



Connecticut Department of
Energy & Environmental Protection
Bureau of Natural Resources
Fisheries Division

DEEP Fisheries Consultation Form

To the Applicant - Prior to the submission of your license application to the Connecticut Department of Energy & Environmental Protection (DEEP) Water Planning and Management Division (WPMD) or Land and Water Resources Division (LWRD) or Water Permitting and Enforcement Division (WPED), please complete Part I below and e-mail the following to deep.inland.fisheries@ct.gov:

1. this completed DEEP *Fisheries Consultation Form*;
2. a site location map,
3. a PDF version of the proposed project plans including a site survey of existing conditions (if available), and
4. photos of the site.

Fisheries Division staff will contact you if further details are needed. Once the Fisheries Division staff returns the completed form to you, please include the form, and any signed plans (if applicable) in your license application submittal to DEEP.

Part I: Applicant and Site Information (to be completed by APPLICANT)

1. Applicant/Registrant Information

Name: Town of Southington
Mailing Address: 196 North Main Street
City/Town: Southington State: CT Zip Code: 06489
Business Phone: 860-276-6231 Ext.:
Contact Person: David Nourse, P.E Phone: 860-276-6231 Ext:
E-mail Address: Noursed@southington.org

2. Engineer/Surveyor/Agent Information (list as applicable)

Name: BL Companies
Mailing Address: 100 Constitution Plaza, 10th Floor
City/Town: Hartford State: CT Zip Code: 06103
Business Phone: 860-249-2200 Ext.:
Contact Person: Kenneth Radziwon, P.E Phone: 860-760-1963 Ext:
E-mail Address: kradziwon@blcompanies.com
Service Provided: Land Surveying/Civil Engineering

3. Site Location:

Name of Site: Bridge No. 131017 - Marion Avenue over Unnamed Brook
Address of Site or Location Description: Bridge adjacent to 1210 Marion Ave
City/Town: Southington State: CT Zip Code: 06489
Parcel Location/Tax Assessor's Reference: Map Block Lot
Name of Stream or Waterbody: Unnamed brook contributing to Humiston/Judd Brook

4. Activity: Check the box best describing your activity: (check all that apply):

- | | |
|---|---|
| ☐ new public/fishing access; | ☐ maintenance dredging |
| ☐ new docks and marinas on the Connecticut River; | ☐ beach nourishment |
| ☐ coastal/tidal dredging projects; | ☒ cofferdam installation |
| ☒ activities in inland/non-tidal waterbodies and watercourses; | ☐ conducting construction activity within a 100-foot buffer of a Cold Water Stream Habitat |
| ☐ withdrawal of water from a non-tidal/inland river, stream, pond or lake; | |
| ☐ withdrawal of water from a wetland, marsh, swamp, or bog hydrologically connected to a non-tidal/inland river, stream, pond or lake; | |
| ☐ withdrawal of groundwater from stratified drift deposits hydrologically connected to a non-tidal/inland river, stream, pond or lake. | |

Note: Fisheries consultation is **not required** for docks and marinas on Long Island Sound.

Part I: Applicant and Site Information (to be completed by APPLICANT) (continued)

5. DEEP Pre-application Contact: Indicate name of permit analyst or engineer, if applicable.

6. Project Description: Provide or attach a brief, but thorough, description of the project including any measures to protect, enhance or restore fish populations:

See attached

Part II: Fisheries Determination (To be completed by DEEP Fisheries Staff only)

To Fisheries Staff - This completed consultation form is required to be submitted as part of an application to DEEP. The application has not yet been submitted to DEEP. Please review the enclosed materials and determine whether the project will significantly impact any fisheries or fisheries habitat. You may provide comments or recommendations regarding the proposal. Send this completed form to the applicant and copy the DEEP analyst, if known, or the applicable WPMD/LWRD/WPED Supervisor. If the proposed work **WILL** significantly impact any fisheries and/or habitat or if you have any comments or concerns regarding the regulatory review for this project, contact the DEEP analyst, if known, or the applicable WPMD/LWRD/WPED Supervisor.

DEEP FISHERIES DIVISION DETERMINATION

Date Consultation Form received: 05/21/2025

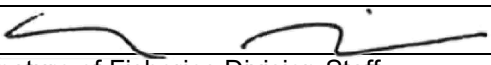
Please check applicable boxes and return the completed Consultation Form to the applicant:

- ☐ I have determined that the work described in Part I of this form and attachments **WILL NOT** significantly impact any fisheries and/or habitat;
- ☒ I have determined that the work described in Part I of this form and attachments **WILL NOT** significantly impact any fisheries and/or habitat **if the below Recommendations are followed**; and/or,
- ☐ I have determined that the work described in Part I of this form and attachments **WILL NOT** significantly impact any fisheries and/or habitat **if the design features shown on the attached plans are incorporated**. Fisheries staff to sign and date plans and return to the applicant with the completed Consultation Form.

COMMENTS/RECOMMENDATIONS (or check here if these are attached following this page: ☐):

1. Unconfined in-water work is only allowed in June, July, August, and September.
2. Riprap placed within OHW should have fines (gravel/sand) washed into interstitial spaces to prevent subsurface flows and be top dressed with 12" of natural streambed material.
3. All other comments incorporated into plans.

"By entering my name below, I agree that I am providing my legal signature, and am legally bound by the determination above."

	07/22/2025
Signature of Fisheries Division Staff	Date
Andrew Miano	Fisheries Biologist
Print Name of Fisheries Division Staff	Title

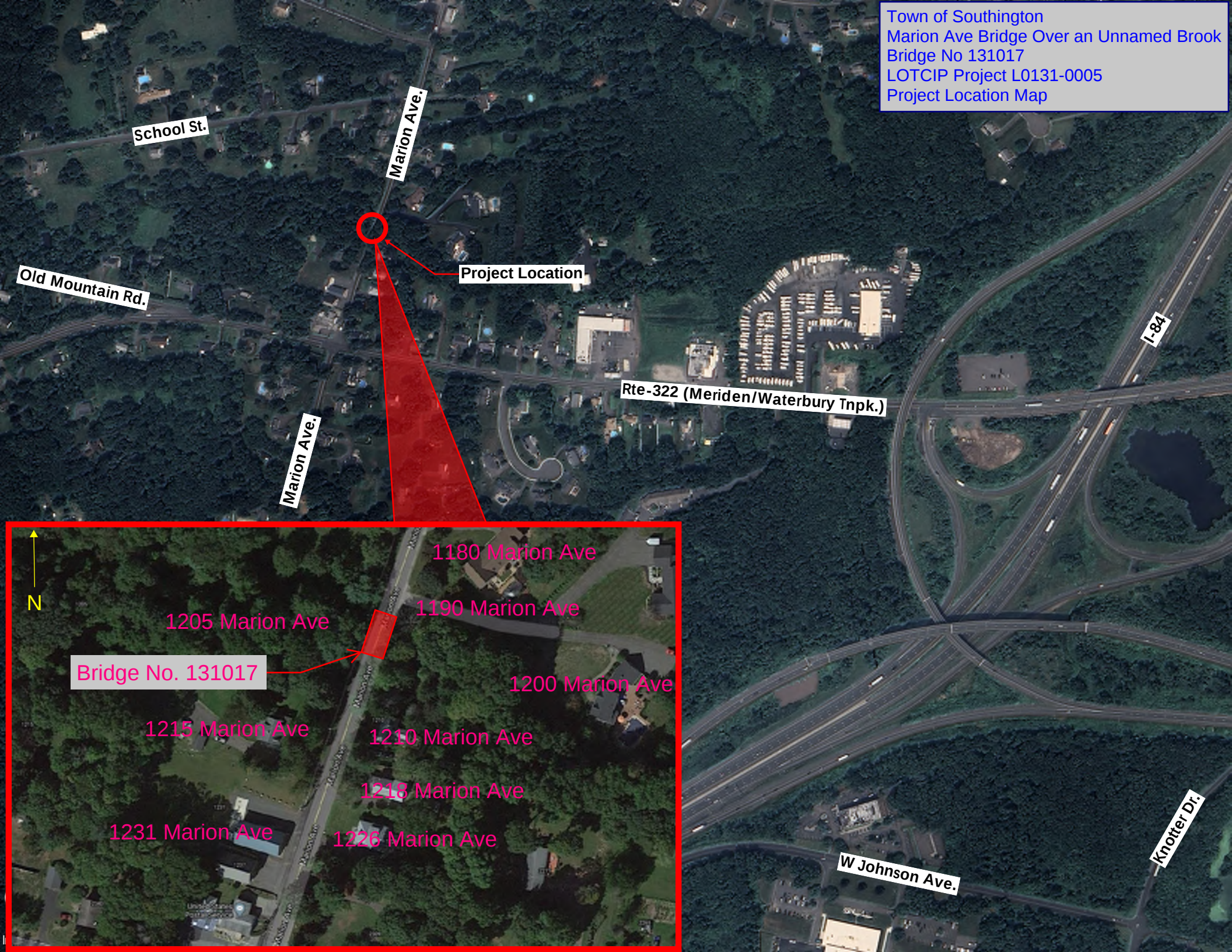
PROJECT DESCRIPTION

The Project is to replace the existing Marion Avenue Bridge No. 131017 over an unnamed brook with a precast structure. The existing structure consists of an 8-foot long combination stone masonry arch and asphalt coated corrugated metal pipe (ACCMP) arch on concrete footings that was originally constructed in 1930. The ACCMP represents a portion of the structure what was reconstructed in 1975, according to the Town's information. The stone masonry arch exhibits spalled concrete headwalls/parapets, spalled mortar joints with a section of missing mortar and loose stone masonry along the top of the arch. This area shows evidence of roadbed material eroding through the top of the arch. The design will include the replacement of the structure with a 4-sided precast concrete box. The project will require minor clearing and grubbing alongside the watercourse, full-depth roadway reconstruction, utility pole relocations and embankment gradation. Lastly, the project will include new safety features such as MASH compliant guiderail and line striping.

The proposed project will replace the existing structure with a 10' wide by 8' high precast concrete box culvert lined with a minimum of 2 feet of natural streambed material. This design was selected to address the structural deficiencies of the culvert and maintain hydraulic adequacy. The concrete pad at the outlet will be removed, and the channel grade will be changed to better match the upstream slope. The horizontal alignment of the channel will be changed to 24° from normal, which will increase the structure length to 41'-7". The box culvert provides additional watercourse area with installation of natural streambed through box culvert.

LOCATION MAP

Town of Southington
Marion Ave Bridge Over an Unnamed Brook
Bridge No 131017
LOT/CIP Project L0131-0005
Project Location Map



School St.

Marion Ave.

Project Location

Old Mountain Rd.

Marion Ave.

Rte-322 (Meriden/Waterbury Tnpk.)

I-84

W Johnson Ave.

Knotter Dr.

1180 Marion Ave

1190 Marion Ave

1205 Marion Ave

Bridge No. 131017

1200 Marion Ave

1215 Marion Ave

1210 Marion Ave

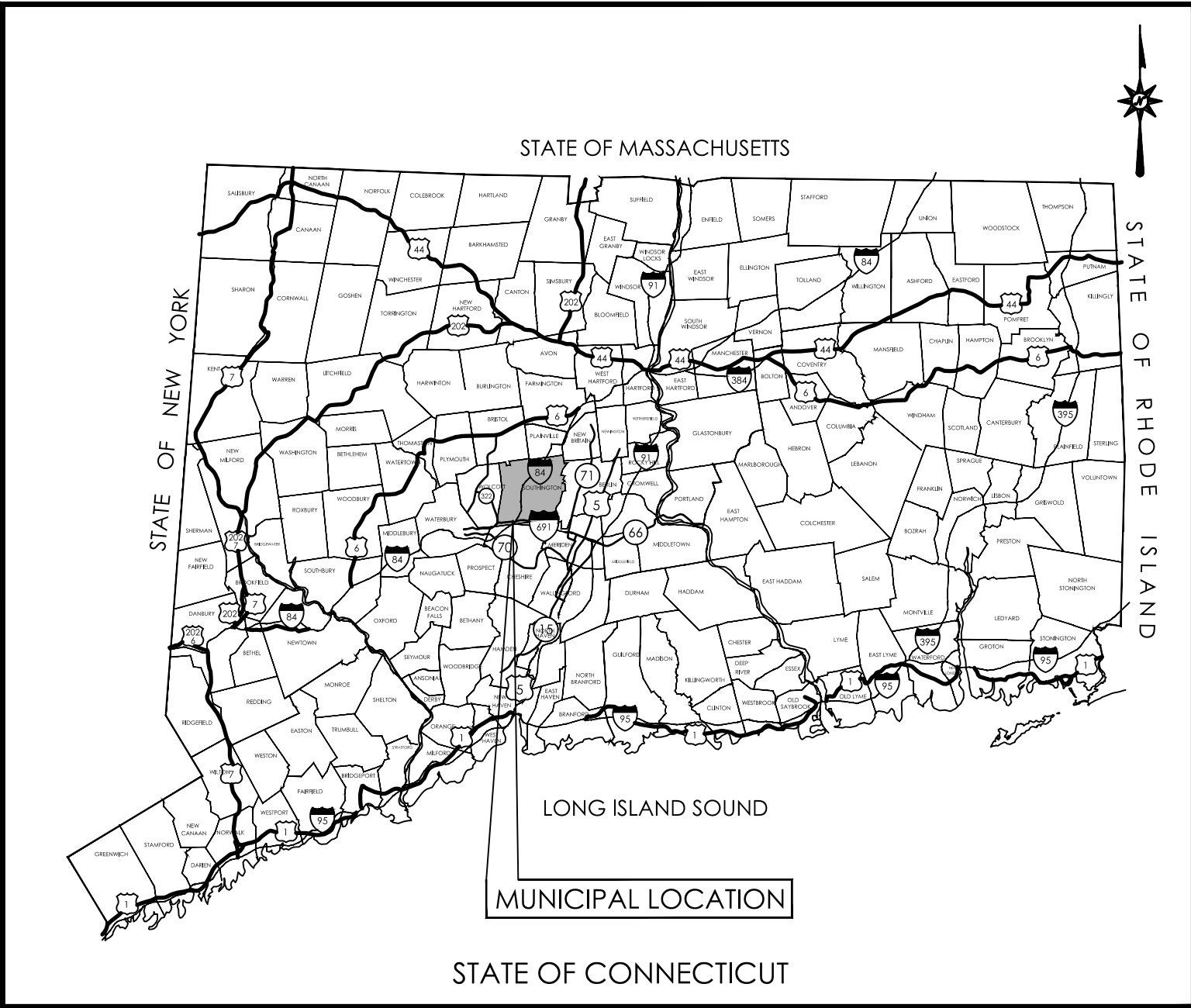
1218 Marion Ave

1231 Marion Ave

1226 Marion Ave

N

PROJECT PLANS



LOCATION MAP
N.T.S.

CONTENTS	
PMT-01	TITLE SHEET
PMT-02	DETAILED SITE PLANE AREA
PMT-03	PRECAST BOX CULVERT LAYOUT
PMT-04	WATER HANDLING PLAN
PMT-05	WETLAND/WATERCOURSE IMPACT PLAN
PMT-06	PLANTING PLAN

MARION AVENUE BRIDGE REPLACEMENT

BRIDGE NO. 131017 MARION AVENUE OVER UNNAMED BROOK SOUTHINGTON, CT

PERMIT PLANS NOT FOR CONSTRUCTION

PREPARED FOR:
TOWN OF SOUTHINGTON
75 MAIN STREET
SOUTHINGTON, CT 06489
L131-0005

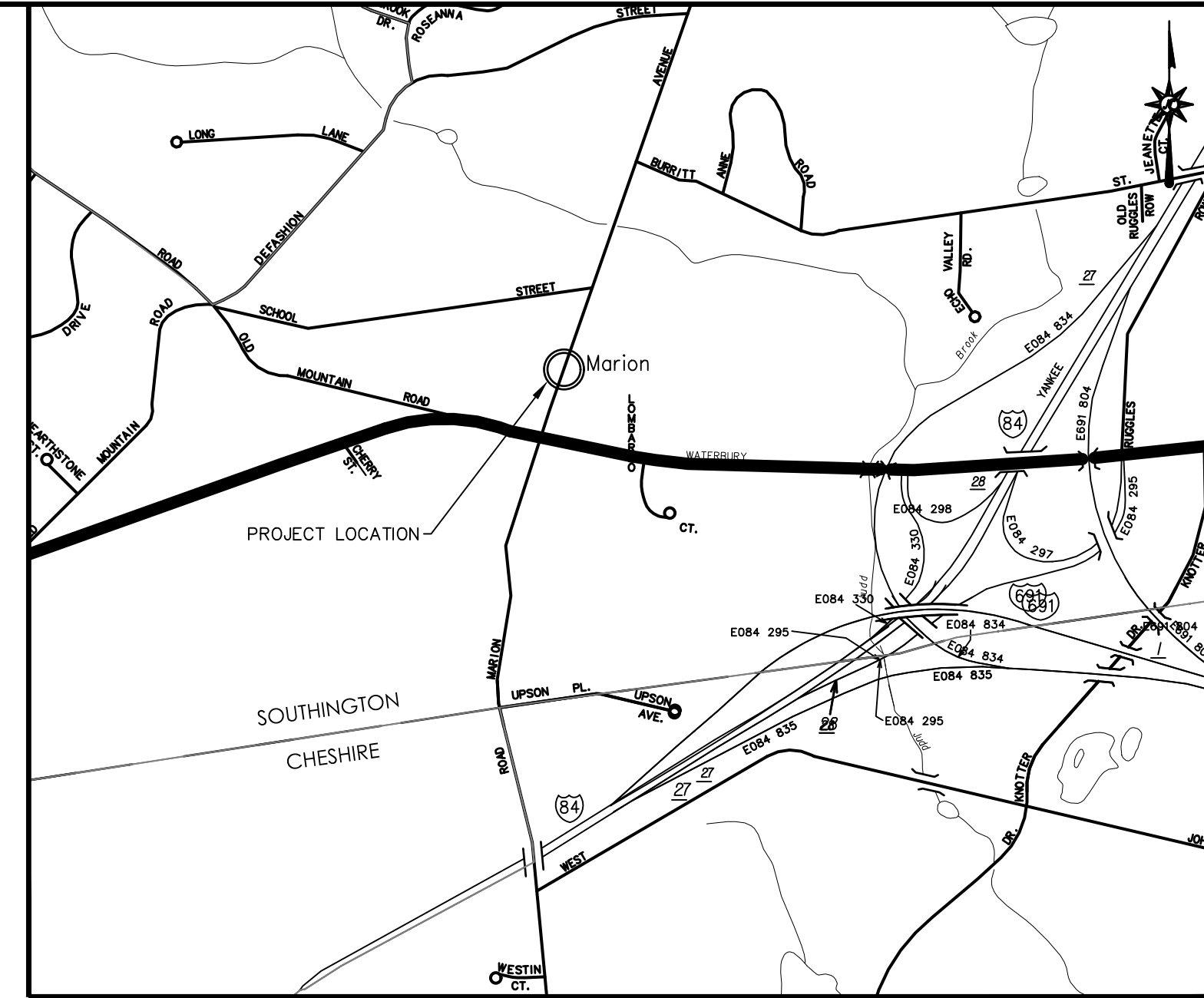
PREPARED BY:



100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103
(860) 249-2200
(860) 249-2400 Fax

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: JULY 18, 2025

SUBCONSULTANTS:
DOWN TO EARTH CONSULTING, LLC



VICINITY MAP
SCALE: 1"=1,000'

DESIGN STANDARDS

DESIGN SPEED: 35 MPH
AADT: 3,500
TOWN OF SOUTHINGTON DESIGN STANDARDS
CONNECTICUT DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL

CONSTRUCTION STANDARDS

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION FORM 819, DATED 2024 AND SPECIAL PROVISIONS.
ALL HORIZONTAL GEOMETRY ON THIS PROJECT IS BASED ON A FIELD SURVEY PERFORMED BY BL COMPANIES, INC. DATED: MARCH 1, 2024 ON HORIZONTAL DATUM NAD 83.
ALL ELEVATIONS ON THIS PROJECT BASED ON NAVD 88.
2002 CONNECTICUT GUIDELINES FOR SOIL AND EROSION AND SEDIMENT CONTROL
MARION AVENUE AND BRIDGE NO. 131017 TO BE MAINTAINED BY THE TOWN OF SOUTHINGTON.

CUT/FILL LIMITS

SEDIMENTATION CONTROL SYSTEM

STATE/FEDERAL WETLANDS

FEMA REGULATORY FLOODWAY

FEMA 100 YEAR MAPPED FLOODPLAIN

ORDINARY HIGH WATER

APPROXIMATE CLEARING LIMITS

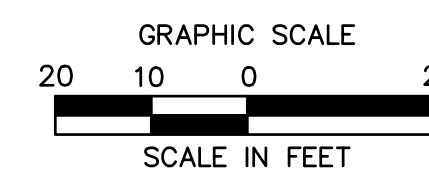
FULL-DEPTH RECONSTRUCTION

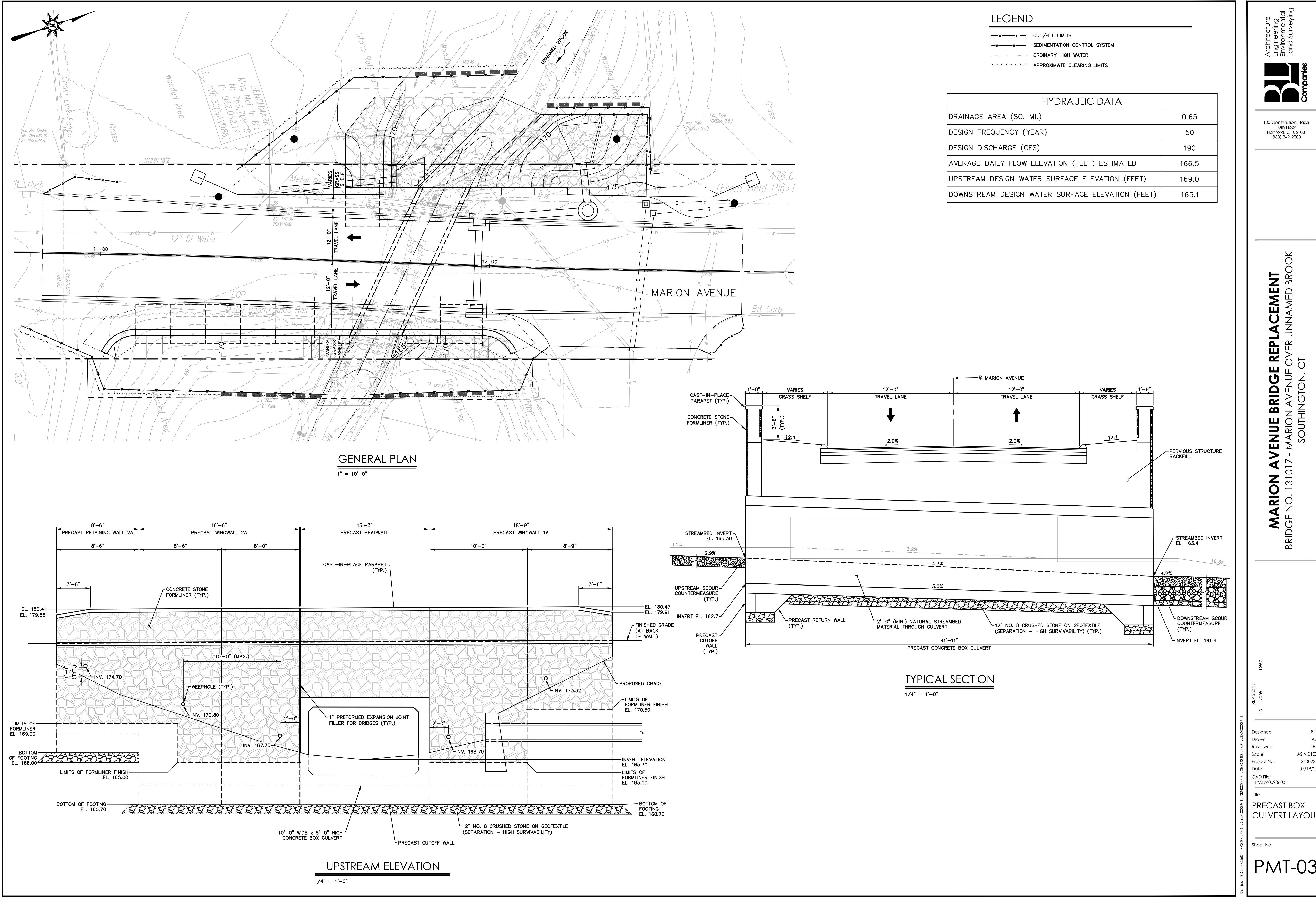
INTERMEDIATE RIPRAP SLOPE

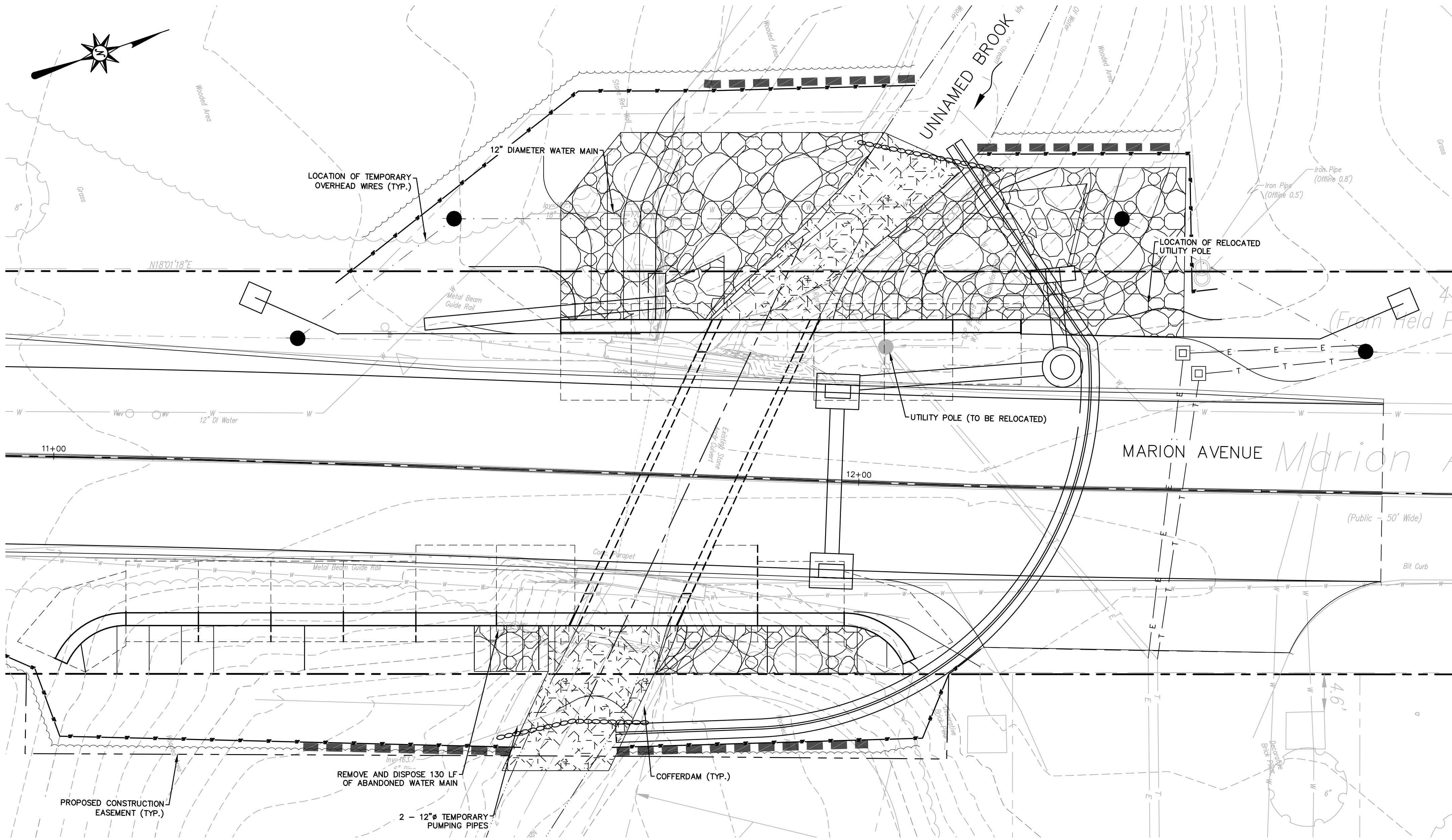


MARION AVENUE BRIDGE REPLACEMENT
BRIDGE NO. 131017 - MARION AVENUE OVER UNNAMED BROOK
SOUTHINGTON, CT

PMT-02







PLAN
1" = 8'-0"

SEQUENCE OF CONSTRUCTION

PRE-STAGE 1

1. CONTACT "CALL BEFORE YOU DIG" AND PERFORM UTILITY MARK OUT.
2. INSTALL SEDIMENTATION AND EROSION CONTROL MEASURES.
3. REMOVE TREES AS CALLED FOR AND CLEAR AND GRUB SITE.
4. COORDINATE AND COMPLETE RELOCATION OF AERIAL UTILITIES OR DE-ENERGIZE AS APPLICABLE.

STAGE 1 - DETOUR

5. CLOSE MARION AVENUE AND DETOUR TRAFFIC AS SHOWN ON SHEET "DTR-01".
6. INSTALL TEMPORARY COFFERDAM AND PUMP UNNAMED BROOK.
7. REMOVE EXISTING CULVERT.
8. INSTALL PRECAST CONCRETE CUTOFF AND RETURN WALLS, PRECAST CONCRETE BOX CULVERT AND PRECAST CONCRETE WINGWALLS.
9. PLACE RIPRAP AND NATURAL STREAM BED MATERIAL.
10. REMOVE COFFERDAM AND BACKFILL EXCAVATION.
11. INSTALL DRAINAGE AND COMPLETE FULL DEPTH ROADWAY CONSTRUCTION.
12. PAVE BASE COURSE HMA.
13. INSTALL TEMPORARY BARRIER.

STAGE 2 - MAINTAIN TWO-WAY TRAFFIC

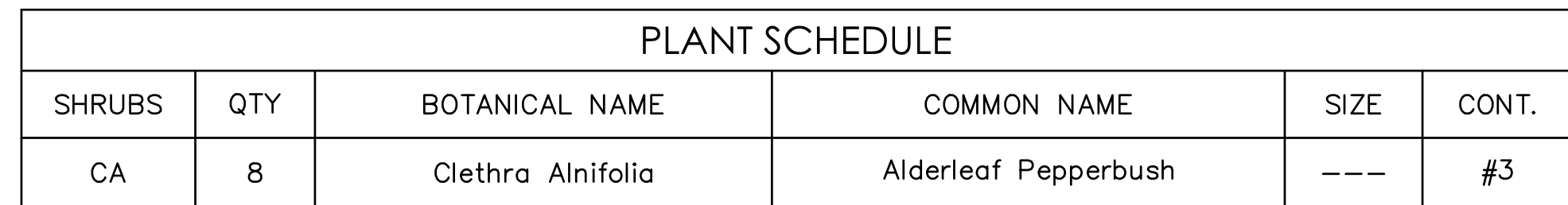
14. OPEN MARION AVENUE TO TWO-WAY TRAFFIC.
15. COMPLETE PARAPET CONSTRUCTION.
16. INSTALL ROADSIDE SAFETY DEVICES.
17. REMOVE TEMPORARY BARRIER DEVICES.
18. INSTALL FINAL WEARING COURSE, CURBING, AND COMPLETE ALL OUTSTANDING ITEMS AND CLEANUP.

LEGEND

- CUT/FILL LIMITS
- SEDIMENTATION CONTROL SYSTEM
- ORDINARY HIGH WATER
- APPROXIMATE CLEARING LIMITS
- INTERMEDIATE RIPRAP SLOPE

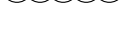
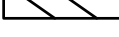
TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW (CFS)	1.2
AVERAGE SPRING FLOW (CFS)	2.4
2-YEAR FREQUENCY DISCHARGE (CFS)	35
LOW FLOW PUMPING TEMPORARY DESIGN DISCHARGE = 2X AVERAGE SPRING FLOW	4.8
GRAVITY FLOW BYPASS PIPE TEMPORARY DESIGN DISCHARGE = 2-YEAR FREQUENCY (CFS)	35
2-YEAR WATER SURFACE ELEVATION UPSTREAM (FEET)	169.2
2-YEAR WATER SURFACE ELEVATION DOWNSTREAM (FEET)	164.30

PMT-05



1. TURF ESTABLISHMENT SHALL BE SOWED VIA HYDROSEED.

1" = 8'-0"

- | | |
|---|-------------------------------------|
|  | CUT/FILL LIMITS |
|  | SEDIMENTATION CONTROL SYSTEM |
|  | APPROXIMATE CLEARING LIMITS |
|  | TOPSOIL & TURF ESTABLISHMENT - LAWN |
|  | RIPRAP FOR SLOPE PROTECTION |
|  | STRAW BALE |

PICTURES



Photo 1

Approach Looking North

Photo Taken 3/17/2021



Photo 2

Approach Looking South

Photo Taken 3/17/2021



Photo 3

Looking Upstream

Photo Taken 3/17/2021



Photo 4

Looking Downstream

Photo Taken 3/17/2021



Photo 5

Existing Utilities

Photo Taken 3/17/2021



Photo 6

18 in. Concrete Drainage Pipe

Photo Taken 3/17/2021



Photo 7

Outlet Elevation

Photo Taken 3/17/2021



Photo 8

Inlet Elevation

Photo Taken 3/17/2021



Photo 9

Cracked Concrete Headwall at Inlet

Photo Taken 3/17/2021



Photo 10

CMP Arch and Stone Masonry Arch

Photo Taken 3/17/2021



Photo 11

Water Damage at Stone Masonry Arch

Photo Taken 3/17/2021



Photo 12

Erosion of Embankment at Inlet

Photo Taken 3/17/2021



Photo 13

Voids in top of Stone Masonry Arch

Photo Taken 3/17/2021

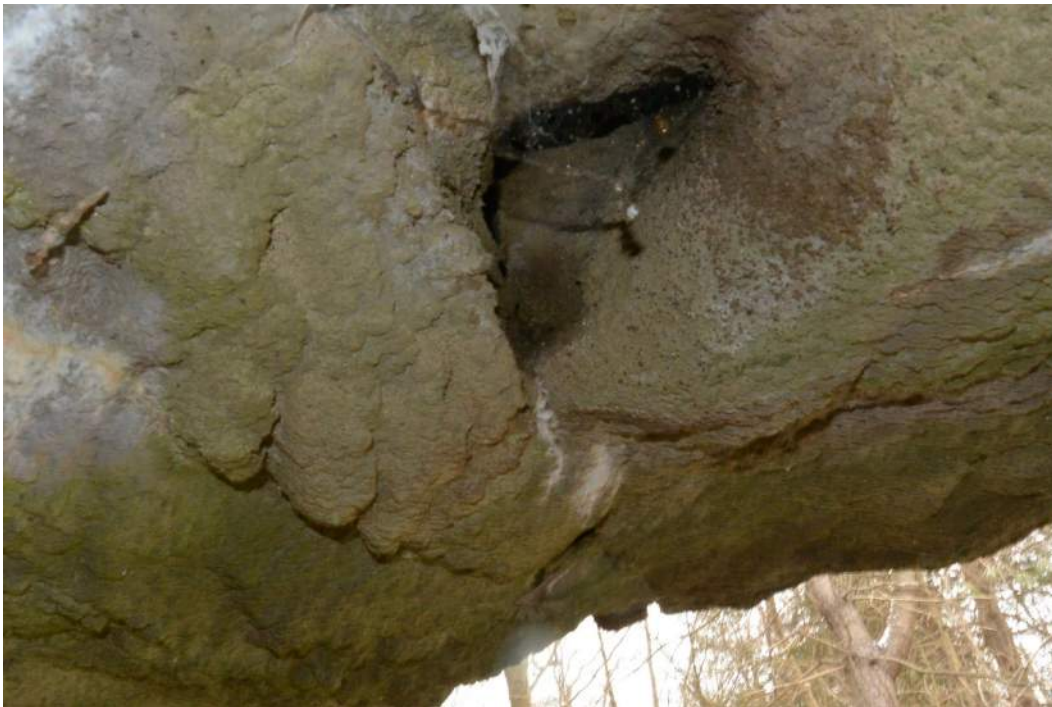


Photo 14

Voids in top of Stone Masonry Arch

Photo Taken 3/17/2021



Photo 15

Downstream Precast Concrete Block Wingwall at Outlet

Photo Taken 3/17/2021



Photo 16

Undermined Concrete Armoring at Inlet

Photo Taken 3/17/2021



Photo 17

Undermined Armoring at Upstream Bank

Photo Taken 3/17/2021



Photo 18

Stone Masonry Headwall at Inlet

Photo Taken 3/17/2021



Photo 19

Downstream Bank

Photo Taken 3/17/2021



Photo 20

Downstream Bank - Deteriorated Precast Concrete Block Wall

Photo Taken 3/17/2021



Photo 21

**Stone Masonry Arch at Transition to ACMP Arch on
Concrete wall**

Photo Taken 3/17/2021



Photo 22

Stone Masonry Arch with shotcrete facing

Photo Taken 3/17/2021



Photo 23

ACMP Arch on Concrete Walls at Downstream end of Structure

Photo Taken 3/17/2021



STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone: (860) 594-2157



This section to be filled out by DOT OEP Staff:

OEP STAFF:

DATE SENT TO DEEP FISHERIES:

SUBJECT:

Type of Permit:

- ☐ 1. DOT Culvert/Bridge Projects
- ☐ 2. Diversion
- ☐ 3. PGP/Inland Wetland
- ☐ 4. Water Quality Certification

Project#:

Bridge#:

Applicant:

Town:

Lat/Long:

Waters:

Sub Regional Basin #:

Project Scope:

MUST SUBMIT PLANS AND PICTURES WITH THIS FORM. If unable to include please explain:



STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone: (860) 594-2157



This section to be filled out by DEEP Fisheries Staff:

FISHERIES REVIEWER:

DATE SUBMITTED TO OEP:

Fisheries Resources:

Coldwater stream / fisheries present: ☐1. YES ☐2. NO

Comments/Recommendations:

☐ No DEEP Fisheries Concerns

CC. Peter Aarrestad, Director, DEEP Fisheries Division