DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW ENGLAND DISTRICT
NEW ENGLAND DISTRICT OFFICE, REGULATORY DIVISION
696 VIRGINIA ROAD
CONCORD MD 017242-2751

October 26, 2026

Regulatory File No. NAE-2025-01960
Regulatory Division

Brian Ennis
City of Meriden
142 E Main Street
Meriden, CT 06450
Via email: bennis@meridenct.gov

Dear Brian Ennis,

The U.S. Army Corps of Engineers (Corps) has reviewed your request to replace the existing Bridge No. 04184 with a two-span continuous superstructure supported by reinforced concrete deep foundation elements to accommodate a wider roadway with two 12-foot lanes, 8-foot shoulders, and a 5-foot-11-inch median, as well as the installation of catch basins, a drainage pipe, and stabilization of disturbed channel embankments with riprap and natural streambed material in the Quinnipiac River located in Meridian, New Haven County, Connecticut. The project would result in temporary impacts to 1,141 square feet (SF) of nontidal wetlands and 1,608 SF of stream channel due to construction access and cofferdams to perform the work; and permanent impacts to 287 SF of nontidal wetland and 1,605 SF of stream channel for grading associated with bridge abutments, pipe installation and scour protection.

The proposed work is located in the Quinnipiac River, 201 River Road, Meriden, Connecticut at latitude 41.522482 ° and longitude -72.838457°. The proposed regulated activity(ies) associated with this project are detailed on the attached drawings titled “Environmental Permit Plans LOTCIP Project L079-0004 Replacement of Bridge No. 04184 Oregon Road over Quinnipiac River, City of Meriden, CT” on sheets 1-7 dated April 1, 2026, and are described below.

Project Description

- Permanent discharge of fill material impacting 287 SF of nontidal wetland for grading at the east bridge abutment and drainage pipe installation
- Permanent discharge of fill material impacting 1,605 SF of stream channel (Quinnipiac River) for grading associated with the restored bridge abutments
- Temporary discharge of fill material impacting 1,141 SF of nontidal wetland for placement of construction mats and access to cofferdams
- Temporary discharge of fill material impacting 1,608 SF of stream channel (Quinnipiac River) for installation of cofferdams

Based on the information provided, the Corps has verified that the proposed actions are authorized under Nationwide Permit (NWP) 14, Linear Transportation Projects pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C. § 1344).

You must ensure the proposed work is performed in accordance with the enclosed applicable terms and conditions.

You are also required to complete and return the enclosed Work-Start Notification and the enclosed Compliance Certification form within 30 days of completing your project. Please email the completed documents to the representative identified in the last paragraph of this letter.

A change in location or project plans may require re-evaluation of your project. Proposed changes should be coordinated with this office prior to construction. Failure to comply with all terms and conditions of these permits (NWP) invalidate this authorization and could result in a violation of Section 301 of the Clean Water Act or Section 10 of the Rivers and Harbors Act. You must also obtain all local, state, Tribal, and other Federal permits that apply to this project.

The State of Connecticut issued a conditioned WQC decision for NWP 14, Linear Transportation Projects. You must comply with the conditions specified in the WQC decision for this NWP authorization to be valid.

The verification is valid until March 15, 2031, unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work under the NWP has not been completed by that date and you have commenced or are under contract to commence this activity before March 15, 2031, you will have until March 15, 2032, to complete the activity under the enclosed terms and conditions of this NWP.

If you have any questions, please contact Meg Fullam at 443-310-4567, or by email at meghan.e.fullam@usace.army.mil.

In order to better serve you, please complete the Customer Service Survey located at: https://regulatory.ops.usace.army.mil/customer-service-survey/.

Sincerely,



Jon Coleman
Team Lead
Technical Regional Execution Center
North Atlantic Division

Enclosures:
Project Plans, Compliance Certification, Work Start Notification Form, and General/Regional NWP Conditions

cc (w/enclosures):
Ganesh Anandakumar, GM2 INC., GAnandakumar@GM2inc.com
Brian Ennis, City of Meriden, bennis@meridenct.gov

Work-Start Notification

File Number: NAE-2025-01960 **State: Connecticut** **County: South Central Connecticut Planning Region**

Permittee: City of Meriden, Brian Ennis
Date Verification Issued: October 26, 2026
Project Manager: Meg Fullam

At least two weeks prior to commencing the activity authorized by this permit, sign this certification and return it to the following address:

US ARMY CORPS OF ENGINEERS
New England District
Attn: Meg Fullam
696 Virginia Road
Concord, MD 017242-2751
or
meghan.e.fullam@usace.army.mil
443-310-4567

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers (USACE) representative. Failure to comply with any terms or conditions of this authorization may result in the USACE suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

The people (e.g. contractor) listed below will do the work, and they understand the permit's conditions and limitations.

Contractor Name/Contractor Firm: _____
Business Address: _____
_____
Contractor Phone and Email: _____

Proposed Construction Dates: Start: _____ Finish: _____

_____ **_____**
Signature of Permittee **Date**

U.S. Army Corps of Engineers (USACE)

CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT

For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.

Form Approved - OMB No. 0710-0003 Expires 2027-10-31

The Agency Disclosure Notice (ADN)

The Public reporting burden for this collection of information, 0710-0003, is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PURPOSE: This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions.

Your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, New England District, Regulatory Office.

The certification can be submitted by email at **meghan.e.fullam**@usace.army.mil or by mail at the below address:

U.S. Army Corps of Engineers
New England District Office
Street Address: 696 Virginia Road
City: Concord State: Massachusetts Zip Code: 01742-2751

COMPLETED BY THE CORPS

Corps Action Number:	NAE-2025-01960
Permit Type:	General Permit
General Permit Number and Name (*if applicable*):	Nationwide Permit (NWP) 14, Linear Transportation Projects
Name of Permittee:	Brian Ennis
Project Name:	Project L079-0004 Meriden, CT
Project Location (*physical address*):	201 River Road Meriden, Connecticut

PERMITTEE'S CERTIFICATION

Date Work Started: _____

Date Work Completed: _____

Enclose photographs showing the completed project (*if available*).

I _____ hereby certify that the work authorized by the above referenced permit has been completed in accordance with all of the permit terms and conditions, and that any required compensatory mitigation has been completed in accordance with the permit conditions.

Name	Date	Signature

The U.S. Army Corps of Engineers (Corps) New England District Regulatory Division issues the following Regional Conditions (RCs) to ensure that activities authorized by the 2026 Nationwide Permits (NWPs) in the New England states of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont will not cause more than minimal adverse environmental impacts, both individually and cumulatively. Before the New England District will verify an activity under one or more NWPs, the activity must be demonstrated to comply with the applicable NWP terms and all applicable NWP General Conditions (GCs) and RCs. Prior to commencement of a "non-notifying" activity (i.e., activities authorized by NWPs which do not require submission of a pre-construction notification [PCN]), the proponent (i.e., the person and/or the entity performing the work) is responsible for ensuring the activity meets all applicable:

- Terms of the NWP
- GCs
- RCs
- State Water Quality Certification, if applicable
- State Coastal Zone Consistency, if applicable

PCN Summary Table. The following activities may require a PCN regardless of the terms of the applicable NWP. Please read the applicable RCs to determine if a PCN is required.

Applicable to All New England States	
Exceedance of loss thresholds within streams, tidal/non-tidal wetlands, tidal submerged aquatic vegetation, mudflats, and intertidal areas	See RC A
Located within, or within the vicinity of a Federal Project	See RC B
Located within, or within the vicinity of a Wild and Scenic River	See RC C
Involving discharges of temporary fill material	See RC D
Involving slip lining	See RC E
Involving stream crossings	See RC F
Located within Essential Fish Habitat	See RC J
Applicable to Specific New England States	
Activities within Time-of-Year Restrictions	See RCs N, O, S, U, V, W
Located within the Saint John and Saint Croix River basins (Maine)	See RC P
Authorized by NWP 48, Commercial Shellfish Mariculture Activities and within the State of Maine > 5 acres	See RC Q
Located within Important or Rare Resources within the State of Maine	See RC R
Discharges of fill >10 cubic yards in Lake Champlain and Lake Memphremagog and/or their adjacent wetlands (Vermont)	See RC X

Regional Conditions

The following RCs apply to all applicable NWPs in **all New England States** (unless otherwise specified):

A. Additional PCN Requirement (Specific Resources): A PCN is required for any proposed activities that would result in the loss of waters of the U.S. that exceed the listed thresholds to the following aquatic resources if a PCN is not already required by the NWP.

Aquatic Resource	**Threshold**
Non-tidal Wetlands	4,356 square feet (1/10-acre)
Tidal and Non-Tidal Stream	200 linear feet or 3/100-acre (whichever is less)
Tidal Wetland	500 square feet
Tidal Submerged Aquatic Vegetation (SAV)	25 square feet
Mudflat	1,000 square feet
Intertidal	1,000 square feet

B. Additional PCN Requirement (Federal Projects): A PCN is required for any proposed activities that would involve the temporary or permanent occupation of, or alteration of, a federal project (including, but not limited to, a levee, dike, floodwall, channel, anchorage, breakwater, seawall, bulkhead, jetty, wharf, pier, or other work built or maintained but not necessarily owned by the United States). This includes all structures and work in, over, or under a Corps' federal navigation project (FNP) or in the FNP's buffer zone. The buffer zone is an area that extends from the horizontal limits of the FNP to a distance three times the FNP's authorized depth.

The activity may also require review and approval by the Corps pursuant to 33 USC 408 (Section 408 Permission). The applicant may reach out to the points of contact listed here: https://www.nae.usace.army.mil/Missions/Section-408/ and https://www.nan.usace.army.mil/Missions/Regulatory/Section-408/ (for activities located within the Lake Champlain watershed) and consult the National Channel Framework mapper: https://experience.arcgis.com/experience/b413139f18c046009ebcf62abea941dd/page/Map/. For activities which require a Section 408 permission, verification under an NWP will not be issued prior to the decision the Section 408 permission requires. Any structure or work constructed in an FNP, or its buffer zone shall be subject to removal at the owner's expense prior to any future Corps dredging or hydrographic surveys.

Applicants should contact the Corps Real Estate Division (https://www.nae.usace.army.mil/Missions/Real-Estate-Division/) at (978) 318-8585 for work that would occur on or would potentially affect a Corps property (or properties) and/or Corps-controlled easements. Work may not commence on Corps properties and/or Corps-controlled easements until they have received any required

Corps real estate documents demonstrating site-specific permission to perform work.

A PCN is not required if an applicant has previously obtained a Section 408 permission for their proposed activities, or a determination from the Corps that a Section 408 permission is not required for their proposed activities, and the proposed activities qualify for a non-notifying NWP.

C. Additional PCN Requirement (Wild and Scenic Rivers): A PCN is required under NWP GC 16, Wild and Scenic Rivers, and for: 1) any proposed activities that would be located in and within 1/4-mile up- or downstream of a Wild and Scenic River (WSR) segment, or in tributaries within 1/4-mile of a WSR segment; 2) any proposed activities that would be located in wetlands within 1/4-mile of a WSR segment; and 3) any proposed activities that have the potential to alter free-flowing characteristics in a WSR segment. Applicants should utilize http://www.rivers.gov/ for the most up-to-date WSR designations.

   Note: Applicants may coordinate with the Federal agency that has direct management responsibility of the WSR segment or tributary their proposed activity would be within 1/4-mile of prior to submitting a PCN to the Corps. This regional condition does not require a PCN to be submitted if that Federal agency determines that the proposed activity would not adversely affect the subject WSR.

D. Additional PCN Requirement (Temporary Fills): A PCN is required for any proposed activities that would involve the discharge of temporary fill (33 CFR 323.2(e) and (f)) greater than 1/10-acre to be left in place in non-tidal wetlands for more than one growing season. The growing season is generally defined as April 1 to September 30 (See the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* for more information about determining growing season. https://www.nae.usace.army.mil/Missions/Regulatory/Jurisdiction-and-Wetlands/Wetland-Delineation-Manual/).

   Note 1: The Corps will determine on a case-by-case basis, after evaluating site-specific and activity-specific circumstances whether temporary construction mats proposed for use are considered as temporary fill.

   Note 2: For linear projects, crossing a single waterbody more than one time at separate and distant locations, or multiple waterbodies at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization (33 CFR 330.2(i)). Therefore, each crossing of a water of the U.S., including wetlands could have up to 1/10-acre of temporary fill without requiring the submittal of a PCN. *Applicants should be aware that the definition of what constitutes a single and complete project per state regulations may differ from the Corps' definition. Applicants should consult with the state in order to determine state requirements. *

E. Additional PCN Requirement (Slip Lining): A PCN is required for any proposed activity that involves slip lining a stream crossing that is not currently meeting the stream crossing BMPs found in Regional Condition F (e.g., slip lining and invert-lining).

F. Additional PCN Requirement (Stream Crossing Standards): A PCN is required for any proposed stream crossing activities that cannot comply with the below "Stream Crossing Best Management Practices (BMPs)" unless the district engineer provides the applicant written verification removing the below requirements.

1. The width of the crossing shall be greater than or equal to 1.2 times the bank full width.
2. The crossing shall be embedded greater than or equal to 2 feet and/or at least 25 percent of the conveyance's height.
3. The crossing shall be constructed with a natural bottom substrate, as applicable.
4. The crossing shall match the gradient (i.e., slope) of the natural stream channel profile.
5. The crossing shall meet an openness ratio of greater than 0.82 feet.

Regardless of whether a proposed crossing can implement the above BMPs, the applicant should first coordinate with the appropriate state office to obtain required or recommended alternate stream crossing BMPs, prior to submitting a PCN to the Corps. If a stream crossing is designed to meet the standards required or recommended by the appropriate state agency for which the proposed activity is located within, those standards can serve in-lieu of these BMPs and submittal of a PCN is not required.

Note: Below are links to the stream crossing standards/guidelines for those New England states that have published such standards/guidelines. Applicants are highly encouraged to contact their state for additional information regarding those requirements and/or recommendations, as state requirements may be more stringent than the above listed BMPs.

Connecticut: CTDEEP Inland Fisheries Division Habitat Conservation and Enhancement Program's Stream Crossing Guidelines (https://portal.ct.gov/-/media/DEEP/fishing/restoration/StreamCrossingGuidelinespdf.pdf)

Maine: Maine Interagency Stream Crossing Guidelines: (https://www.nae.usace.army.mil/Missions/Regulatory/State-General-Permits/Maine-General-Permit/) and CoastWise (https://www.maine.gov/dmr/sites/maine.gov.dmr/files/inline-files/CoastWiseManualJuly2023_updated.pdf)

Massachusetts: Massachusetts River and Stream Crossing Standards as implemented through 314 CMR 9.06(2)(b).

(https://www.mass.gov/doc/massachusetts-river-and-stream-crossing-standards/download)

New Hampshire: New Hampshire RSA 482-A (https://www.gc.nh.gov/rsa/html/L/482-A/482-A-mrg.htm)

Rhode Island: Regardless of whether a proposed crossing can meet the above BMP's, all wetland and watercourse crossings in Rhode Island are evaluated on a site-by-site basis that account for on-site environmental characteristics by the state. For freshwater crossings, please contact them using the following link: https://dem.ri.gov/environmental-protection-bureau/customer-and-technical-assistance/pre-application-meetings. If a proposed crossing is within the coastal zone and under the jurisdiction of CRMC, please contact them using the following link: https://www.crmc.ri.gov/contact.html.

Vermont: *Vermont Stream Alteration Rule and General Permit* available at https://dec.vermont.gov/watershed/rivers/river-management#rules.

G. Aquaculture: Applicants proposing new aquaculture operations or modifications of existing aquaculture operations are required to coordinate with the appropriate U.S. Coast Guard (USCG) Sector for siting review, Navigation Risk Assessment (NRA), and navigation risk mitigation needs.

1. Coordination with the USCG can be completed by contacting via email:

   Sector Northern New England: (Maine, New Hampshire, Vermont, and Northeastern New York, Lake Champlain) D01-SMB-SecNNE-Waterways@uscg.mil

   Sector Boston: (New Hampshire border southward to Plymouth, Massachusetts) D01-SMB-SECBOSWaterways@uscg.mil

   Sector Southeastern New England: (Rhode Island and Southeastern Massachusetts, Cape Cod, and Islands) SENEWWM@uscg.mil

   Sector Long Island Sound: (New York to Connecticut border at Port Chester, Connecticut to Rhode Island border at Watch Hill) SECLISSPWMarineEvent@uscg.mil

   Sector New York: (Sandy Hook, New Jersey north through Port of New York/New Jersey, Hudson River to Whitehall, NY (south of Lake Champlain) D01-SMB-SecNY-Waterways@uscg.mil

   The applicant shall provide the following information to facilitate completion of the NRA: applicant name/company affiliation, license/lease type (commercial, research, shellfish, kelp, new or modified), nautical chart, detailed drawing with

dimensions, time of year, potential lighting/marking, types/materials of structures in water, planned anchoring, cultivation techniques (number of weekly/monthly visits, vessel tending/type), and any other significant information.

If the applicant receives a medium or high-risk assessment, they shall coordinate with the Corps and apply safety risk mitigations. The USCG will refer the project to the Corps unless the Corps makes the determination that it may proceed.

Any safety lights and signals prescribed by the USCG, through regulations or otherwise, must be installed and maintained at the permittee's expense. For required permitting, the applicant shall contact USCG First District Private Aid Program Manager through D01-SMB-D01PrivateAtoN@uscg.mil. Only actual AtoNs are permitted; floats, balls, markers, mooring balls and 'highflier flags' are not considered Aids to Navigation (AtoN). See: http://www.usharbormaster.com.

Applicants shall notify NOAA's National Ocean Service (NOS) Nautical Data Branch Office of Coast Survey to initiate chart and Coast Pilot corrections. See: https://nauticalcharts.noaa.gov/. Applicants must also notify NOAA on removal. See Note 2.

2. For marine safety information during construction or other significant periods, applicants may use the First District's Marine Safety Information form and email to: D01-SMB-LNM@uscg.mil.

Note 1: If a PCN is required, applicants shall include documentation of all required coordination with their PCN.

Note 2: For nautical chart and coast pilot updates, activities owners should use the status report form at https://nauticalcharts.noaa.gov/charts/docs/charts-updates/USACE+Permit+Status+Report.pdf. For aquaculture activities owners should use: https://nauticalcharts.noaa.gov/charts/docs/charts-updates/Artificial+Reef+Aquaculture+Status+Report.pdf to notify the Office of Coast Survey of the project completion. The form should be emailed to ocs.ndb@noaa.gov and should include a copy of as-built drawings.

H. Hydrology: Permanent wetland crossings shall be constructed in such a manner as to prevent excessive ponding or drying on either side of the authorized crossing after completion of the work. Measures shall be taken to maintain the existing hydrology. Such measures may include road cross drains such as culverts that are appropriately sized and placed at intervals to maintain the existing hydrology of the contiguous wetland.

I. Compensatory Mitigation: In addition to the requirements of NWP GC 23, Mitigation, compensatory mitigation requirements for unavoidable impacts to waters of the U.S. will be evaluated in accordance with the latest version of the *New England District Compensatory Mitigation Standard Operating Procedures* (https://www.nae.usace.army.mil/Missions/Regulatory/Mitigation/).

J. Essential Fish Habitat: Essential Fish Habitat (EFH) is defined as those waters and substrates necessary to fish for spawning, breeding, feeding or growth to maturity (16 U.S.C. 1802).

The following NWPs have been determined to result in no more than minimal adverse effects, provided the permittee complies with all terms and conditions of the NWP as applicable to the activity, including all activity thresholds and activity-specific Conservation Recommendations (CRs) identified in the current EFH and Fish and Wildlife Coordination Act (FWCA) Programmatic Consultation (https://www.nae.usace.army.mil/Missions/Regulatory/Essential-Fish-Habitat/). The National Marine Fisheries Service (NMFS) has granted General Concurrence (50 CFR 600.920(g)) for the below listed NWPs, and these activities do not require activity-specific EFH consultation.

Nationwide Permit	Authorized Activities with General Concurrence
NWPs: 1, 4, 5, 6, 9, 10, 11, 15, 16, 19, 20, 27, 28, 32, 35, & 41	All authorized activities
NWP 3	Parts (a) and (c) (i.e., non-notifying)
NWP 12	Section 404 only activities that do not result in the loss of greater than 1/10-acre and is not a new pipeline greater than 250 miles (i.e., non-notifying)
NWP 13	Activities less than 500 linear feet in length with a discharge of less than one (1) cubic yard per running foot below the ordinary high water mark or high tide line, and no discharges into special aquatic sites (i.e., non-notifying)
NWP 14	Activities less than 1/10-acre with no discharges into special aquatic sites (i.e., non-notifying)
NWP 18	Activities that discharge less than ten (10) cubic yards of fill material below the plane of the ordinary high water mark or high tide line with no discharges into special aquatic sites (i.e., non-notifying)
NWP 22	Activities associated with vessels that are not listed or eligible for listing on the National Register of Historic Places and not located within special aquatic sites (i.e., non-notifying)
NWP 23	Activities not identified as notifying within Regulatory Guidance Letter 05-07 (i.e., non-notifying)
NWP 33	Section 404 only activities (i.e., non-notifying)
NWP 36	Activities that discharge less than 50 cubic yards of fill material and are less than 20 feet wide (i.e., non-notifying)

NWP 43	Activities that do not involve the expansion or construction of a new stormwater management facility (i.e., non-notifying)
NWP 48	Activities that are not the installation of a new operation and do not directly affect greater than 1/2-acre of submerged aquatic vegetation (i.e., non-notifying)
NWPs: 51 & 60	Activities that do not result in the loss of greater than 1/10-acre (i.e., non-notifying)
NWP 54	Maintenance activities (i.e., non-notifying)
NWPs: 57 & 58	Section 404 only activities that do not result in the loss of greater than 1/10-acre (i.e., non-notifying)

For non-federal applicants whose proposed activities would be located within EFH and that do not require a PCN per the language of the NWP or per any other general or regional condition (i.e., non-notifying), the applicant shall review the current EFH and FWCA Programmatic Consultation (https://www.nae.usace.army.mil/Missions/Regulatory/Essential-Fish-Habitat/) to ensure their proposed activity complies with all applicable CRs.

1. A PCN is required for any proposed project that would exceed the activity thresholds that are included within the current EFH and FWCA Programmatic Consultation. Any proposed project that exceeds an activity threshold requires preliminary coordination/project-specific consultation.

2. For all activities that do not exceed the activity-based thresholds included within the current EFH and FWCA Programmatic Consultation, the project proponent shall implement the activity-specific applicable CRs. If the applicable CRs cannot be implemented, a PCN must be submitted to the Corps, and work may not commence until the Corps verifies the project under the applicable NWP(s).

Federal applicants should follow their own procedures for compliance with the Magnuson-Stevens Fishery Conservation and Management Act and Fish and Wildlife Coordination Act.

Note 1: For activities proposed for authorization by an NWP that requires the submittal of a PCN, applicants are encouraged to review the current EFH and FWCA Programmatic Consultation and design their proposed activities with the activity-based thresholds and incorporate applicable CRs.

Note 2: Applicants can utilize the NMFS EFH mapper to determine if their proposed activities are located within EFH: https://www.habitat.noaa.gov/apps/efhmapper/. Applicants can also utilize the current EFH and FWCA Programmatic Consultation (https://www.nae.usace.army.mil/Missions/Regulatory/Essential-Fish-Habitat/) for guidance on non-tidal waterbodies with diadromous fish.

K. Invasive Species: The introduction, spread, or the increased risk of invasion of invasive plant or animal species on the project site, into new or disturbed areas, or into areas adjacent to the project site caused by the site work shall be avoided. Native, non-invasive vegetation must be used unless otherwise authorized by the Corps, and shall not contain any species listed in Appendix K ("Invasive and Other Unacceptable Plant Species") of the current *New England District Compensatory Mitigation Standard Operating Procedures* located at: https://www.nae.usace.army.mil/Missions/Regulatory/Mitigation/. Equipment shall be thoroughly cleaned before and after project construction to prevent the spread of invasive species. This includes, but is not limited to, tire treads and construction mats. Information about how to avoid the spread of invasive species can be found at: https://www.nae.usace.army.mil/Missions/Regulatory/Invasive-Species.

L. NWP Documentation On-Site: The permittee shall ensure that a copy of their verification letter (for notifying NWPs only) and applicable NWP with all applicable GCs and RCs are at the worksite whenever work is being performed, and that all personnel performing work are fully aware of its terms and conditions.

M. Abandonment: If the permittee decides to abandon the activity authorized by an NWP, unless such abandonment is merely the transfer of property to another party, the permittee may be required to restore the area to the satisfaction of the Corps.

State-Specific Regional Conditions

The following RCs apply to all applicable NWPs in the **State of Connecticut**:

N. Additional PCN Requirement and Time-of-Year Windows/Restrictions: A PCN is required for any proposed activity located in rivers/streams that deviates from the following time-of-year (TOY) work windows (i.e., work is allowed to occur), unless the State of Connecticut Department of Energy and Environmental Protection (CTDEEP) provides alternate TOY restrictions.

	TOY Work Restriction	**TOY Work Window**
Unconfined Work	April 1 to June 30	July 1 to September 30
Installation and Removal of Controls in Non-Tidal Streams	----	July 1 to March 31*

*Controls must not encroach greater than 25 percent of the stream width measured from OHW during the prohibited work window.

For proposed activities that would be sited within Atlantic sturgeon critical habitat and/or anadromous waters but cannot follow the TOY windows/restrictions listed above, the applicant should first coordinate with CTDEEP to obtain alternate TOY windows and/or restrictions for their proposed activities as well as any other activities conditions required or recommended by the state, prior to submitting a PCN to the Corps. For activities that require PCN submittal, in order to avoid delays

in review, the applicant should include documentation of this coordination and CTDEEP's required or recommended conditions with the submittal of their PCN to the Corps.

Any proposed activity located in waters of the U.S. (excluding wetlands) shall be completed entirely "in-the-dry" or be isolated from active flows/the water column using temporary measures (i.e., cofferdams, sandbags, flume pipes, etc.) to the maximum extent practicable. The term "in-the-dry" means work that is done under dry conditions, e.g., work behind cofferdams or when the stream or tide is waterward of the work.

The following RCs apply to all applicable NWPs in the **State of Maine**:

O. Regional Condition O is reserved for the State of Maine.
P. Regional Condition P is reserved for the State of Maine.
Q. Regional Condition Q is reserved for the State of Maine.
R. Regional Condition R is reserved for the State of Maine.

The following RCs apply to all applicable NWPs in the **Commonwealth of Massachusetts**:

S. Regional Condition S is reserved for the Commonwealth of Massachusetts.
T. Regional Condition T is reserved for the Commonwealth of Massachusetts.

The following RCs apply to all applicable NWPs in the **State of New Hampshire**:

U. Regional Condition U is reserved for the State of New Hampshire.

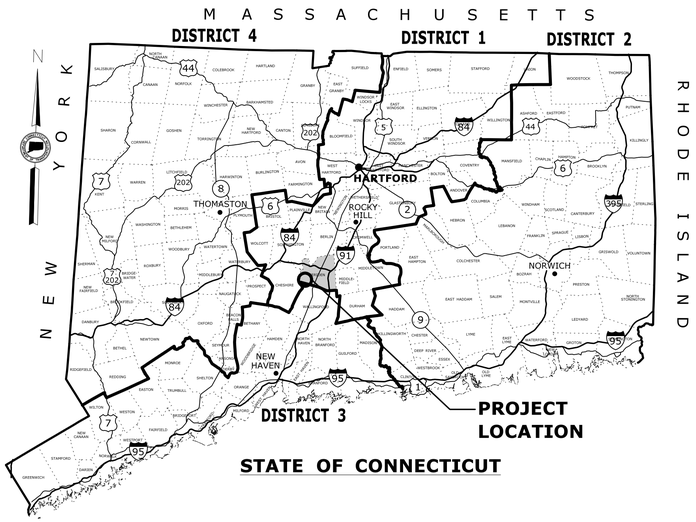
The following Regional Conditions apply to all applicable NWPs in the **State of Rhode Island**:

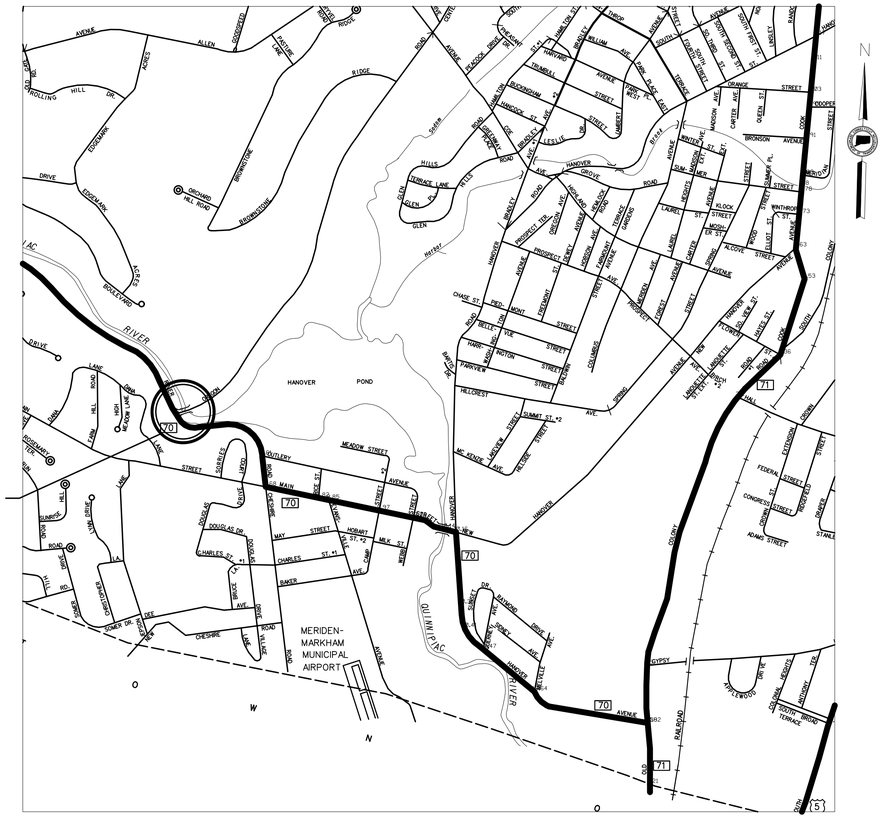
V. Regional Condition V is reserved for the State of Rhode Island.

The following Regional Conditions apply to all applicable NWPs in the **State of Vermont**:

W. Regional Condition W is reserved for the State of Vermont.
X. Regional Condition X is reserved for the State of Vermont.

ENVIRONMENTAL PERMIT PLANS
LOTCIP PROJECT L079-0004
REPLACEMENT OF BRIDGE NO. 04184
OREGON ROAD OVER QUNNIPIAC RIVER
CITY OF MERIDEN, CT





LOCATION PLAN
SCALE: 1" = 1000'

GENERAL NOTES:

1. THESE PLANS ARE NOT FOR CONSTRUCTION AND ARE INTENDED ONLY FOR ENVIRONMENTAL PLANNING PURPOSES. THESE PLANS HOLD AUTHORITY FOR ALL ACTIVITIES CONCERNING THE REGULATED AREA. FOR DETAILED PLANIMERIC INFORMATION AND PAYMENT, REFER TO THE APPLICABLE CONTRACT DOCUMENTS.
2. THE CITY OF MERIDEN WILL ONLY SUBMIT REVISIONS TO USACE FOR CHANGES TO THE DESIGN THAT WILL AFFECT REGULATED AREAS.
3. FOR A DESCRIPTION OF THE WATERCOURSES, WETLANDS AND WETLANDS SOILS, SEE RELEVANT SECTIONS OF THE PERMIT APPLICATION.
4. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983, VERTICAL DATUM IS BASED ON N.A.V.D. 1988.
5. ALL CONSTRUCTION ACTIVITIES WILL BE CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES, AND INCIDENTAL CONSTRUCTION, FORM 819, SECTION 1.10 AND WILL ALSO FOLLOW REQUIRED BEST MANAGEMENT PRACTICES (BMPs) AND SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH THE DEEP CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL AND THE DEEP CONNECTICUT STORMWATER QUALITY MANUAL

LIST OF DRAWINGS

DWG. NO.	DRAWING TITLE
PMT-01	TITLE SHEET
PMT-02	GENERAL SITE PLAN
PMT-03	WETLAND/WATERCOURSE IMPACT PLAN
PMT-04	100-YEAR FLOOD IMPACT PLAN
PMT-05	GENERAL BRIDGE PLAN
PMT-06	WATER HANDLING PLAN
PMT-07	INVASIVE SPECIES CONTROL PLAN

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: APRIL 1, 2026

REV. | DATE | REVISION DESCRIPTION

SIGNATURE BLOCK:
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

DESIGNER/DRAFTER: PBR | CHECKED BY:

SCALE AS NOTED

PROJECT TITLE: **REPLACEMENT OF BRIDGE NO. 04184 CARRYING OREGON ROAD OVER QUINNIPIAC RIVER**

TOWN(S): **CITY OF MERIDEN**

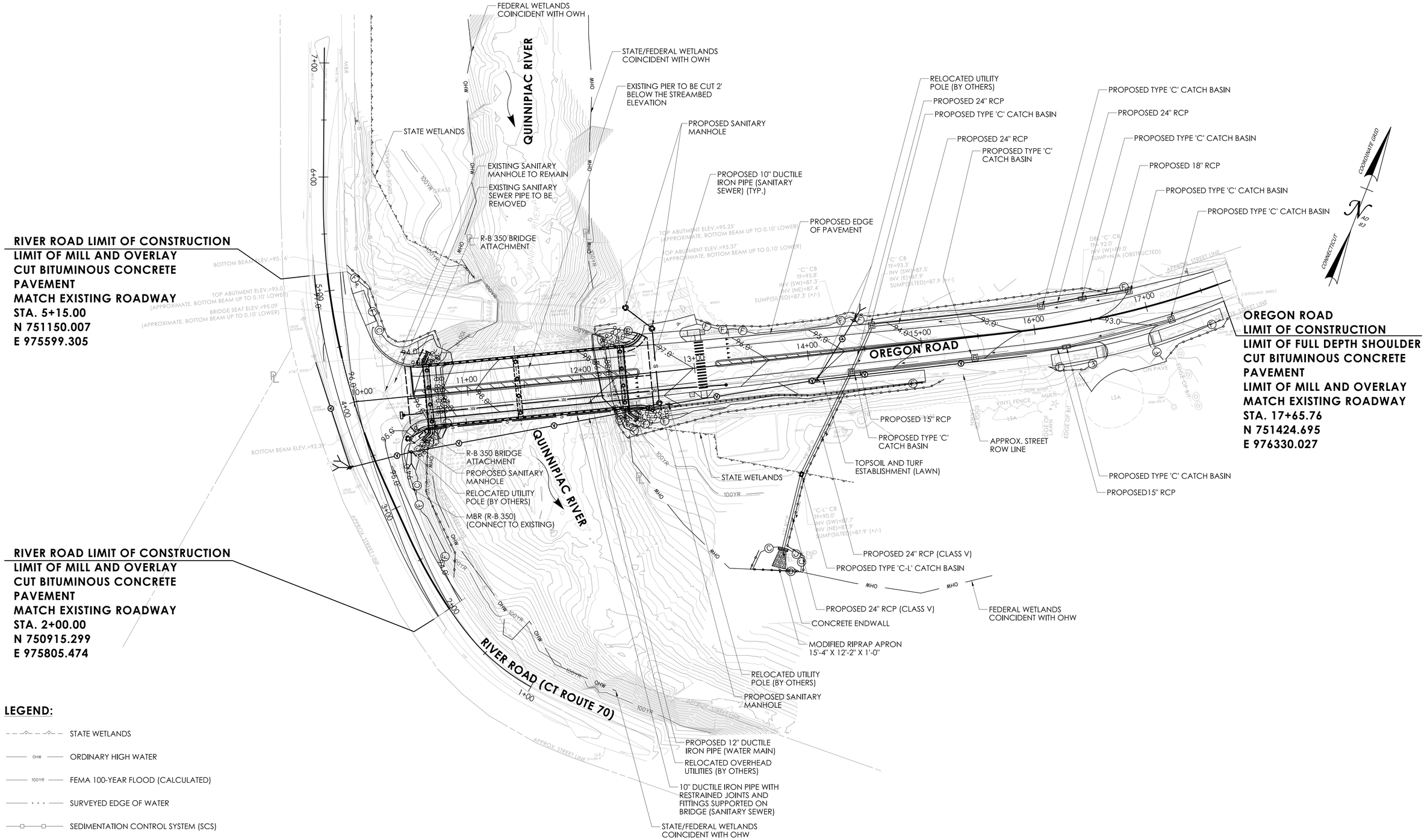
DRAWING TITLE: **TITLE SHEET**

PROJECT NO.: **L079-0004**

DRAWING NO.: **PMT-01**

SHEET NO.:

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PLOTTED DATE: 4/1/2026



LEGEND:

- STATE WETLANDS
- OHW — ORDINARY HIGH WATER
- 100YR — FEMA 100-YEAR FLOOD (CALCULATED)
- SURVEYED EDGE OF WATER
- SEDIMENTATION CONTROL SYSTEM (SCS)
- 18" INTERMEDIATE RIPRAP TOPPED WITH 12" NATURAL STREAMBED MATERIAL
- 12" MODIFIED RIPRAP OVER 6" GRANULAR FILL

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: APRIL 1, 2026

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033
DESIGNER/DRAFTER: PBR CHECKED BY:

0 40 80
HORIZONTAL SCALE
1" = 40'

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 04184 CARRYING OREGON ROAD OVER QUINNIPIAC RIVER

TOWN(S):
CITY OF MERIDEN

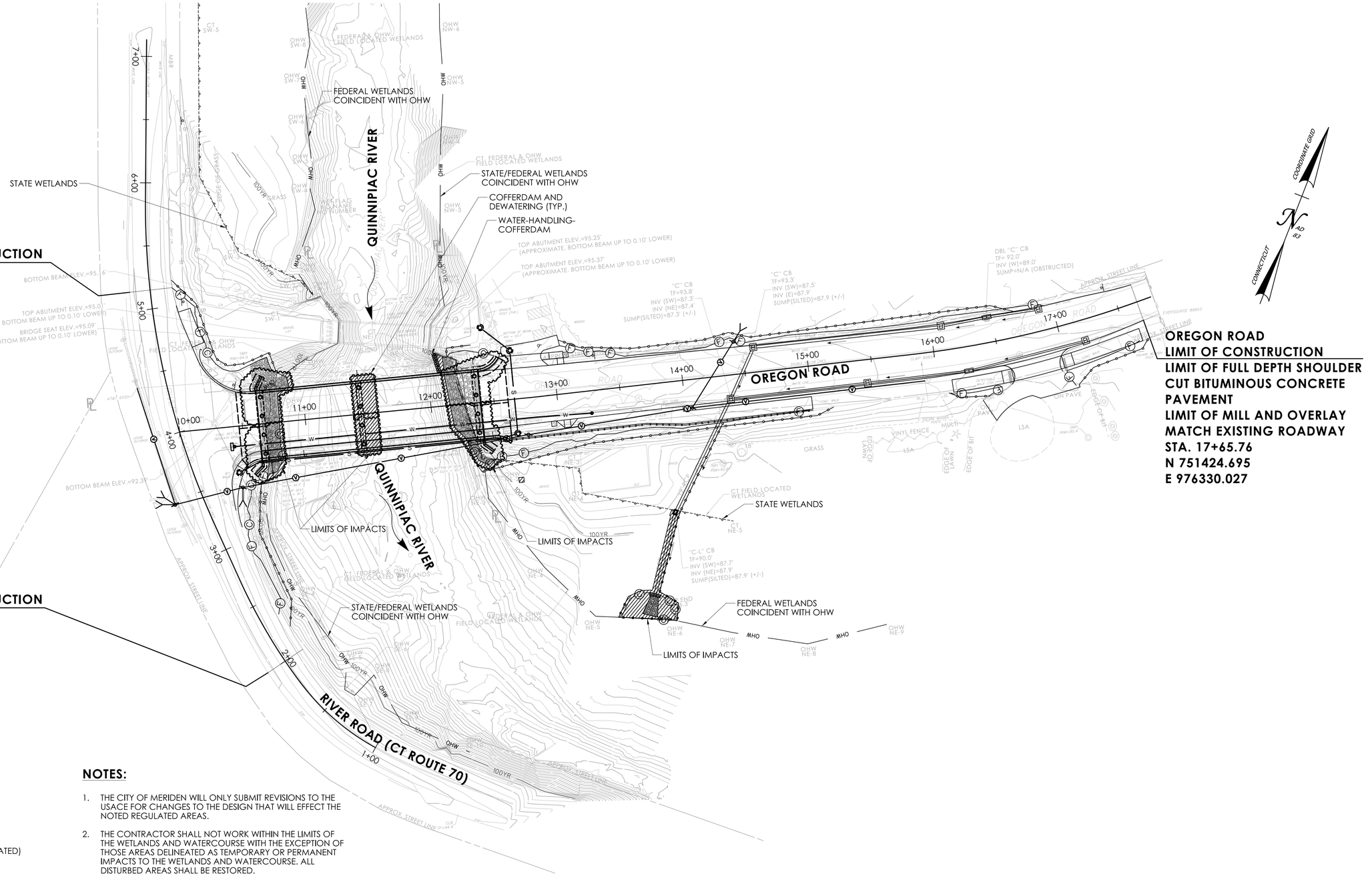
DRAWING TITLE:
GENERAL SITE PLAN

PROJECT NO.: **L079-0004**

DRAWING NO.: **PMT-02**

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PLOTTED DATE: 4/1/2026



LEGEND:

- STATE WETLANDS
- OHW — ORDINARY HIGH WATER
- 100YR — FEMA 100-YEAR FLOOD (CALCULATED)
- SURVEYED EDGE OF WATER
- SEDIMENTATION CONTROL SYSTEM (SCS)
- PERMANENT WETLAND/WATERCOURSE IMPACTS
- TEMPORARY WETLAND/WATERCOURSE IMPACTS

NOTES:

1. THE CITY OF MERIDEN WILL ONLY SUBMIT REVISIONS TO THE USACE FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.
2. 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.

WETLAND/WATERCOURSE IMPACT TABLE

	WETLAND IMPACTS	WATERCOURSE IMPACTS	TOTAL
PERMANENT IMPACTS	286 S.F. (0.007 AC.)	1605 S.F. (0.037 AC.)	1891 S.F. (0.044 AC.)
TEMPORARY IMPACTS	1141 S.F. (0.027 AC.)	1609 S.F. (0.037 AC.)	2750 S.F. (0.064 AC.)
TOTAL IMPACTS	1427 S.F. (0.034 AC.)	3214 S.F. (0.074 AC.)	4641 S.F. (0.108 AC.)

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: APRIL 1, 2026

REV. | DATE | REVISION DESCRIPTION

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GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033
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0 40 80
HORIZONTAL SCALE
1" = 40'

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 04184 CARRYING OREGON ROAD OVER QUINNIPIAC RIVER

TOWN(S):
CITY OF MERIDEN

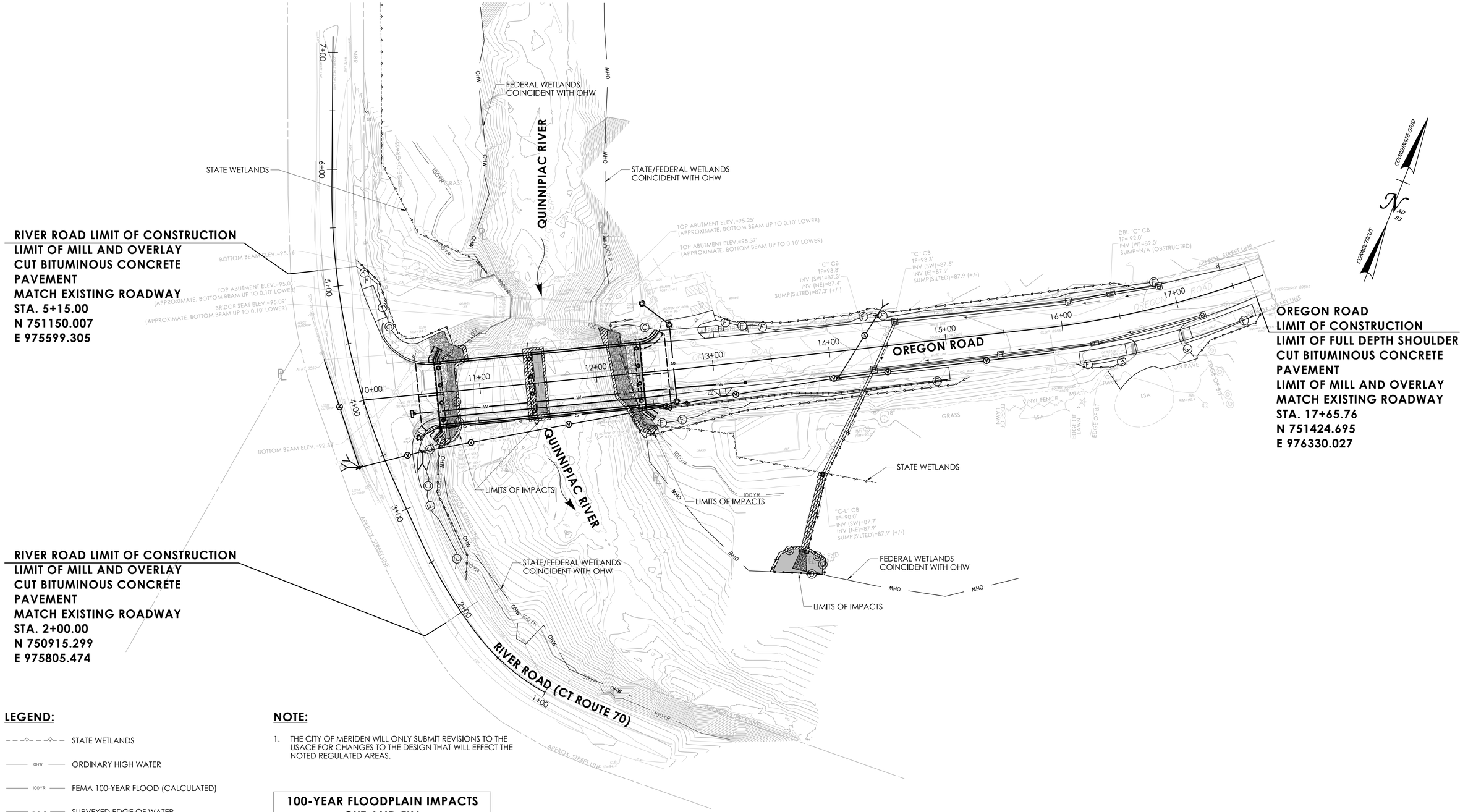
DRAWING TITLE:
WETLAND/WATERCOURSE IMPACT PLAN

PROJECT NO.: **L079-0004**

DRAWING NO.: **PMT-03**

SHEET NO.:

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PLOTTED DATE: 4/1/2026



LEGEND:

- STATE WETLANDS
- OHW — ORDINARY HIGH WATER
- 100YR — FEMA 100-YEAR FLOOD (CALCULATED)
- SURVEYED EDGE OF WATER
- SEDIMENTATION CONTROL SYSTEM (SCS)
- PERMANENT IMPACTS
- TEMPORARY IMPACTS

NOTE:

1. THE CITY OF MERIDEN WILL ONLY SUBMIT REVISIONS TO THE USACE FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

100-YEAR FLOODPLAIN IMPACTS CUT AND FILL	
EXCAVATION IN FEMA FLOODPLAIN	**FILL IN FEMA FLOODPLAIN**
233 C.Y.	28 C.Y.

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: APRIL 1, 2026

REVISION DESCRIPTION | DATE | REV

SIGNATURE BLOCK: GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06033
DESIGNER/DRAFTER: PBR CHECKED BY:

0 40 80
HORIZONTAL SCALE 1" = 40'

PROJECT TITLE: **REPLACEMENT OF BRIDGE NO. 04184 CARRYING OREGON ROAD OVER QUINNIPIAC RIVER**

TOWN(S): **CITY OF MERIDEN**

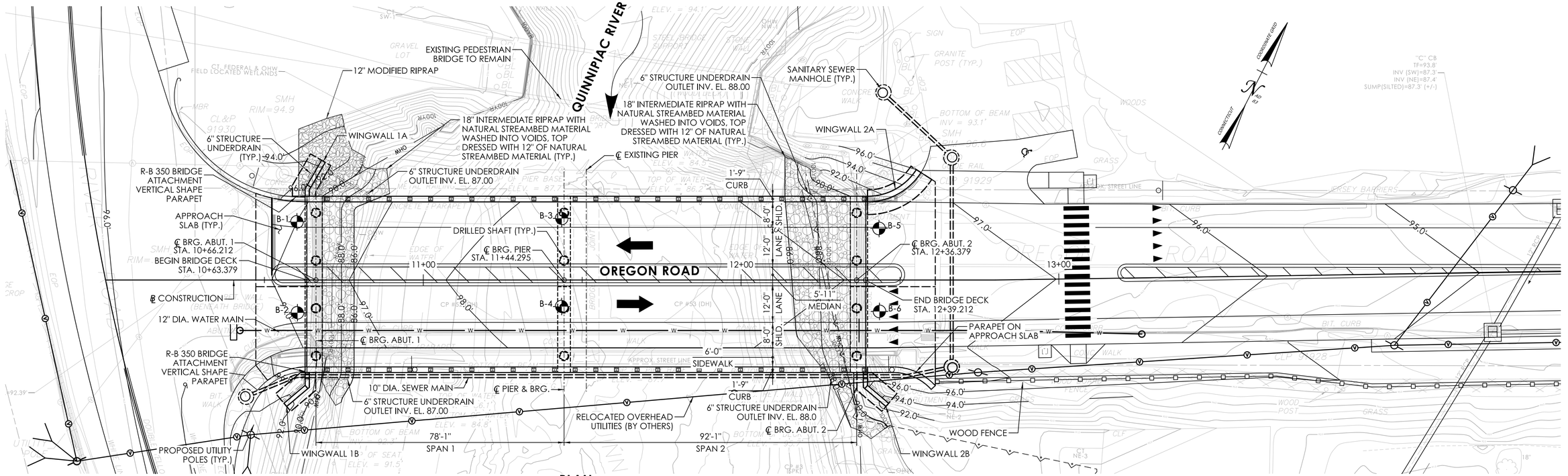
DRAWING TITLE: **100-YEAR FLOOD IMPACT PLAN**

PROJECT NO.: **L079-0004**

DRAWING NO.: **PMT-04**

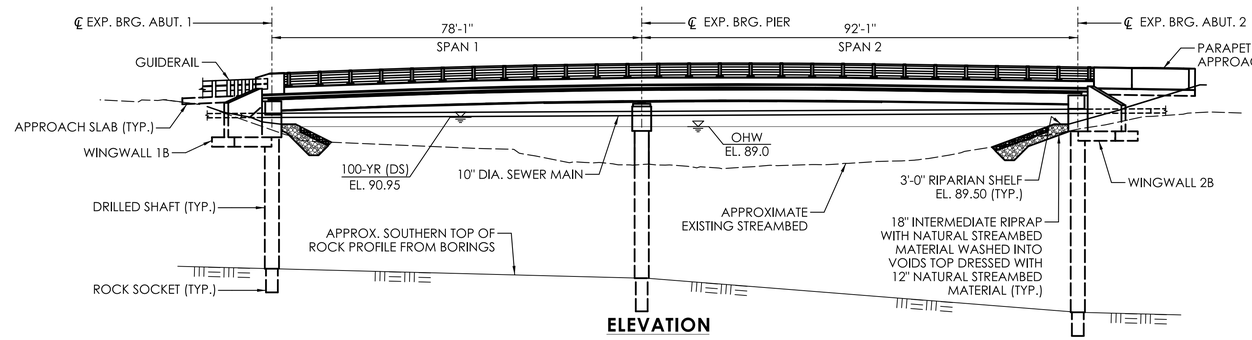
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PLOTTED DATE: 4/1/2026

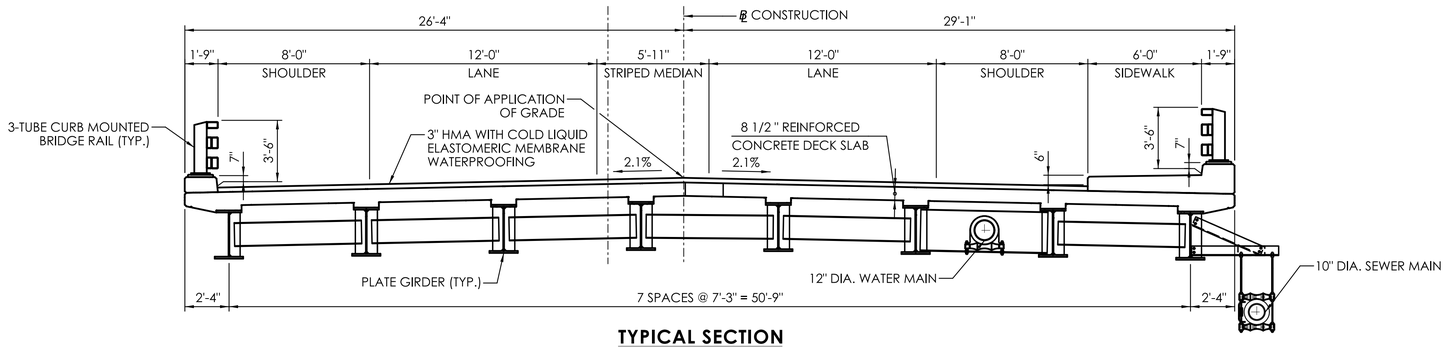


DENOTES SOIL BORING LOCATIONS

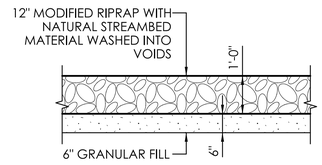
PLAN
SCALE 1/16"=1'-0"



ELEVATION
SCALE 1/16"=1'-0"

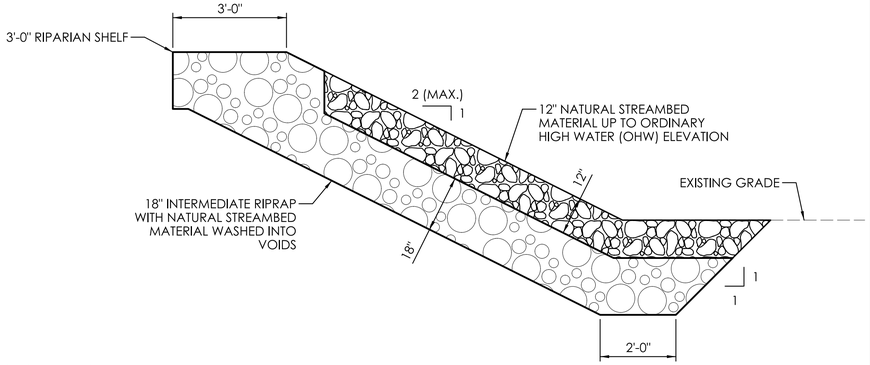


TYPICAL SECTION
SCALE 1/4"=1'-0"



MODIFIED RIPRAP DETAIL
SCALE 1/2"=1'-0"

HYDRAULIC DATA	
DRAINAGE AREA	77.1 SQ. MI.
DESIGN FREQUENCY	100-YR
DESIGN DISCHARGE	6150 CFS
AVERAGE DAILY FLOW ELEVATION (ESTIMATED)	86.71 FT
UPSTREAM DESIGN WATER SURFACE ELEVATION	90.90 FT
DOWNSTREAM DESIGN WATER SURFACE ELEVATION	90.95 FT
MAXIMUM SCOUR ELEVATION	72.2 FT NAVD '88
FREQUENCY	500-YR EVENT
DISCHARGE	8436 CFS
WORST CASE SCOUR SUBSTRUCTURE UNIT	PIER



INTERMEDIATE RIPRAP DETAIL
SCALE 1/2"=1'-0"

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: APRIL 1, 2026

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033
DESIGNER/DRAFTER: PBR CHECKED BY: GA

SCALE AS NOTED

PROJECT TITLE: **REPLACEMENT OF BRIDGE NO. 04184 CARRYING OREGON ROAD OVER QUINNIPIAC RIVER**

TOWN(S): **CITY OF MERIDEN**

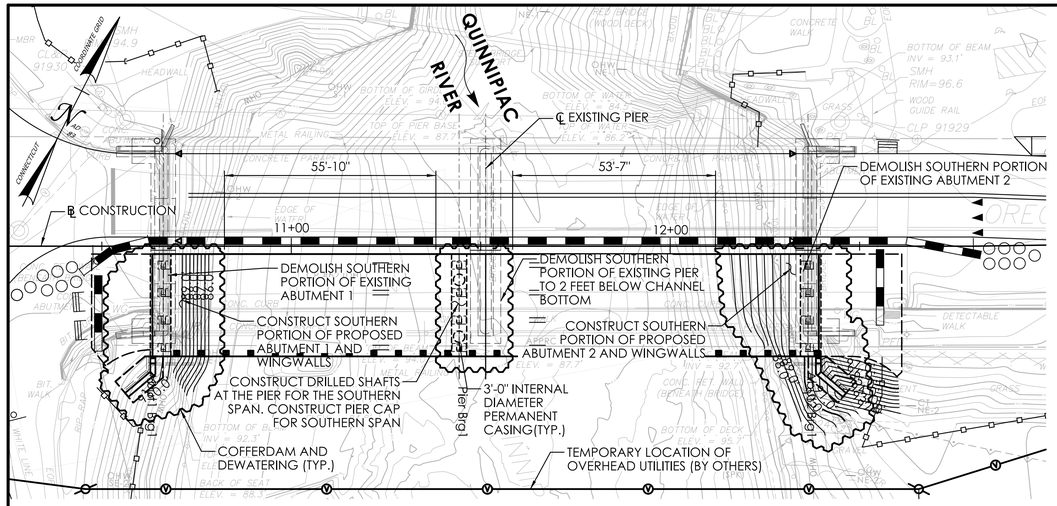
DRAWING TITLE: **GENERAL BRIDGE PLAN**

PROJECT NO.: **L079-0004**

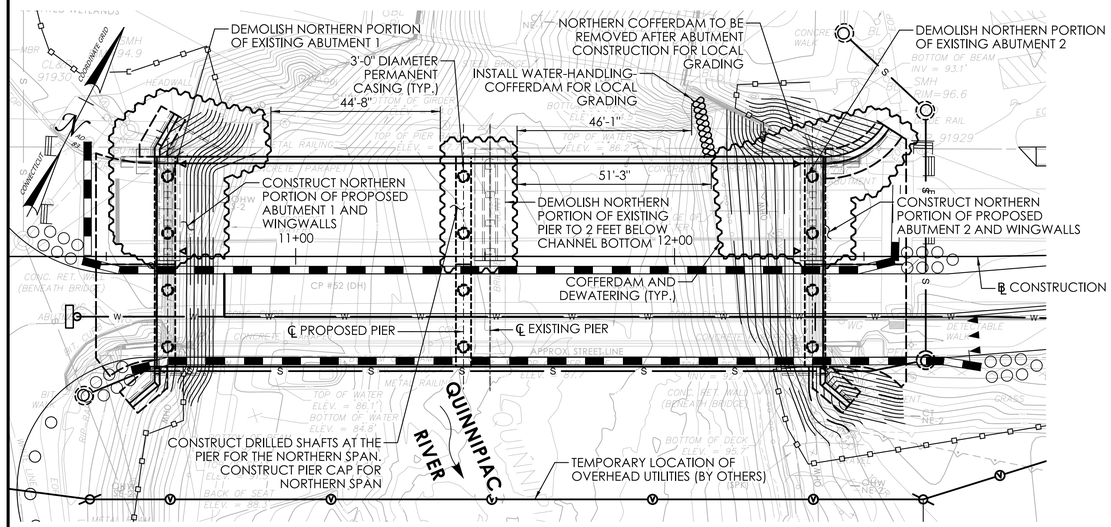
DRAWING NO.: **PMT-05**

SHEET NO.:

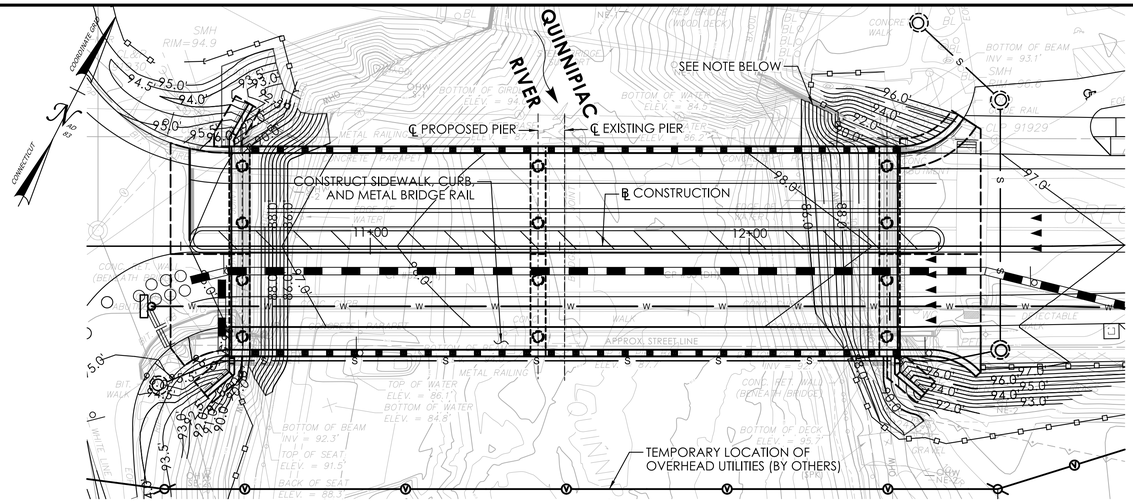
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PLOTTED DATE: 4/1/2026



STAGE 1
SCALE: 1" = 20'-0"



STAGE 2
SCALE: 1" = 20'-0"



STAGE 3
SCALE: 1" = 20'-0"

NOTE:
THE EXISTING BOTTOM OF WALL ELEVATION FOR THE RED BRIDGE IS UNKNOWN. THE CONTRACTOR SHALL ENSURE THE RED BRIDGE WALL IS STABLE AND NOT UNDERMINED DURING EXCAVATION FOR THE RIPRAP. TEST PITS MAY NEED TO BE PERFORMED BEHIND THE WALL TO IDENTIFY THE BOTTOM OF THE WALL.

WATER HANDLING NOTES

1. THE SUGGESTED METHOD OF CONTROLLING WATER DURING CONSTRUCTION CONSISTS OF TEMPORARY WATER-HANDLING-COFFERDAMS AND "COFFERDAM AND DEWATERING" AS SHOWN ON THIS DRAWING.
2. THIS SUGGESTED WATER HANDLING SCHEME IS FOR THE CONSTRUCTION OF PROPOSED ABUTMENTS, PIER, WINGWALLS, AND THE PROPOSED RIPRAP IN FRONT OF ABUTMENTS. THE INSTALLATION OF TEMPORARY WATER-HANDLING-COFFERDAM TO HANDLE WATER FOR ANY OTHER CONSTRUCTION ACTIVITIES IS NOT PERMITTED.
3. THE ELEVATION OF THE TOP OF COFFERDAM WITHIN THE OHW SHALL BE 89.5' (MIN.). ALL OTHER TOP ELEVATIONS OF COFFERDAM SHALL BE 1FT HIGHER THAN RETAINED EARTH ELEVATION.
4. SUBSTANTIAL DEWATERING EFFORT MAY BE NEEDED DEPENDING ON THE CONTRACTOR'S CHOSEN METHOD FOR PIER REMOVAL.
5. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW THE PROPOSED PLAN FOR WATER HANDLING AND METHODS OF CONSTRUCTION AND REMOVAL OF SUBSTRUCTURE.
6. NO WORK SHALL BEGIN UNTIL ALL APPROVALS HAVE BEEN OBTAINED FROM THE ENGINEER.

TIME-OF-YEAR BMP NOTES:

1. ALL UNCONFINED IN-WATER WORK SHOULD BE RESTRICTED TO THE PERIOD FROM JULY 1 TO SEPTEMBER 30, INCLUSIVE. DURING THIS PERIOD, IT IS ALSO IMPORTANT THAT THE STREAM CHANNEL REMAINS OPEN AND PASSABLE TO FISH.
2. MANY SPECIES OF DIADROMOUS FISH MIGRATE AT NIGHT AND BRIGHT ARTIFICIAL LIGHTS MAY INTERFERE WITH THEIR MIGRATION. DURING THE SPRING MIGRATION PERIOD FROM APRIL 1 TO JUNE 30, ARTIFICIAL LIGHTING FOR CONSTRUCTION RELATED ACTIVITIES SHOULD NOT BE DIRECTED ON TO THE WATER SURFACE.
3. LOUD CONSTRUCTION ACTIVITIES LIKE JACK HAMMERING MAY ALSO INTERFERE WITH FISH MIGRATIONS AND SHOULD BE PROHIBITED FROM SUNSET TO SUNRISE FROM APRIL 1 TO JUNE 30, INCLUSIVE. LOUD CONSTRUCTION NOISES ARE DEFINED AS THOSE EXCEEDING 90 DECIBELS, AS MEASURED ABOVE THE WATER'S SURFACE AT THE POINT CLOSEST TO THE SOURCE OF THE NOISE.
4. FORMAL PARKING AND FISHING ACCESS SHOULD BE MAINTAINED. IF CONSTRUCTION WILL IMPEDE RECREATIONAL ACCESS OR ACCESS FOR STOCKING, PLEASE COORDINATE WITH FISHERIES.

SUGGESTED SEQUENCE OF CONSTRUCTION:

THE FOLLOWING IS A SUGGESTED SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT THEIR SEQUENCE OF CONSTRUCTION TO THE ENGINEER FOR APPROVAL PRIOR TO START OF WORK.

PRE-STAGE

1. RELOCATE EXISTING OVERHEAD UTILITIES (BY OTHERS).
2. INSTALL SEDIMENTATION CONTROL SYSTEM (SCS) AND EXCLUSIONARY FENCING.
3. CONDUCT WOOD TURTLE AND EASTERN BOX TURTLE SWEEP OF SITE BY HERPETOLOGIST.
4. INSTALL DEBRIS SHIELD.

STAGE 1

1. INSTALL MAINTENANCE AND PROTECTION OF TRAFFIC ON OREGON ROAD FOR STAGE 1.
2. RELOCATE OREGON ROAD TRAFFIC ONTO NORTHERN PORTION OF THE EXISTING BRIDGE.
3. TEMPORARILY CUT AND CAP 12" DIAMETER WATER MAIN AT NORTHEAST APPROACH.
4. DEMOLISH SPAN 1 OF SOUTHERN PORTION OF SUPERSTRUCTURE OF THE EXISTING BRIDGE.
5. INSTALL DRILLED SHAFTS AT THE PIER.
6. DEMOLISH SPAN 2 OF SOUTHER PORTION OF SUPERSTRUCTURE OF THE EXISTING BRIDGE.
7. INSTALL COFFERDAMS AT THE PIER FOR THE SOUTHERN SPAN.
8. DEMOLISH SOUTHERN PORTION OF THE EXISTING PIER TO LIMITS SHOWN.
9. CONSTRUCT SOUTHERN PORTION OF THE PIER CAP.
10. INSTALL COFFERDAMS AT SOUTHERN PORTION OF ABUTMENTS.
11. DEMOLISH SOUTHERN PORTION OF THE EXISTING ABUTMENTS AND WINGWALLS.
12. CONSTRUCT STAGE 1 PORTION OF PROPOSED ABUTMENTS AND WINGWALLS.
13. BACKFILL NEWLY CONSTRUCTED ABUTMENTS AND WINGWALLS.
14. REMOVE COFFERDAMS.
15. INSTALL BEARINGS AND ERECT PROPOSED STRUCTURAL STEEL.
16. CONSTRUCT CONCRETE DECK AND INSTALL TEMPORARY BARRIER.
17. CONNECT 12" DIAMETER WATER MAIN TO EXISTING AT THE EAST APPROACH.
18. INSTALL PROPOSED 10" SEWER MAIN.
19. CONSTRUCT PORTIONS OF APPROACH SLAB.
20. APPLY MEMBRANE WATERPROOFING AND BITUMINOUS CONCRETE OVERLAY WITHIN PROPOSED LIMITS.

STAGE 2

1. SHIFT OREGON ROAD TRAFFIC ONTO NEWLY CONSTRUCTED STAGE 1 PORTION.
2. DEMOLISH SPAN 1 OF NORTHERN PORTION OF SUPERSTRUCTURE OF THE EXISTING BRIDGE.
3. INSTALL DRILLED SHAFTS AT THE PIER.
4. DEMOLISH SPAN 2 OF NORTHERN PORTION OF SUPERSTRUCTURE OF THE EXISTING BRIDGE.
5. INSTALL COFFERDAMS AT THE PIER FOR THE NORTHERN SPAN.
6. DEMOLISH NORTHERN PORTION OF THE EXISTING PIER.
7. CONSTRUCT NORTHERN PORTION OF THE PIER CAP.
8. INSTALL COFFERDAMS AT NORTHERN PORTION OF ABUTMENTS.
9. DEMOLISH REMAINING PORTION OF THE EXISTING ABUTMENTS AND WINGWALLS.
10. CONSTRUCT STAGE 2 PORTION OF PROPOSED ABUTMENTS AND WINGWALLS.
11. BACKFILL NEWLY CONSTRUCTED ABUTMENTS AND WINGWALLS.
12. REMOVE COFFERDAMS.
13. INSTALL BEARINGS AND ERECT PROPOSED STRUCTURAL STEEL.
14. CONSTRUCT CONCRETE DECK, CURB AND METAL BRIDGE RAIL.
15. CONSTRUCT REMAINING PORTION OF APPROACH SLAB.
16. APPLY MEMBRANE WATERPROOFING AND BITUMINOUS CONCRETE OVERLAY.

STAGE 3

1. SHIFT OREGON ROAD TRAFFIC ONTO NEWLY CONSTRUCTED STAGE 2 PORTION.
2. CONSTRUCT SIDEWALK, CURB, AND METAL BRIDGE RAIL ON SOUTHERN PORTION OF BRIDGE.
3. REMOVE SEDIMENTATION CONTROL SYSTEM UPON PERMANENT STABILIZATION.

PROTECTION PROTOCOLS FOR THE WOOD AND EASTERN BOX TURTLE:

1. NO IN-STREAM ACTIVITY OR BANK DISTURBANCE WITHIN THE WATERWAY DURING THE TURTLES DORMANT PERIOD (NOVEMBER 1 - MARCH 31).
2. TO PREVENT TURTLE ACCESS AND ENTRY INTO THE WORK ZONE BETWEEN APRIL 1 - OCTOBER 31 THE CONTRACTOR MUST ADHERE TO THE FOLLOWING:
   A. INSTALL EXCLUSIONARY FENCING AT LEAST 20 INCHES TALL AND IT MUST BE SECURED TO AND REMAIN IN CONTACT WITH THE GROUND AND BE REGULARLY MAINTAINED (AT LEAST BI-WEEKLY AND AFTER MAJOR WEATHER EVENTS).
   B. PRIOR TO CONSTRUCTION, ALL TURTLES OCCURRING WITHIN FENCED WORK AREA WILL BE RELOCATED TO SUITABLE HABITAT OUTSIDE THE DISTURBANCE AREA.
   C. THE CONTRACTOR MUST SEARCH THE WORK AREA EACH MORNING PRIOR TO WORK BEING DONE AND ANY TURTLES ENCOUNTERED WITHIN THE IMMEDIATE WORK AREA SHALL BE CAREFULLY MOVED TO AN ADJACENT AREA OUTSIDE OF THE EXCLUSIONARY FENCING. THESE ANIMALS ARE PROTECTED BY LAW AND NO ANIMALS SHOULD BE REMOVED FROM THE SITE.
   D. UPON COMPLETION OF CONSTRUCTION ALL EXCLUSIONARY FENCING MUST BE REMOVED IN ITS ENTIRETY AS SOON AS THE AREA IS STABLE TO ALLOW FOR REPTILE AND AMPHIBIAN PASSAGE TO RESUME.

PAY ITEM NOTES:

1. WATER-HANDLING COFFERDAMS SHALL BE PAID FOR UNDER THE ITEM "HANDLING WATER" AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH SPECIAL PROVISIONS FOR ITEM "HANDLING WATER."
2. COFFERDAMS AND DEWATERING FOR WORKING IN THE DRY SHALL BE PAID UNDER THE ITEM "COFFERDAM AND DEWATERING."

TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW	176 CFS
AVERAGE SPRING FLOW	269 CFS
2-YEAR FREQUENCY DISCHARGE	1793 CFS
TEMPORARY DESIGN DISCHARGE	2750 CFS
TEMPORARY DESIGN FREQUENCY	5-YEAR
TEMPORARY WATER SURFACE ELEVATION UPSTREAM	89.2 FT
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM	89.1 FT

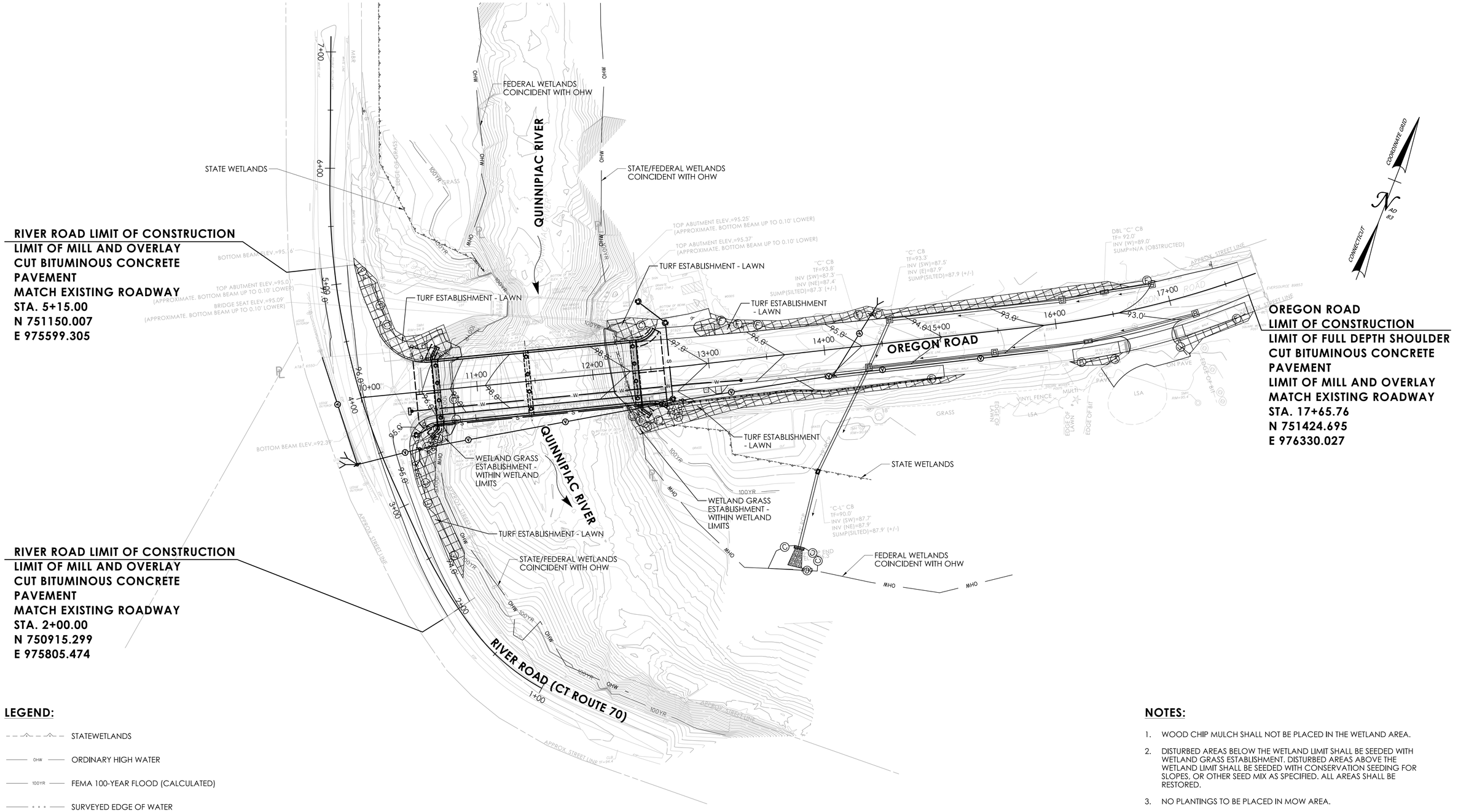
ENVIRONMENTAL PERMIT PLANS
PLAN DATE: APRIL 1, 2026

REVISION DESCRIPTION | DATE | REV.

SIGNATURE BLOCK:
DESIGNER/DRAFTER: PBR CHECKED BY: GA
SCALE AS NOTED

PROJECT TITLE: **REPLACEMENT OF BRIDGE NO. 04184 CARRYING OREGON ROAD OVER QUINNIPIAC RIVER**
TOWN(S): **CITY OF MERIDEN**
DRAWING TITLE: **WATER HANDLING PLAN**
PROJECT NO.: **L079-0004**
DRAWING NO.: **PMT-06**
SHEET NO.:

LASTED SAVED BY: PBarbosa **FILE NAME:** M:\41097_Oregon_Rd_Meriden\300_Engineering & Design\310-Bridge\Contract Plans\SB_CP_41097_04184_PMT_WH_PLAN.dgn
PLOTTED DATE: 4/1/2026



LEGEND:

- STATEWETLANDS
- OHW — ORDINARY HIGH WATER
- 100YR — FEMA 100-YEAR FLOOD (CALCULATED)
- SURVEYED EDGE OF WATER
- SEDIMENTATION CONTROL SYSTEM (SCS)
- CONTROL AND REMOVAL OF INVASIVE VEGETATION 1322 S.Y. (SEE NOTE 4)

NOTES:

1. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA.
2. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEEDED WITH WETLAND GRASS ESTABLISHMENT. DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE SEEDED WITH CONSERVATION SEEDING FOR SLOPES, OR OTHER SEED MIX AS SPECIFIED. ALL AREAS SHALL BE RESTORED.
3. NO PLANTINGS TO BE PLACED IN MOW AREA.
4. AREA TO BE TREATED FOR INVASIVES SHALL BE PROPERLY PREPARED FOR FINAL SEEDING AND RESTORATION.

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: APRIL 1, 2026

REV. | DATE | REVISION DESCRIPTION

SIGNATURE BLOCK: GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06033
DESIGNER/DRAFTER: PBR CHECKED BY:
0 40 80 HORIZONTAL SCALE 1" = 40'

PROJECT TITLE: **REPLACEMENT OF BRIDGE NO. 04184 CARRYING OREGON ROAD OVER QUINNIPIAC RIVER**
TOWN(S): **CITY OF MERIDEN**
DRAWING TITLE: **INVASIVE SPECIES CONTROL PLAN**
PROJECT NO.: **L079-0004**
DRAWING NO.: **PMT-07**
SHEET NO.:

LASTED SAVED BY: PBarbosa **FILE NAME:** M:\41097_Oregon_Rd_Meriden\300_Engineering & Design\310-Bridge\Contract Plans\SB_CP_41097_04184_PMT_INV_CTRL.dgn
PLOTTED DATE: 4/1/2026