by the expiration date of these GPs. If work is not completed within the one year extended timeframe, the permittee must contact the Corps. The Corps may issue a new authorization provided the project meets the terms and conditions of the CT GPs in effect at the time.

Activities authorized under these GPs will remain authorized until the GP expires, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 325.2(e)(2). Activities completed under the SV or PCN authorizations of these GPs will continue to be authorized after its expiration date.

  
Jennifer L. McCarthy  
Chief, Regulatory Division

  
Date



## APPENDIX C

### GENERAL PERMIT 16 - STANDARD AQUACULTURE TERMS AND CONDITIONS

#### DEPARTMENT OF THE ARMY/STATE OF CONNECTICUT

#### 2016 Connecticut General Permit

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1. Aquaculture activities under this General Permit as identified within Appendix 2, Section F are subject to the current General Permit Conditions and Requirements of the Connecticut General Permit.
2. All gear, including buoys shall be marked and maintained in a manner that will make it identifiable to the specific aquaculture project/lease.
3. Before the authorized structures are installed the project proponent **must** contact the CT DEEP Boating Division, Navigation Safety/Boating Access Unit, P.O. Box 280, 333 Ferry Road, Old Lyme, CT 06371-0280 to either obtain a waiver as to the need to install gear-area boundary marker buoys or submit a permit application and receive authorization for Regulatory Markers ([Link to Regulatory Marker Permit](#)). If CT DEEP Boating regulation does not apply, the applicant shall contact the U.S. Coast Guard (USCG), First District; Aids to Navigation Branch at 408 Atlantic Avenue, Boston, MA 02110-3350 (800-848-3942) to coordinate the proper buoy markers. The permittee shall install and maintain lights, markings and other features as the CT DEEP/USCG requires. Note: Documentation of this coordination will be necessary for existing operations that seek reconfigurations and/or new approvals for structures from the Dept. of Army and for authorizations from the CT DA/BA.
4. Gear may not be located over or within beds of submerged aquatic vegetation (SAV) such as eelgrass or turtle grass, and coastal wetlands (salt marsh), nor shall such beds or vegetated marsh areas be damaged or removed. Routine lease activity including cage maintenance, washing etc. shall not occur within 25 feet of the edge of beds of SAV.
5. All gear shall be designed and deployed in such a manner as to limit, to the greatest extent practicable, negative impacts on avian resources such as, but not limited to, shore birds, wading birds or members of the waterfowl group. This is meant to include nesting, feeding or resting activities by migratory birds identified at 50 CFR 10.13.
6. Installation of structures, their mooring tackle and lines and any attendant vessels shall not create a hazard or interfere with existing navigation uses in the waterway, and structures shall be set back from the Federal Navigation Project (FNP) a distance of at least 200 feet. A list of Connecticut FNP projects can be obtained from the U.S Army Corps of Engineers website <http://www.nae.usace.army.mil/Missions/Navigation/Connecticut-Projects/>

## **APPENDIX C**

### **GENERAL PERMIT 16 - STANDARD AQUACULTURE TERMS AND CONDITIONS**

#### **DEPARTMENT OF THE ARMY/STATE OF CONNECTICUT**

#### **2016 Connecticut General Permit**

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7. The right of the public to traverse or utilize the waters not physically occupied by authorized structures and/or moored vessels within the areal limits of the authorized gear perimeter shall not be impeded.
8. The placement of cultch shall comply with all of the Special Conditions in Section 5, part (h), items (1) through (7) of the Connecticut DEEP, General Permit for Coastal Maintenance (DEEP-OLISP-GP2015-02) as listed below:
  - Such placement of cultch shall only be conducted by a licensed shellfish operator in beds or areas designated for shellfishing under section 26-194 or section 26-242 of the General Statutes.
  - Such placement of cultch shall be conducted only in appropriate locations for colonization by oysters, based upon factors of salinity, water quality, water circulation patterns and substrate composition.
  - Such placement of cultch shall not be conducted in areas of tidal wetlands or submerged aquatic vegetation beds.
  - (Prior to the commencement of such placement of cultch, such licensed shellfish operator obtains all required authorizations from the Department of Agriculture Bureau of Aquaculture and Laboratory and the local shellfish commission, as applicable.
  - Prior to the commencement of such placement of cultch, such licensed shellfish operator obtains permission in writing from the owner or lessee of such shellfish bed or area.
  - Such placement of cultch shall be conducted in such a manner that it does not exceed a layer of cultch on the seafloor greater than 12" in depth.
  - Such placement of cultch shall be conducted such that the placement does not exceed 1,500 bushels per acre of seafloor.

## APPENDIX C

### GENERAL PERMIT 16 - STANDARD AQUACULTURE TERMS AND CONDITIONS

#### DEPARTMENT OF THE ARMY/STATE OF CONNECTICUT 2016 Connecticut General Permit

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9. The permittee shall be responsible to remove all gear and associated equipment within any leased or designated shellfish area in the event that the operator surrenders or loses the right to its use.<sup>1</sup>
10. The subject aquaculture activity shall not discernibly interfere with natural sedimentation and erosion processes.
11. Suspended cages or nets for the rearing or grow out of shellfish are permitted as Self Verification, provided they are located wholly below and within the footprint of an existing, authorized fixed or floating structure and provided there is a vertical clearance of at least 2 feet between the bottom of the gear and the sea floor at MLW. The structures that the gear will be adhered to must be in conformance with the structures permit for that "site."
12. Aquaculture projects authorized herein shall not interfere with public shore access at or below mean high water or interfere with the access to any riparian or littoral property.
13. The following conditions may be required as Special Conditions of an authorization to protect Federally-listed, protected sea turtles:
  - a. All gear, including buoys shall be marked and maintained in a manner that will make it identifiable to the specific aquaculture project/lease.
  - b. The length of the buoy line shall not exceed 23.1 feet (10% of the maximum water depth at MHHW at the lease site)
  - c. The gear sites shall be visited by an attendant surface vessel at least once a week, site conditions permitting.

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<sup>1</sup> In some situations, a performance bond may be required.

## **APPENDIX C**

### **GENERAL PERMIT 16 - STANDARD AQUACULTURE TERMS AND CONDITIONS**

#### **DEPARTMENT OF THE ARMY/STATE OF CONNECTICUT**

#### **2016 Connecticut General Permit**

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- d. If any listed species of sea turtle is observed to be entangled or otherwise interacting with the facility structure, the permittee (or onboard staff) shall immediately contact the Mystic Aquarium & Institute for Exploration, Marine Mammal and Sea Turtle Stranding Program Hotline at 860-572-5955 x107 and notify the NOAA Fisheries 24-hour Hotline at (866) 755-6622. The permittee should also contact the NOAA Fisheries Protected Resources Division, Sea Turtle Stranding & Disentanglement Coordinator at (978) 282-8470 or [NERStranding.staff@noaa.gov](mailto:NERStranding.staff@noaa.gov).
- e. The permittee shall keep the enclosed Sea Turtle Handling and Resuscitation Requirements in a visible location on the attendant vessels at all times. If a sea turtle is entangled in the authorized aquaculture gear and comatose or inactive (but not dead), resuscitation should be attempted by following these procedures.



## APPENDIX D

### CONTACTS FOR CONNECTICUT GENERAL PERMIT:

#### **1. FEDERAL**

##### ***U.S. Army Corps of Engineers***

New England District, Regulatory Division  
696 Virginia Road  
Concord, Massachusetts 01742-2751  
(800) 343-4789 or (978) 318-8335  
(978) 318-8303 - fax

##### ***Federal Endangered Species (F&WS):***

U.S. Fish and Wildlife Service  
70 Commercial Street, Suite 300  
Concord, New Hampshire 03301-5087  
(603) 223-2541

##### ***U.S. Environmental Protection Agency, Region I***

5 Post Office Square, Suite 100  
Boston, Massachusetts 02109  
(617) 918-2000

##### ***National Park Service***

North Atlantic Region  
15 State Street  
Boston, Massachusetts 02109  
(617) 223-5203  
(Wild & Scenic Rivers)

##### ***Federal Endangered Species & EFH (NMFS)***

National Marine Fisheries Service  
55 Great Republic Drive  
Gloucester, MA 01930  
Phone: (978) 281-9102  
(978) 281-9301 - fax

##### ***Department of Agriculture***

Bureau of Aquaculture  
P. O. Box 97  
190 Rogers Avenue  
Milford, Connecticut 06460  
(203) 874-0696

#### **2. STATE OF CONNECTICUT**

##### ***Department of Energy & Environmental Protection***

##### ***(Coastal Projects)***

Office of Long Island Sound Programs  
79 Elm Street  
Hartford, Connecticut 06106-5127  
(860) 424-3034

##### ***(Inland Projects)***

Inland Water Resources Division  
79 Elm Street  
Hartford, Connecticut 06106-5127  
(860) 424-3019

##### ***(Mashantucket Pequot Tribal Nation)***

Department of Natural Resources Protection &  
Regulatory Affairs  
550 Trolley Line Boulevard  
P. O. Box 3202  
Mashantucket, Connecticut 06338-3202

##### ***(Aquaculture Projects)***

Connecticut Department of Agriculture  
Bureau of Aquaculture & Laboratory  
PO Box 97  
Milford, CT 06460  
(203) 874-0696

##### ***(State Endangered Species)***

Bureau of Natural Resources  
Wildlife Division  
Natural Diversity Data  
Base  
79 Elm Street  
Hartford, Connecticut 06106-5127  
(860) 424-3011

### **3. HISTORIC RESOURCES**

#### ***Tribal Historic Preservation Officers***

Mashantucket Pequot Tribal Nation  
Marissa Turnbull, THPO  
550 Trolley Line Boulevard  
P. O. Box 3202  
Mashantucket, Connecticut 06338-3202  
Phone (860) 396-6887  
Fax (860) 396-6914

Mohegan Tribe of Indians of Connecticut  
James Quinn, Tribal Historic Preservation Officer  
13 Crow Hill Rd.  
Uncasville, CT 06382

Mohegan Tribe of Indians of Connecticut  
Compliance and Regulations Department  
13 Crow Hill Road  
Uncasville, CT 06382

Phone (860) 862-6393  
Fax (860) 862-6395

#### ***Archaeological Information***

State Historic Preservation Office  
Department of Economic and Community Development  
Catherine Labadia, Deputy State Historic Preservation Officer  
One Constitution Plaza, 2<sup>nd</sup> Floor  
Hartford, Connecticut 06103-6103  
(860) 256-2800 (main)  
(860) 256-2764 (direct)

### **4. ORGANIZATIONAL WEBSITES**

U. S. Army Corps of Engineers – New England District

[www.nae.usace.army.mil/missions/regulatory.aspx](http://www.nae.usace.army.mil/missions/regulatory.aspx)

U. S. Army Corps of Engineers Headquarters [www.usace.army.mil](http://www.usace.army.mil) (click “Services for the Public”)

U.S. Environmental Protection Agency [www.epa.gov/owow/wetlands/](http://www.epa.gov/owow/wetlands/)

National Marine Fisheries Service [www.nmfs.noaa.gov](http://www.nmfs.noaa.gov)

U.S. Fish and Wildlife Service [www.fws.gov](http://www.fws.gov)

National Park Service [www.nps.gov/rivers/index.html/](http://www.nps.gov/rivers/index.html/)

Federal Emergency Management Agency [www.fema.gov](http://www.fema.gov)

Connecticut Dept. of Energy & Environmental Protection <http://www.ct.gov/deep/site/default.asp>

Connecticut Dept. of Agriculture, Bureau of Aquaculture & Laboratory  
<http://www.ct.gov/doag/cwp/view.asp?a=3768&q=451508&doagNav=>

U.S. Environmental Protection Agency, Region 1 – Low Impact Development-practices and state-specific resources, including CT DEP Stormwater Quality Manual [www.epa.gov/ne/topics/water/lid.html](http://www.epa.gov/ne/topics/water/lid.html)

U.S. Environmental Protection Agency – Green Infrastructure website [www.epa.gov/greeninfrastructure](http://www.epa.gov/greeninfrastructure)



**US Army Corps  
of Engineers®**  
New England District

## Appendix E: Self-Verification Notification Form

This form is required for all **non-tidal projects in Connecticut**, but **not** required if work is done within boundaries of Mashantucket Pequot or Mohegan Tribal Lands. **Before** work commences, complete **all** fields (write "none" if applicable); attach project plans (not required for projects involving the installation of construction mats only); and any state or local approval(s); and send to:

Permits & Enforcement Branch B  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751  
or [cenae-r@usace.army.mil](mailto:cenae-r@usace.army.mil)

and

CT DEEP  
Inland Water Resources Division  
79 Elm Street  
Hartford, CT 06106-5127

\*\*\*\*\*

State or local Permit Number: \_\_\_\_\_

Date of State or local Permit: \_\_\_\_\_

State/local Project Manager: \_\_\_\_\_

Permittee: \_\_\_\_\_

Address, City, State & Zip: \_\_\_\_\_

Phone(s) and Email: \_\_\_\_\_

Contractor: \_\_\_\_\_

Address, City, State & Zip: \_\_\_\_\_

Phone(s) and Email: \_\_\_\_\_

Consultant/Engineer/Designer: \_\_\_\_\_

Address, City, State & Zip: \_\_\_\_\_

Phone(s) and Email: \_\_\_\_\_

Wetland/Soil Scientist Consultant: \_\_\_\_\_

Address, City, State & Zip: \_\_\_\_\_

Phone(s) and Email: \_\_\_\_\_

Project Location (provide detailed description & locus map): \_\_\_\_\_

Address, City, State & Zip: \_\_\_\_\_

Latitude/Longitude Coordinates: \_\_\_\_\_

Waterway Name: \_\_\_\_\_

Project Purpose (include all aspects of the project including those not within Corps jurisdiction):

Work Description: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Work will be done under the following GP(s) (check all that have associated impacts):**

**\_\_\_\_\_ GP. 2 - Repair or maintenance of authorized or grandfathered structures/fills**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 5 - Boat ramps/marine railways**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 6 - Utility line activities (include calculations for each single & complete crossing**

**– attach additional sheet if necessary)**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 9 - Shoreline and bank stabilization projects**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 10 - Aquatic habitat restoration, establishment and enhancement activities**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 11 - Fish & wildlife harvesting, enhancement and attraction devices and activities**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 12 - Oil Spill and Hazardous material cleanup**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 13 - Cleanup of hazardous and toxic waste**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 14 - Scientific measurements devices**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 15 - Survey activities**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 17 - New/expanded developments & recreational facilities**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 18 - Linear transportation projects- wetland crossings only (include calculations for each single & complete crossing - attach additional sheet if necessary)**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF  
Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 19 - Stream, river & brook crossings – not including wetland crossings (include calculations for each single & complete crossing – attach additional sheet if necessary)**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF  
Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**\_\_\_\_\_ GP. 21 - Temporary fill not associated with any other GP activities**

Area of total wetland impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF  
Area of total waterway impacts: temporary \_\_\_\_\_ SF permanent \_\_\_\_\_ SF

**Does your project include any secondary effects?** Yes \_\_\_\_\_ No \_\_\_\_\_  
(Secondary effects include, but are not limited to non-tidal waters or wetlands drained, flooded, fragmented, or mechanically cleared resulting from a single and complete project. See Appendix F - Definitions.) If YES, describe here: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Proposed Work Dates:** Start: \_\_\_\_\_ Finish: \_\_\_\_\_

**Your name/signature below, as permittee, confirms that your project meets the self-verification criteria and that you accept and agree to comply with the applicable terms and conditions in the Connecticut General Permits.**

\_\_\_\_\_  
**Signature of Permittee**

\_\_\_\_\_  
**Date**





## APPENDIX F - DEFINITIONS

**Artificial Reef:** A structure which is constructed or placed in waters for the purpose of enhancing fishery resources and commercial and recreational fishing opportunities.

**Boating facilities:** These provide, rent or sell mooring space, such as marinas, boat/yacht clubs, boat yards, dockminiums, town facilities, dockominiums, etc. Not classified as boating facilities are piers shared between two abutting properties or town mooring fields that charge an equitable user fee based on the actual costs incurred.

**Construction mats:** Construction, swamp and timber mats (herein referred to as "construction mats") are generic terms used to describe structures that distribute equipment weight to prevent wetland damage while facilitating passage and providing work platforms for workers and equipment. They are comprised of sheets or mats made from a variety of materials in various sizes. A timber mat consists of large timbers bolted or cabled together.

**Compensatory mitigation:** The restoration (re-establishment or rehabilitation), establishment (creation), enhancement, and/or in certain circumstances preservation of aquatic resources for the purposes of offsetting unavoidable adverse impacts which remain after all appropriate and practicable avoidance and minimization has been achieved.

**Currently serviceable:** Useable as is or with some minor maintenance, but not so degraded as to essentially require reconstruction.

**Direct effects:** Effects that are caused by the activity and occur at the same time and place.

**Dredged material & discharge of dredged material:** These are defined at 33 CFR 323.2(c) and (d). The term dredged material means material that is excavated or dredged from waters of the United States.

**Discharge:** The term "discharge" means any discharge of dredged or fill material into waters of the United States.

**Enhancement:** The manipulation of the physical, chemical, or biological characteristics of an aquatic resource to heighten, intensify, or improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

**Ephemeral stream:** An ephemeral stream has flowing water only during, and for a short duration after, precipitation events in a typical year. Ephemeral stream beds are located above the water table year-round. Groundwater is not a source of water for the stream. Runoff from rainfall is the primary source of water for stream flow.

**Establishment (creation):** The manipulation of the physical, chemical or biological characteristics present to develop an aquatic resource that did not previously exist at an upland site. Establishment results in a gain in aquatic resource area.

**Expansions:** Work that increases the footprint of fill, depth of basin or drainage feature, structures or floats, or slip capacity.

**Fill material & discharge of fill material:** These are defined at 33 CFR 323.2(e) and (f). The term fill material is defined as material placed in waters of the U.S. where the material has the effect of either replacing any portion of a water of the U.S. with dry land or changing the bottom elevation of any portion of a water of the U.S.

**Federal navigation projects (FNPs):** These areas are maintained by the Corps; authorized, constructed and maintained on the premise that they will be accessible and available to all on equal terms; and are comprised of Corps Federal anchorages, Federal channels and Federal turning basins. Information, including the limits, is provided at <http://www.nae.usace.army.mil/Missions/Navigation.aspx>

**FNP Buffer Zone:** The buffer zone of a Corps FNP is equal to three times the authorized depth of the FNP. For additional information see <http://www.nae.usace.army.mil/Missions/Navigation/Connecticut-Projects/>

**Historic Property:** Any prehistoric or historic district, site (including archaeological site), building, structure, or other object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria (36 CFR part 60).

**Intermittent stream:** An intermittent stream has flowing water during certain times of the year, when groundwater provides water for stream flow. During dry periods, intermittent streams may not have flowing water. Runoff from rainfall is a supplemental source of water for stream flow.

**Indirect effects:** Effects that are caused by the activity and are later in time or farther removed in distance, but are still reasonably foreseeable.

**Individual Permit:** A Department of the Army authorization that is issued following a case-by-case evaluation of a specific structure or work in accordance with the procedures of 33 CFR 322, or a specific project involving the proposed discharge(s) in accordance with the procedures of 33 CFR 323, and in accordance with the procedures of 33 CFR 325 and a determination that the proposed discharge is in the public interest pursuant to 33 CFR 320.

**Living Shoreline:** A term used to describe a combination of mostly naturally derived materials including plants, shell and rock or manufactured rock-like surfaces that are used along a shoreline exhibiting erosion to dissipate wave energy and to collect naturally deposited sediment.

**Maintenance:** Maintenance does not include any modification that changes the character, scope, or size of the original fill design.

**Navigable waters of the United States:** Navigable waters of the United States are those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. The Connecticut River has been determined to be a Navigable water of the United States. Refer to Title 33 CFR Part 329.

**Ordinary High Water Mark (OHW):** A line on the shore established by the fluctuations of water and indicated by physical characteristics, or by other appropriate means that consider the characteristics of the surrounding areas. See 33 CFR 328.3(e).

**Perennial stream:** A perennial stream has flowing water year-round during a typical year. The water table is located above the stream bed for most of the year. Groundwater is the primary source of water for stream flow. Runoff from rainfall is a supplemental source of water for stream flow.

**Practicable:** Available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes.

**Preservation:** The removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

**Re-establishment:** The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former aquatic resource. Re-establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area.

**Rehabilitation:** The manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

**Restoration:** The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: reestablishment and rehabilitation.

**Secondary effects:** These are effects on an aquatic ecosystem that are associated with a discharge of dredged or fill materials, but do not result from the actual placement of the dredged or fill material. Information about secondary effects on aquatic ecosystems shall be considered prior to the time final Section 404 action is taken by permitting authorities. Some examples of secondary effects on an aquatic ecosystem are a) aquatic areas drained, flooded, fragmented, or mechanically cleared, b) fluctuating water levels in an impoundment and downstream associated with the operation of a dam, c) septic tank leaching and surface runoff from residential or commercial developments on fill, and d) leachate and runoff from a sanitary landfill located in waters of the U.S. See 40 CFR 230.11(h).

**Shellfish dredging:** Shellfish dredging typically consists of a net on a frame towed behind a boat to capture shellfish and leave the sediment behind. Dredges may skim the surface, utilize hydraulic jets, toothed rakes or suction apparatus.

**Special aquatic sites:** These include inland and saltmarsh wetlands, mud flats, vegetated shallows (submerged aquatic vegetation), sanctuaries and refuges, coral reefs, and riffle and pool complexes. These are defined at 40 CFR 230.3 and listed in 40 CFR 230 Subpart E.

**Stream bed:** The substrate of the stream channel between the OHW marks. The substrate may be bedrock or inorganic particles that range in size from clay to boulders. Wetlands contiguous to the streambed, but outside of the OHW marks, are not considered part of the streambed.

**Stream channelization:** The manipulation of a stream's course, condition, capacity, or location that causes more than minimal interruption of normal stream processes. A channelized stream remains a water of the United States.

**Structure:** An object that is arranged in a definite pattern of organization. Examples of structures include, without limitation, any pier, boat dock, boat ramp, wharf, dolphin, weir, boom, breakwater, bulkhead, revetment, riprap, jetty, artificial island, artificial reef, permanent mooring structure, power transmission line, permanently moored floating vessel, piling, aid to navigation, or any other manmade obstacle or obstruction.

**Temporary impacts:** Temporary impacts include waters of the U.S. that are temporarily filled, flooded, excavated, drained or mechanically cleared because of the regulated activity.

**Tide gates:** Structures such as duckbills, flap gates, manual and self-regulating tide gates, etc. that regulate or prevent upstream tidal flows.

**Utility Line:** Any pipe or pipeline for the transportation of any gaseous, liquid, liquescent, or slurry substance, for any purpose, and any cable, line, or wire for the transmission for any purpose of electrical energy, telephone, data, and telegraph messages, and radio and television communication. The term utility line does not include activities that drain a water of the U.S., such as drainage tile or French drains, but it does apply to pipes conveying drainage from another area.

**Vegetated shallows:** Permanently inundated areas that under normal circumstances support communities of rooted aquatic vegetation, such as eelgrass and widgeon grass (*Rupia maritima*) in marine systems (doesn't include salt marsh) as well as a number of freshwater species in rivers and lakes. Note: These areas are also commonly referred to as submerged aquatic vegetation (SAV).

**Vernal pools (VPs):** Vernal pools (VPs): For the purposes of these GPs, VPs are depressional wetland basins that typically go dry in most years and may contain inlets or outlets, typically of intermittent flow. Vernal pools range in both size and depth depending upon landscape position and parent material(s). In most years, VPs support one or more of the following obligate indicator species: wood frog, spotted salamander, blue-spotted salamander, marbled salamander, Jefferson's salamander and fairy shrimp. However, they should preclude sustainable populations of predatory fish. VP areas are:

- Depression (includes the VP depression up to the spring or fall high water mark, and includes any vegetation growing within the depression),
- Envelope (area within 0-100 feet of the VP depression's edge), and
- Critical terrestrial habitat (area within 100-750 feet of the VP depression's edge).

The envelope and critical terrestrial habitat protect the water quality of the breeding site (e.g., providing shade, leaf litter, and coarse woody material) and support the non-larval life-cycle stages of amphibian species. Note: The Corps may determine that a waterbody should not be designated as a VP based on available evidence.

**Weir:** A barrier across a river designed to alter the flow characteristics. In most cases, weirs take the form of a barrier, smaller than most conventional dams, across a river that causes water to pool behind the structure (not unlike a dam) and allows water to flow over the top. Weirs are commonly used to alter the flow regime of the river, prevent flooding, measure discharge and help render a river navigable.

**Waters of the United States.:** Waters of the United States are defined in Title 33 CFR Part 328. These waters include more than navigable waters of the U.S. and are the waters where permits are required for the discharge of dredged or fill material pursuant to Section 404 of the Clean Water Act. Waters of the U.S. include jurisdictional wetlands.





**US Army Corps  
of Engineers®**  
New England District

**APPENDIX G**  
**Connecticut General Permits  
Stream Crossing Best Management Practices (BMPs)**

Design and construction guidance may be found in the U.S. Forest Service stream simulation manual, "Stream Simulation: An Ecological Approach to Providing Passage for Aquatic Organisms at Road-Stream Crossings"<sup>1</sup>. Section 5.3.3 Headcutting Potential and 6.2 Design of the Stream-Simulation Channel Bed are particularly relevant. Sections 7.5.2.3 Construction Methods and 8.2.11 Stream-Simulation Bed Material Placement both show important steps in the project construction. Chapter 6.1 is relevant for proper alignment and construction to prevent bank erosion or streambed scour.

**Permanent Crossings in Tidal Streams**

These are relevant for new and replacement crossings and culvert extensions.

1. Match the velocity, depth, cross-sectional area, and substrate of the existing stream outside the crossing, if it exists, and size crossings such that they do not restrict tidal flow over the full natural tide range seaward of the crossing. The Corps will typically require a low lying property analysis to ensure flooding is not a concern.
2. Construct crossings in dry conditions.

**Permanent Crossings in Non-Tidal Streams**

These are relevant for new and replacement crossings and culvert extensions.

1. Span<sup>2</sup> streams or size culverts or pipe arches such that they are wider than bankfull width (BFW). Spans are strongly preferred as they avoid or minimize disruption to the streambed, and avoid entire streambed reconstruction and maintenance inside the culvert or pipe arch (see 4, 5 & 7 below), which may be difficult in smaller structures. The span width of bridges, box culverts and arches at bankfull elevation should be  $\geq 1.2$  times BFW where practicable. In many cases bankfull width is not necessarily interchangeable with the elevation of ordinary high water.<sup>3</sup>
2. Embed culverts or pipe arches below the grade of the streambed. This is not required when ledge/bedrock and/or utilities prevents embedment, in which case spans are preferred. The following depths are recommended to prevent streambed washout, and ensure compliance and long-term success:
  - a.  $\geq 1$ -2 feet for box culverts and pipe arches<sup>4</sup>, or
  - b.  $\geq 1$ -2 feet and at least 25% for round pipe culverts.
3. Match the culvert gradient (slope) with the stream channel profile.
4. Construct crossings carrying normal flows with a natural bottom substrate within the structure matching the characteristics of the substrate in the natural stream channel and the banks

---

<sup>1</sup> [www.nae.usace.army.mil/missions/regulatory.aspx](http://www.nae.usace.army.mil/missions/regulatory.aspx) >> "Stream and River Continuity."

<sup>2</sup> For the purposes of this GP, spans are bridges, three-sided box culverts, open-bottom culverts or arches that span the stream. The use of bridge piers or similar supports does not prevent a structure from being considered as a span.

<sup>3</sup> BFW corresponds with "bankfull stage" and this should be field delineated in accordance with the U.S. Forest Service documents: a) [U.S. Forest Service stream simulation manual](#)<sup>1</sup>; b) ["Stream Channel Reference Sites: An Illustrated Guide to Field Technique"](#) (Harrelson, et al. 1994); and c) ["A Guide to Identification of Bankfull Stage in the Northeastern United States"](#).

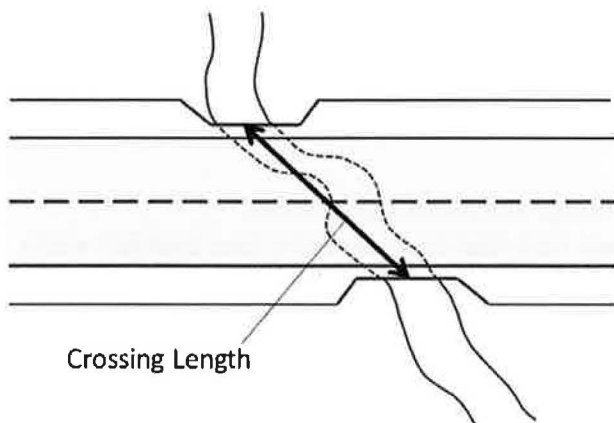
<sup>4</sup> For 2(a) and 2(b), deeper embedment depths may be needed if there are elements of the constructed stream bed that are greater than 15 inches in diameter.

(mobility, slope, stability, confinement, grain and rock size) at the time of construction and over time as the structure has had the opportunity to pass substantial high flow events.

5. Construct crossings with appropriate bed forms and streambed characteristics so that water depths and velocities are comparable to those found in the natural channel at a variety of flows at the time of construction and over time. In order to provide appropriate water depths and velocities at a variety of flows and especially low flows, it is usually necessary to reconstruct the streambed (sometimes including a low flow channel), or replicate or preserve the natural channel within the structure. Otherwise, the width of the structure needed to accommodate higher flows will create conditions that are too shallow at low flows. The grain and rock size, and arrangement of streambed materials within the structure should be in accordance with (4) above. Flows could go subsurface within the structure if only large material is used without smaller material filling the voids.

6. *Openness > 0.82 feet (0.25 meters)*

Openness is the cross-sectional area of a structure opening divided by its crossing length when measured in consistent units (e.g. feet). For a box culvert, openness = (height x width)/ length.



For crossing structures with multiple cells or barrels, openness is calculated separately for each cell or barrel. At least one cell or barrel must meet the appropriate openness standard. The embedded portion of a culvert is not included in the calculation of cross-sectional area for determining openness.<sup>5</sup>

Openness > 0.82 feet is recommended to make the structure more likely to pass small, riverine wildlife such as turtles, mink, muskrat and otter that may tend to

avoid structures that appear too constricted. This openness standard is too small to accommodate large wildlife such as deer, bear, and moose. Structures that meet this openness standard are much more likely than traditional culverts to pass flood flows and woody debris that would otherwise obstruct water passage. It is likely that most structures that meet all the other general standards will also meet this openness standard. However, for some very long structures it may be impractical or impossible to meet this standard.

7. Construct banks on each side of the stream inside the span that match the horizontal profile of the existing stream and banks outside the span. To prevent failure, all constructed banks should have a height to width ratio of no greater than 1:1.5 (vertical:horizontal) unless the stream is naturally incised. Tie the banks into the up and downstream banks and configure them to be stable during expected high flows. Use materials that match the up and downstream banks (avoid the use of angular riprap and armored slopes, except where necessary for structural reasons, in which case they should be top-dressed with natural stream bed material). Construct a wildlife shelf on at least one of the banks. The constructed banks (with a wildlife shelf) will allow for terrestrial passage for wildlife and prevent flow from being focused to one side and

<sup>5</sup> An Openness Ratio Spreadsheet shows how to calculate the open area for embedded pipe culverts to meet the 0.82 standard for openness. See [www.nae.usace.army.mil/missions/regulatory.aspx](http://www.nae.usace.army.mil/missions/regulatory.aspx) >> Stream and River Continuity.



scouring the bed, especially against the structure's sidewall which may undermine the footings in the case of spans.

#### Temporary Crossings in Non-Tidal Streams

Temporary crossings shall consist of spans, culverts, construction mats or fords designed and constructed as follows:

1. All temporary crossings:
  - a. Impacts to the streambed or banks require restoration to their original condition (see U.S. Forest Service stream simulation manual referenced on page 1 of this document for stream simulation restoration methods). Use geotextile fabric or other appropriate bedding for stream beds and approaches where practicable to ensure restoration to the original grade.
  - b. Avoid excavating the stream or embedding crossings.
2. Culverts:
  - a. Install energy dissipating devices downstream if necessary to prevent scour.
3. Stream fords: Equipment may ford streams when: it is not feasible to construct a span or culvert (e.g., streams having no or low banks, emergency situations); the natural stream bed and banks consist of ledge, rock or sand that prevents disturbance and turbidity; and there is a stable, gradual approach.
4. Spans: Anchor spans where practicable so they do not wash out during high water.
5. Construction mats: Build construction mat stream crossings in accordance with the Construction Mat BMPs, specifically the Wetland/Stream Channel Crossing section. See [www.nae.usace.army.mil/missions/regulatory.aspx](http://www.nae.usace.army.mil/missions/regulatory.aspx) >> [State General Permits](#) >> Connecticut General Permit Documents.





Date June 30, 2017

City of Stamford  
Ralph Blessing  
Land Use Bureau, 888 Washington Boulevard  
Stamford, CT 06901

Subject: Certificate of Permission #201702962  
Mill River Linear Park, Stamford

Dear Mr. Blessing:

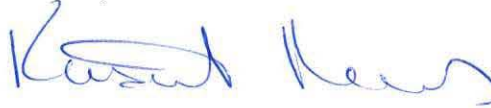
Enclosed please find a copy of the certificate of permission ("certificate") which is being issued pursuant to your application of March 31, 2017. Your attention is directed to the conditions of the enclosed certificate. All work must conform to that which is specifically authorized by this certificate. Any work in tidal wetlands or waterward of the coastal jurisdiction line in tidal, navigable and coastal waters of the State which has not been authorized by a valid permit or certificate is a violation of state law and subject to enforcement action by the Department of Energy and Environmental Protection and the Office of the Attorney General.

Your initiation of authorized activities will be relied upon as your agreement to comply with the terms and conditions of the certificate. Please note that Appendix B of the certificate has been enclosed for your convenience to comply with Connecticut General Statutes Section 22a-363g. Also, the Permit Notice, found at the back of your authorization, must be posted at the work area while the work is being undertaken. Please refer to the SPECIAL TERMS AND CONDITIONS of your certificate for further details.

If you have not already done so, you should contact your local Planning and Zoning Office to determine local permit requirements for your project. Also, your activity may be eligible for General Permit authorization from the U.S. Army Corps of Engineers ("Corps"). Most maintenance and reconstruction activities require no further authorization from the Corps. Other activities, generally involving work in tidal wetlands or other special aquatic sites, and in or near a federal Navigation Project or involving filling, must receive written authorization from the Corps prior to beginning work. The State of Connecticut will automatically forward this certificate to the Corps for its determination of General Permit eligibility. You do not need to apply directly to the Corps unless they notify you. For more information regarding this federal process, you may write to the Corps New England Division, Regulatory Branch, 696 Virginia Road,

Concord, Massachusetts, 02254 or call 978-318-8335 or 800-343-4789.

Sincerely,



Kristal Kallenberg, Environmental Analyst 2  
Land & Water Resources Division  
Bureau of Water Protection and Land Reuse

Enclosure – COP #201702962 (original cover letter, Appendix B and Permit Notice;  
COP copy)

cc: File #201702962 (original COP; copy cover letter, Appendix B, Permit Notice)  
via e-mail: [jeanineg@miloneandmacbroom.com](mailto:jeanineg@miloneandmacbroom.com)  
Municipal CEO  
Corps, c/o Diane Ray  
Harbor Master

### **CERTIFICATE OF PERMISSION**

**Certificate No:** 201702962

**Municipality:** Stamford

**Site of Activity:** Mill River (aka Rippowam River) off property located at the intersection of Tresser Blvd and Richmond Ave

**Certificate Holder:** City of Stamford  
888 Washington Boulevard  
Stamford, CT 06901

Pursuant to section 22a-363b of the Connecticut General Statutes (“CGS”) and in accordance with CGS sections 22a-359 to 22a-363g, and the Regulations of Connecticut State Agencies sections 22a-426-1 to 22a-426-9 (the Water Quality Standards) effective September 10, 2013, a certificate of permission (“certificate”) is hereby granted to remove the existing revetment and construct a new revetment as is more specifically described below in the SCOPE OF AUTHORIZATION. The work performed shall conform to the terms and conditions of this certificate.

#### **\*\*\*\*\*NOTICE TO CERTIFICATE HOLDERS AND CONTRACTORS\*\*\*\*\***

**UPON INITIATION OF ANY WORK AUTHORIZED HEREIN, THE CERTIFICATE HOLDER ACCEPTS AND AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF THIS CERTIFICATE. FAILURE TO CONFORM TO THE TERMS AND CONDITIONS OF THIS CERTIFICATE MAY SUBJECT THE CERTIFICATE HOLDER AND ANY CONTRACTOR TO ENFORCEMENT ACTIONS, INCLUDING INJUNCTIONS AS PROVIDED BY LAW AND PENALTIES UP TO \$1,000.00 PER DAY PURSUANT TO THE ADMINISTRATIVE CIVIL PENALTY POLICY DESCRIBED IN SECTIONS 22a-6b-1 THROUGH 22a-6b-15 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES.**

### **SCOPE OF AUTHORIZATION**

The Certificate Holder is hereby authorized to conduct the following work as described in application number 201702962, including 7 sheets of plans dated February 24, 2017, submitted by the Certificate Holder to the Commissioner of Energy and Environmental Protection (“Commissioner”) and attached hereto:

1. Remove the existing stone masonry revetment and stockpile stone on the upland
2. Excavate to undisturbed grade with a backhoe and front end loader



3. Remove nuisance vegetation.
4. Construct a boulder revetment with a top elevation of 9.6' by placing an 8" thick aggregate base and using 370 cy of new boulders
5. Place biologs at the upstream and downstream terminus of the wall and erosion control blankets at the toe of the wall to elevation 5.0.

#### **SPECIAL TERMS AND CONDITIONS**

1. Not later than two (2) weeks prior to the commencement of any work authorized herein, the Certificate Holder shall submit to the Commissioner, on the form attached hereto as Appendix A, the name(s) and address(es) of all contractor(s) employed to conduct such work and the expected date for commencement and completion of such work, if any.
2. The Certificate Holder shall file Appendix B on the land records of the municipality in which the subject property is located not later than thirty (30) days after certificate issuance pursuant to CGS Section 22a-363g. A copy of Appendix B with a stamp or other such proof of filing with the municipality shall be submitted to the Commissioner no later than sixty (60) days after certificate issuance.
3. The Certificate Holder shall give a copy of this certificate to the contractor(s) who will be carrying out the activities authorized herein prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Certificate Holder's contractor(s) shall conduct all operations at the site in full compliance with this certificate and, to the extent provided by law, may be held liable for any violation of the terms and conditions of this certificate. At the work area the contractor(s) shall, whenever work is being performed, make available for inspection a copy of this certificate and the final plans for the work authorized herein.
4. The Certificate Holder shall post the attached Permit Notice in a conspicuous place at the work area while the work authorized herein is undertaken
5. All work must be staged from the upland. Heavy equipment shall not be in the stream channel at any time.
6. All work shall be limited to periods of Low Tide including the 3 hours before and 3 hours after.
7. Except as specifically authorized by this certificate, no equipment or material including, but not limited to, fill, construction materials, excavated material or debris, shall be deposited, placed or stored in any wetland or watercourse on or off-site, nor shall any wetland or watercourse be used as a staging area or accessway other than as provided herein.



8. On or before ninety (90) days after completion of the work authorized herein, the Certificate Holder shall submit to the Commissioner:
  - “as-built” plans of the work area showing all tidal datums and structures, including any proposed elevation views and cross sections included in the certificate. Such plans shall be the original ones and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut.

#### **GENERAL TERMS AND CONDITIONS**

1. All work authorized by this certificate shall be completed within three (3) years from date of issuance of this certificate (“work completion date”) in accordance with all conditions of this permit and any other applicable law.
  - a. The Certificate Holder may request a one-year extension of the work completion date. Such request shall be in writing and shall be submitted to the Commissioner at least thirty (30) days prior to said work completion date. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. It shall be the Commissioner’s sole discretion to grant or deny such request.
  - b. Any work authorized herein conducted after said work completion date or any authorized one- year extension thereof is a violation of this certificate and may subject the Certificate Holder to enforcement action, including penalties, as provided by law.
2. In conducting the work authorized herein, the Certificate Holder shall not deviate from the attached plans, as may be modified by this certificate. The Certificate Holder shall not make de minimis changes from said plans without prior written approval of the Commissioner.
3. The Certificate Holder may not conduct work waterward of the coastal jurisdiction line or in tidal wetlands at this certificate site other than the work authorized herein, unless otherwise authorized by the Commissioner pursuant to CGS section 22a-359 et. seq. and/or CGS section 22a-28 et. seq.
4. The Certificate Holder shall maintain all structures or other work authorized herein in good condition. Any such maintenance shall be conducted in accordance with applicable law including, but not limited to, CGS sections 22a-28 through 22a-35 and CGS sections 22a-359 through 22a-363g.
5. In undertaking the work authorized hereunder, the Certificate Holder shall not cause or allow pollution of wetlands or watercourses, including pollution resulting from sedimentation and erosion. For purposes of this certificate, “pollution” means “pollution” as that term is defined by CGS section 22a-423.
6. Upon completion of any work authorized herein, the Certificate Holder shall restore all areas impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.

7. The work specified in the SCOPE OF AUTHORIZATION is authorized solely for the purpose set forth in this certificate. No change in purpose or use of the authorized work or facilities as set forth in this certificate may occur without the prior written authorization of the Commissioner. The Certificate Holder shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this certificate, request authorization from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
8. The Certificate Holder shall allow any representative of the Commissioner to inspect the work authorized hereunder at reasonable times to ensure that it is being or has been accomplished in accordance with the terms and conditions of this certificate.
9. This certificate is not transferable without prior written authorization of the Commissioner. A request to transfer a certificate shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Certificate Holder's obligations under this certificate shall not be affected by the passage of title to the certificate site to any other person or municipality until such time as a transfer is authorized by the Commissioner.
10. Any document required to be submitted to the Commissioner under this certificate or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

Regulatory Section  
Land & Water Resources Division  
Department of Energy and Environmental Protection  
79 Elm Street  
Hartford, Connecticut 06106-5127  
(860) 424-3019  
Fax # (860) 424-4054

11. The date of submission to the Commissioner of any document required by this certificate shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this certificate, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this certificate, the word "day" as used in this certificate means calendar day. Any document or action which is required by this certificate to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.
12. Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under this certificate shall be signed by Certificate Holder and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my




knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense.”

13. In evaluating the application for this certificate the Commissioner has relied on information and data provided by the Certificate Holder and on the Certificate Holder's representations concerning site conditions, design specifications and the proposed work authorized herein, including but not limited to representations concerning the commercial, public or private nature of the work or structures authorized herein, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, this certificate may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
14. In granting this certificate, the Commissioner has relied on all representations of the Certificate Holder, including information and data provided in support of the Certificate Holder's application. Neither the Certificate Holder's representations nor the issuance of this certificate shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
15. In the event that the Certificate Holder becomes aware that he did not or may not comply, or did not or may not comply on time, with any provision of this certificate or of any document required hereunder, the Certificate Holder shall immediately notify the Commissioner and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the Commissioner, the Certificate Holder shall state in writing the reasons for the noncompliance or delay and propose, for the review and written approval of the Commissioner, dates by which compliance will be achieved, and the Certificate Holder shall comply with any dates which may be approved in writing by the Commissioner. Notification by the Certificate Holder shall not excuse noncompliance or delay and the Commissioner's approval of any compliance dates proposed shall not excuse noncompliance or delay unless specifically stated by the Commissioner in writing.
16. This certificate may be revoked, suspended, or modified in accordance with applicable law.
17. The issuance of this certificate does not relieve the Certificate Holder of his obligations to obtain any other approvals required by applicable federal, state and local law.
18. This certificate is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.

Issued on June 30, 2017.

STATE OF CONNECTICUT  
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION

  
\_\_\_\_\_  
**Brian P. Thompson**  
**Land and Water Resources Division**  
**Bureau of Water Protection and Land Reuse**

Certificate of Permission No. 201702962

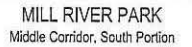


Along the west bank of Mill River (A.K.A. Rippowam River), between Tresser Blvd and Richmond Hill Ave, there are two dilapidated rock retaining walls. There are 215 linear feet of wall, the top of which is at elevation 9'.

We propose to replace this with one revetment rock wall which integrates the natural riparian vegetation at either end. The new wall will be 140 linear feet, the top of which is at elevation 9.6'. There will be approximately 368 CY of excavation and the only fill will be upland along the proposed pedestrian paths. (Please see sheet L-700)

There will be a double erosion control barrier along the rivers edge. The area will be excavated only to the extent necessary. The boulders will be set and backfilled. All materials and equipment will be stored upland, away from rivers-edge, at a site yet to be determined.

Please note that MLW in Stamford Harbor, per NOAA data, is -3.8 feet NAVD88, so it will not appear on the plans and sections. Also, in placing the new wall, we have been careful not to upset the existing shoreline, so that will remain the same.



LANDSCAPE ARCHITECTURE AND URBAN DESIGN  
PUBLIC LEADER BUILDING, SUITE 202  
810 SOUTH INDEPENDENCE HALL WEST  
PHILADELPHIA, PA 19104  
TEL. 215.440.0070 / FAX 215.440.0042  
WWW.CUNYARCHITECTURE.COM  
CUNY PARTNERSHIP, LTD.

Civil Engineers/Stormwater  
Management: Nitsch Engineering, Inc.,  
2 Center Plaza, Suite 430  
Boston, MA 02108  
617 338-0063

Northern Designs, LLC.  
2089 Hartford Turnpike  
North Haven, CT 06473  
203 239-2710

Tillett Lighting Design Inc.  
172 North 11th Street, Studio 5  
Brooklyn, NY 11211  
718 218-6578

Habitat by Design  
74 Stogoeach Road  
Pipersville, PA 18947  
610 294-9400

Stantec  
5 Burlington Woods  
Burlington, MA 01803  
781 221-1079

GZA GeoEnvironmental, Inc.  
530 Broadway  
Providence, RI 02909  
401 421-4140

Becker & Frondorf  
1500 Walnut Street, Suite 190  
Philadelphia, PA 19102  
215 772-1400

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**Scales:**

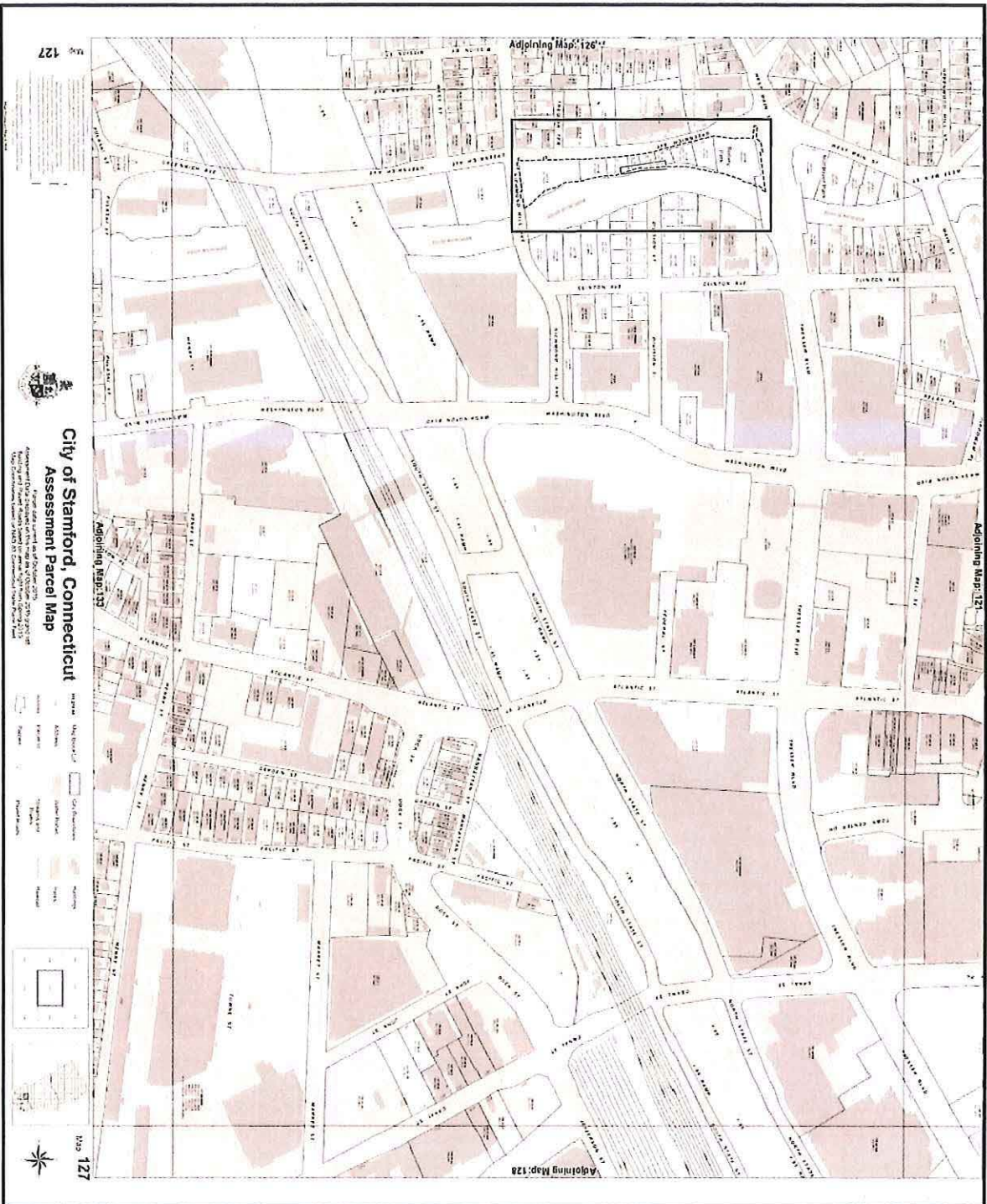
Job No: 1532.26	Drawn By: AS
Scale: AS SHOWN	Checked By: DS
Date: 24 FEB 2017	

## Drawing No:

00.0



# TAX ASSESSOR'S MAP



**MILL RIVER COLLABORATIVE**

**MILL RIVER PARK**  
Middle Corridor, South Portion

**OLIN**

OLIN & ASSOCIATES, INC.  
1000 WEST 10TH AVENUE  
SUITE 200  
DENVER, CO 80202  
TEL: 303.733.1000  
WWW.OLIN-USA.COM

## CONSULTANTS:

Civil Engineer/Stormwater  
2 Center Road, Suite 400  
Boston, MA 02108  
617.599.0053

Impaction Designer:  
200 Main Street, Suite 200  
North Haven, CT 06455  
203.239.2710

Lighting Designer:  
1775 Main Street, Suite 5  
Brooklyn, NY 11211  
718.218.6578

Restoration Ecologist:  
745 State Street  
New Haven, CT 06511  
410.294.4400

Structural/MVP Engineers:  
5 Burlington Woods  
1000 Main Street  
781.221.0070

Geotechnical Engineer:  
GZA Geoscientific Inc.  
530 Broadway  
Providence, RI 02909

Cost Engineer:  
Becker & Fennel  
1500 Walnut Street, Suite 190  
Philadelphia, PA 19102  
215.772.1400

No.	Issue	Date

Scale:

Job No: 1332-26  
Scale: NTS  
Date: 22 Feb 2017  
Drawing Title: TAX ASSESSOR MAP  
Drawn By: J.S.  
Checked By: D.S.













**OLIN**

**CONSULTANTS:**  
Civil Engineers/Stormwater  
Management: Nitsch Engineering, Inc.  
2 Centor Plaza, Suite 430  
Boston, MA 02108  
617 338-0063

**Ughling Designer:**  
Tillett Ughling Design Inc.  
172 North 11th Street, Studio 5  
Brooklyn, NY 11211  
718 218-6578

Structural/MEP Engineers:  
Stantec  
5 Burlington Woods  
Burlington, MA 01803  
781 221-1079

**Cost Estimator:**  
Becker & Frondorf  
1500 Walnut Street, Suite 190  
Philadelphia, PA 19102  
215 772-1400

[illegible]

100

Drawing Title:

## Drawing No:

L-700

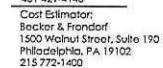






BOULDER SIZE	X	Y	Z
SIZE A	3'-0" - 5'-0"	4'-0" - 6'-0"	1'-6"
SIZE B	4'-0"-6'-0"	6'-0"-8'-0"	2'-0"
SIZE C	5'-0" - 7'-0"	6'-0" - 8'-0"	2'-6" - 3'-0"

NOTE: LAYOUT OF BOULDERS TO BE STAKED OUT IN FIELD BY CONTRACTOR AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. NO BLASTED ROCK.

[illegible]

Scale

Job No: 1532.26	Drawn By: AS
Scale: AS SHOWN	Checked By: DS
Date: 24 FEB 2017	

Drawing Title:

## DETAILS

Drawing No.

L-800



**LAND & WATER RESOURCES DIVISION**

**APPENDIX A**

**TO: Regulatory Section**  
**Department of Energy and Environmental Protection**  
**Land & Water Resources Division**  
**79 Elm Street**  
**Hartford, CT 06106-5127**

**Certificate Holder:** City of Stamford  
Land Use Bureau, 888 Washington Boulevard  
Stamford, CT 06901

**Certificate No:** 201702962, Stamford, CT

**CONTRACTOR 1:** \_\_\_\_\_

Address: \_\_\_\_\_

Telephone #: \_\_\_\_\_

**CONTRACTOR 2:** \_\_\_\_\_

Address: \_\_\_\_\_

Telephone #: \_\_\_\_\_

**CONTRACTOR 3:** \_\_\_\_\_

Address: \_\_\_\_\_

Telephone #: \_\_\_\_\_

**EXPECTED DATE OF COMMENCEMENT OF WORK:** \_\_\_\_\_

**EXPECTED DATE OF COMPLETION OF WORK:** \_\_\_\_\_

**PERMITTEE:** \_\_\_\_\_  
(signature) (date)



**LAND & WATER RESOURCES DIVISION**

**APPENDIX B**

**NOTICE OF CERTIFICATE ISSUANCE**  
**DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION**

**To:** Stamford City Clerk

**Signature and  
Date:**

  
June 30, 2017

**Subject:** Mill River Linear Park between Tresser Boulevard and Richmond Avenue  
Certificate of Permission #201702962

Pursuant to Section 22a-363g and Section 22a-363b of the Connecticut General Statutes, the Commissioner of Energy and Environmental Protection gives notice that a certificate has been issued to City of Stamford, Land use Bureau, 888 Washington Boulevard, Stamford, CT 06904 to:

Remove existing stone masonry revetment and construct new boulder revetment with a top elevation of 9.6' NAVD88. Stabilize the stream bank with bio logs at the toe of revetment up to elevation 5.0.

If you have any questions pertaining to this matter, please contact the Land & Water Resources Division at 860-424-3019.

Return to:  
Land & Water Resources Division  
State of Connecticut  
Department of Energy & Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127



# PERMIT NOTICE

This Certifies that Authorization to perform work below the Coastal Jurisdiction Line and/or within Tidal Wetlands of coastal, tidal, or navigable waters of Connecticut

Has been issued to: **City of Stamford**

At this location: **Mill River Linear Park, Stamford**

To conduct the following: **Remove existing stone masonry revetment and construct new boulder revetment.**

Permit #:201702962

This Notice must be posted in a conspicuous place on the job during the entire project.

Department of Energy and Environmental Protection  
Land & Water Resources Division  
79 Elm Street • Hartford, CT 06106-5127  
Phone: (860) 424-3019 Fax: (860) 424-4054  
[www.ct.gov/deep](http://www.ct.gov/deep)



**MILONE & MACBROOM®**

August 7, 2017

Ms. Kristal Kallenberg  
Environmental Analyst 2  
Land & Water Resources Division  
Bureau of Water Protection and Land Reuse  
Connecticut Department of Energy & Environmental Protection  
79 Elm Street  
Hartford, CT 06106

**RE: Request for Coastal Zone Management Certification  
Mill River Linear Park  
Stamford, Connecticut  
MMI #4991-02-04/1535-55-02**

Dear Ms. Kallenberg:

As you are aware, the Connecticut Department of Energy & Environmental Protection (DEEP) issued Certificate of Permission (COP) No. 201702962 on June 30, 2017, related to certain activities proposed to occur along the Mill River within the Coastal Jurisdiction Line (CJL) in Stamford, Connecticut. The United States Army Corps of Engineers (USACE) informed the City of Stamford on May 2, 2017, that the proposed activities within the CJL related to that COP were expected to "have only minimal individual and cumulative impacts on waters and wetlands of the United States," and therefore, the COP was authorized under the USACE Connecticut General Permits.

It is our understanding that the portion of the project within the CJL would fall under Section 2 of the Connecticut General Permits for projects within tidal, coastal, and navigable waters within Connecticut. For the Connecticut General Permit, the USACE requires that applicants demonstrate concurrence with Section 307(c) of the Federal Coastal Zone Management (CZM) Act of 1972, as amended. Applicants must obtain a certification or waiver from Connecticut DEEP Office of Long Island Sound Programs (OLISP) that the activity complies with the state's CZM program for activities affecting a state's Coastal Area. Such consultation is also necessary for completion of the Environmental Assessment required to secure federal funding to support portions of the project along the western bank of the Mill River between Main Street and Richmond Hill Avenue.

At this time, Milone & MacBroom, Inc. respectfully requests a certification or waiver from the Connecticut DEEP for concurrence with the CZM Act of 1972 as amended. The COP application dated March 23, 2017, as amended, should contain sufficient information to process this request. Note that all work conducted between Main Street and Tresser Boulevard will be conducted landward of the riverbank and above and outside of the CJL.

Thank you for your assistance in this matter. Please feel free to contact me at (203) 271-1773 or sbighinatti@mminc.com if you have any questions or require additional information.

Very truly yours,

**MILONE & MACBROOM, INC.**

Scott J. Bighinatti, MS, CFM  
Lead Environmental Scientist

1535-55-02-au717-ltr.doc

Milone & MacBroom, Inc., 99 Realty Drive, Cheshire, Connecticut 06410 (203) 271-1773 Fax (203) 272-9733  
www.miloneandmacbroom.com

Connecticut • Maine • Massachusetts • New York • South Carolina • Vermont

## Scott Bighinatti

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**From:** Kelly F. Kerrigan  
**Sent:** Thursday, January 04, 2018 8:09 AM  
**To:** Scott Bighinatti  
**Subject:** Fw: Coastal Zone Management Certification

**Importance:** Low

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**From:** Kallenberg, Kristal <Kristal.Kallenberg@ct.gov>  
**Sent:** Wednesday, January 3, 2018 11:08:30 AM  
**To:** Kelly F. Kerrigan  
**Subject:** RE: Coastal Zone Management Certification

Hi Kelly,

We issued COP # 201702962 for the Mill River Linear Park earlier this year. Our issuance of a permit implies that coastal consistency has been met. The USACE permit number NAE-2016-00253 was issued on May 2, 2017. If there are additional reasons why you believe consistency has not been met. Please let me know.

Thanks, Kristal

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**From:** Kelly F. Kerrigan [mailto:kellyk@miloneandmacbroom.com]  
**Sent:** Tuesday, November 14, 2017 10:54 AM  
**To:** Kallenberg, Kristal <Kristal.Kallenberg@ct.gov>  
**Subject:** Coastal Zone Management Certification

Hi Kristal,

My colleague Scott Bighinatti submitted a letter, dated August 07, 2017, to you regarding a request for Coastal Zone Management Certification for the Mill River Linear Park in Stamford. Is there any additional information you need for your review? Any guidance on this matter would be much appreciated.

Thank you!

Kelly Faith Kerrigan  
Environmental Scientist



99 Realty Drive, Cheshire, CT 06410

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