

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

m e m o r a n d u m

FLOOD MANAGEMENT GENERAL CERTIFICATION

Project No.: 133-000-30
Description: Release of State Land
Bushnell Hollow Road (CT Route 138)
Town: Sprague
Date: May 14, 2024

to: Michael E. Hogan
Trans. Principal Engineer
Hydraulics and Drainage
Bureau of Engineering and Construction

from: Melanie A. Fadoir
Supervising Property Agent
Property Management Section
Division of Rights of Way

Please review this request for Flood Management General Certification (FMGC) and indicate your concurrence below.

Certification (to be completed by designer and/or requesting office)

I have read the Flood Management General Certification and the descriptions for the approved DOT minor activities. This project qualifies for the Flood Management General Certification under the following Category(ies):

- | | |
|--|--|
| <input type="checkbox"/> 1. Minor Safety Improvements, Streetscape, and Transportation Facility & Enhancement Projects | <input type="checkbox"/> 7. Guide Rail Installation |
| <input type="checkbox"/> 2. Roadway Repair, Repaving, Maintenance and Underground Utilities | <input type="checkbox"/> 8. Bridge Deck and Superstructure Replacements |
| <input type="checkbox"/> 3. Minor Stormwater Drainage Improvements | <input type="checkbox"/> 9. Minor Culvert and Bridge Repairs |
| <input type="checkbox"/> 4. Removal of Sediment or Debris from a Floodplain | <input type="checkbox"/> 10. Fisheries Enhancements |
| <input type="checkbox"/> 5. Wetland Restoration, Creation, or Enhancement | <input type="checkbox"/> 11. Surveying and Testing |
| <input type="checkbox"/> 6. Scour Repairs at Structures; <i>(Must acquire DEEP Fisheries Concurrence to be eligible)</i> | <input type="checkbox"/> 12. Bicycle / Pedestrian, Multi Use Trails and Enhancement Projects |
| | <input checked="" type="checkbox"/> 13. Transfer of State Real Property |
| | <input type="checkbox"/> 14. Waste Stockpile Areas within the 500-Yr Floodplain |

The following required documentation is attached in support of this certification for Categories 1-12, 14:

- Project description
- Location plan
- Description of Floodplain involvement and how project qualifies for general certification
- 8-1/2" by 11" excerpt copy of the FEMA Flood Insurance Rate Map (FIRM) and Floodway Boundary Map (if applicable)
- Design plans, (dated _____) with FEMA floodplain and floodway boundaries plotted, cross sections and profiles, as necessary, that clearly depict the floodplain involvement
- For WSAs, design plans with the FEMA 500-year floodplain boundary also plotted
- FEMA 100-year flood elevation plotted on elevation view (for structures)

The following required documentation is attached in support of this certification for Category 13:

- 8-1/2" by 11" excerpt copy of the FEMA Flood Insurance Rate Map (FIRM)
- A draft copy of the release map and/or property title with language, if available, restricting development within the floodplain.
- Name/Signature (below) not required for requests from the Property Management Section, Division of Rights of Way.

Print Name

Title

Signature

Date

Concurrence (to be completed by Hydraulics and Drainage)

☐ **Categories 1-12, 14** - Based on the documentation submitted, I hereby concur that the project qualifies for the FMGC.

☒ **Category 13** - Based on the documentation submitted, I hereby concur that the Transfer of State Real Property qualifies for the FMGC subject to satisfying the requirements listed in Attachment A.

If there are any changes to the proposed activities within the floodplain or floodway, the project must be re-submitted for review and approval.

Signature

Date

cc: Bartholomew P. Sweeney - Michael E. Hogan - Dominic Antonio - Kartik Parekh
Kevin F. Carifa - Amanda M. Saul
Amy N. Martinez - Melanie A. Fadoir - Christie LaBella
Jeff Caiola (DEEP)

ATTACHMENT A

Connecticut Department of Energy and Environmental Protection License
Flood Management Certification Approval
Flood Management General Certification for Statewide Minor Activities
License Number: 202112522-FM

CTDOT Identification No.:

Description:

Town/City:

The Flood Management General Certification for the Transfer of State Real Property is approved subject to the requirements listed below:

1. The property transfer shall comply with the requirements as described in Category 13, "Transfer of State Real Property", of the Connecticut Department of Energy and Environmental Protection License Number 202112522-FM (attached).
2. The property transfer shall comply with all other applicable terms and conditions set forth in the License.

Connecticut Department of Energy and Environmental Protection License*

Flood Management Certification Approval

Licensee(s): Connecticut Department of Transportation

Licensee Address(s): 2800 Berlin Turnpike
Newington, CT 06131-7546

License Number(s): 202112522-FM

Municipality: Statewide

Project Description: Flood Management General Certification for Statewide Minor Activities

Project Address/Location: Statewide

Waters: Statewide

Authorizing CT Statute(s) and/or Federal Law: CGS Section 25-68b to h

Applicable Regulations of CT State Agencies: 25-68h-1 to 3

Agency Contact: Land & Water Resources Division,
Bureau of Water Protection & Land Reuse, 860-424-3019

License Expiration: Ten (10) years from the date of issuance of this license.

Project Site Plan Set: "CTDOT Standard Sheets," 26 Sheets, prepared by CT DOT Office of Engineering, approved 07-14-2020.

License Enclosures: LWRD General Conditions; CTDOT Standard Sheets; Categories of Minor Activities

*Connecticut's Uniform Administrative Procedure Act defines License to include, "the whole or part of any agency permit, certificate, approval, registration, charter or similar form of permission required by law . . ."

Authorized Activities:

The Licensee is hereby authorized to conduct the following work as described in application # 202112522 and as depicted on any site plan sheets / sets cited herein:

Conduct, on an as-needed basis, the following activities in accordance with “*Categories of Minor Activities*,” attached hereto:

1. Minor Safety Improvements, Streetscape, and Transportation Facility and Enhancement Projects;
2. Roadway Repair, Repaving, Maintenance and Underground Utilities;
3. Minor Stormwater Drainage Improvements;
4. Removal of Sediment or Debris from a Floodplain;
5. Wetland Restoration, Creation, or Enhancement;
6. Scour Repairs at Structures;
7. Guide Rail Installation;
8. Bridge Deck and Superstructure Replacements;
9. Minor Culvert and Bridge Repairs, Including Proper Containment
10. Fisheries Enhancements;
11. Surveying and Testing;
12. Bicycle / Pedestrian, Multi-Use Trails and Enhancement Projects;
13. Transfer of State Real Property; and
14. Waste Stockpile Area within the 500-year Floodplain.

Failure to comply with the terms and conditions of this license shall subject the Licensee and / or the Licensee’s contractor(s) to enforcement actions and penalties as provided by law.

This license is subject to the following Terms and Conditions:

1. **License Enclosure(s) and Conditions.** The Licensee shall comply with all applicable terms and conditions as may be stipulated within the License Enclosure(s) listed above.
2. **Erosion & Sedimentation Controls.** Proper erosion and sedimentation controls shall be utilized in conjunction with Best Management Practices as outlined in Section 1.10 of the State of Connecticut Department of Transportation *Standard Specifications for Roads, Bridge and Incidental Construction, Form 818*, as revised by the latest supplementals.
3. **Stormwater Quality.** All work shall be consistent with DEEP’s 2004 Stormwater Quality Manual as revised.
4. **Temporary Facilities.** Any temporary facilities, impact activities, or equipment requiring work or placement in a floodplain must be able to be removed in a timely manner from the site in case of a flood warning. Items designed as temporary structures in accordance with the guidelines outlined in the CTDOT Drainage Manual for Temporary Hydraulic Structures shall be exempt from this requirement.

5. **Fish Passage.** Temporary facilities shall allow for the passage of fish with minimal disturbance to the streambed.
6. **Time-of Year Restrictions.** Unconfined in-stream work will be limited to the period indicated by a sign-off from DEEP Fisheries Division. This time frame will be June 1st to September 30th unless a waiver from this restriction has been approved in writing from this Division.
7. **FMC Submittals.** Prior to commencement of any construction authorized under this General Certification, DOT must submit a copy of the completed CT DOT Hydraulics and Drainage Flood Management General Concurrence Request Form.

Issued under the authority of the Commissioner of Energy and Environmental Protection on:

March 22, 2022

Date



Brian P. Thompson
Division Director
Land & Water Resources Division

Categories of Minor Activities

1. Minor Safety improvements, Streetscape, and Transportation Facility and Enhancement Projects

Description: Projects which include minor grading and safety improvements including traffic signals, signs, sidewalks, rail platform extensions, elevated walkways, boardwalks, landscaping, light poles, and other activities similar in scope and scale. This category does not include sound barriers.

This category includes ancillary work to make rail stations and other Department facilities compliant with ADA standards, as well as allowing for stormwater improvements at such facilities which do not result in any adverse impacts to the floodplain and are compliant with the restrictions set forth in Category #3, "Minor Stormwater Drainage Improvements".

Landscape plantings will be in accordance with the most current version of the Department's *Standard Specifications for Roads, Bridges and Incidental Construction* as revised by the latest supplementals and in accordance with DEEP's "Non- Native Invasive Plant Species Policy".

Obstructions and grade increases shall not be permitted in a FEMA mapped floodway except for the following minor activities that meet the respective conditions:

- Sidewalks placed in the floodway shall be limited to six-inch maximum over the existing ground elevation and shall not reduce the hydraulic conveyance of the floodway. Any loss of conveyance must be compensated for in the same hydraulic cross section and proposed changes shall not require a map revision or require modeling.
- Plantings placed in the floodway shall be limited to a group of 10 or fewer low growing plants and shall be in ground and not increase grade.
- A single row of split rail fencing will be allowed in the floodway provided that it is parallel to flow.
- Signposts in the floodway shall be a single typical U-channel or similar sized posts and the lowest horizontal attachment to the signpost must be above the floodway elevation.
- Pedestal-mounted light posts, signals, pedestrian hybrid beacons (e.g., High-Intensity Activated Crosswalk [HAWK]), and rectangular rapid flashing beacons (RRFB) can be placed in the floodway provided a) there are no more than two, b) the mast(s) must be cylindrical, and c) they are limited to a maximum six-inch

diameter.

Obstructions such as poles, signs, rail platforms, elevated walkways, boardwalks, plantings, and spilt rail fencing may be placed in the floodplain but not in the floodway (unless otherwise allowed as described above) provided:

- Any grade changes in the riverine floodplain will be limited to 2.0 feet maximum over the existing ground elevation.
- Grade changes shall not decrease the flood storage capacity of the riverine floodplain.
- Any fill in the riverine floodplain must be compensated for with an equal cut so that there will be no net fill below the base flood elevation.
- Compensation for the proposed fill shall occur within the same hydraulic cross section and the same reach of stream.
- Flood storage is not required by statute in tidally influenced floodplains; as such fill limitations and compensatory cut requirements are not applicable to these areas.

2. Roadway Repair, Repaving, Maintenance & Underground Utilities

Description: Milling, repaving, and associated regrading to roadsides. Also included in this category are roadway patching and repairs to existing grade and work to the subgrade of the roadway such as utility work, underdrain, and storm drain installation, excluding drainage outfalls.

This category allows up to a 4-inch increase in pavement height in a floodway fringe; no increases in the pavement height are permitted in a floodway. This category allows for the roadside to be graded to match the new pavement grade.

3. Minor Stormwater Drainage Improvements

Description: Placement of new drainage outfalls to reconfigure existing drainage systems where the proposed pipe size is 36" or less.

Activities in this category are permissible provided that a pre- and post- stormwater assessment/analysis indicates that such placement will not cause an increase in peak discharge of the receiving floodplain source, therefore, not increasing the regulatory flood elevation.

This category allows for upgrade of an existing pipe or replacement with equivalent diameter pipe at drainage outfalls, following the requirements set above. Replacement or placement of riprap aprons or preformed scour holes set no higher than existing

grade at existing outfalls are included in this category. The design of riprap aprons and preformed scour holes shall conform to the guidelines in the Department's Drainage Manual. Placement of a flared end section as a replacement for a headwall is acceptable provided the fill matches adjacent slope limits.

4. Removal of Sediment or Debris from a Floodplain

Description: Removal of sediment or debris from a floodplain, including ditch cleaning. Removal of fill also includes the cleaning of ponds.

This category includes pond and ditch cleaning. All necessary Inland and Coastal permits must be approved. Sediment shall be disposed of in accordance with Best Management Practices as outlined in Section 1.10 of the Department's *Standard Specifications for Roads, Bridges, and Incidental Construction – Form 818*, as revised.

5. Wetland Restoration, Creation, or Enhancement

Description: Removal of material and placement of organic soils and wetland plantings. This category may include treatments and excavation to eradicate invasive species.

This category includes wetland restoration and actions necessary for creating wetland mitigation sites, e.g., placement of organic soils and wetland plantings. Any placement of material for soil amendment shall be an amount less than or equal to the material which was removed from the floodplain.

Placement of plantings alone can also be performed under this category to stabilize streambanks or other areas as well as provide plantings to replace non-native vegetation or for wildlife habitat enhancement. Plantings shall not adversely change the character of the bank or the hydraulic capacity of the waterway.

6. Scour Repairs at Structures

Description: Scour repairs which bring the streambed back to original grade. This category includes fill placed to an elevation no higher than the original grade at either bridge face or points beyond the influence of local or contraction scour. Such elevation shall be as depicted on original as-built plans (if available) or as determined in the field by the Engineer.

Unless the CTDEEP Fisheries Division has provided documented approval of plans depicting otherwise, the placement of riprap or alternate countermeasures shall be limited to local scour holes adjacent to the bridge substructure units, retaining walls, wingwalls, or culvert termini.

Designed counter measures may be covered under this category only if the countermeasures do not change the hydraulic capacity of the structure and if CTDEEP

Fisheries Division has provided documented approval of the activity (i.e., plan sets signed by CT DEEP Fisheries staff).

Municipal projects which require no other DEEP LWRD permit approvals will only qualify for the General Certification under this item when accompanied by a completed CTDEEP Fisheries Division sign-off form.

7. Guide Rail Installation

Description: Installation, replacement, or repair of guide rails, including the use of appropriate materials under guiderail to prevent erosion and the necessary clearing and grubbing to place the system and allow for its deflection.

This category allows for installation or upgrade of guide rail systems to bring them into conformance with current safety standards. This item includes upgrades to termini, connections to bridge parapets, and the replacement of existing concrete barriers with solid barriers that are compliant with current design standards. This item includes replacement of existing metal beam rail with timber rail.

Solid safety barriers at a new location may not be placed under this item.

8. Bridge Deck and Superstructure Replacements

Description: Replacement of the superstructure or deck of a structure where both the existing and proposed low chord elevations are above the floodway elevation. This category also covers replacement activities when the low chord is below the floodway elevation when there is no change in the hydraulic opening/capacity, there is no change in the low chord elevation, and there is no change in streambed elevation above the as-built condition (as described in Category #6, "Scour Repairs at Structures").

Temporary impacts for construction include scaffolding, ladders, work platforms, sandbags, cofferdams, sedimentation control devices, and other activities similar in scope and scale necessary to perform the work. This category includes necessary modifications to the substructure to accommodate the new superstructure if the modifications do not result in a change to the hydraulic opening/capacity. No decrease in hydraulic capacity may occur because of any work under this category.

9. Minor Culvert and Bridge Repairs including proper containment.

Description: Repairs to bridges, culverts, or pipes. This category includes the following activities:

- repointing and repairs to spalling concrete and bridge joints, seats, and bearings
- upgrade of parapets or railing (open design only allowed)

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- painting and replacement of wood on wooden bridges
- cleaning, painting, and repair or replacement of steel bridge elements with proper containment to prevent debris from falling to any regulated areas below
- in-kind culvert, cut-off, wingwall, and headwall replacement
- other activities similar in scope and scale which would not diminish the hydraulic capacity of the structure.

Temporary impacts for construction may include, but are not limited to, scaffolding, ladders, cofferdams, sandbags, and sedimentation control devices necessary to perform the work or access the work site. Containment systems and work platforms hung from the bridge may also be utilized such that the temporary system does not extend below the temporary design flood elevation unless the system can be readily removed prior to the anticipated flood event. The design frequency of the temporary design flood shall be determined by the procedures outlined in the Drainage Manual.

10. Fisheries Enhancements

Description: Work in waterways to create or enhance fisheries habitat.

This category includes placement of boulders, riparian plantings, vortex rock weirs, rock vanes, log structures, wing deflectors, channel blocks, cover logs and root wads, bank cribbing, scour pool excavation, stream bank stabilization, and other activities similar in scope and scale. This category includes any temporary impacts necessary for construction.

All enhancements must be approved by the Department's H&D Unit. Boulders or groupings of boulders placed will be no wider than 20% of the stream width and no more than one boulder or boulder grouping per 300 square feet of channel. Boulders will be placed only downstream of any bridge structure. Riparian plantings will be conducted in accordance with DEEP's Non-Native Plant Species Policy. Temporary floodplain impacts for construction necessary to perform the work shall be allowed given provisions for stabilizing and restoring the access way are provided.

This item may not be used for construction of fishways or fish ladders.

11. Surveying and Testing

Description: This category includes activities such as field survey, excavation of utility test pits, physical testing, or the installation of monitoring devices to determine surface or subsurface engineering site data.

Conventional land survey activities will be accomplished in accordance with standard

Department practice. Minor manual clearing of brush or undergrowth will be allowed to establish lines of sight necessary for geodetic survey. Soil borings using mechanical drill rigs will be allowed provided that no fill is placed for access to the drilling site. The excavation of utility test pits using mechanical excavators is acceptable providing that there is no change in the final ground elevation at the test pit site.

The installation or use of temporary or permanent monitoring devices to record or provide real time data relative to bridges, culverts, streams, or subsurface characteristics will be allowed providing that there is no resultant permanent reduction in hydraulic capacity at a waterway crossing site. Any devices shall be approved by the Department's H&D Unit.

12. Bicycle / Pedestrian, Multi Use Trails and Enhancement Projects

Description: Construction of bicycle/pedestrian pathways, multi-modal trails, Rails to Trails, and enhancement projects in a regulated floodplain. These projects may include any or a combination of the activities listed below on the same project. The Project Engineer must indicate in their submission where each proposed activity will take place, along with a corresponding site number.

Projects in this category must comply with all applicable requirements described in Category #1, "Minor Safety Improvements, Streetscape, and Transportation Facility Projects". Independent functionality must be evident in project termini, and/or the project must provide links between or to other existing trails. Proper containment and water handling must be included in the plans for activities involving work in water.

- Rehabilitation or removal of existing structures in a floodplain or floodway such as piers, abutments, crib walls, and retaining walls. No new structures are allowed in a floodway under this category.
- Placement of retaining walls, crib walls, or similar structure in the floodplain with the purpose of decreasing the overall fill in the floodplain. Elevated walkways, boardwalks, and like structures are also permissible under this category. This activity must not have an adverse impact on flood flow conveyance.
- Construction of portions of the trail itself may be within a regulated floodway provided that the path or trail itself is constructed at grade. In these areas, only split rail fencing will be allowed.
- Rehabilitation or re-use of an existing structure to carry the trail where there is no decrease in the hydraulic opening. Work under this category may include a new deck, various concrete repairs, and placement of open type design parapets and railing.

- Minor modifications to structures at the same location with minor re-alignments to better accommodate stream flows. This category allows for replacement or extension of abutments, wingwalls, headwalls, and cutoff walls where there is no adverse effect to the floodway and floodplain
- Placement of new culvert on new location in the floodplain in order to capture drainage or convey a small watercourse which is in conformance with the restrictions set forth in Item #3 — “Minor Stormwater Drainage Improvements”. Culverts deemed to be carrying a watercourse must be depressed one foot below the streambed, meet the ACOE openness ratio, and are limited to an effective opening of 36”.

13. Transfer of State Real Property

Description: Transfer/disposal of State real property.

A proposed transfer of real property belonging to the State and being within or affecting a floodplain must, as part of the property transfer agreement or other legally binding contract, require that the new owner may not construct within or use any part of the property located in the flood zone in such a way as may promote development within the floodplain or could in any way violate the National Flood Insurance Program requirements as administered and enforced by the municipality within which the property resides. A recording that will be added to the property’s land record restricting construction or use as described above shall satisfy this requirement.

14. Waste Stockpile Area within the 500-year Floodplain

Description: Use of a Waste Stockpiles Areas within the 0.2 per cent (500-year) floodplain (but not within 1 per cent [100-year] floodplain) to temporarily manage excess soil that contains concentrations of pollutants above background levels. The soil certified with this category originates within or adjacent to the floodplain.

This category allows for the use, under certain conditions, of a Waste Stockpile Area (WSA) within the 0.2 per cent (500 year) floodplain (the base flood for a critical activity) to temporarily manage excess soil that is derived from transportation construction activities and that is known or suspected to contain concentrations of pollutants above background levels. WSAs are used for temporary stockpiling and confirmation testing of soil prior to it being loaded for transport to appropriate disposal facilities.

The following material may qualify for this category:

- Soil characterized as being from low level areas of environmental concern. Low level areas of environmental concern have detections of pollutants above background levels but below the numerical levels in RCSA 22a-133k-2.

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- Soil characterized as being from areas of environmental concern. Areas of environmental concern have detections of pollutants above the numerical levels in RCSA 22a-133k-2.

Soil stored in WSAs will not be subject to major damage by floods, and such material or equipment shall be firmly anchored, restrained or enclosed to prevent it from floating away. This will be achieved by either:

- Establishing the WSA such that the locations of soil management areas shall be above the 0.2 per cent (500 year) floodplain elevation (i.e., the WSA will be “built up”), or
- Soil shall be managed utilizing roll-off dumpsters that can be more readily mobilized out of the 0.2 per cent (500 year) floodplain in the event a major storm is predicted. A major storm shall be defined as a storm predicted by the NOAA weather service with warnings of flooding, severe thunderstorms, or similarly severe weather conditions or effects. A contingency plan to remove the roll-offs from within the 500-year floodplain at least 24-hours (including weekends and holidays) prior to the start of a predicted major storm shall be included.

All stored material subject to this category will remain covered when not in active use, as defined in 101117A – CONTROLLED MATERIALS HANDLING.

The WSA will be dismantled upon completion of the affiliated project and the area shall be restored to the original or better condition as defined in 0101128A – SECURING, CONSTRUCTION AND DISMANTLING OF A WASTE STOCKPILE AND TREATMENT AREA.

The following practices shall be followed for ALL activities covered under this General Certification:

- Proper erosion and sedimentation controls will be utilized in conjunction with Best Management Practices as outlined in Section 1.10 of the State of Connecticut Department of Transportation *Standard Specifications for Roads, Bridge and incidental Construction, Form 818*, as revised by the latest supplementals.
- All work shall be consistent with DEEP’s *2004 Stormwater Quality Manual*.
- Any temporary facilities, impact activities, or equipment requiring work or placement in a floodplain must be able to be removed in a timely manner from the site in case of a flood warning. Items designed as temporary structures in accordance with the guidelines outlined in the CTDOT Drainage Manual for Temporary Hydraulic Structures

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shall be exempt from this requirement.

- Temporary facilities will allow for the passage of fish with minimal disturbance to the streambed.
- Unconfined in-stream work will be limited to the period indicated by a sign-off from DEEP Fisheries Division. This time frame will typically be June 1st to September 30th.

LWRD General Conditions

- 1. Land Record Filing (for *Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only*).** The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice 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 license issuance. If a Land Record Filing form is not enclosed and the work site is not associated with an upland property, no filing is required.
- 2. Contractor Notification.** The Licensee shall give a copy of the license and its attachments to the contractor(s) who will be carrying out the authorized activities prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Licensee's contractor(s) shall conduct all operations at the site in full compliance with the license and, to the extent provided by law, may be held liable for any violation of the terms and conditions of the license. At the work site, the contractor(s) shall, whenever work is being performed, have on site and make available for inspection a copy of the license and the authorized plans.
- 3. Work Commencement¹.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to the Commissioner, on the Work Commencement Form attached hereto, 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.
 - For water diversion activities authorized pursuant to 22a-377(c)-1 of the Regulations of Connecticut State Agencies, the Licensee shall also notify the Commissioner in writing two weeks prior to initiating the authorized diversion.
 - For emergency activities authorized pursuant Connecticut General Statutes Section 22a-6k, the Licensee shall notify the Commissioner, in writing, of activity commencement at least one (1) day prior to construction and of activity completion no later than five (5) days after conclusion.
- 4. For Coastal Licenses Only - License Notice.** The Licensee shall post the first page of the License in a conspicuous place at the work area while the work authorized therein is undertaken.
- 5. Unauthorized Activities.** Except as specifically authorized, no equipment or material, including but not limited to, fill, construction materials, excavated material or debris, shall be

¹ The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.

deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not conduct work within wetlands or watercourses other than as specifically authorized, unless otherwise authorized in writing by the Commissioner. Tidal wetlands means “wetland” as defined by section 22a-29 and “freshwater wetlands and watercourses” means “wetlands” and “watercourses” as defined by section 22a-38.

6. **Unconfined Instream Work.** Unless otherwise noted in a condition of the license, the following conditions apply to projects in non-coastal waters:
 - Unconfined instream work is limited to the period June 1 through September 30.
 - Confinement of a work area by cofferdam techniques using sand bag placement, sheet pile installation (vibratory method only), portadam, or similar confinement devices is allowed any time of the year. The removal of such confinement devices is allowed any time of the year.
 - Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
 - The confinement technique used shall completely isolate and protect the confined area from all flowing water. The use of silt boom/curtain or similar technique as a means for confinement is prohibited.
7. **For State Actions Only - Material or Equipment Storage in the Floodplain.** Unless approved by a Flood Management Exemption, the storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five-hundred (500) year flood is prohibited. Any other material or equipment stored at the site below said elevation by the Licensee or the Licensee's contractor must be firmly anchored, restrained or enclosed to prevent flotation. The quantity of fuel stored below such elevation for equipment used at the site shall not exceed the quantity of fuel that is expected to be used by such equipment in one day. In accordance with the licensee's Flood Contingency Plan, the Licensee shall remove equipment and materials from the floodplain during periods when flood warnings have been issued or are anticipated by a responsible federal, state or local agency. It shall be the Licensee's responsibility to obtain such warnings when flooding is anticipated.
8. **Temporary Hydraulic Facilities for Water Handling.** If not reviewed and approved as a part of the license application, temporary hydraulic facilities shall be designed by a qualified professional and in accordance with the *Connecticut Guidelines for Soil Erosion and Sediment Control*, the *2004 Connecticut Stormwater Quality Manual*, or the *Department of Transportation's ConnDOT Drainage Manual*, as applicable. Temporary hydraulic facilities may include channels, culverts or bridges which are required for haul roads, channel relocations, culvert installations, bridge construction, temporary roads, or detours.
9. **Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and managed in a manner which prevents additional impacts to wetlands and watercourses.
10. **Best Management Practices.** The Licensee shall not cause or allow pollution of any wetlands or watercourses, including pollution resulting from sedimentation and erosion. In constructing

or maintaining any authorized structure or facility or conducting any authorized activity, or in removing any such structure or facility, the Licensee shall employ best management practices to control storm water discharges, to prevent erosion and sedimentation, and to otherwise prevent pollution of wetlands and other waters of the State. For purposes of the license, “pollution” means “pollution” as that term is defined by CGS section 22a-423. Best Management Practices include, but are not limited, to practices identified in the *Connecticut Guidelines for Soil Erosion and Sediment Control* as revised, *2004 Connecticut Stormwater Quality Manual*, Department of Transportation’s *ConnDOT Drainage Manual* as revised, and the Department of Transportation Standard Specifications as revised.

- 11. In-Water Work Vessel Staging and Storage. (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** For any barge, vessel, skiff or floating work platform (“work vessels”) utilized in the execution of the work authorized herein, the Licensee shall ensure that such work vessels:
- do not rest on, or come in contact with, the substrate at any time, unless specifically authorized in the license.
 - are not stored over intertidal flats, submerged aquatic vegetation or tidal wetland vegetation or in a location that interferes with navigation. In the event any work vessel is grounded, no dragging or prop dredging shall occur to free it.
- 12. Work Site Restoration.** Upon completion of any authorized work, the Licensee 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.
- 13. Inspection.** The Licensee shall allow any representative of the Commissioner to inspect the project location at reasonable times to ensure that work is being or has been conducted in accordance with the terms and conditions of this license.
- 14. Change of Use. (Applies only if a use is specified within the License “Project Description”)**
- a. The work specified in the license is authorized solely for the purpose set forth in the license. No change in purpose or use of the authorized work or facilities as set forth in the license may occur without the prior written approval of the Commissioner. The Licensee shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this license, request permission from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
 - b. A change in the form of ownership of any structure authorized herein from a rental/lease commercial marina to a wholly-owned common interest community or dockominium may constitute a change in purpose as specified in paragraph (a) above.
- 15. De Minimis Alteration.** The Licensee shall not deviate from the authorized activity without prior written approval from the Commissioner. The Licensee may request a de minimis change to any authorized structure, facility, or activity. A de minimis alteration means a change in the authorized design, construction or operation that individually and cumulatively has minimal additional environmental impact and does not substantively alter the project as authorized.

- For diversion activities authorized pursuant to 22a-377(c)-2 of the Regulations of Connecticut State Agencies, a de minimis alteration means an alteration which does not significantly increase the quantity of water diverted or significantly change the capacity to divert water.

16. Extension Request. The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to the Commissioner at least thirty (30) days prior to the license expiration. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. The Commissioner may extend the expiration date of this license for a period of up to one year, in order for the Licensee to complete the authorized activities. It shall be at the Commissioner's sole discretion to grant or deny such request. No more than three (3) one-year extensions will be granted under this license.

17. Compliance Certification. Not later than 90 days after completion of the authorized work, the Licensee shall prepare and submit to the Commissioner the attached Compliance Certification Form. Such Compliance Certification shall be completed, signed, and sealed by the Licensee and a Connecticut Licensed Design Professional. If non-compliance is indicated on the form, or the Commissioner has reason to believe the activities and/or structures were conducted in non-compliance with the license, the Commissioner may require the Licensee to submit as-built plans as a condition of this license.

18. Maintenance. The Licensee shall maintain all authorized structures or work in optimal condition or shall remove such structures or facility and restore the affected waters to their pre-work condition. Any such maintenance or removal activity shall be conducted in accordance with applicable law and any additional approvals required by law.

19. No Work After License Expiration. Work conducted after the license expiration date is a violation of the license and may subject the licensee to enforcement action, including penalties, as provided by law.

20. License Transfer. The license is not transferable without prior written authorization of the Commissioner. A request to transfer a license shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Licensee's obligations under the license shall not be affected by the passage of title to the license site to any other person or municipality until such time as a transfer is approved by the Commissioner.

21. Document Submission. Any document required to be submitted to the Commissioner under the license 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

- 22. Date of Document Submission.** The date of submission to the Commissioner of any document required by the license shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under the license, 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 the license, the word “day” as used in the license means calendar day. Any document or action which is required by the license 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.
- 23. Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under the license shall be signed by the Licensee 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.”
- 24. Accuracy of Documentation.** In evaluating the application for the license, the Commissioner has relied on information and data provided by the Licensee and on the Licensee’s representations concerning site conditions, design specifications and the proposed work, including but not limited to representations concerning the commercial, public or private nature of the work or structures, 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, the license may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
- 25. Limits of Liability.** In granting the license, the Commissioner has relied on all representations of the Licensee, including information and data provided in support of the Licensee’s application. Neither the Licensee’s representations nor the issuance of the license shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
- 26. Reporting of Violations.** In the event that the Licensee becomes aware that they did not or may not comply, or did not or may not comply on time, with any provision of this license or of any document incorporated into the license, the Licensee shall immediately notify the agency contact specified within the license 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 agency contact, the Licensee shall provide, for the agency’s review and written approval, a report including the following information:
- a. the provision(s) of the license that has been violated;
 - b. the date and time the violation(s) was first observed and by whom;

- c. the cause of the violation(s), if known;
- d. if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
- e. if the violation(s) has not ceased, the anticipated date when it will be corrected;
- f. steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented; and
- g. the signatures of the Licensee and of the individual(s) responsible for actually preparing such report.

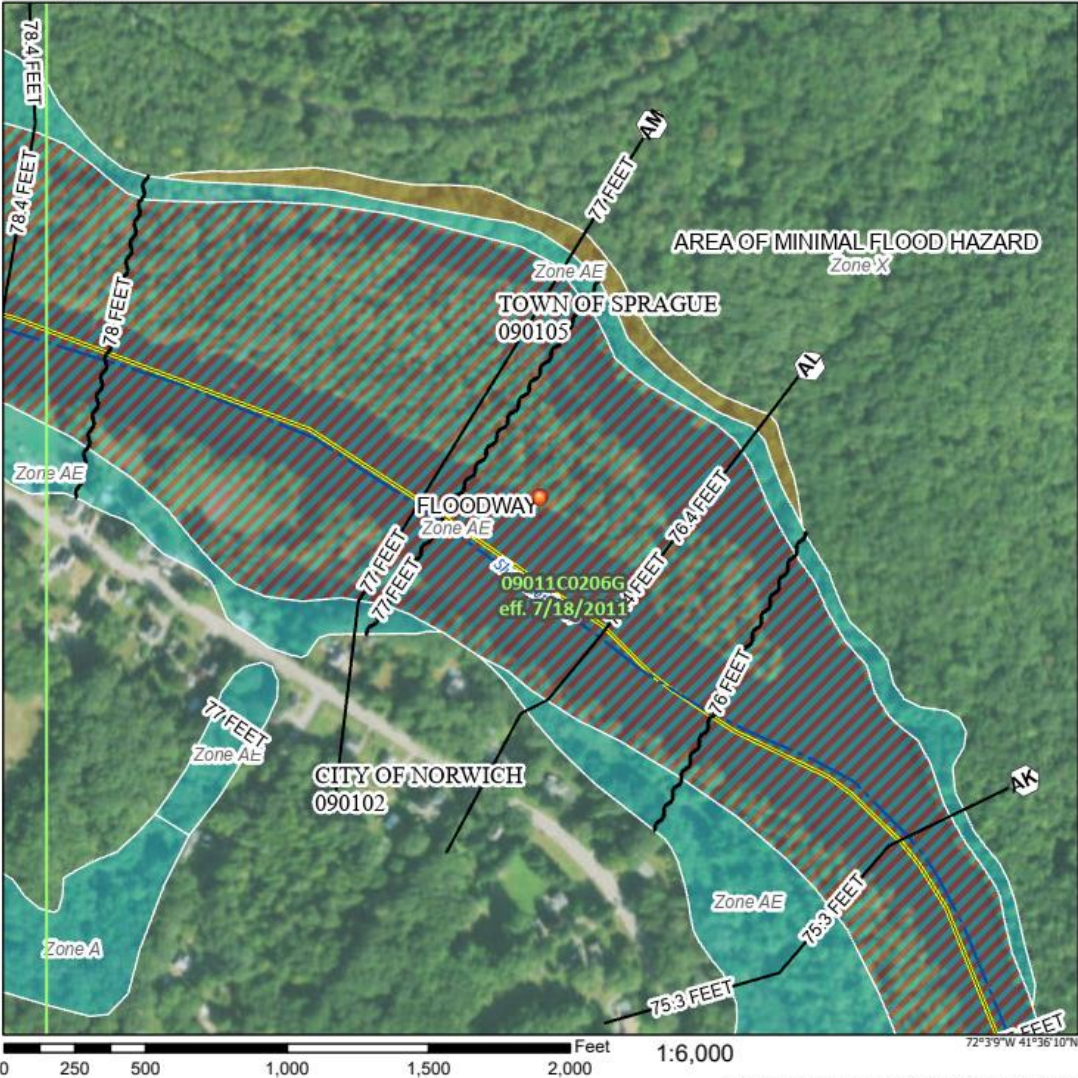
If the violation occurs outside of normal business hours, the Licensee shall contact the Department of Energy and Environmental Protection Emergency Dispatch at 860-424-3333. The Licensee shall comply with any dates which may be approved in writing by the Commissioner.

- 27. Revocation/Suspension/Modification.** The license may be revoked, suspended, or modified in accordance with applicable law.
- 28. Other Required Approvals.** License issuance does not relieve the Licensee of their obligations to obtain any other approvals required by applicable federal, state and local law.
- 29. Rights.** The license 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.
- 30. Condition Conflicts.** In the case where a project specific special condition listed on the license differs from, or conflicts with, one of the general conditions listed herein, the project specific special condition language shall prevail. It is the licensee's responsibility to contact the agency contact person listed on the license for clarification if needed prior to conducting any further regulated activities.

National Flood Hazard Layer FIRMette



72°34'7"W 41°36'37"N



Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/29/2024 at 1:37 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

