



## Connecticut Department of Energy and Environmental Protection License\*

### Inland Wetlands & Watercourses Permit

**Licensee(s):** CT Department of  
Transportation

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

**License Number(s):** 202306977-IW

**Municipality:** Wallingford

**Project Description:** Rehabilitation of Bridge No. 06537 for infrastructure  
improvement

**Project Address/Location:** Route 702 over Wharton Brook

**Waters:** Wharton Brook

**Authorizing CT Statute(s)  
and/or Federal Law:** CGS Section 22a-36 to 45

**Applicable Regulations of  
CT State Agencies:** 22a-39-1 to 15

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

**License Expiration:** Five (5) years from the date of issuance of this license.

**Project Site Plan Set:** *Environmental Permit Plans State Project 0148-0209 Bridge No. 06537 in the Town of Wallingford, nine (9) sheets prepared by the State of Connecticut Department of Transportation, dated July 10, 2023, revised May 24, 2024.*

**License Enclosures:** LWRD General Conditions; Site Plan Set; LWRD Work Commencement Form; LWRD Compliance Certification Form

\*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 # 202306977 and as depicted on any site plan sheets / sets cited herein:

Permanently impact 4,972 square feet (sf) and 2578 sf of watercourse and wetlands, respectively, and temporarily impact 2,388 sf and 620 sf of watercourse and wetlands, respectively, due to the rehabilitation of Bridge No. 06537 which includes:

1. Install sediment and erosion control systems per plan sheets PMT-04;
2. Install permanent 6" Geocell ground grid, 15' wide access roads at north and south culvert ends per plan sheets PMT-02 and PMT-04;
3. Excavate southeast wetland area at outlet to new grade (for temporary access) and streambed materials from Wharton Brook within the temporary impact areas and temporarily stockpile in an upland location per PMT-04;
4. Install temporary, sandbag cofferdams with plastic seal liner at inlet and outlet, and 4' diameter bypass pipe within the length of the culvert per plan sheets PMT-04 and PMT-08;
5. Clear sediment and debris from the culvert invert, move sediment to upland stockpile location, and prepare surface of culvert for repairs;
6. Repair steel arch plates within the existing 262' long, 13' wide and 15' tall ACCMP (asphalt-coated corrugated metal pipe) culvert and install low pressure grout to fill voids and seal-leaking seams per plan sheets PMT-04 and PMT-08;
7. Install 2" thick Ultra High-Performance Concrete (UHPC) invert to a height of 3'-9" in sections along the length of the culvert, by pumping through cored access holes at 50-foot intervals across the culvert length, and/or by hand as needed, per plan sheets PMT-04 and PMT-08;
8. Relocate 4' diameter bypass pipe to opposite culvert face and repeat activities No. 3-4 on opposite invert face per plan sheet PMT-08;
9. Install 1' of modified riprap at toe of inlet and outlet at a maximum 1:2 slope grade, extending 4' into the channel, from wingwall toe, to invert, to wingwall toe, filling voids and topdressing with 1' of reused or supplemental natural streambed material to tie into existing channel grade per plan sheets PMT-04 and PMT-06;
10. Install northwest channel embankment protection along an approximate 60' stretch of the bank by placement of 6" of granular fill, 12" of modified rip rap with voids filled, and 12" of natural streambed material at a 1:1.5 grade slope, tying into a 24" layer of modified rip rap at the embankment toe extending no more than 3' into the channel, covered with 12" of reused or supplemental natural streambed material, per plan sheet PMT-07; and

11. Restore disturbed temporary impact areas as necessary with seeding, planting, and invasive species management per plan sheets PMT-02 and PMT-09 (see notes).

***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. **Wetland and Watercourse Protection.** Prior to commencement of access road construction, the Licensee shall install double silt fences (see PMT-02, Note 5) in disturbed areas within fifty (50) feet of a downgradient wetland and/or watercourse to prevent additional impacts to wetlands and Wharton Brook, and stake impact limits.
3. **CT DEEP Land and Water Resources Enforcement Section Notification.** No later than ten (10) days prior to commencement of access road construction, the Project Proponent shall notify the Land and Water Resources Enforcement Section to schedule an inspection with CTDOT Office of Environmental Planning (OEP) Staff to evaluate the associated watercourse protection measures.
4. **Endangered and Threatened Species.** To protect the Eastern Box Turtle (*Terrapene carolina Carolina*), the Licensee shall adhere to all conditions set forth within NDDDB Determination No. 202304409 and “*Section 1.10 Environmental Compliance... Required Best Management Practices No. 14,*” attached hereto, including but not limited to staking and flagging proposed impact areas to survey and clear from the construction area any located individuals of Eastern Box Turtle prior to the occurrence of any work.
5. **Time of Year Restriction. Fisheries.** The Project Proponent shall ensure the following time of year restrictions are followed per DEEP Fisheries:
  - a. From April 1<sup>st</sup> to June 30<sup>th</sup>, inclusive, the culvert shall remain open to fish passage.
  - b. From July 1<sup>st</sup> to September 30<sup>th</sup>, inclusive, all unconfined in-stream work shall be restricted.
    - i. Confinement of a work area by cofferdam techniques using sandbag 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.
    - ii. Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
  - c. 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.
6. **Tree Protection.** Licensee shall apply tree protection measures per PMT-03 and PMT-09 (Tree protection notes) to protect existing canopy and habitat.
7. **Invasive Species Management and Restoration Plantings.** The Licensee shall manage invasive species present within clearing limits and impact areas, including but not limited to Asiatic bittersweet (*Celastrus orbiculatus*), Autumn Olive (*Elaeagnus umbellate*),

Rambler Rose (*Rosa multiflora*), and Garlic Mustard (*Alliaria petiolate*) in accordance with site plan sheet PMT-09.

8. **Temporary Water Handling.** Temporary water handling facilities shall be conducted within the low flow period from June 1 to September 30, inclusive, and within a period of three (3) months, inclusive, unless otherwise authorized in writing by the commissioner.
9. **Discharge of Concrete.** At no time shall the Licensee allow concrete to discharge into Wharton Brook.

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

\_\_\_\_\_  
Date

\_\_\_\_\_  
Emma Cimino  
Deputy Commissioner  
Environmental Quality Branch



## 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 [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) 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 Commencement<sup>1</sup>.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov), 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 deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not

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

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. **Management of Materials.** Any materials removed from the site shall be managed in accordance with all federal, state, and local requirements, including Chapter 446K Water Pollution Control, Chapter 445 Hazardous Waste, and Chapter 446d Solid Waste of the Connecticut General Statutes.
7. **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.
8. **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.
9. **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.
10. **Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and

managed in a manner which prevents additional impacts to wetlands and watercourses.

- 11. 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.
- 12. 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.
- 13. Work Site Restoration.** Upon completion of any authorized work, the Licensee shall restore all areas temporarily 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.
- 14. 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.
- 15. 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.
- 16. 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.

**17. Extension Request.** The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) 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.

**18. Compliance Certification<sup>2</sup>.** Not later than 90 days after completion of the authorized work, the Licensee shall prepare and submit to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov), 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.

**19. 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.

**20. 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.

**21. 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.

**22. 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:

[DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) or

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<sup>2</sup> The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.



Regulatory Section  
Land & Water Resources Division  
Department of Energy and Environmental Protection  
79 Elm Street  
Hartford, Connecticut 06106-5127  
860-424-3019

- 23. 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.
- 24. 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.”
- 25. 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.
- 26. 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.
- 27. 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.

- 28. Revocation/Suspension/Modification.** The license may be revoked, suspended, or modified in accordance with applicable law.
- 29. 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.
- 30. 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.
- 31. 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.

## **SECTION 1.10 ENVIRONMENTAL COMPLIANCE**

### **In Article 1.10.03-Water Pollution Control: REQUIRED BEST MANAGEMENT PRACTICES**

*Add the following after Required Best Management Practice Number 13:*

14. The Contractor is hereby notified that the State listed species of Special Concern eastern box turtle (*Terrapene carolina carolina*), is present within the Project limits. In Connecticut, this terrestrial turtle lives in a variety of habitats, including woodlands, field edges, thickets, marshes, bogs, and stream banks. Typically however, eastern box turtles are found in well-drained forest bottomlands and open deciduous forests. They will use wetland areas at various times during the season. During the hottest part of a summer day, they will wander to find springs and seepages where they can burrow into the moist soil. Eastern box turtles overwinter in upland forest, typically covered by leaf litter or woody debris. As temperatures drop, the turtles burrow down into soft ground.

All construction activities taking place within the Project limits will need to be coordinated with the Office of Environmental Planning (OEP) through the Engineer. At least 10 days prior to the commencement of any construction activities, the Contractor shall, through the Engineer, arrange for a CT DOT Environmental Inspector from the OEP or their authorized delegate to meet and discuss proper protocol for maintaining environmental commitments made for the protection of this species and habitat. OEP will provide oversight through the Engineer to ensure that the following protocols are followed and maintained during the course of the Project.

For any work done during the eastern box turtle's active period (April 1 to October 31) the Department will require the following precautionary measures to protect the eastern box turtle and eastern box turtle habitat:

- a. All areas within the Project limits must be surveyed and cleared of any turtles immediately prior to the commencement of initial clearing and grubbing activities.
- b. All construction personnel working within eastern box turtle habitat must be apprised of the species description and the possible presence of this listed species.
- c. Exclusionary practices will be required in order to prevent any eastern box turtle access to construction areas. These measures will need to be installed at the limits of disturbance as shown on the plans.
- d. Exclusionary fencing shall be at least 20" tall and must be secured to and remain in contact with the ground. It shall be regularly inspected / maintained to prevent any gaps or openings at ground level. Standard silt fence is adequate; fencing with netting shall not be used.

- e. The Contractor must search the work area each morning for the presence of this listed species prior to any work being done.
- f. Any eastern box turtles encountered within the immediate work area shall be carefully moved to an adjacent area outside of the excluded area and the Engineer shall be immediately informed in order to contact OEP with the location.
- g. All staging and storage areas in the vicinity of turtle habitat, outside of previously paved locations, regardless of the duration of time they will be utilized, must be reviewed by and receive written approval from OEP through the Engineer.
- h. No heavy machinery or vehicles may be parked in any unapproved eastern box turtle habitat.
- i. Exclusionary fencing shall be removed when it is no longer needed, and silt fence shall be removed as soon as the area is stable to allow for reptile and amphibian passage to resume.

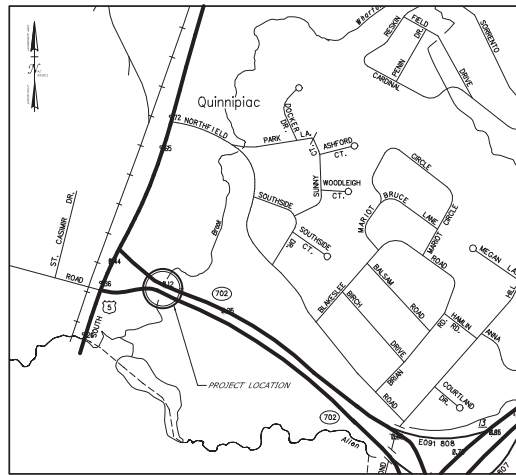
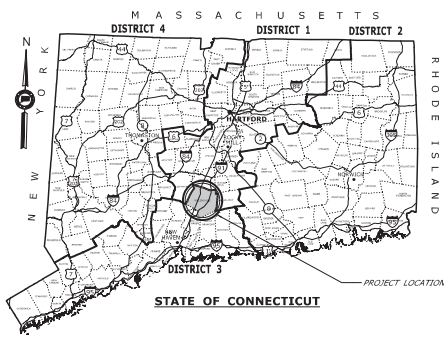
Work may take place during the eastern box turtle's inactive (hibernation) period (November 1 to March 31) with the following additional precautionary measure:

- a. Exclusionary fencing must be installed and the area inspected for turtles by the Engineer or Engineer's approved representative prior to October 1.

These practices will be applied to the entire Project unless a sketch is attached, which identifies specific areas of concern.

This species is protected by State laws, which prohibit killing, harming, taking, or keeping them in your possession. Photographs and the laws protecting eastern box turtles shall be posted in the Contractor's and DOT field offices (species ID sheets will be provided by OEP).

# ENVIRONMENTAL PERMIT PLANS STATE PROJECT 0148-0209 BRIDGE NO. 06537 IN THE TOWN OF WALLINGFORD



DRAWING NO.	DRAWING TITLE
PMT-01	TITLE SHEET
PMT-02	TYPICAL SECTIONS
PMT-03	GENERAL SITE PLAN
PMT-04	WETLAND/WATERCOURSE IMPACT PLAN
PMT-05	100-YEAR FLOOD IMPACT PLAN
PMT-06	GRADE ELEVATIONS AND SECTION PLAN
PMT-07	STREAM BANK STABILIZATION
PMT-08	WATER HANDLING PLAN AND DETAILS
PMT-09	PERMIT PLANTING PLAN

**GENERAL NOTES**

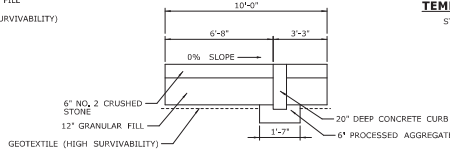
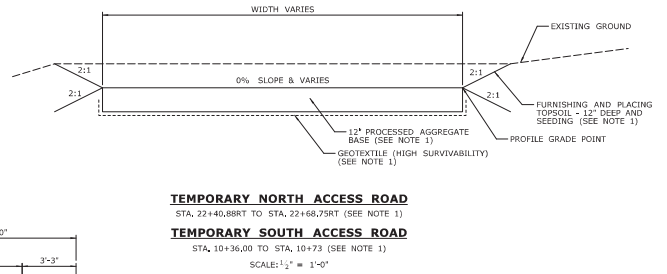
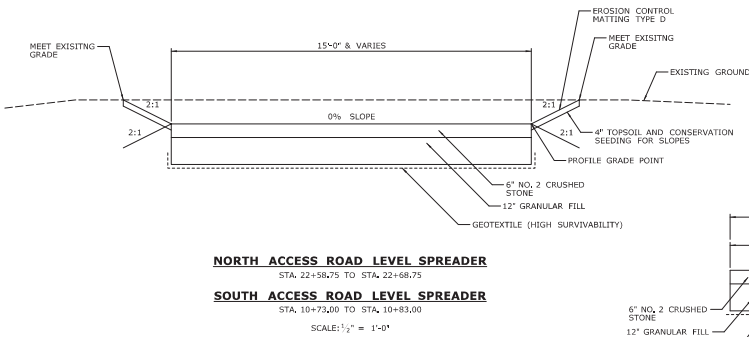
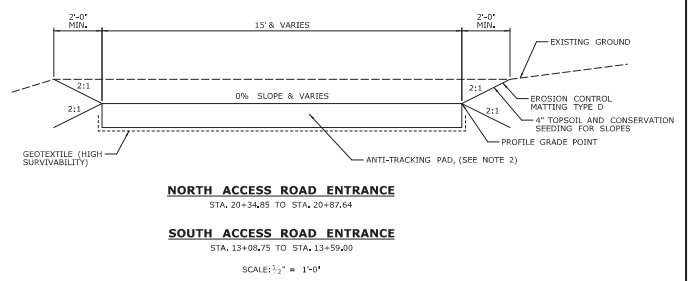
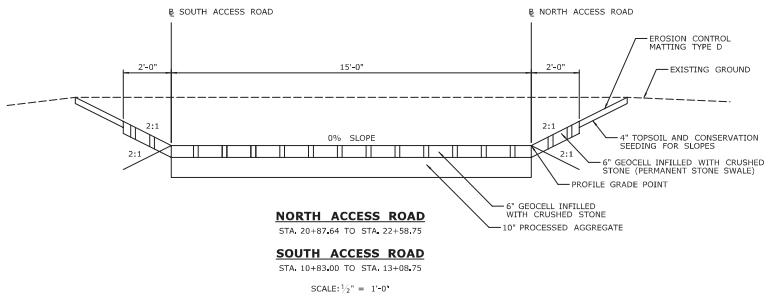
1. THESE PLANS ARE NOT FOR CONSTRUCTION AND INTENDED ONLY FOR ENVIRONMENTAL PERMITTING PURPOSES. THESE PLANS HOLD AUTHORITY FOR ALL ACTIVITIES CONCERNING THE REGULATED AREA. FOR DETAILED PLANIMETRIC INFORMATION AND PAYMENT, REFER TO THE APPLICABLE CONTRACT DOCUMENTS.
2. THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO DEEP AND USAGE FOR CHANGES TO THE DESIGN THAT WILL AFFECT REGULATED AREAS.
3. FOR A DESCRIPTION OF THE WATERCOURSES, WETLANDS AND WETLAND SOILS, SEE RELEVANT SECTIONS OF THE PERMIT APPLICATION.
4. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D 1983/2011 VERTICAL DATUM BASED ON NGVD OF 1988.
5. ALL CONSTRUCTION ACTIVITIES WILL BE CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 818 SECTION 1.10 AND WILL ALSO FOLLOW REQUIRED BEST MANAGEMENT PRACTICES (BMPs) AND SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH THE 2002 EROSION AND SEDIMENTATION CONTROL GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.

DESIGNED BY:  
MOTI MAFZANIN M  
170 Capital Blvd  
4th Floor  
Rocky Hill, CT 06067

Jeffrey J. Long  
2023.07.17  
'5:07:12-4'00"

**ENVIRONMENTAL PERMIT PLANS**  
PLAN DATE: July 10, 2023

	DESIGNER: DTK CHECKED BY: J SCALE AS NOTED	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> <small>Tel: 860-418-7000 Fax: 860-418-7001</small>	 Moti Mafzanin 170 Capital Blvd 4th Floor Rocky Hill, CT 06067	PROJECT TITLE: <b>REHABILITATION OF BRIDGE NO. 06537 SR 702 OVER WHARTON BROOK</b>	SHEET NO: <b>WALLINGFORD</b> DRAWING TITLE: <b>TITLE SHEET</b> SHEET NO: <b>01</b>	SHEET NO: <b>148-209</b> DRAWING NO: <b>PMT-01</b> SHEET NO: <b>01</b>
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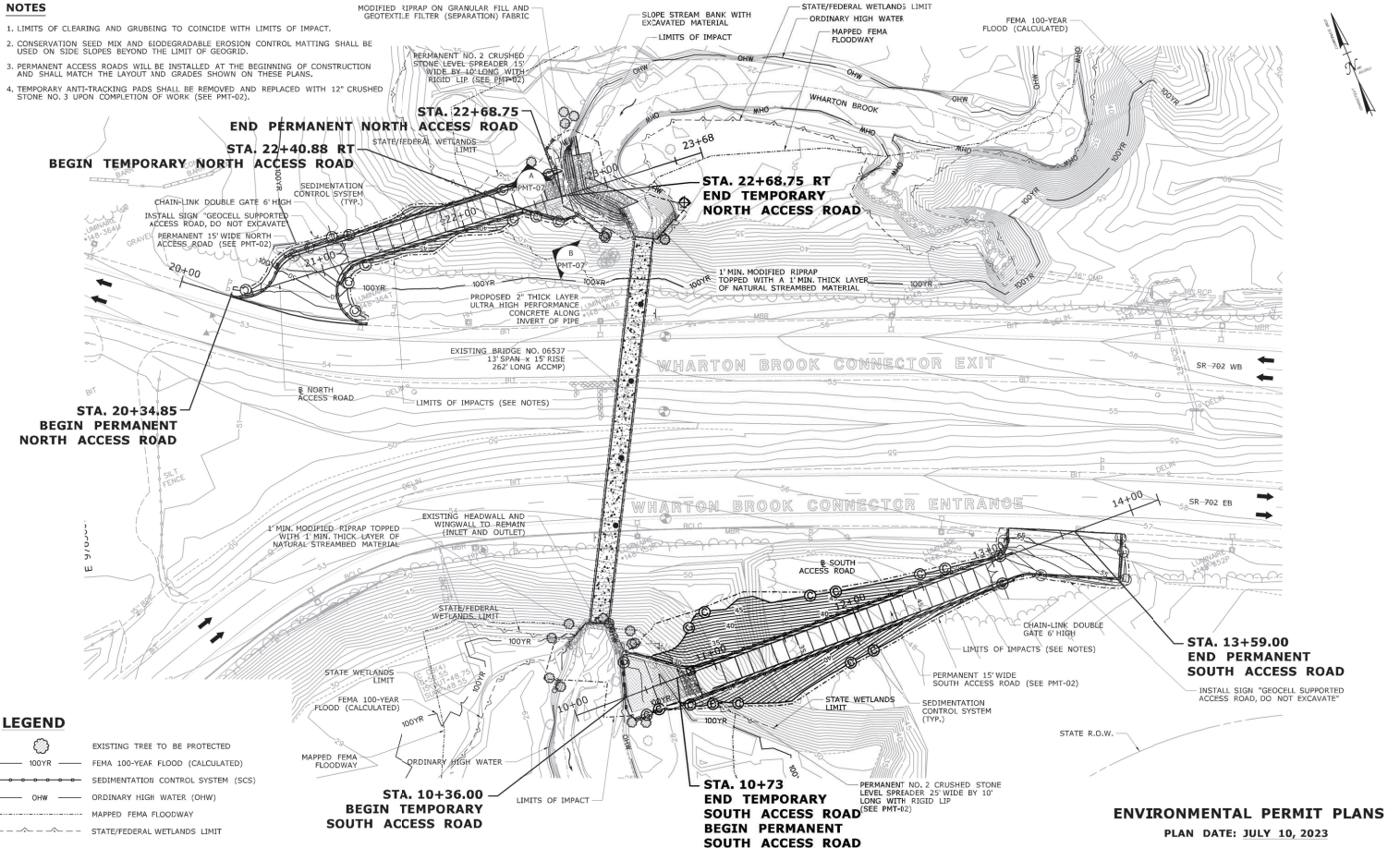
- NOTE:**
- UPON COMPLETION OF BRIDGE REHABILITATION CONTRACTOR SHALL REMOVE PROCESSED AGGREGATE BASE AND GEOTEXTILE FROM LIMITS WITHIN TEMPORARY ACCESS ROAD AND RESTORE WITH 12" OF TOPSOIL. REFER TO PERMIT PLANTING PLAN FOR SEED MIX.
  - TEMPORARY ANTI-TRACKING PADS AND GEOTEXTILE SHALL BE REMOVED AND REPLACED WITH 12" CRUSHED STONE NO. 3 UPON COMPLETION OF WORK.

**ENVIRONMENTAL PERMIT PLANS**  
PLAN DATE: JULY 10, 2023

REVISIONS: DTK MMT SCALE AS NOTED			STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		PROJECT TITLE: <b>REHABILITATION OF          BRIDGE NO. 06537 SR 702          OVER WHARTON BROOK</b>		WORK: <b>WALLINGFORD</b>		PROJECT NO.: <b>148-209</b>	
SHEET NO.: 02			DRAWING TITLE: <b>TYPICAL SECTIONS</b>		DRAWING NO.: <b>PMT-02</b>		SHEET NO.: <b>02</b>			

**NOTES**

- LIMITS OF CLEARING AND GRUBBING TO COINCIDE WITH LIMITS OF IMPACT.
- CONSERVATION SEED MIX AND ERODIBLE EROSION CONTROL MATTING SHALL BE USED ON SIDE SLOPES BEYOND THE LIMIT OF GEGRID.
- PERMANENT ACCESS ROADS WILL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND SHALL MATCH THE LAYOUT AND GRADES SHOWN ON THESE PLANS.
- TEMPORARY ANTI-TRACKING PADS SHALL BE REMOVED AND REPLACED WITH 12" CRUSHED STONE NO. 3 UPON COMPLETION OF WORK (SEE PMT-02).



**LEGEND**

	EXISTING TREE TO BE PROTECTED
	FEMA 100-YEAR FLOOD (CALCULATED)
	SEDIMENTATION CONTROL SYSTEM (SCS)
	ORDINARY HIGH WATER (OHW)
	MAPPED FEMA FLOODWAY
	STATE/FEDERAL WETLANDS LIMIT

**ENVIRONMENTAL PERMIT PLANS**  
 PLAN DATE: JULY 10, 2023

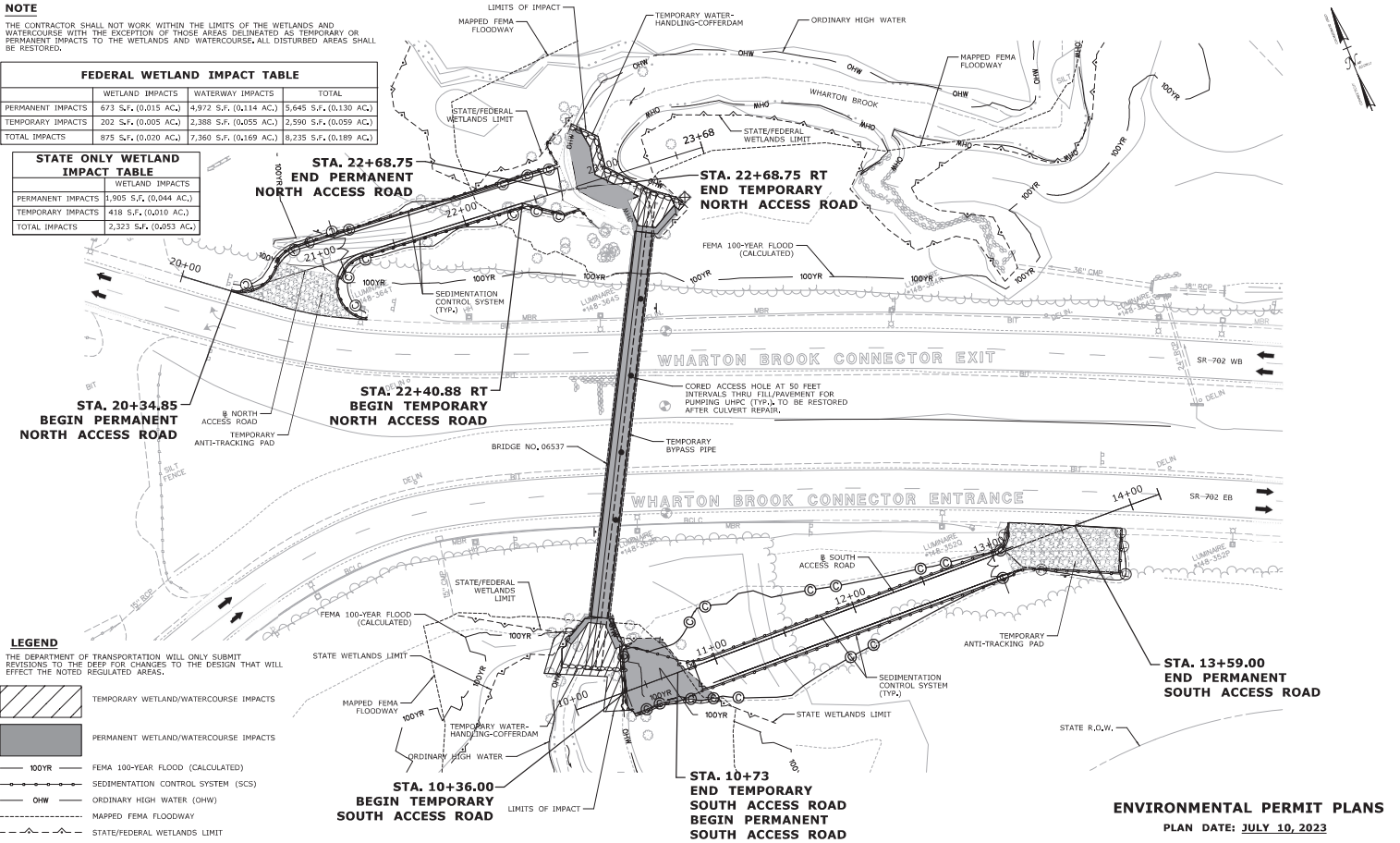
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">REV.</td> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">REVISION DESCRIPTION</td> <td style="font-size: 8px;">SHEET NO.</td> <td style="font-size: 8px;">Revised Date: 7/10/2023</td> </tr> </table>	REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Revised Date: 7/10/2023	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">PROJECT/PROGRAM:</td> <td style="font-size: 8px;">DTX</td> </tr> <tr> <td style="font-size: 8px;">CHECKED BY:</td> <td style="font-size: 8px;">JJ</td> </tr> <tr> <td style="font-size: 8px;">SCALE IN FEET:</td> <td style="font-size: 8px;">1" = 30'</td> </tr> </table>	PROJECT/PROGRAM:	DTX	CHECKED BY:	JJ	SCALE IN FEET:	1" = 30'	<p><b>STATE OF CONNECTICUT</b>          DEPARTMENT OF TRANSPORTATION</p> <p style="font-size: 8px;">Reference: 148-209-PMT-03-General Site Plan.dwg</p>	<p style="font-size: 8px;">Matt MacDonald          170 Oakton Blvd          4th Floor          Rocky Hill, CT 06067</p>	<p><b>REHABILITATION OF</b>  <b>BRIDGE NO. 06537 SR 702</b>  <b>OVER WHARTON BROOK</b></p>	<p><b>WALLINGFORD</b></p> <p><b>GENERAL SITE PLAN</b></p>	<p>PROJECT NO.  <b>148-209</b></p> <p>PERMIT NO.  <b>PMT-03</b></p> <p>SHEET NO.  <b>03</b></p>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Revised Date: 7/10/2023													
PROJECT/PROGRAM:	DTX																
CHECKED BY:	JJ																
SCALE IN FEET:	1" = 30'																

**NOTE**

THE CONTRACTOR SHALL NOT WORK WITHIN THE LIMITS OF THE WETLANDS AND WATERCOURSE WITH THE EXCEPTION OF THOSE AREAS DELINEATED AS TEMPORARY OR PERMANENT IMPACTS TO THE WETLANDS AND WATERCOURSE, ALL DISTURBED AREAS SHALL BE RESTORED.

FEDERAL WETLAND IMPACT TABLE			
	WETLAND IMPACTS	WATERWAY IMPACTS	TOTAL
PERMANENT IMPACTS	673 S.F. (0.015 AC.)	4,972 S.F. (0.114 AC.)	5,645 S.F. (0.130 AC.)
TEMPORARY IMPACTS	202 S.F. (0.005 AC.)	2,388 S.F. (0.055 AC.)	2,590 S.F. (0.059 AC.)
TOTAL IMPACTS	875 S.F. (0.020 AC.)	7,360 S.F. (0.169 AC.)	8,235 S.F. (0.189 AC.)

STATE ONLY WETLAND IMPACT TABLE	
	WETLAND IMPACTS
PERMANENT IMPACTS	1,905 S.F. (0.044 AC.)
TEMPORARY IMPACTS	418 S.F. (0.010 AC.)
TOTAL IMPACTS	2,323 S.F. (0.053 AC.)



**LEGEND**  
THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO THE DEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

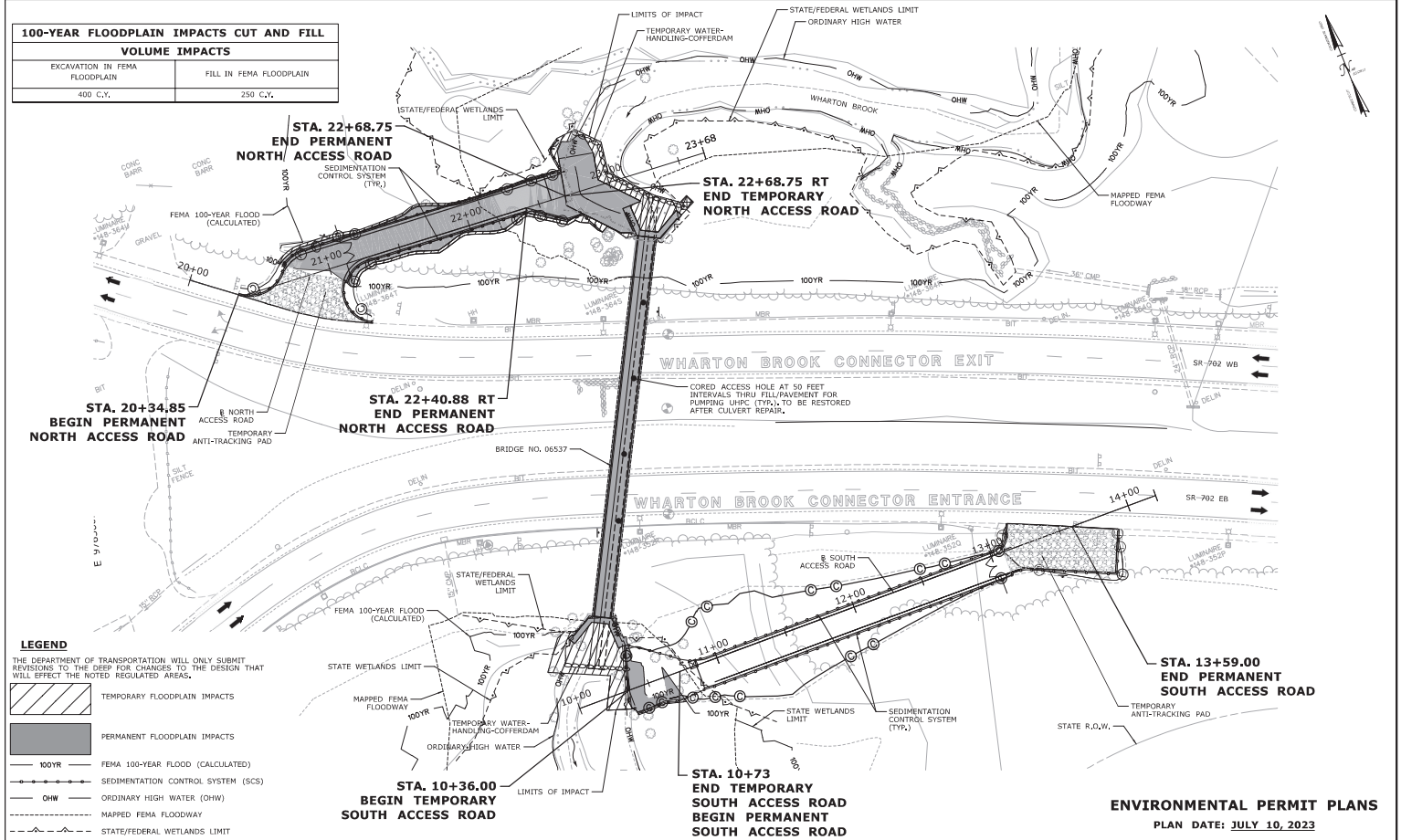
- TEMPORARY WETLAND/WATERCOURSE IMPACTS
- PERMANENT WETLAND/WATERCOURSE IMPACTS
- 100YR FEMA 100-YEAR FLOOD (CALCULATED)
- SEDIMENTATION CONTROL SYSTEM (SCS)
- ORDINARY HIGH WATER (OHW)
- MAPPED FEMA FLOODWAY
- STATE/FEDERAL WETLANDS LIMIT

**ENVIRONMENTAL PERMIT PLANS**  
PLAN DATE: JULY 10, 2023

REVISIONS: NO. DATE REVISION DESCRIPTION SHEET NO. (Revised Date: 7/10/2023)	PROJECT NO. DTK DRAWING NO. 11 SCALE IN FEET 0 30 60 SCALE: 1" = 30' STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Met MacDonald 175 Graham Road 4th Floor Storrs, CT 06268	PROJECT TITLE: <b>REHABILITATION OF BRIDGE NO. 06537 SR 702 OVER WHARTON BROOK</b>	OWNER: <b>WALLINGFORD</b>	PROJECT NO. <b>148-209</b> DRAWING NO. <b>PMT-04</b> SHEET NO. <b>04</b>
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100-YEAR FLOODPLAIN IMPACTS CUT AND FILL	
VOLUME IMPACTS	
EXCAVATION IN FEMA FLOODPLAIN	FILL IN FEMA FLOODPLAIN
400 C.Y.	250 C.Y.



**LEGEND**  
 THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO THE DEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- TEMPORARY FLOODPLAIN IMPACTS
- PERMANENT FLOODPLAIN IMPACTS
- 100YR FEMA 100-YEAR FLOOD (CALCULATED)
- SEDIMENTATION CONTROL SYSTEM (SCS)
- ORDINARY HIGH WATER (OHW)
- MAPPED FEMA FLOODWAY
- STATE/FEDERAL WETLANDS LIMIT

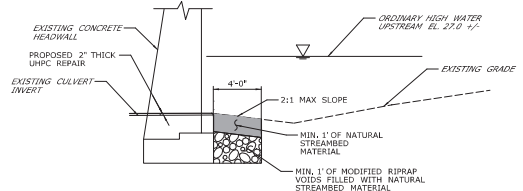
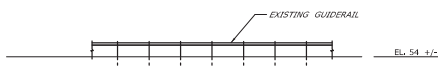
**ENVIRONMENTAL PERMIT PLANS**  
 PLAN DATE: JULY 10, 2023

REVISIONS: DTX 11 SCALE IN FEET 0 30 60 SCALE: 1" = 30' 11/14/2023 11:40:10 AM SR702-100 Year Flood Impact-06537.dwg	<p>STATE OF CONNECTICUT          DEPARTMENT OF TRANSPORTATION</p>	<p>PROJECT TITLE:  <b>REHABILITATION OF BRIDGE NO. 06537 SR 702 OVER WHARTON BROOK</b></p>	WALLINGFORD 100-YEAR FLOOD IMPACT PLAN SHEET NO. 05	PROJECT NO. <b>148-209</b> DRAWING TITLE: <b>PMT-05</b> SHEET NO. <b>05</b>
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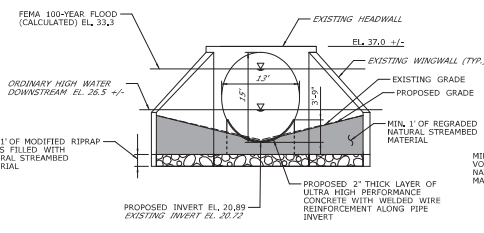
HYDRAULIC SUMMARY DATA	
DRAINAGE AREA [SQ MI]	6.1
DESIGN FREQUENCY [YR]	100
DESIGN DISCHARGE [CFS]	1600
AVERAGE DAILY FLOW ELEVATION [FT]	UPSTREAM 24.6 DOWNSTREAM 23.9
DESIGN WATER SURFACE ELEVATION [FT]	UPSTREAM 36.7 DOWNSTREAM 29.5

**OPENNESS RATIO (OR):**  
 OR = OPEN AREA/CULVERT LENGTH  
 OR = 151.7 5.4/262.0 FT = 0.58 < 0.82

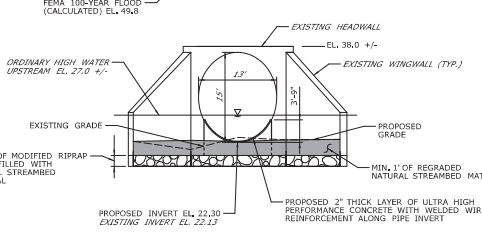
**BANKFULL WIDTH (BW):**  
 BW = 34.7 FT EXISTING UPSTREAM (CHW)  
 1.2 BW = 41.6 FT  
 41.6 FT > 13.0 FT EXISTING CULVERT SPAN



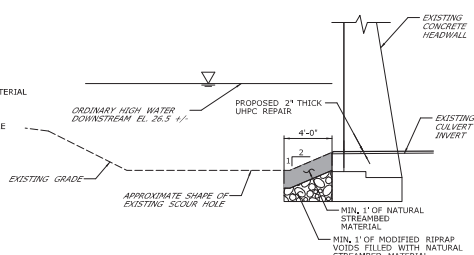
**DETAIL A - INLET SECTION (LOOKING WEST)**  
N.T.S.



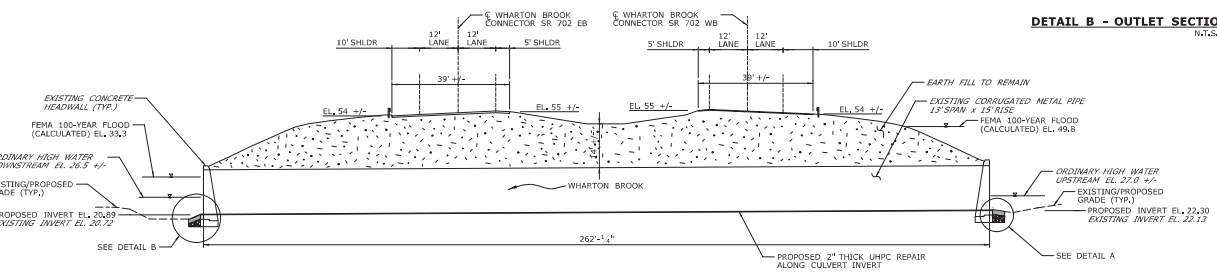
**OUTLET ELEVATION (LOOKING NORTH)**  
SCALE: 1/4" = 1'-0"



**INLET ELEVATION (LOOKING SOUTH)**  
SCALE: 1/2" = 1'-0"



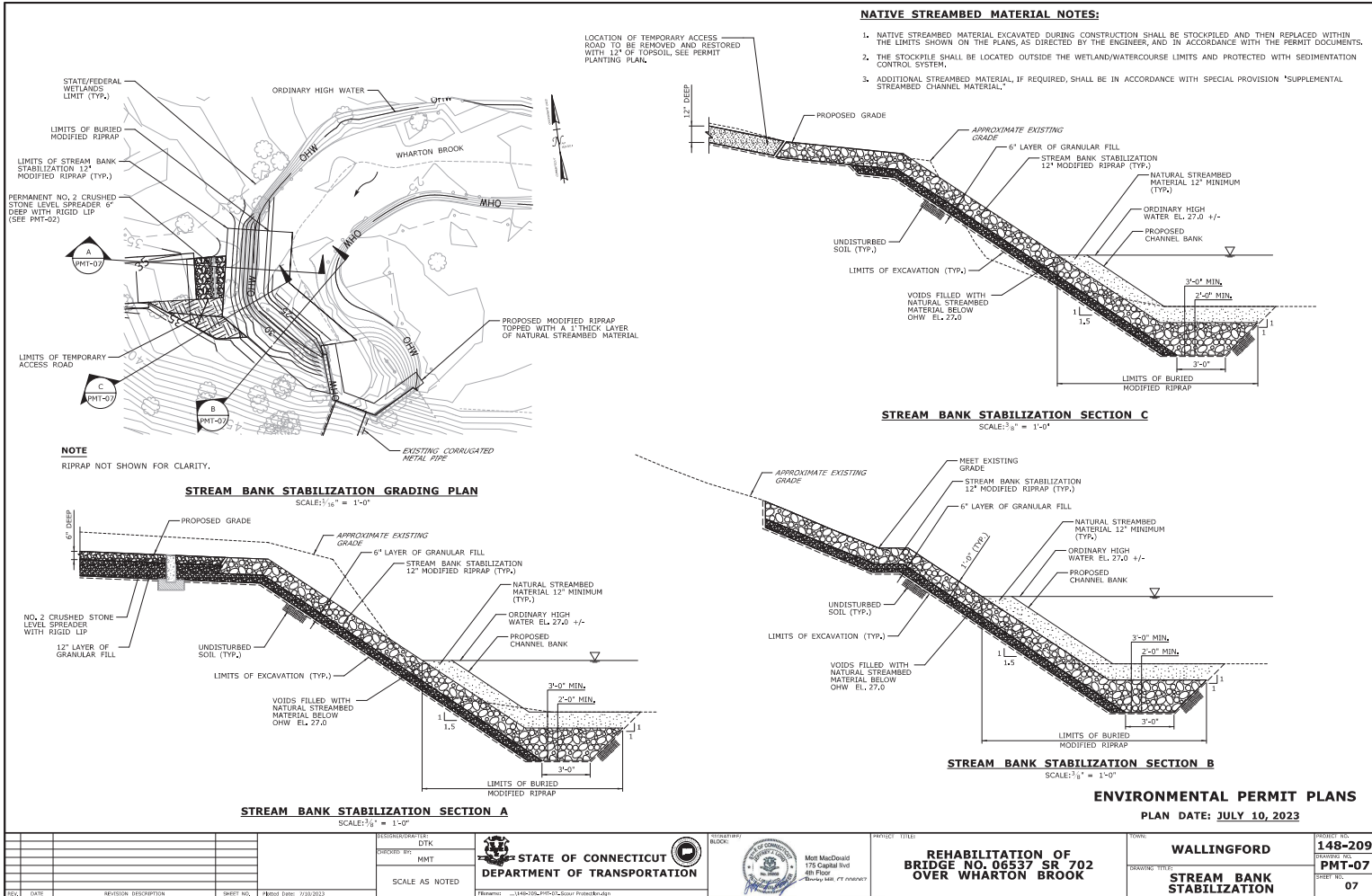
**DETAIL B - OUTLET SECTION (LOOKING WEST)**  
N.T.S.



**TYPICAL SECTION (LOOKING WEST)**  
SCALE: 1/16" = 1'-0"

**ENVIRONMENTAL PERMIT PLANS**  
PLAN DATE: JULY 10, 2023

DESIGNER: DTK	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: <b>REHABILITATION OF BRIDGE NO. 06537 SR 702 OVER WHARTON BROOK</b>	WORK: <b>WALLINGFORD CULVERT ELEVATION AND SECTION PLAN</b>	PROJECT NO.: <b>148-209</b>
SCALE AS NOTED	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	DESIGNED BY: Matt MacDonnell 175-0204-001 497 FPO Pocahontas, CT 06067	DRAWING NO.: <b>PMT-06</b>	SHEET NO.: <b>06</b>
REV. DATE	REVISION DESCRIPTION	SHEET NO.	2800d Date: 7/10/2023	



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Total Sheets	2023 Date

DESIGNED BY: DTK  
 CHECKED BY: MMT  
 SCALE AS NOTED

STATE OF CONNECTICUT  
 DEPARTMENT OF TRANSPORTATION

PROJECT NO.: 148-209  
 DRAWING NO.: PMT-07

DESIGNED BY: MMT  
 CHECKED BY: MMT  
 SCALE AS NOTED

STATE OF CONNECTICUT  
 DEPARTMENT OF TRANSPORTATION

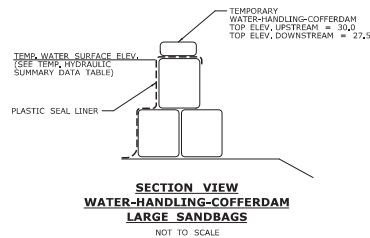
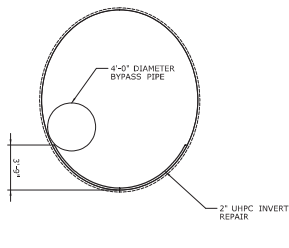
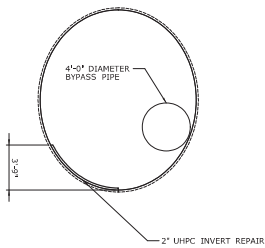
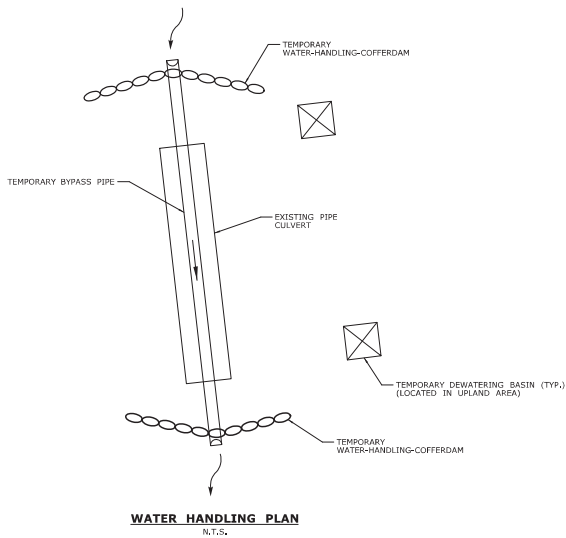
PROJECT NO.: 148-209  
 DRAWING NO.: PMT-07

PROJECT TITLE:  
**REHABILITATION OF  
 BRIDGE NO. 06537 SR 702  
 OVER WHARTON BROOK**

WORKSHEET NO.:  
**148-209**

DRAWING TITLE:  
**STREAM BANK STABILIZATION**

SHEET NO.:  
**07**



**WATER HANDLING NOTES**

THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE TEMPORARY BYPASS PIPE AS SHOWN DURING REHABILITATION OF THE EXISTING STRUCTURE. USE OF BYPASS PUMPING IS STRICTLY PROHIBITED. EQUIPMENT SHALL NOT BE PERMITTED WITHIN THE STREAM WHEN THE WATER-HANDLING-COFFERDAM IS NOT IN PLACE.

A DEWATERING BASIN SHALL BE ESTABLISHED OUTSIDE OF THE WETLAND/WATERCOURSE LIMITS. THE LOCATION OF THE DEWATERING BASIN IS APPROXIMATE, THE EXACT POSITION MAY VARY BASED ON THE PUMPING DESIGN FOR THE DEWATERING BASIN SUBMISSION APPROVED BY THE ENGINEER.

TEMPORARY COFFERDAM SHALL CONSIST OF PLASTIC LINER, SANDBAGS OR ANY OTHER APPROVED SYSTEM THAT THE CONTRACTOR ELECTS TO USE WHICH WILL SAFELY CONVEY WATER FLOWS THROUGH THE CONSTRUCTION AREA. SHALL BE ABLE TO SUPPORT CONSTRUCTION ACTIVITY AND EXCAVATION, AND SHALL CONFORM TO PERMITS.

TEMPORARY HYDRAULIC SUMMARY DATA TABLE VALUES ARE BASED UPON THE HYDRAULIC ANALYSIS REPORT PREPARED BY CHA CONSULTING, INC.

**TIME OF YEAR RESTRICTION NOTES:**

CULVERT TO REMAIN OPEN TO FISH PASSAGE FROM APRIL 1 THROUGH JUNE 30, INCLUSIVE, IN WATER WORK, INCLUDING THE INSTALLATION AND REMOVAL OF WATER-HANDLING-COFFERDAMS AND BYPASS PIPES, IS PROHIBITED DURING THIS TIME.

ANY UNCONFINED IN-STREAM WORK SHALL BE LIMITED TO THE PERIOD OF JULY 1 TO SEPTEMBER 30TH INCLUSIVE.

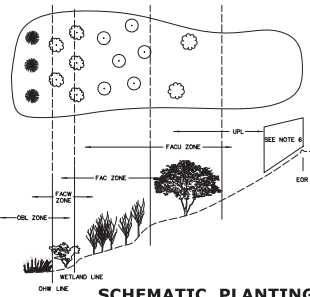
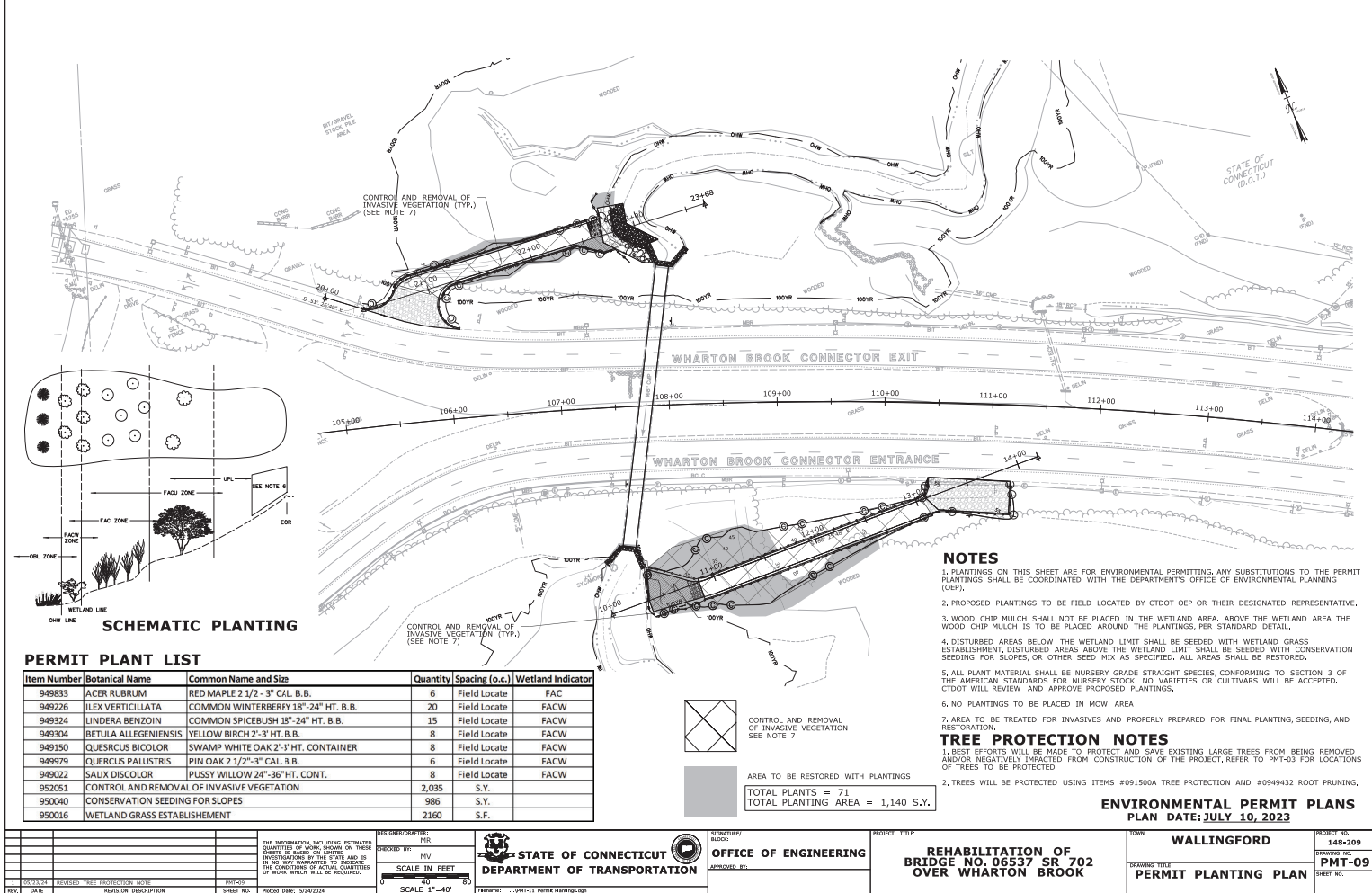
**SUGGESTED SEQUENCE OF CONSTRUCTION**

1. INSTALL SEDIMENTATION AND EROSION CONTROL SYSTEM.
2. INSTALL HPI AND SIGNAGE.
3. STAKE OR FLAG CONSTRUCTION AND LIMITS OF IMPACT AND THEN CLEAR TURTLES FROM WORK ZONE AREA.
4. PERFORM CLEARING AND GRUBBING AND INITIAL INVASIVE TREATMENT.
5. INSTALL TREE PROTECTION LOGS.
6. INSTALL ACCESS ROADS AND TEMPORARY ANTI-TRACKING PADS.
7. INSTALL TEMPORARY WATER-HANDLING-COFFERDAMS AND STAGE 1 BYPASS PIPE, DIVERT WATER TO BYPASS PIPE.
8. REMOVE SEDIMENT/DEBRIS FROM CULVERT INVERT AND PREPARE SURFACE OF CULVERT FOR REPAIRS.
9. PERFORM STEEL ARCH PLATE REPAIRS.
10. INSTALL LOW PRESSURE GROUT TO FILL VOIDS AND SEAL LEAKING SEAMS IN CULVERT.
11. CONSTRUCT STAGE 1 UHPC INVERT REPAIR IN SECTIONS ALONG LENGTH OF CULVERT.
12. RELOCATE BYPASS PIPE FOR STAGE 2 CONSTRUCTION.
13. PREPARE SURFACE OF CULVERT FOR REPAIRS.
14. PERFORM STEEL ARCH PLATE REPAIRS.
15. INSTALL LOW PRESSURE GROUT TO FILL VOIDS AND SEAL LEAKING SEAMS IN CULVERT.
16. CONSTRUCT STAGE 2 UHPC INVERT REPAIR IN SECTIONS ALONG LENGTH OF CULVERT.
17. INSTALL RIP RAP AT EACH END OF CULVERT.
18. INSTALL NORTHWEST CHANNEL EMBANKMENT PROTECTION MEASURES AND SEED SLOPES.
19. REMOVE WATER HANDLING COMPONENTS.
20. REMOVE LIMITS OF TEMPORARY ACCESS ROADS AND TEMPORARY ANTI-TRACKING PADS AND RESTORE AREA.
21. REMOVE TREE PROTECTION.
22. TREAT SITE FOR INVASIVE SPECIES AND INSTALL PLANTS.
23. REMOVE HPI AND SIGNAGE.
24. REMOVE SEDIMENTATION AND EROSION CONTROL UPON PERMANENT STABILIZATION.

TEMPORARY HYDRAULIC SUMMARY DATA		
AVERAGE DAILY FLOW (ADP) (CFS)	11	
AVERAGE SPRING FLOW (ASF) (CFS)	22	
2-YEAR FREQUENCY DISCHARGE (CFS)	300	
TEMPORARY DESIGN DISCHARGE (CFS)	88	
TEMPORARY DESIGN FREQUENCY	4xASF	
TEMPORARY WATER SURFACE ELEV. (FT)	UPSTREAM	DOWNSTREAM
	29.5	25.2

**ENVIRONMENTAL PERMIT PLANS**  
PLAN DATE: JULY 10, 2023

REVISIONS: NO. DATE REVISION DESCRIPTION SHEET NO. (Revised Date: 7/10/2023)	DESIGNED BY: DTK CHECKED BY: MMT SCALE AS NOTED	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Title: ...148-209-PR-006-000-001	SIGNATURE BLOCK:  Matt MacDonell 125 Goshen Blvd. 491 Fox Rocky Hill, CT 06067	PROJECT TITLE: <b>REHABILITATION OF BRIDGE NO. 06537 SR 702 OVER WHARTON BROOK</b>	LOCATION: <b>WALLINGFORD</b> DRAWING TITLE: <b>WATER HANDLING PLAN AND DETAILS</b>	PROJECT NO.: <b>148-209</b> DRAWING NO.: <b>PMT-08</b> SHEET NO.: <b>08</b>
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**PERMIT PLANT LIST**

Item Number	Botanical Name	Common Name and Size	Quantity	Spacing (o.c.)	Wetland Indicator
949833	ACER RUBRUM	RED MAPLE 2 1/2" - 3" CAL. B.B.	6	Field Locate	FAC
949226	ILEX VERTICILLATA	COMMON WINTERBERRY 18"-24" HT. B.B.	20	Field Locate	FACW
949324	LINDERA BENZOIN	COMMON SPICEBUSH 18"-24" HT. B.B.	15	Field Locate	FACW
949304	BETULA ALLEGIENSIS	YELLOW BIRCH 2'-3" HT. B.B.	8	Field Locate	FACW
949150	QUERCUS BICOLOR	SWAMP WHITE OAK 2'-3" HT. CONTAINER	8	Field Locate	FACW
949979	QUERCUS PALLISTRIS	PIN OAK 2 1/2" - 3" CAL. B.B.	6	Field Locate	FACW
949022	SALIX DISCOLOR	PUSSY WILLOW 24"-36" HT. CONT.	8	Field Locate	FACW
952051	CONTROL AND REMOVAL OF INVASIVE VEGETATION		2,035	S.Y.	
950040	CONSERVATION SEEDING FOR SLOPES		986	S.Y.	
950016	WETLAND GRASS ESTABLISHMENT		2160	S.F.	

- NOTES**
1. PLANTINGS ON THIS SHEET ARE FOR ENVIRONMENTAL PERMITTING, ANY SUBSTITUTIONS TO THE PERMIT PLANTINGS SHALL BE COORDINATED WITH THE DEPARTMENT'S OFFICE OF ENVIRONMENTAL PLANNING (OEP).
  2. PROPOSED PLANTINGS TO BE FIELD LOCATED BY CTDOT OEP OR THEIR DESIGNATED REPRESENTATIVE.
  3. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA, ABOVE THE WETLAND AREA THE WOOD CHIP MULCH IS TO BE PLACED AROUND THE PLANTINGS, PER STANDARD DETAIL.
  4. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEED WITH WETLAND GRASS ESTABLISHMENT, DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE SEED WITH CONSERVATION SEEDING FOR SLOPES, OR OTHER SEED MIX AS SPECIFIED, ALL AREAS SHALL BE RESTORED.
  5. ALL PLANT MATERIAL SHALL BE NURSERY GRADE STRAIGHT SPECIES, CONFORMING TO SECTION 3 OF THE AMERICAN STANDARDS FOR NURSERY STOCK, NO VARIETIES OR CULTIVARS WILL BE ACCEPTED. CTDOT WILL REVIEW AND APPROVE PROPOSED PLANTINGS.
  6. NO PLANTINGS TO BE PLACED IN MOW AREA
  7. AREA TO BE TREATED FOR INVASIVES AND PROPERLY PREPARED FOR FINAL PLANTING, SEEDING, AND RESTORATION.
- TREE PROTECTION NOTES**
1. BEST EFFORTS WILL BE MADE TO PROTECT AND SAVE EXISTING LARGE TREES FROM BEING REMOVED AND/OR NEGATIVELY IMPACTED FROM CONSTRUCTION OF THE PROJECT, REFER TO PMT-03 FOR LOCATIONS OF TREES TO BE PROTECTED.
  2. TREES WILL BE PROTECTED USING ITEMS #091500A TREE PROTECTION AND #0949432 ROOT PRUNING.

CONTROL AND REMOVAL OF INVASIVE VEGETATION SEE NOTE 7  
 AREA TO BE RESTORED WITH PLANTINGS  
 TOTAL PLANTS = 71  
 TOTAL PLANTING AREA = 1,140 S.Y.

**ENVIRONMENTAL PERMIT PLANS**  
**PLAN DATE: JULY 10, 2023**

THE INFORMATION INCLUDING ESTIMATED QUANTITIES OF WOOD, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS TO BE USED ONLY TO INDICATE THE CONDITIONS OF MATERIAL QUANTITIES OF WOOD WHICH WILL BE REQUIRED. SHEET NO. 502324 PROJECT DATE: 5/24/2024	DESIGNED BY: MR CHECKED BY: MV SCALE IN FEET: 1"=40' DATE:	 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION	 <b>OFFICE OF ENGINEERING</b> APPROVED BY:	PROJECT TITLE: <b>REHABILITATION OF BRIDGE NO. 06537 SR 702 OVER WHARTON BROOK</b>	TOWN: <b>WALLINGFORD</b>	PROJECT NO.: <b>148-209</b> DRAWING NO.: <b>PMT-09</b> SHEET NO.:
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### **LWRD Work Commencement Form**

**To:** [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) or  
Regulatory Section  
Department of Energy and Environmental Protection  
Land & Water Resources Division  
79 Elm Street  
Hartford, CT 06106-5127

**Licensee Name:** CT Department of Transportation

**Municipality in which the project is occurring:** Wallingford

**DEEP License No(s):** 202306977-IW

**CONTRACTOR(s):**

# 1 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

# 2 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

# 3 Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Date Contractor(s) received a copy  
of the license and approved plans: \_\_\_\_\_

EXPECTED DATE OF COMMENCEMENT OF WORK: \_\_\_\_\_

EXPECTED DATE OF COMPLETION OF WORK: \_\_\_\_\_

LICENSEE: \_\_\_\_\_  
(Signature) (Date)



## Compliance Certification Form

The following certification must be signed by the licensee working in consultation with a Connecticut-licensed design professional and must be submitted to the address indicated at the end of this form within ninety (90) days of completion of the authorized work.

1. Licensee Name: <u>Connecticut Department of Transportation</u>	
DEEP License Number(s): <u>202306977-IW</u>	
Municipality in which project is occurring: <u>Wallingford</u>	
2. <b>Check one:</b>	
(a) <input type="checkbox"/> "I certify that the final site conditions and / or structures are in general conformance with the approved site plans". Identify and describe any deviations and attach to this form.	
(b) <input type="checkbox"/> "The final site conditions and / or structures are not in general conformance with the approved site plans. The enclosed "as-built" plans note the modifications".	
3. "I understand that any false statement in this certification is punishable as a criminal offence under section 53a-157b of the General Statutes and under any other applicable law."	
_____ Signature of Licensee	_____ Date
_____ Name of Licensee (print or type)	
_____ Signature of CT-Licensed Design Professional	_____ Date
_____ Name of CT-Licensed Design Professional (print or type)	
_____ Professional License Number (if applicable)	Affix Stamp Here
<ul style="list-style-type: none"> <li>As-built plans shall include: elevations or tidal datums, as applicable, and structures, including any proposed elevation views and cross sections included in the approved license plans. Such as-built 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.</li> <li>The Licensee will be notified by staff of the Land and Water Resources Division (LWRD) if further compliance review is necessary. Lack of response by LWRD staff does not imply compliance.</li> </ul> <p>Submit this completed form to :  <a href="mailto:DEEP.LWRDRegulatory@ct.gov">DEEP.LWRDRegulatory@ct.gov</a> or  <b>Regulatory Section</b>  <b>Department of Energy and Environmental Protection</b>  <b>Land &amp; Water Resources Division</b>  <b>79 Elm Street</b>  <b>Hartford, CT 06106-5127</b></p>	