SEPTEMBER 17, 2025
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
FEDERAL AID PROJECT NO. 0842(327)
STATE PROJECT NO. 0151-0340
CITY OF WATERBURY

ADDENDUM NO. 1

This Addendum incorporates a special provision and approved stormwater discharge permit.

SPECIAL PROVISION
NEW SPECIAL PROVISION

The following Special Provision are hereby added to the Contract:

- NOTICE TO CONTRACTOR – INSTALLATION QUALIFICATIONS FOR COMPUTERIZED TRAFFIC SIGNAL SYSTEM (CTSS) EQUIPMENT

PERMIT

The following permit is hereby added to the contract:

- DEEP GENERAL PERMIT FOR DISCHARGE OF STORMWATER DISCHARGE AND DEWATERING WASTEWATER (GPSD) FROM CONSTRUCTION ACTIVITIES

The Bid Proposal Form and Detailed Estimate Sheets are not affected by these changes.

There will be no change in the number of calendar days due to this Addendum.

The foregoing is hereby made a part of the contract.

NOTICE TO CONTRACTOR – INSTALLATION QUALIFICATIONS FOR COMPUTERIZED TRAFFIC SIGNAL SYSTEM (CTSS) EQUIPMENT

All management, construction, installation, and inspection services shall be performed by individuals who have performed the same job function on at least two (2) previously completed construction and installation communication projects of comparable size and complexity.

Approval of Fiber-Optic Cable Installation, Splicing and Testing:

Each Contractor or Subcontractor performing the work involved with installing, splicing and testing of cable and electronic communication systems shall provide references and resumes of staff that shall meet the following requirements:

Satisfactory completion of at least three (3) fiber-optic based communication projects in the last five (5) years. Experience shall be in related fiber optic systems for installers involving single-mode cables in excess of three (3) miles.

The Contractor shall provide a list of each fiber-optic based communications project and/or intelligent transportation system project which the Contractor has performed, including a description of each project, the location of each project, inclusive dates of when the work was performed on each project, and a contact reference for each project listed. Each of the referenced projects shall include completing a minimum of three (3) single-mode, optical fiber cable fusion splices, and installation of at least twenty-five (25) optical connectors on single-mode optical fibers. As a minimum, the contact reference shall include an individual's name, training certificates (including updated licenses), title, and current telephone number.

All Contractor personnel involved in the placing, splice preparation and splicing of fiber optic cable shall meet or exceed the above referenced installation qualifications and shall be approved by the Office of Highway Operations. Under no circumstance will unqualified, unapproved Contractor personnel be allowed to work on the CTSS Equipment.

These requirements shall apply to the following contract item installations:

- Optical Fiber Cable, Single Mode, Loose Buffered Tube Cable, 12-Fiber, 36-Fiber
- Fiber Optic Cable Splice Enclosures (Signal)
- Optical Fiber Termination Patch Panel

Approval of ITS Systems Integrator:

The proposed ITS Systems Integrator performing the work described in these Special Provisions which are involved with supplying, installing, configuring and testing of electronic communication systems for the Traffic signal cabinet, shall provide PDF documentation that contains the proposed ITS Systems Integrator's experience in the areas noted below, as well as references and resumes

for staff proposed to perform the project work. The document should clearly indicate how the proposed ITS Systems Integrator meets the following requirements:

- Experience successfully integrating at least five (5) ITS system projects within the last five (5) years. Integrating and networking at least eight (8) traffic signal sites or ITS camera sites in a single Ethernet network.

- Experience using various communication test equipment including: Fiber Optic Spectrum Analyzer, OTDR, BERT, Network Protocol Analyzer, and Oscilloscope.

- Demonstrate a general working knowledge of serial communications interfaces such as RS-232, RS-422, RS-485, RS-530, and RS-449.

- Demonstrate extensive experience configuring Ethernet layer 2 and layer 3 managed Ethernet switches including but not limited to: TCP/IP routing schemes, Rapid Spanning Tree Protocol, link aggregation protocols, VLAN configurations, and Quality of Service.

These qualifications will apply to the following items in the contract:

  - 1108665A - 10/100/1000 Base – T Ethernet Switch

The document for the CTSS Equipment Fiber-Optic Cable Installation, Splicing and Testing Qualifications and ITS Systems Integrator shall be submitted through COMPASS for approval within ten (10) days of the Contract Award and directed to the attention of Highway Operations:

Mr. Kevin Danh
Connecticut Department of Transportation
Bureau of Highway Operations
2800 Berlin Turnpike P.O. Box 317456
Newington, Connecticut 06131-7546

The Contractor shall not start work on the CTSS Equipment until the Contractor receives approval from the Department. This document shall be submitted to the Department forreview and approval before any CTSS Equipment project work may proceed.

Connecticut Department of
Energy & Environmental Protection
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective 10/1/13 (electronic form)

Prior to completing this form, you **must** read the instructions for the subject general permit at **DEEP-WPED-INST-015**.
This form must be filled out electronically before being printed.
You must submit the registration fee along with this form.

The status of your registration can be checked on the DEEP's ezFile. Portal. Please note that DEEP will no longer mail certificates of registration.

CPPU USE ONLY

App #: _____

Doc #: _____

Check #: _____

Program: **Stormwater**

Part I: Registration Type

Select the appropriate boxes identifying the registration type and registration deadline.

Registration Type			Registration Timeline	
☐	**Re-registration** **Existing Permit No. GSN** _____		**On or before February 1, 2014*** *Note: Failure to renew a permit by this date will require submission of new registration. Re-registrants must only complete Parts I, II, III, IV - Question 1, VII and submit Attachment A.	
☑	**New Registration** (Refer to Section 2 of the permit for definitions of Locally Exempt and Locally Approvable Projects)	☑ **Locally Approvable** **Size of soil disturbance:** 8.40	**New registration - Sixty (60) days prior to the initiation of the construction activity for:** For sites with a total soil disturbance area of 5 or more acres	
		☐ **Locally Exempt** **Size of soil disturbance:** _____	☐	**New registration - Sixty (60) days prior to the initiation of the construction activity for:** Sites with a total disturbance area of one (1) to twenty (20) acres except those with discharges to impaired waters or tidal wetlands
			☐	**New registration - Ninety (90) days prior to the initiation of the construction activity for:** (i) Sites with a total soil disturbance area greater than twenty (20) acres, or (ii) Sites discharging to a tidal wetland (that is not fresh-tidal and is located within 500 feet), or (iii) Sites discharging to the impaired water listed in the "Impaired Waters Table for Construction Stormwater Discharges"

Part II: Fee Information

1. New Registrations

   a. Locally approvable projects (registration only):

☑ $625

   b. Locally exempt projects (registration and Plan):

☐ $3,000 total soil disturbance area ≥ one (1) and < twenty (20) acres.

☐ $4,000 total soil disturbance ≥ twenty (20) acres and < fifty (50) acres.

☐ $5,000 total soil disturbance ≥ fifty (50) acres.

2. Re-Registrations

☐ $625 (sites previously registered prior to September 1, 2012)

☐ $0 (sites previously registered between to September 1, 2012 and effective date of this permit)

Total Fee: $625.00

The fees for municipalities shall be half of those indicated in subsections (a), (b) and (c) above pursuant to Section 22a-6(b) of the Connecticut General Statutes. State and Federal agencies shall pay the full fees specified in this subsection. The registration will not be processed without the fee. The fee shall be non-refundable and shall be paid by certified check or money order payable to the Department of Energy and Environmental Protection.

Part III: Registrant Information

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

1. Registrant /Client Name: STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

   Registrant Type: State Agency

   Secretary of the State business ID #:

   Mailing Address: 359 S MAIN ST

   City/Town: THOMASTON State: CT Zip Code: 06787

   Business Phone: (203)851-2755 ext.:

   Example:(xxx) xxx-xxxx

   Contact Person: JUDITH NEMECEK Title : DISTRICT ENGINEER

   E-Mail: Judith.Nemecek@ct.gov

2. List billing contact:

   Name: STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

   Mailing Address: 359 S MAIN ST

   City/Town: THOMASTON State: CT Zip Code: 06787

   Business Phone: (203)851-2755 ext.:

   Contact Person: JUDITH NEMECEK Title : DISTRICT ENGINEER

3. List primary contact for departmental correspondence and inquiries:
   Name: STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
   Mailing Address: 359 S MAIN ST
   City/Town: THOMASTON State: CT Zip Code: 06787
   Business Phone: (203)851-2755 ext.
   Contact Person: JUDITH NEMECEK Title: DISTRICT ENGINEER

4. List owner of the property on which the activity will take place:
   Name: STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION
   Mailing Address: 359 S MAIN ST
   City/Town: THOMASTON State: CT Zip Code: 06787
   Business Phone: (203)851-2755 ext.
   Contact Person: JUDITH NEMECEK
5. List preparer:
   Name: BL COMPANIES, INC.
   Mailing Address: 100 CONSTITUTION PLZ, 10TH FL
   City/Town: HARTFORD State: CT Zip Code: 06103
   Business Phone: (860)760-1927 ext.
   Contact Person: Christopher Mastriano Title: Senior Highway Engineer
6. List design professional:
   Name: BL COMPANIES, INC.
   Mailing Address: 100 CONSTITUTION PLZ, 10TH FL
   City/Town: HARTFORD State: CT Zip Code: 06103
   Business Phone: (860) 760-1930 ext.
   Contact Person: David Cicia, PE Title: Principal Engineer
7. List Reviewing Qualified Professional (for locally approvable projects only):
   Name: BL COMPANIES, INC.
   Mailing Address: 100 CONSTITUTION PLZ, 10TH FL
   City/Town: HARTFORD State: CT Zip Code: 06103
   Business Phone: (203) 608-1406 ext.
   Contact Person: Michael Fisher Title: Regional Manager

Part IV: Site Information

1. Site Name: 151-0340 - Removal of I-84 EB Exit 21 Off-Ramp
   Street Address or Description of Location: 174 Meadow St
   City/Town: Waterbury State: CT Zip Code: 06702
   Brief Description of construction activity:
   Removal of the existing I-84 EB Exit 21 Off-Ramp, reconstruction of Meadow Street, local signal improvements and mill and overlay local streets.
   Project Start Date: 1 Apr 2026 Anticipated Completion Date: 31 Oct 2027
   Normal working hours: 7 AM to 4 PM

2. **MINING** : Is the activity on the site in question part of mining operations (i.e. sand and gravel)? ☐Yes ☑No

If yes, mining is not authorized by this general permit. You must submit the Registration Form for the General Permit for the Discharge of Stormwater Associated with Industrial Activity.

3. **COMBINED OR SANITARY SEWER:** Does all of the stormwater from the proposed activity discharge to a combined or sanitary sewer (i.e. a sewage treatment plant)? ☐ Yes ☑No

If yes, this activity is not regulated by this permit. Contact the Water Permitting & Enforcement Division at 860-424-3018.

4. **INDIAN LANDS:** Is or will the facility be located on federally recognized Indian lands? ☐ Yes ☑No

5. **COASTAL BOUNDARY:** Is the activity which is the subject of this registration located within the coastal boundary as delineated on DEEP approved coastal boundary maps? ☐ Yes ☑No

The coastal boundaries fall within the following towns: Branford, Bridgeport, Chester, Clinton, Darien, Deep River, East Haven, East Lyme, Essex, Fairfield, Greenwich, Groton (City and Town), Old Lyme, Guilford, Hamden, Ledyard, Lyme, Madison, Milford, Montville, New London, New Haven, North Haven, Norwalk, Norwich, Old Saybrook, Orange, Preston, Shelton, Stamford, Stonington (Borough and Town), Stratford, Waterford, West Haven, Westbrook and Westport.

If "yes", and this registration is for a new authorization or a modification of an existing authorization where the physical footprint of the subject activity is modified, you must provide documentation to the DEEP Office of Long Island Sound Programs or the local governing authority has issued a coastal site plan approval or determined the project is exempt from coastal site plan review. Provide this documentation with your registration as Attachment B. See guidance in Appendix D of the general permit. Information on the coastal boundary is available at the local town hall or on the **Connecticut Coastal Resources Map** . Additional DEEP Maps and Publications are available by contacting DEEP Staff at 860-424-3555.

6. **ENDANGERED OR THREATENED SPECIES:**

In order to be eligible to register for this General permit, each registrant must either perform a self-assessment, obtain a limited one-year determination, or obtain a safe-harbor determination regarding threatened and endangered species. This may include the need to develop and implement a mitigation plan. While each alternative has different limitations, the alternatives are not mutually exclusive; a registrant may register for this General Permit using more than one alternative, See Appendix A of the general Permit. Each registrant must complete this AND Attachment C to this Registration form and a registrant who does not or cannot do so is not eligible to register under this General Permit.

Each registration must perform a review of the Department's Natural Diversity Database maps to determine if the site of the construction activity is located within or in proximity (within ¼ mile) to a shaded area.

a. Provide the date of the NDDB maps were reviewed: 21 Aug 2025 (Print a copy of the NDDB map you viewed since it must be submitted with this registration as part of Attachment C.)

b. For a registrant using a limited one-year determination or safe harbor determination to register for this General Permit, provide the Department's Wildlife Division NDDB identification number for any such determination:

_____ (The number is on the determination issued by the Department's Wildlife Division).

For more information on threatened and endangered species requirements, refer to Appendix A and section 3(b)(2) of this General Permit, Visit the DEEP website at **Natural Diversity Data Base** or call the NDDB at 860-424-3011.

c. I verify that I have completed Attachment C to this Registration Form. ☐ Yes

7. **WILD AND SCENIC RIVERS:** Is the proposed project within the watershed of a designated Wild and Scenic River? (See Appendix H for guidance) ☐ Yes ☑ No

8. **AQUIFER PROTECTION AREAS:** Is the site located within a mapped **Aquifer Protection Area** , as defined in Section 22a-354h of the CT General Statutes? (For additional guidance, please refer to Appendix C of the General Permit) ☐ Yes ☑ No

9. **Connecticut Guidelines for Soil Erosion and Sediment Control Guidelines:** Is the activity in accordance with Connecticut Guidelines for Soil Erosion and Sediment Control Guidelines and local erosion & sediment control ordinances, where applicable? ☑ Yes ☐ No

10. **HISTORIC AND/OR ARCHAEOLOGICAL RESOURCES:**

Has the site of the proposed activity been reviewed (using the process outlined in Appendix G of this permit) for historic and/or archaeological resources? ☑ Yes ☐ No

a. The review indicates the proposed site does not have the potential for historic/ archaeological resources, OR ☑ Yes ☐ No

b. The review indicated historic and/ or archaeological resource potential exists and the proposed activity is being or has been reviewed by the Offices of Culture and Tourism, OR ☐ NA ☐ Yes ☑ No

c. The proposed activity has been reviewed and authorized under an Army Corps of Engineers Section 404 wetland permit. ☐ NA ☐ Yes ☑ No

11. **CONSERVATION OR PRESERVATION RESTRICTION:**

Is the property subject to a conservation or preservation restriction? ☐ Yes ☑ No

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

Part V: Stormwater Discharge Information

Table 1

Outfall #	a) Type	b) Pipe Material	c) Pipe Size	d) Note: To find lat/long, go to: CT ECO . A decimal format is required here. Directions on how to use CT ECO to find lat. /long. and conversions can be found in in Part V, section d of the DEEP-WPED-INST-015 .		e) What method was used to obtain your latitude/longitude information?
				Longitude *(Format: -xx.xxxxx)*	Latitude *(Format: xx.xxxxx)*	
EO-1	Pipe	Concrete	her (Please fill in belo 10' x 7' box culvert	-73.042355	41.546951	ezFile Portal Map
EO-2	Pipe	Concrete	her (Please fill in belo 39" RCP	-73.043337	41.547168	ezFile Portal Map
EO-3	Pipe	Concrete	72"	-73.045649	41.549027	ezFile Portal Map

Part V: Stormwater Discharge Information Continued

Table 2

2. Provide the following information about the receiving water(s)/wetland(s) that receive stormwater runoff from your site, either directly or through the storm sewer system:							
Outfall #	**Dates when this outfall will be active:**	**a) To what system or receiving water does your stormwater runoff discharge? either "storm sewer or wetlands" or "waterbody" (If you select storm sewer or wetlands, columns c.1&2 of this table are not required to be completed)**	**b) What is your watershed ID (freshwater) or 305b ID (estuary)? (Section 3.b, of the DEP-GP-INST-015 explains how to find this information)**	**c.1) Is your receiving water identified as an impaired water in the "Impaired Waters Table for Construction Stormwater Discharges"?**	***If you answered yes to question c.1, then answer the question below*** **c.2) Has any Total Maximum Daily Load (TMDL) been approved for your receiving waterbody?**	**For the drainage area associated with each outfall: Effective Impervious Area Before Construction (sq ft)**	**For the drainage area associated with each outfall: Effective Impervious Area After Construction (sq ft)**
EO-1	Start: 1 Apr 2026 End: 31 Oct 2027	Waterbody		☐ Y ☐ N ☑ NA	☐ Y ☐ N ☑ NA	179337	176462
EO-2	Start: 1 Apr 2026 End: 31 Oct 2027	Waterbody		☐ Y ☐ N ☑ NA	☐ Y ☐ N ☑ NA	50704	43952
EO-3	Start: 1 Apr 2026 End: 31 Oct 2027	Waterbody		☐ Y ☐ N ☑ NA	☐ Y ☐ N ☑ NA	147364	117176
	Start: End:	Select One		☐ Y ☐ N ☐ NA	☐ Y ☐ N ☐ NA		
	Start: End:	Select One		☐ Y ☐ N ☐ NA	☐ Y ☐ N ☐ NA		
Provide the total effective impervious area for the entire site(sq ft):						377405	337590

Part V: Stormwater Discharge Information (continued)

Impaired waters: If you answered "yes" to Table 2, question 2.c.1, **verify** that the project's Pollution Control Plan (Plan) addresses the control measures below in Question 1 or 2, as appropriate.

1. **If the impaired water does not have a TMDL,** confirm compliance by selecting 1.a. or 2.b. below:

   a. No more than 3 acres is disturbed at any time; ☐ Yes

   OR

   b. Stormwater runoff from a 2 yr, 24 rain event is **retained.** ☐ Yes

2. **If the impaired water has a TMDL,** confirm compliance by selecting 2.a. and 2.b. below and either question 2.c.1. or 2.c.2. below:

   a. The Plan documents there is sufficient remaining Waste Load Allocations (WLA) in the TMDL for the proposed discharge, ☐ Yes

   AND

   b. Control measures shall be implemented to assure the WLA will not be exceeded, ☐ Yes

   AND

   c. 1. Stormwater discharges will be monitored for the indicator pollutant identified in the TMDL, ☐ Yes

   OR

   2. The Plan documents specific requirements for stormwater discharges specified in the TMDL. ☐ Yes

Part VI: Pollution Control Plan Availability (check one of the following four categories)

☐ I am registering a Locally Exempt project and submitting the required electronic Plan (in Adobe™ PDF or similarly publically available format) pursuant to Section 3(c)(2)(E) of this permit.

- ☐ Plan is attached to this registration form
- ☐ Plan is available at the following Internet Address (URL): _____

☐ I am registering a Locally Approvable project and have chosen not to submit the Plan with this registration pursuant to Section 3(c)(1) of this permit.

☑ I am registering a Locally Approvable project and have chosen to make my Plan electronically available pursuant to Section 4(c)(2)(N) of this permit.

- ☑ Plan is attached to this registration form
- ☐ Plan is available at the following Internet Address (URL): _____

☐ I am registering a Locally exempt project and do not have the capability to submit the Plan electronically. Therefore, I am submitting a paper copy with this registration as Attachment E.

Part VII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

For New Registrants:

"I hereby certify that I am making this certification in connection with a registration under such general permit, submitted to the commissioner by E OF CONNECTICUT DEPARTMENT OF TRANSPORTA for an activity located at 174 Meadow St, Waterbury, CT 06702 and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b) (8) (B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes, as amended by Public Act 12-172. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

For Re-registrants:

"I hereby certify that I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by _____ for an activity located at _____ and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that all designs and plans for such activity meet the current terms and conditions of the general permit in accordance with Section 5(b)(5)(C) of such general permit and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I verify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this verification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and an other applicable law."

Signature of Registrant	
JUDITH NEMECEK	DISTRICT ENGINEER
Name of Registrant (print or type)	Title (if applicable)
Signature of Preparer and Date (if different than above)	
Christopher Mastriano	Senior Highway Engineer
Name of Preparer (print or type)	Title (if applicable)

Part VIII: Professional Engineer (or Landscape Architect, where appropriate) Design Certification (for publically approvable and exempt projects)

The following certification must be signed by a Professional Engineer, or Landscape Architect where appropriate.

"I hereby certify that I am a licensed in the State of Connecticut.
I am making this certification in connection with a registration under such general permit, submitted to the commissioner by STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION for an activity located at 174 Meadow St, Waterbury, CT 06702 .
I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such Plan are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Design Professional and Date	
David Cicia, PE	023439
Name of Professional (print or type)	License Number

Affix P.E/L.A Stamp Here

Part IX: Reviewing Qualified Professional Certification

The following certification must be signed by a) a Conservation District reviewer OR, b) a qualified soil erosion and sediment control and/ or professional engineer

☐ **Review Certification by Conservation District:**

1.) District: _____

Date of Affirmative Determination: _____

" I am making this certification in connection with a registration under General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by _____ for an activity located at _____. I have personally examined and am familiar with the information that provides the basis for this certification, and I affirm, based on the review described in Section 3(b)(11)(C) of this general permit and on the standard of care for such projects, that the Stormwater Pollution Control Plan is adequate to assure that the activity authorized under this general permit will comply with the terms and conditions of such general permit and that all stormwater management systems: (i) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual; (ii) will function properly as designed; (iii) are adequate to ensure compliance with the terms and conditions of this general permit; and (iv) will protect the waters of the state from pollution."

_____

Signature of District Professional and Date

_____ _____

Name of District Professional License Number (if applicable)

Or

☑ **Review Certification by Qualified Professional:**

Company Name: BL COMPANIES, INC.

Name: Michael Fisher

License #: 21170

Level of independency of professional:

Required for all projects disturbing over 1 acre:

1. I verify I am not an employee of the registrant. ☑ Yes

2. I verify I have no ownership interest of any kind in the project for which the registration is being submitted. ☑ Yes

Required for projects with 15 or more acres of site disturbance (in addition to questions 1&2):

3. I verify I did not engage in any activities associated with the preparation, planning, designing or engineering of the soil erosion and sediment control plan or stormwater management systems plan for this registrant.

☐ Yes

4. I verify I am not under the same employ as any person associated with the preparation, planning, designing or engineering of the soil erosion and sediment control plan or stormwater management systems plan for this registrant.

☐ Yes

Part IX: Reviewing Qualified Professional Certification (continued)

"I hereby certify that I am a qualified professional engineer or qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and as further specified in Sections 3(b)(11)(A) and (B) of such general permit. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by ATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATI for an activity located at 174 Meadow St, Waterbury, CT 06702 .
I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(11)(C) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify, based on my review of all information described in Section 3(b)(11)(C) of such general permit and on the standard of care for such projects, that I have made an affirmative determination in accordance with Sections 3(b)(11)(D)(i) and (ii) of this general permit. I understand that this certification is part of a registration submitted in accordance with Section 22a-430b of Connecticut General Statutes, as amended by Public Act 12-172, and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Reviewing Qualified Professional

BL COMPANIES, INC. | 21170

Name of Reviewing Qualified Professional | License No.

Affix P.E./ L.A. Stamp Here

Note: Please submit the fee along with a completed, printed and signed Registration Form and all additional supporting documents to:

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

STORMWATER POLLUTION CONTROL PLAN
SWPCP

Removal of I-84 Eastbound Exit 21 Off-Ramp
Waterbury, CT

State Project No.: 0151-0340
ezFile No. 118796

Connecticut Department of Transportation

August 2025

This Stormwater Pollution Control Plan (SWPCP) is prepared to comply with the requirements for the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and the Connecticut Guidelines for Soil Erosion and Sediment Control (E&S Guidelines) as amended.

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Development & Contents of Plan

The Plan shall consist of site plan drawings and a narrative. The Plan shall be prepared in accordance with sound engineering practices, and shall be consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Connecticut Stormwater Quality Manual, as amended, and any applicable requirements of the General Permit.

Site Description

Site Description

This project consists of the construction of a 0.39-mile long auxiliary lane on Interstate 84 (I-84) Eastbound (EB) from the entrance ramp from Route 8 Northbound to the Exit 22 off-ramp, the removal of the existing I-84 Exit 21 off-ramp and providing both the auxiliary lane drop and an option lane at the Exit 22 off-ramp to provide a two-lane ramp.

The potential presence of the bird species *Falco peregrinus*, peregrine falcon was noted and the determination highlighted that the project boundary is within ½ mile, but farther than 660 feet of the sensitive resource. Best management practices (BMPs) in the form of a time of year restriction and buffer area to protect this species and future contractors have been identified for this project. Between April-July, the contractor should not introduce new work activities and staging areas within 330 feet of active nests that are out of line of sight, or within 660 feet from nests that are in the line of sight of nests.

The potential presence of the Federally Threatened Northern Long-eared Bat (*Myotis septrionalis*) and Tri-Colored Bat (*Perimyotis* subflavus) has been indicated within the project limits. A determination of "no effect" was received from US Fish and Wildlife Service (USFWS), and no further consultation/coordination is required for the project if there are no updates on the northern long-eared bat species.

The project limits are not located within an Aquifer protection area, public water supply or cold water stream watershed. The outfalls do not discharge to a river within the National Wild and Scenic Rivers System.

The purpose of this project is to mitigate observed and future projected freeway congestion in the vicinity of the I-84 EB Exit 21 off-ramp. The Exit 21 off-ramp is being removed due to an unsafe condition due to the proximity of an adjacent on-ramp as well as the Exit 22 off-ramp.

Site work includes traffic evaluation and the implementation of the required improvements to local roadways and intersections that are affected by the Exit 21 off-ramp removal. Local roadway improvements include new traffic signal equipment, reconfigured lane arrangements, improved bicycle and pedestrian facilities, improved transit facilities and lighting installation and improvements. The local roadway network evaluated for this project extends from Liberty Street to the south and Grand Street to the north and extends from Meadow Street/Bank Street to the west and South Main Street to the east. An infiltration basin is also proposed within the infield between

Meadow Street, I-84 on-ramp and the removed off-ramp.

Existing closed drainage systems outlet to the Naugatuck River, which is listed as an impaired waterbody. The impaired designated use is a habitat for fish, other aquatic life and wildlife. The cause is listed as unknown.

Existing Outlet 1 (EO-1) is the end section of a 10' wide by 7' tall box culvert. This box culvert outlets into the Naugatuck River along West Liberty Street. The outlet was visible from Bank Street and appears to be in good condition. Various closed drainage systems feed into the box culvert throughout the City of Waterbury. Within our project limits drainage areas along West Liberty Street and South Main Street contribute to this outlet.

Existing Outlet 2 (EO-2) is labeled as a 39" RCP that outlets into the Naugatuck River near the intersection of Bank Street and West Liberty Street. The outlet was visible from Bank Street and appears to be in good condition. Approximately 56,050 square feet of pavement drain to EO-2 in the existing condition, which is reduced to approximately 54,300 square feet in the proposed condition. It is important to note that this area consists of pavement within the project limits, and that additional area likely drains to EO-2 as well.

Existing Outlet 3 (EO-3) is assumed to be a 72" RCP that outlets into the Naugatuck River West of Bank Street. Survey within the project limits implies that a 72" RCP runs from the intersection of Bank Street and Meadow Street along the Amtrak railroad tracks just west of the project limits, however, this outlet was not able to be found during site investigations. Approximately 74,300 square feet of pavement drain to EO-3 in the existing condition, which is reduced to approximately 51,100 square feet in the proposed condition. It is important to note that this area consists of pavement within the project limits, and that additional area likely drains to EO-3 as well.

Estimated Disturbed Area and Runoff Coefficient

The total area for this project site is 12.67 acres. Of this area, 8.40 acres will be disturbed by construction activities regardless of phasing.

The runoff coefficients assumed are 0.9 for pavement areas and 0.3 for pervious or grass areas. The weighted runoff coefficient for the project area has been reduced from 0.71 to 0.66.

Pre-Construction

$$\frac{(4.01 \text{ ac. x } 0.3)+(8.66 \text{ ac. x } 0.9)}{12.67 \text{ ac.}} = 0.71$$

Post-Construction

$$\frac{(4.92 \text{ ac. x } 0.3)+(7.75 \text{ ac. x } 0.9)}{12.67 \text{ ac.}} = 0.66$$

Receiving Waters

The name of the receiving water is Naugatuck River, which drains to the Housatonic River.

Extent of Wetlands on Site

No delineated State or Federal wetlands have been identified along the project limits.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), the project limits are located within the 500-year Floodplain associated with the Naugatuck River.

Construction Sequencing

The Contractor will be given approximately nineteen months for the construction of all phases of the project, which shall be revised as necessary to keep the Plan current.

The suggested sequence of construction is as follows:

1. Conduct a preconstruction meeting.
2. Verify the surveyed staked-out limits of the project and clearly identify the limits of disturbance (LOD).
3. Install erosion and sedimentation controls where soil will be exposed or susceptible to erosion (e.g., effected inlet/outlets, disturbed slopes, toe of slopes, etc.).
4. Conduct the plan implementation inspection.
5. Install permanent stormwater control measures (infiltration basin) in the early phase of construction.
6. Perform clearing and grubbing activities.
7. Apply temporary stabilization measures for disturbed areas in accordance with Temporary Stabilization Practices.
8. Install parapet on I-84 Eastbound in the vicinity of Exit 21.
9. Demolish the existing Exit 21 ramp and piers.
10. Excavate Meadow Street in the vicinity of reconstruction to the bottom of subgrade.
11. Install subgrade.
12. Install subbase.
13. Install final pavement.
14. Install traffic signals at all local intersections.
15. Mill and overlay existing local roadways.
16. Stabilize the disturbed areas. Establish with appropriate seeding mixture per typical sections, on all remaining disturbed areas. Install landscaping.
17. Remove erosion and sedimentation controls when it has been determined that the disturbed areas have been stabilized. (This determination will be made by the Qualified Inspector).
18. All post-construction stormwater structures shall be cleaned of construction sediment and any remaining sediment control systems (SCS) shall be removed prior to the filing of the "Notice of Termination Form: Non-Solar Projects."
19. Ensure the project area is cleaned, free of debris, and catch basins have been cleaned, etc.

The requirement for sediment traps or basins shall not apply to flows from off-site areas and flows from areas of the site that are either undisturbed or have undergone final stabilization.

If the areas of disturbance have a contributing drainage area that contains 2-5 acres of disturbed soils per discharge point, a temporary sedimentation trap must be provided. The Contractor must submit to the Qualified Inspector a revised SWPCP for review and approval.

If the areas of disturbance have a contributing drainage area that contains greater than five acres of disturbed soils per discharge point, a temporary engineered sedimentation basin must be provided.

The Contractor must submit to the Qualified Inspector a revised SWPCP for review and approval. The SWPCP must include locations of the temporary engineered sedimentation basin designed and installed in accordance with the E&S Guidelines, as amended. The Contractor shall provide an inspection and maintenance plan for the engineered sedimentation basin as part for the amended SWPCP.

Control Measures

The existing curb along portions of Meadow Street and the I-84 EB on ramp is to be removed to allow for the natural dispersion of 0.49 acres of surface water. Additionally, this surface water will be treated through the installation of a infiltration basin in the infield area between Meadow Street and the I-84 EB Exit 21 off-ramp that is to be removed.

Impaired Waters

The segment of the Naugatuck River beginning at the confluence with Hopeville Pond Brook to the confluence with Steele Brook is listed on the impaired waters for Connecticut. The impaired designated use is Habitat for Fish, Other Aquatic Life and Wildlife, while the cause is listed as unknown. The existing discharges into the Naugatuck River adjacent to the project limits are to be maintained. There is no temporary disruption anticipated.

There is no new discharge to the Naugatuck River as a result of this project.

Erosion and Sedimentation Controls

The Department of Transportation (Department) will have a Qualified Inspector assigned to the project to oversee the Contractor's operations and to ensure compliance with the provisions of the Contract. Further Department oversight is provided by the District 4 Environmental Coordinator and the Office of Environmental Planning.

The following timelines will be followed for the proposed construction activities:

- The Contractor shall stabilize disturbed areas with temporary or permanent measures as quickly as possible after the land is disturbed.

- Areas that remain disturbed but inactive for at least 14 days shall receive temporary seeding or soil protection within seven (7) days.

- Areas that will be disturbed past the planting season will be covered with a long-term, non-vegetative stabilization method that will provide protection through the winter.

- If construction activities are completed to final grade, permanent stabilization measures shall take place within seven (7) days.

The Department projects are required to have Preconstruction Meetings with the Contractor. The Contractor is required to review and understand the Contract Plans and Specifications as well as to develop an E&S Plan for review and approval by the Engineer. The Contractor's E&S plan shall

demonstrate compliance with the Stormwater Permit requirement for a double row of sediment control barriers at all disturbed locations.

Double Row of Erosion and Sediment Control Barriers

- A double row of sediment control barrier shall be utilized between any disturbed area and downgradient wetland or watercourse within 50 feet, unless there would be an adverse impact to adjacent wetlands/watercourses due to installation of a double row (i.e., would result in larger wetland/watercourse impact.)
- Additional erosion control barriers (double row of SCS) may also be required within the project area. Factors to be reviewed by the Engineer include but are not limited to: the contributing disturbed area, drainage area, slope, length of slope, and flow conditions to maintain sheet flow. If determined necessary, the Engineer will direct the Contractor to install and maintain additional rows of erosion control barrier (or equivalent).

Soil Stabilization and Protection

All control measures required will be installed prior to commencement of Project construction activities. Erosion and sedimentation controls will be inspected at least weekly, immediately after each rainfall event of at least 0.1 inch, and daily during periods of prolonged rainfall. All erosion and sedimentation control devices will be maintained in a functional condition, in accordance with the Contract plans, relevant permits, Special Provisions, and Connecticut Guidelines for Soil Erosion and Sediment Control.

Vegetation should be preserved to the maximum extent possible, and any disturbed portions of the site shall be minimized and stabilized throughout the duration of the construction activity at the site.

Temporary Stabilization Practices

Temporary or permanent vegetation or other ground cover shall be maintained at all times in all areas of the site, except those undergoing active disturbance.

- Erosion Control Matting: On slopes steeper than 2:1 erosion control matting shall be used to stabilize the topsoil or as necessary and directed by the Qualified Inspector. ECM type shall be disclosed and selected from the Department's Qualified Products List, as amended.

- Sedimentation Control System (SCS): SCS shall be placed at the toe of the slope or as directed by the Qualified Inspector.

- Anti-Tracking Pads: Construction entrances (gravel anti-tracking pads) shall be constructed at truck access/exit points to off-road route. Access road(s) should grade away from the main roadway or waterbody.

- Dust Control: Routine sweeping and application of dust suppression agents, including but not limited to, water and calcium chloride, over exposed subbase shall be completed for dust control. Additional measures may be necessary to minimize dust within the project limits and within staging and stockpile areas.

- Temporary Seeding: Areas that will remain disturbed but inactive for at least 14 calendar days shall receive temporary seeding or soil protection within 7 days.

- Impaired Waters: For those areas for which construction activity will be temporarily suspended for a period of greater than 14 days, temporary stabilization measures shall be implemented within 3 days of such suspension of activity.

- Catch Basin Inlet Protection: Catch basin inlet protection shall be used to reduce the amount of sediment entering the storm drainage system during construction.

Stabilization practices shall be implemented after completion, as final grades are reached, within seven (7) days.

Temporary seeding shall be spread over any disturbed areas which will remain inactive for at least 14 days. Areas to remain disturbed through winter shall be protected with non-vegetative stabilization measures. The Contractor must provide an Erosion and Sedimentation Control plan for each winter season during construction operations.

The Contractor may elect to utilize other controls in conformance with the E&S Guidelines as amended, as approved by the Qualified Inspector. The Contractor will be required to provide the necessary details for any erosion controls not specifically called for on the project plans.

During construction, all areas disturbed by the construction activity that have not been stabilized, structural control measures, and locations where vehicles enter or exit the site shall be inspected at least once a week and within 24 hours of the end of a storm that generates a discharge. For storms that end on a weekend, holiday, or other time in which normal working hours will not commence within 24 hours, an inspection is required within 24 hours following any storm in which 0.5 inches or greater of rain occurs. For lesser storms, inspection shall occur immediately upon the start of subsequent normal working hours.

Permanent Stabilization Practices

During construction, the following methods of permanent stabilization shall be installed:

- Topsoiling: Once final grades have been established, topsoil shall be applied to provide a suitable growth medium for vegetation, if required.

- Permanent Stabilization: Once soils have been brought to final grade; permanent stabilization shall be used to stabilize the soil with a vegetative cover or, with crushed stone for slope protection or riprap, shall be applied, if required. Disturbed areas below the wetland limit shall be seeded with the appropriate seed mix. The Qualified Inspector will verify compliance with this requirement on the Notice of Termination Form: Non-Solar Projects.

- Landscaping: Wood chip mulch shall be placed around the plants. Plantings (trees, shrubs, etc.) and permanent seeding may be established together. Wood chip mulch shall NOT be utilized in wetland areas.

All new embankments and unpaved areas that are graded or disturbed by construction will receive erosion control matting, topsoil and/or seed establishment. The Contractor may use other permanent stabilization practices that have been accepted by the Qualified Inspector or CTDOT that are in conformance to the E&S Guidelines.

Tree pits are proposed in locations on South Main Street where the proposed sidewalk is wide enough to maintain a 5' min. width path behind the tree pit. Additionally, plantings will be provided along Meadow between vehicular traffic and the proposed cycle track, as well as in the infield area between Meadow Street and the existing I-84 EB Exit 21 off-ramp.

Structural Measures

The following structural measures shall be used to divert flows, limit runoff, and minimize the discharge of pollutants:

- Minimal Curbing: Curbing shall be avoided wherever possible to maximize overland sheet flow and encourage infiltration. Over 500 lf of curbing on Meadow Street was removed to allow for the natural dispersion of approximately 0.49 acres of surface runoff.

Maintenance

All construction activities and related activities shall conform to the requirements of Section 1.10 "Environmental Compliance" of the Department's Standard Specifications. In general, all construction activities shall proceed in such a manner so as not to pollute any wetlands, watercourses, water body, and conduit carrying stormwater. The Contractor shall limit, in so far as possible, the surface area of earthen materials exposed by construction activity and immediately provide temporary and permanent pollution control to prevent soil erosion and contamination on the site. Water pollution control provisions and Required Best Management Practices per Section 1.10, Environmental Compliance of the Standard Specifications shall be administered during construction. Control measures shall be inspected and maintained in accordance with the E&S Guidelines and as directed by the Qualified Inspector.

Dewatering Wastewaters

Dewatering Guidelines

When dewatering is necessary, pumps used shall not be allowed to discharge directly into a wetland, watercourse, or stormwater drainage system. Prior to any dewatering, the Contractor must submit to the Engineer a written proposal for specific methods and devices to be used on site. Written approval must be obtained from the Engineer for methods and devices, including, but not limited to, the pumping of water into a temporary sedimentation basin, providing surge protection at the inlet or outlet of pumps, floating the intake of a pump, or any other method for minimizing and retaining the suspended solids. If the Qualified Inspector determines that a pumping operation is causing turbidity problems, the Contractor shall halt said operation until a means of controlling the turbidity is submitted by the Contractor in writing to the Engineer. Once written acceptance is received from the Engineer with the concurrence of CTDOT, the Contractor may implement the turbidity control measures.

No discharge of dewatering wastewater shall contain or cause a visible oil sheen, floating solids or foaming in the receiving water. If required, all activities are to be performed in compliance with the Department's Standard Specifications.

Post-Construction Stormwater Management

- Minimal Curbing: Curbing is being removed along Meadow Street to maximize overland sheet flow and encourage infiltration.

- Catch Basins: Catch basins are being used, especially adjacent to outlets, to intercept pollutants and debris.

- MS4 Measures: Natural Dispersion is used within existing fill areas at Meadow Street to filter and infiltrate sheet flows from the roadway. An infiltration Basin is proposed along Meadow Street infield area to retain a portion of the stormwater runoff from the surrounding areas.

Post-Construction Guidelines

After the project is complete, the Department will perform the following maintenance and restorative measures:

- Litter/debris and sweepings will be removed from the site, as needed.
- Mowing and maintenance of the seeded areas and vegetated areas will occur, as needed.
- Riprap outlet protection will be inspected and cleaned, as needed.
- Stormwater drainage system will be cleaned of sediment/debris, as needed.
- Identify, inspect, and maintain all stormwater quality BMPs included within the project, as per the MS4 or manufacturer recommendations.

Post Construction Performance Standards and Control Measure

Redevelopment:

The project is located in an urban environment, consisting of curbed streets and buildings or private property abutting existing sidewalk. On several of the urban streets, namely West Liberty Street and South Main Street, there is no available area to install BMPs, so the existing curbed roadways and closed drainage will remain. The reconstruction of Meadow Street allows for contribution to the WQV design goal. Existing curb along the eastern side of Meadow street and northern/southern sides of the I-84 EB on ramp will be removed to allow for natural dispersion of surface water. Additionally, an infiltration basin is proposed in the infield area between Meadow Street and the removed I-84 EB Exit 21 off-ramp to aid in retaining the surrounding stormwater runoff. Due to the fact that most DCIA is located on local streets where the installation of BMPs is not practical, the WQV goal is not met, however, the treatment of Meadow Street was designed to the maximum extent practical through the removal of curb and installation of a infiltration basin.

In order to comply with the Department's MS4 Permit requirements. projects shall seek to reduce the effective impervious cover (as defined in the Construction Stormwater General Permit effective 12/31/20; modification date 11/25/22 Permit) to the maximum extent practicable.

Impervious cover is any impervious surface that cannon effectively absorb and infiltrate rainfall. Total impervious cover is determined by calculating the percent impervious area in a specific location. The total impervious cover for the project area is calculated below:

$$\text{Total Impervious Area} = \frac{\text{Impervious Cover}}{\text{Total Project Area}}$$

$$\text{Total Impervious Area} = \frac{8.66}{12.67}$$

$$\text{Total Impervious Area} = 68.4\%$$

The existing area of impervious cover is approximately 8.66 acres, while the post-construction area of impervious cover is approximately 7.75 acres. This results in a reduction in impervious cover of approximately 0.91 acres.

The Water Quality Volume (WQV) design goal was calculated as follows:

$$\text{WQV} = \frac{(1.3\text{in})(\text{R})(\text{A})}{12}$$

$$\text{R} = 0.05 + \big(0.009(\text{I})\big)$$

$$\text{R} = 0.05 + (0.009 * 61.15)$$

$$\text{R} = 0.05 + 0.550$$

$$\text{R} = 0.600$$

$$\text{WQV} = \frac{(1.3\text{in})(0.600)(12.67)}{12}$$

$$\text{WQV} = 0.824 \text{ ac-ft}$$

$$\tfrac{1}{2}\text{WQV} = 0.412 \text{ ac-ft}$$

The project site consists of existing curbed roadways and sidewalks that drain towards the road. The site consists of a pre-construction impervious cover of 68.4% and a post-construction impervious cover of 61.2%. The design goal is to retain on-site half the water quality volume for the site.

Retention of half the water quality volume cannot be achieved due to site limitations. Many of the existing roadways are curbed with buildings or private properties directly adjacent to the sidewalks, significantly reducing the amount of area available to install BMPs. Meadow Street is the only roadway with an area available for BMPs. Infiltration basin proposed within the eastern infield area of Meadow Street and the removed Exit 21 off-ramp. As a result, only 0.032 acres of treatment and 0.155 acres of retention is provided.

Despite the site constraints, the proposed design includes runoff reduction, LID, suspended solids and floatable removal practices which are described in the following sections.

Runoff Reduction and LID Practices

The following LID practices have been incorporated into the project to minimize stormwater runoff:

- Runoff from portions of existing impervious pavement at Meadow Street will sheet flow into a infiltration basin, which will promote infiltration.

Suspended Solids and Floatable Removal

This project consists mostly of sidewalk replacement and milling and overlaying of existing roadways, so there is little opportunity to construct stormwater treatment measures. Although these is limited area to construct stormwater treatment, the proposed design addresses stormwater quality using the following methods:

- Standard two-foot sumps for each proposed catch basin will be provided to remove initial suspended solids.
- Runoff from a portion of Meadow Street will sheet flow into a infiltration basin, which is pretreated with a sediment forebay that will promote the settlement of suspended solids and filtering of pollutants. Then approximately 5300 cubic feet of retention is provided by the basin.

Velocity Dissapation

This Outlet protection is not proposed for outlets within the project limits as all outlets are within the floodway of the Naugatuck River. Visual inspection of each outlet was conducted and there are no signs of erosion in the existing condition.

Other Controls (Non-Structural)

Waste Disposal

Construction site waste shall be properly managed and disposed of during the entire construction period.

The following is applicable:

- A waste collection area will be designated. The selected area will minimize truck travel through the site and will not drain directly to the adjacent wetlands.
- Waste collection shall be scheduled regularly to prevent the containers from overfilling.
- Spills shall be cleaned up immediately.
- Defective containers that may cause leaks or spills will be identified through regular inspection. Any found to be defective will be repaired or replaced immediately.
- Any stockpiling of materials should be confined to the designated area as approved by the Qualified Inspector.

Washout Areas

Washout of applicators, containers, vehicles, and equipment for concrete shall be conducted in a designated washout area. No surface discharge of washout wastewaters from the area will be allowed. All concrete wash water will be directed into a container or pit such that no overflows can occur. Washout shall be conducted in an entirely self-contained system and will be clearly designed and flagged or signed where necessary. The washout area shall be located outside of any buffers and at least 50 feet from any stream, wetland or other sensitive water or natural resources

as determined or designated by the Department's Office of Environmental Planning or the project's Qualified Inspector.

Washout Area(s) will be site located by the Contractor, approved by the Qualified Inspector and the SWPCP revised, as appropriate. The "Concrete Washout Area" detail shows the recommended method of construction for the washout area. The designated area shall be designed and maintained such that no overflows can occur during rainfall or after snowmelt.

Anti-tracking Pads and Dust Control

(Form 819- Sections 2.11, 9.39, 9.42, and 9.43)

Off –site vehicle tracking of sediments and the generation of dust shall be minimized. Temporary anti-tracking pads from the active work site to the existing pavement will be installed and maintained at the locations shown on the plans.

The Contractor shall:

- Maintain the entrance in a condition which will prevent tracking and washing of sediment onto paved surfaces.
- Provide periodic top dressing with additional stone or additional length as conditions demand.
- Repair any measures used to trap sediment, as needed.
- Immediately remove all sediment spilled, dropped, washed, or tracked onto paved surfaces.
- Ensure roads adjacent to a construction site are left clean at the end of each day.

If the construction entrance is being properly maintained and the action of a vehicle traveling over the stone pad is not sufficient to remove the majority of the sediment, then the contractor shall either:

- Increase the length of the construction entrance,
- Modify the construction access road surface, or
- Install washing racks and associated settling area or similar devices before the vehicle enters a paved surface.

For construction activities which cause airborne particulates, wet dust suppression shall be utilized. Construction site dust will be controlled by sprinkling the ground surface with water until it is moist on an as-needed basis. The volume of water sprayed shall be such that it suppresses dust yet also prevents the runoff of water.

Maintaining and Storing Vehicles and Equipment- Storage of Chemicals & Petroleum Products

The Contractor shall take measures to prevent any contamination to wetlands and watercourses while maintaining and storing construction equipment on the site. All chemical and petroleum containers stored on site shall be provided with impermeable containment which will hold at least 110% of the volume of the largest container, or 10% of the total volume of all containers in the area, whichever is larger, without overflow from the containment area. All chemicals and their

containers shall be stored under a roofed area except for those stored in containers of 100-gallon capacity or more, in which case double-walled tanks will suffice. Accumulation of rainwater within secondary containment must be visually inspected for sheen prior to being discharged. If any sheen is identified; the accumulated water must be removed by the Contractor to an appropriate off-site location.

Cold Water Stream Habitat

This project is not located nearby a Cold Water Stream Habitat.

Inspections

The Qualified Inspector will conduct site inspections once a week or after any rain event of 0.1 inches or greater during normal working hours. The Qualified Inspector conducting inspections shall fill out a Construction Site Environmental Inspection Report (CSEIR) for each inspection described below.

Each report shall be retained as a part of the SWPCP and shall be uploaded to the COMPASS Environmental subfolder available for CTDEEP request. The report shall include a statement that, in the judgment of the Qualified Inspector(s) conducting the site inspection, the site is either in compliance or out of compliance with the terms and conditions of the Plan and permit. If the site inspection indicates that the site is out of compliance, the inspection report shall include a summary of the remedial actions required to bring the site back into compliance, review Keeping Plans Current.

Plan Implementation Inspections

For each phase of construction, the site shall be inspected at least once within the first 30 days of construction activity and at least three times, with 7 or more days between inspections, within the first 90 days of construction activity to confirm compliance and proper initial implementation of all control measures.

Routine Inspections

The Permittee will maintain a rain gauge on-site to document rainfall amounts. During construction, all areas disturbed by the construction activity that have not been stabilized, all erosion and sediment control measures, structural control measures, soil stockpile areas, washout areas, and locations where vehicles enter or exit the site shall be inspected for evidence of or the potential for pollutant entering the drainage systems and impacts to the receiving waters at least every seven (7) calendar days and within 24 hours of the end of a storm that generates a discharge.

For storms that end on a weekend, holiday, or other time in which normal working hours will not commence within 24 hours, an inspection is required within 24 hours following any storm in which 0.5 inches or greater of rain occurs. For lesser storms, inspection shall occur immediately upon the start of subsequent normal working hours.

Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least weekly until final stabilization has been achieved.

Qualified Inspectors provided by the Department's District ***4*** Office shall conduct inspections.

The following items shall be inspected as described below:

Item	Procedure
Sedimentation Control System (SCS)	The SCS shall be inspected to ensure that the fence line is intact with no breaks or tears. The fence shall be firmly anchored to the ground. Areas where the fence is excessively sagging or where support posts are broken or uprooted shall be noted. Depth of sediment behind the fence shall be noted if sediment needs to be removed.
Concrete Washout Area	Containers or pits shall be inspected at least once a week to ensure structural integrity, adequate holding capacity and will be repaired prior to future use if leaks are present. The contractor shall remove hardened concrete waste when it accumulates to a height of ½ of the container or pit or as necessary to avoid overflows. All concrete waste shall be disposed of in a manner consistent with all applicable laws, regulations and guidelines.
Catch Basin Protection	Protective measures shall be inspected to ensure that sediment is not entering the catch basins. Catch basin sumps shall be monitored for sediment deposition.
Erosion Control Matting	Inspect erosion control matting and repair any dislodged or failed blankets immediately. Replace any washed out seed or topsoil.
Anti-tracking Pad	Locations where vehicles enter or exit the site shall be inspected for evidence of off-site tracking.
Dust Control	Measures shall be taken for the purpose of allaying (diminishing) dust conditions. Measures may include the use of sweeping equipment and/or the application of water or calcium chloride.
General	Construction areas and the perimeter of the site shall be inspected for any evidence of debris that may blow or wash off-site or that has blown or washed off site. Construction areas shall be inspected for any spills or unsafe storage of materials that could pollute off site waters.

Post-Construction Inspection

Upon completion of construction activities and stabilization of the site, all post-construction stormwater structures, including the infiltration basin, shall be cleaned of construction sediment or debris and the site inspected to confirm compliance with all post-construction stormwater management requirements. Sediment shall be properly disposed of in accordance with all applicable laws, regulations, and guidelines. Any remaining sediment control system(s) SCS shall be removed prior to acceptance of the project by the Department.

Final Stabilization Inspection

Once CTDOT has made a determination that the site has achieved final stabilization, the site shall be inspected, and photo documented by the District Environmental Coordinator (DEC) to confirm that no active erosion or sedimentation is present and site stabilization has been maintained.

Final stabilization is achieved when a full growing season is completed. A **full growing season** is defined as the timeframe encompassed by **two consecutive full seeding seasons**: April 1 through June 15, and August 15 through October 1. If final stabilization is achieved during a seeding season, the following seeding season will be considered the first full seeding season after final stabilization has been achieved, the DEC will verify compliance with this requirement on the Notice of Termination: Non-Solar Projects.

Keeping Plans Current

Revisions to Stormwater Pollution Control Plans

The Department will amend the Plan if the actions required by the Plan fail to prevent pollution or otherwise comply with provisions of the General Permit. The Plan shall also be amended whenever there is a change in contractors or sub-contractors at the site, or a change in design, construction, operation, or maintenance at the site which has not otherwise been addressed in the plan.

If the results of the inspections require modifications to the Stormwater Pollution Control Plan, the plans shall be revised as soon as practicable after the inspection. Such modifications shall provide for a timely implementation of any changes to non-engineered controls on the site within 24 hours and implementation of any changes to the plan within 3 (three) calendar days following the inspection. For Engineered measures, corrective actions shall be implemented on site within 7 (seven) days and incorporated into a revised Plan within 10 (ten) days of the date of inspection.

In no event shall the requirements to keep the Plan current or update a Plan, relieve the permittee and their contactor(s) of the responsibility to properly implement any actions required to protect the waters of the State and to comply with all conditions of the General Permit.

Contractors

General

This section shall identify all Contractors and Subcontractors who will perform on site actions which may reasonably be expected to cause or have the potential to cause pollution of the waters of the State.

Certification Statement

All contractors and subcontractors must sign the attached statement. All certifications will be included in the Stormwater Pollution Control Plan.

State Project No. 0151-0340

Removal of I-84 Eastbound Exit 21 Off-Ramp
Waterbury, CT

"I certify under penalty of law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as Contractor on the project, I am covered by this General Permit, and must comply with the terms and conditions of this permit, including, but not limited to, the requirements of the Stormwater Pollution Control Plan prepared for this project."

GENERAL CONTRACTOR

Signed:_____ Date:_____

Title:_____

Firm: _____ Telephone: _____

Address: _____

_____

SUBCONTRACTOR

Signed: _____ Date:_____

Title:_____

Firm:_____ Telephone:_____

Address:_____

General:

This Stormwater Pollution Control Plan (SWPCP) is prepared to comply with the requirements for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. Also, to be considered part of the SWPCP are the proposed construction plans, special provisions, and the Connecticut Department of Transportation's "Standard Specifications for Roads, Bridges and Incidental Construction" (Form 819) including supplements thereto and the Connecticut Guidelines for Erosion and Sediment Control (E&S Guidelines) and Stormwater Quality Manual (SWQ Manual), as amended.

List of Applicable Figures / Plans:

Appendix A – Figures

- Location Plan
- Disturbed Erodible Areas
- Pre Site Drainage Patterns
- Post Site Drainage Patterns

Appendix B – Drainage Calculations

- Water Quality Computations

Appendix C – Plan Sheets

- General Notes
- Site Plan
- Drainage Plan
- Sedimentation and Erosion Control
- Grading Plan
- Landscape Plan
- Applicable Stormwater details
    - Concrete Washout
    - Sediment Control
    - Anti-Tracking Pad
    - Infiltration Basin

Appendix D- CTDOT MS4 Project Design Maximum Extent Practicable Worksheet

Appendix E- Construction Site Environmental Inspection Report (CSEIR)

- CSEIR Form

Appendix F – Notice of Termination Form: Non-Solar Projects

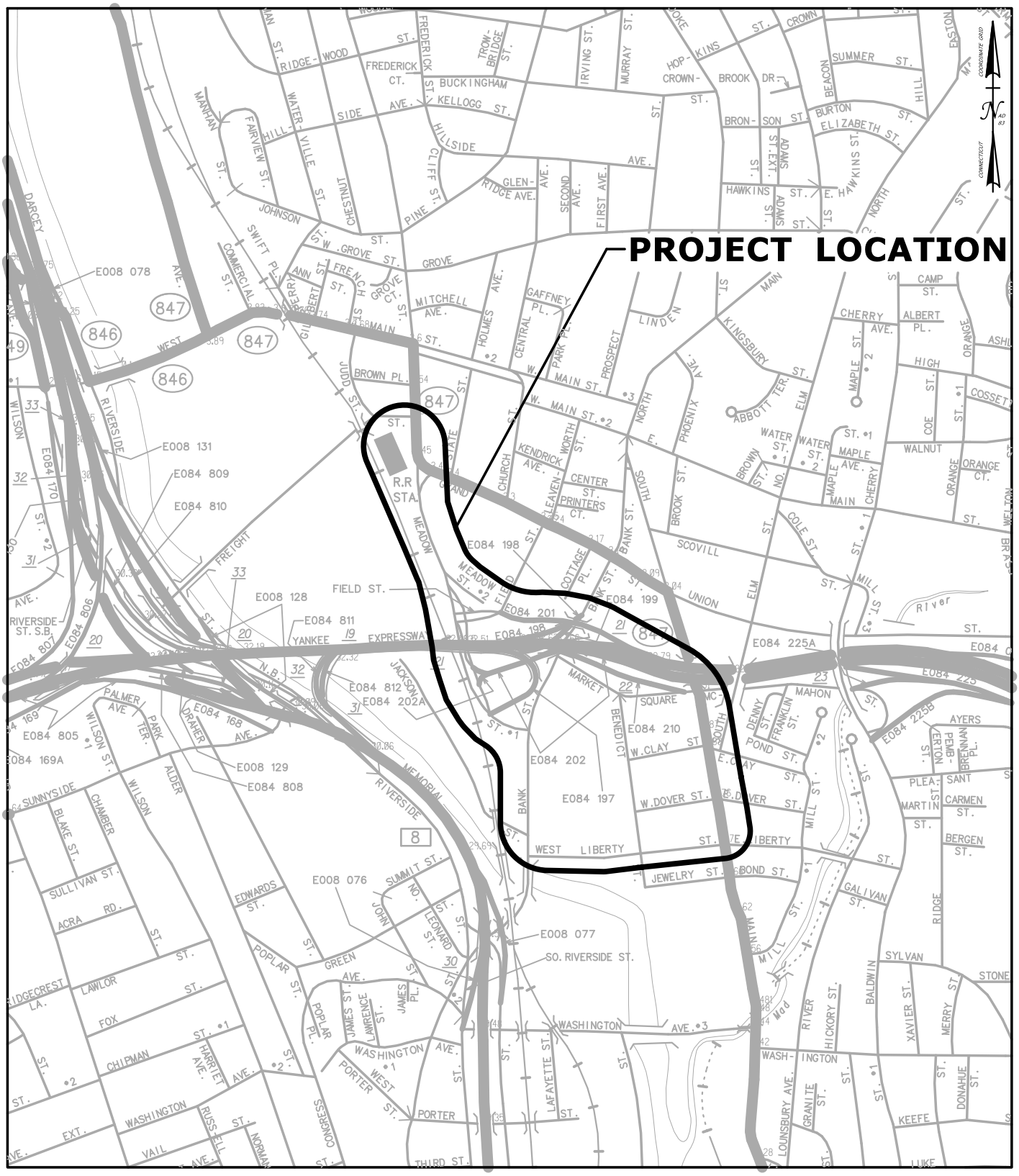
- General Permit for the Discharge of Stormwater & Dewatering Wastewaters from Construction Activities – Notice of Termination Form

State Project No.:0151-0340
Removal of I-84 Eastbound Exit 21 Off-Ramp
Waterbury, CT

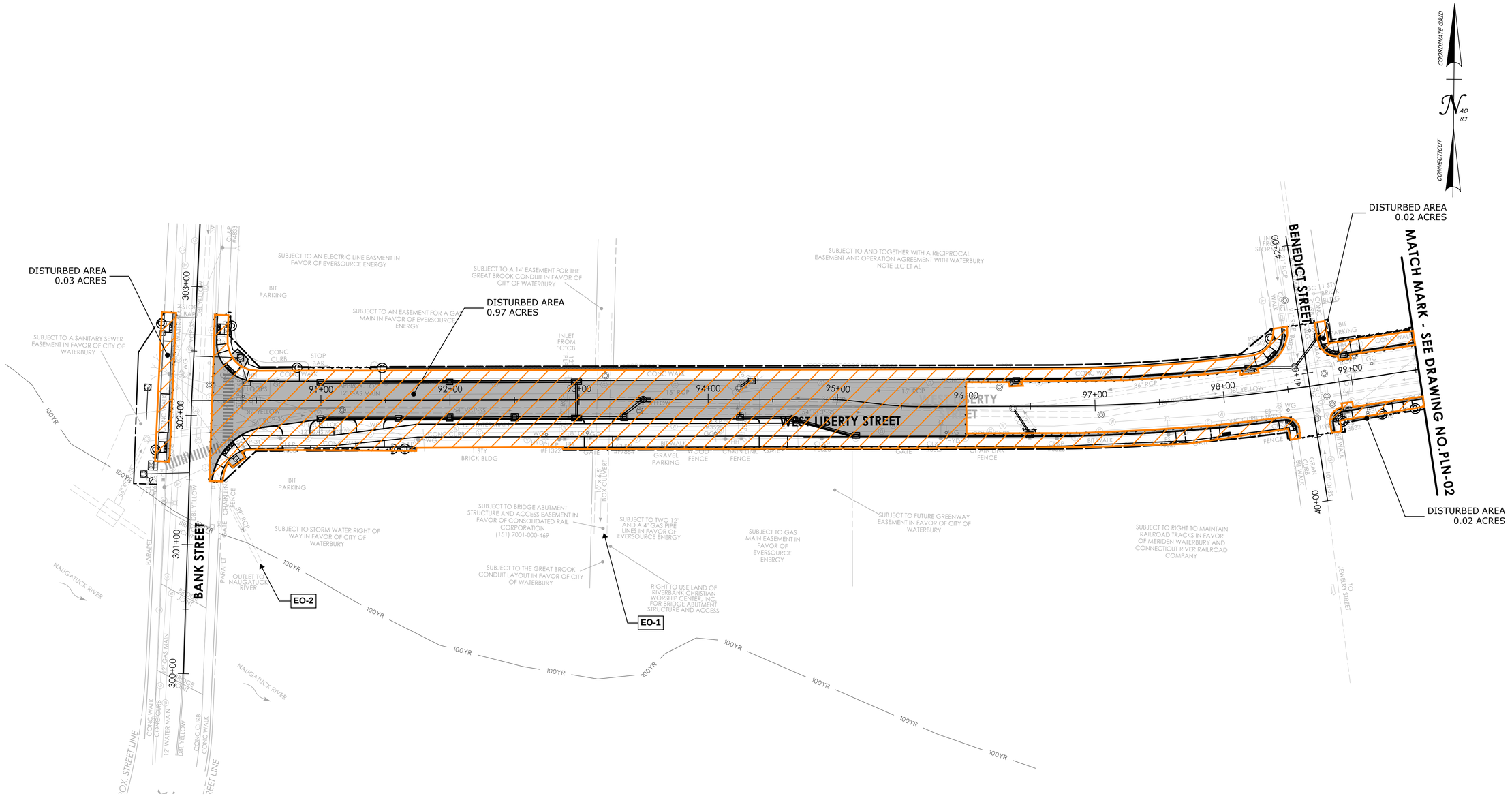
Stormwater Pollution Control Plan

Appendix A
Figures

Connecticut Department of Transportation



STATE PROJECT NO.:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	OFFICE OF ENGINEERING	DATE:
0151-0340 CITY/TOWN: WATERBURY	PROJECT LOCATION PLAN		APRIL 2022



	DISTURBED AREA (ACRES)
☑	1.04

FIGURE 2
DISTURBED ERODIBLE AREAS

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: BCT CHECKED BY: DJP

0 40' 80'
HORIZONTAL SCALE
1" = 40'

SIGNATURE/
BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0151-0340
PROJECT DESCRIPTION: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
TOWN(S): WATERBURY
DRAWING TITLE: PLAN

DRAWING NO. PLN-01
SHEET NO.

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PLOTTED DATE: 7/3/2025

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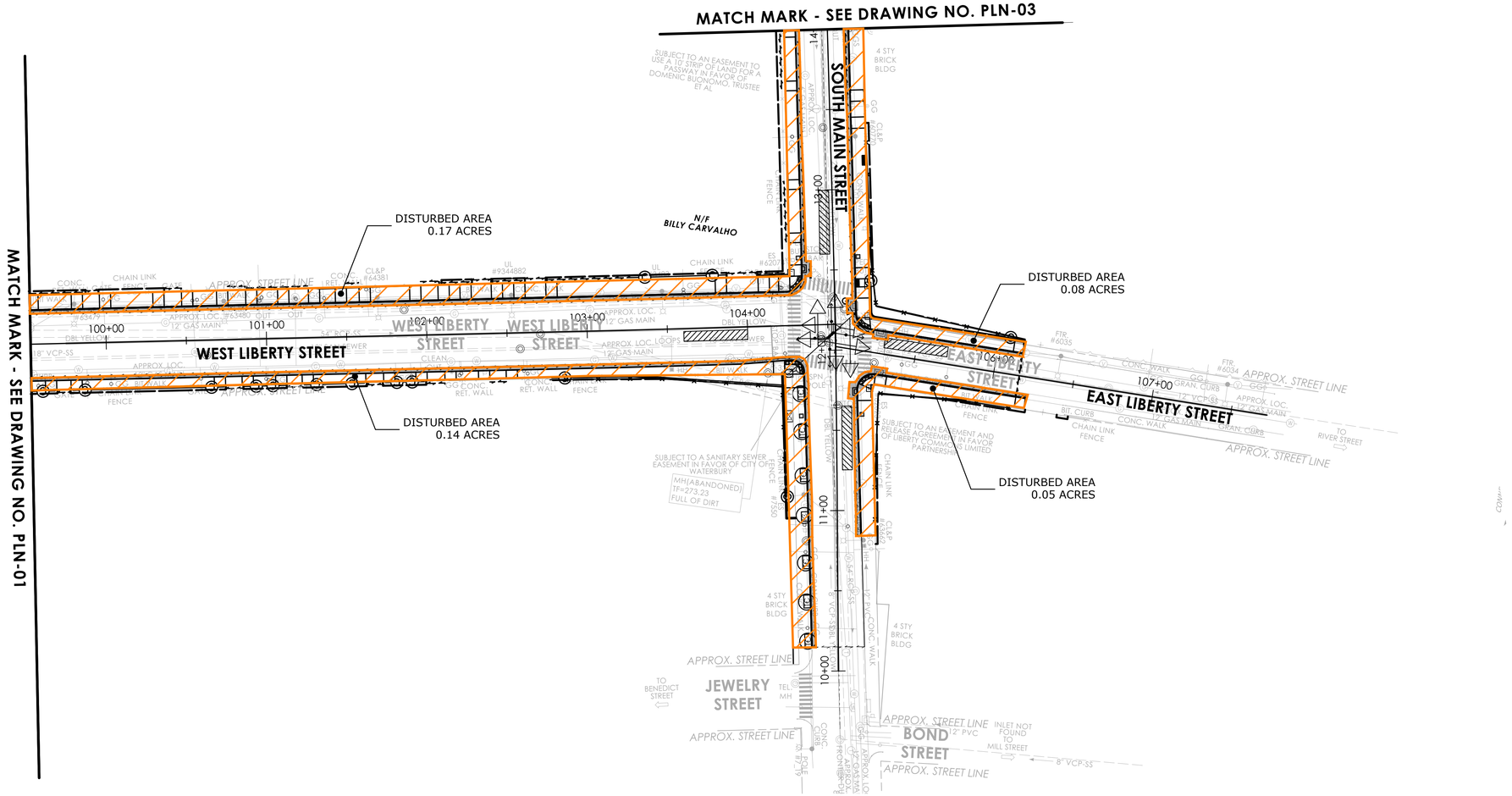

	DISTURBED AREA (ACRES)
☑	0.43

FIGURE 2
DISTURBED ERODIBLE AREAS

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: BCT CHECKED BY: DJP

0 40' 80'
HORIZONTAL SCALE 1" = 40'

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0151-0340
PROJECT DESCRIPTION: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
TOWN(S): WATERBURY
DRAWING TITLE: PLAN

DRAWING NO. PLN-02
SHEET NO.

0151-0340
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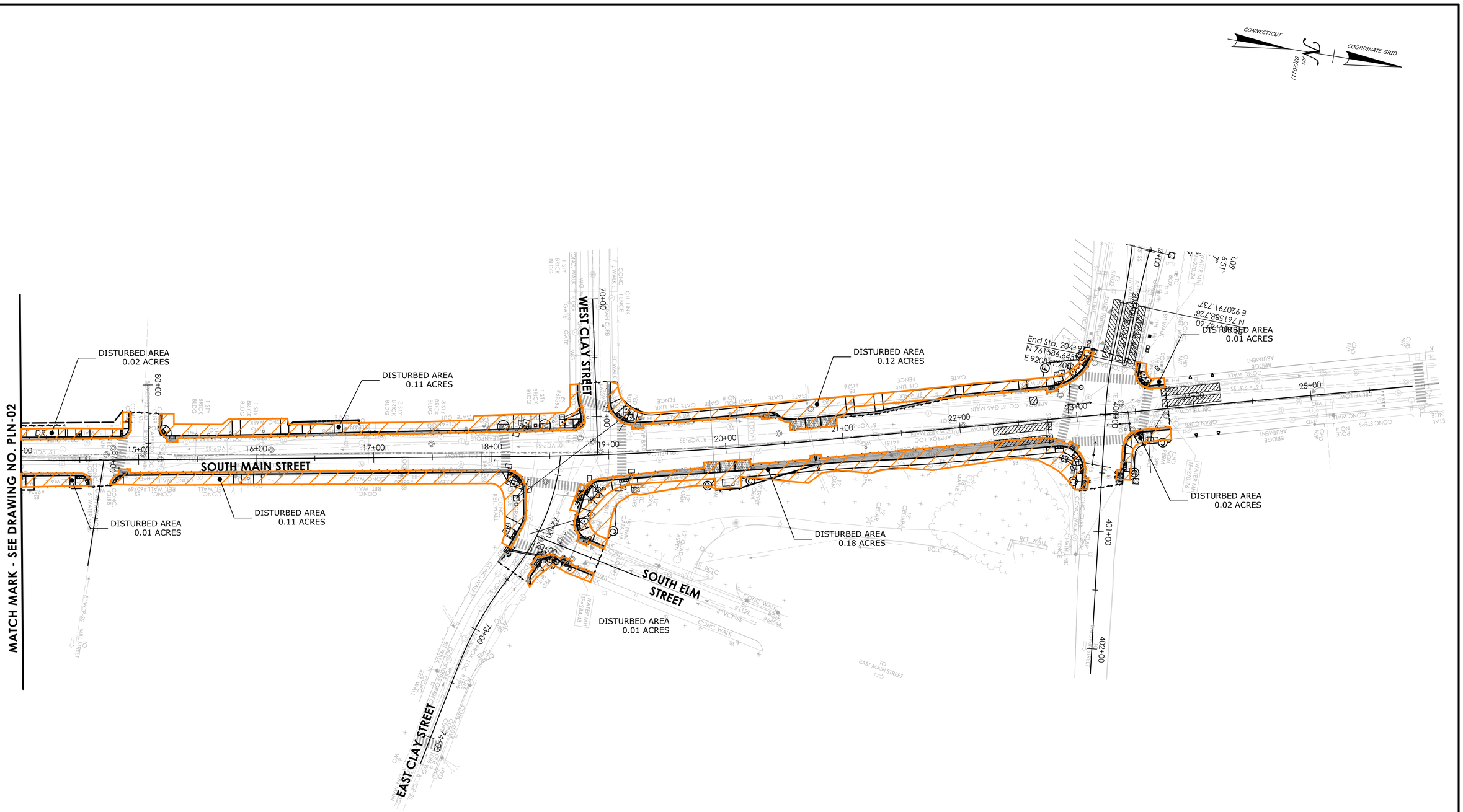

	DISTURBED AREA (ACRES)
☑	0.62

FIGURE 2
DISTURBED ERODIBLE AREAS

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: BCT CHECKED BY: DJP

0 40' 80'
HORIZONTAL SCALE
1" = 40'

SIGNATURE/
BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0151-0340
PROJECT DESCRIPTION: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
TOWN(S): WATERBURY
DRAWING TITLE: PLAN

DRAWING NO. PLN-03
SHEET NO.

APPROXIMATE LOCATION OF EO-3 (~600' SOUTHWEST OF PROJECT LIMITS)

CONTRIBUTING CULVERT TO EO-3

MATCH MARK - SEE DRAWING NO. PLN-05

CONNECTICUT

COORDINATE GRID

NAD 83(2011)

MEADOW STREET

BANK STREET

I-84 EASTBOUND EXIT 21 OFF-RAMP

	DISTURBED AREA (ACRES)
☑	4.55

FIGURE 2
DISTURBED ERODIBLE AREAS

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: BCT CHECKED BY: DJP

0 40' 80'
HORIZONTAL SCALE 1" = 40'

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0151-0340
PROJECT DESCRIPTION: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
TOWN(S): WATERBURY
DRAWING TITLE: PLAN

DRAWING NO. PLN-04
SHEET NO.

0151-0340

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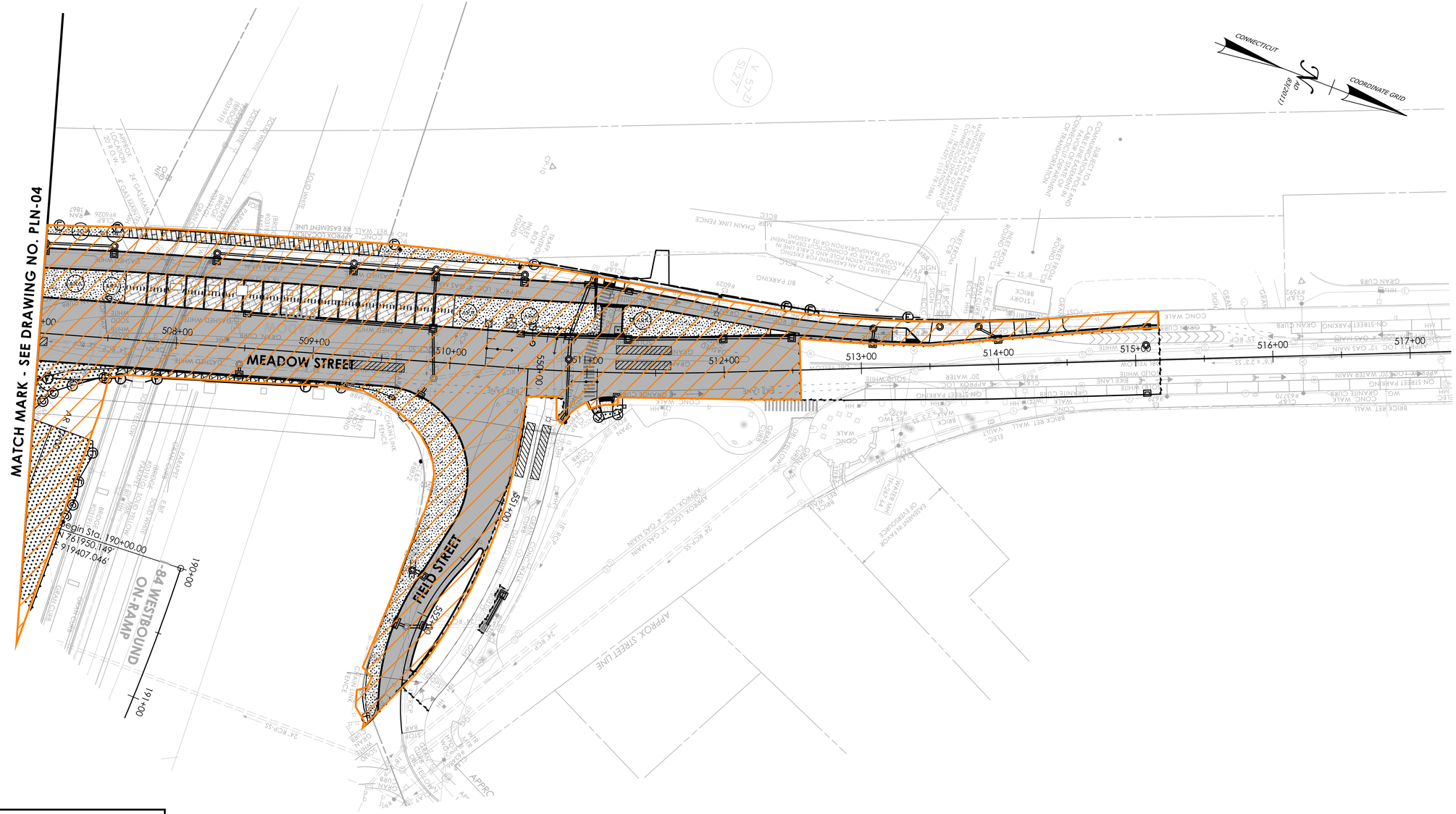

	DISTURBED AREA (ACRES)
☑	1.76

FIGURE 2
DISTURBED ERODIBLE AREAS

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: BCT CHECKED BY: DJP

0 40' 80'
HORIZONTAL SCALE
1" = 40'

SIGNATURE/
BLOCK:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0151-0340
PROJECT DESCRIPTION: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
TOWN(S): WATERBURY
DRAWING TITLE: PLAN

DRAWING NO. PLN-05
SHEET NO.

0151-0340

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PLOTTED DATE: 7/3/2025

ADDENDUM NO. 1

OUTLET	PERVIOUS	IMPERVIOUS	TOTAL
EO-2 (39" RCP)	0.918 AC	1.164 AC	2.082 AC
EO-3 (72" RCP)	2.913 AC	3.383 AC	6.296 AC

REVISION DESCRIPTION | DATE | REV

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

0 60' 120'
HORIZONTAL SCALE
1" = 60'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: EXISTING PERVIOUS AND IMPERVIOUS AREAS

PROJECT NO.: 0151-0340

DRAWING NO.: FIG-01

SHEET NO.:

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Presentation\Stormwater\HW_CP_0151_0340_EFIG-01.dgn
PLOTTED DATE: 7/3/2025

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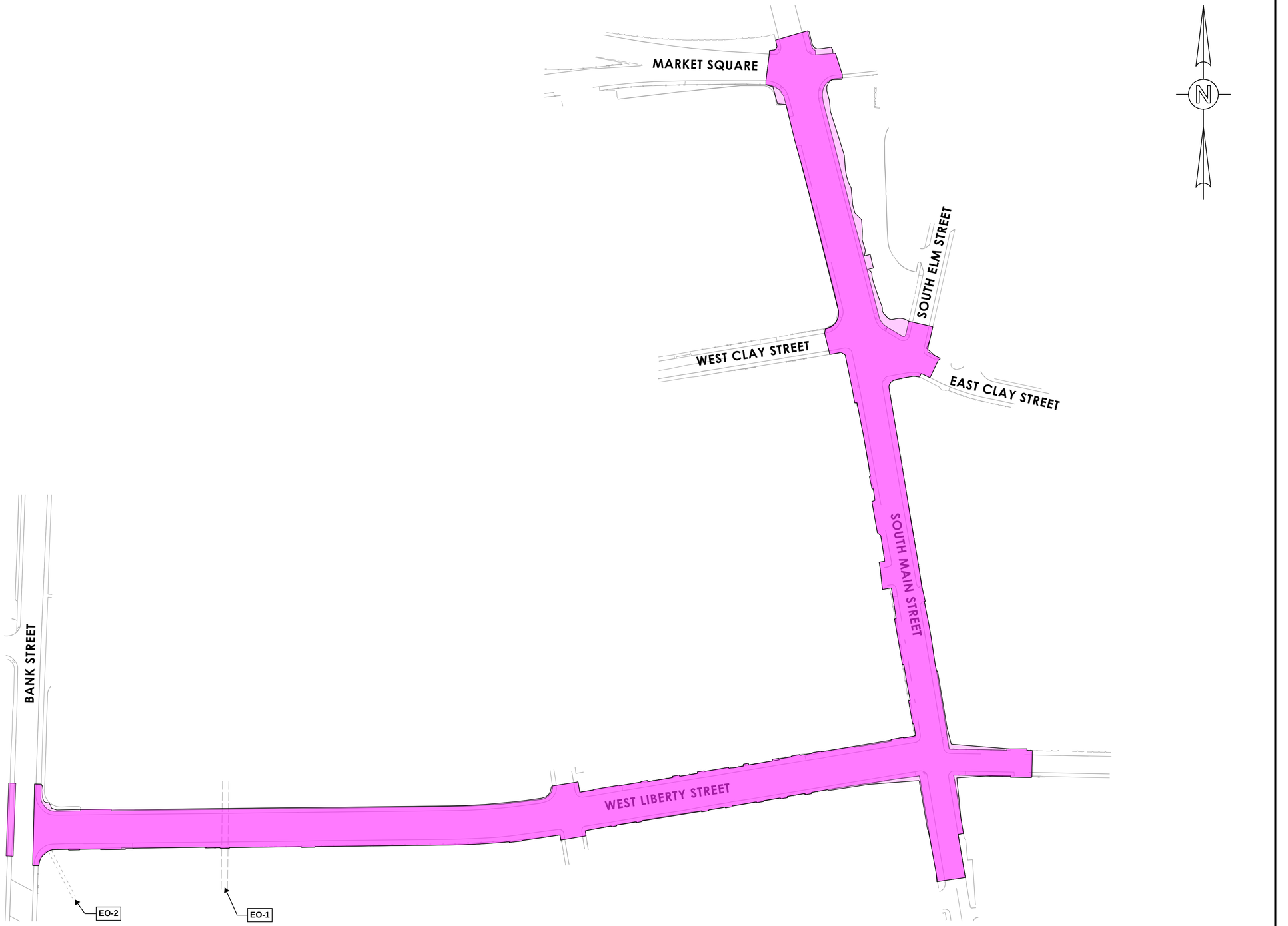

OUTLET	PERVIOUS	IMPERVIOUS	TOTAL
EO-1 (BOX CULVERT)	0.178 AC	4.117 AC	4.295 AC

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

0 80' 160'
HORIZONTAL SCALE
1" = 80'

CTDOT
CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
EXISTING PERVIOUS AND IMPERVIOUS AREAS

PROJECT NO.:
0151-0340

DRAWING NO.:
FIG-02

SHEET NO.:

0151-0340

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PLOTTED DATE: 7/3/2025

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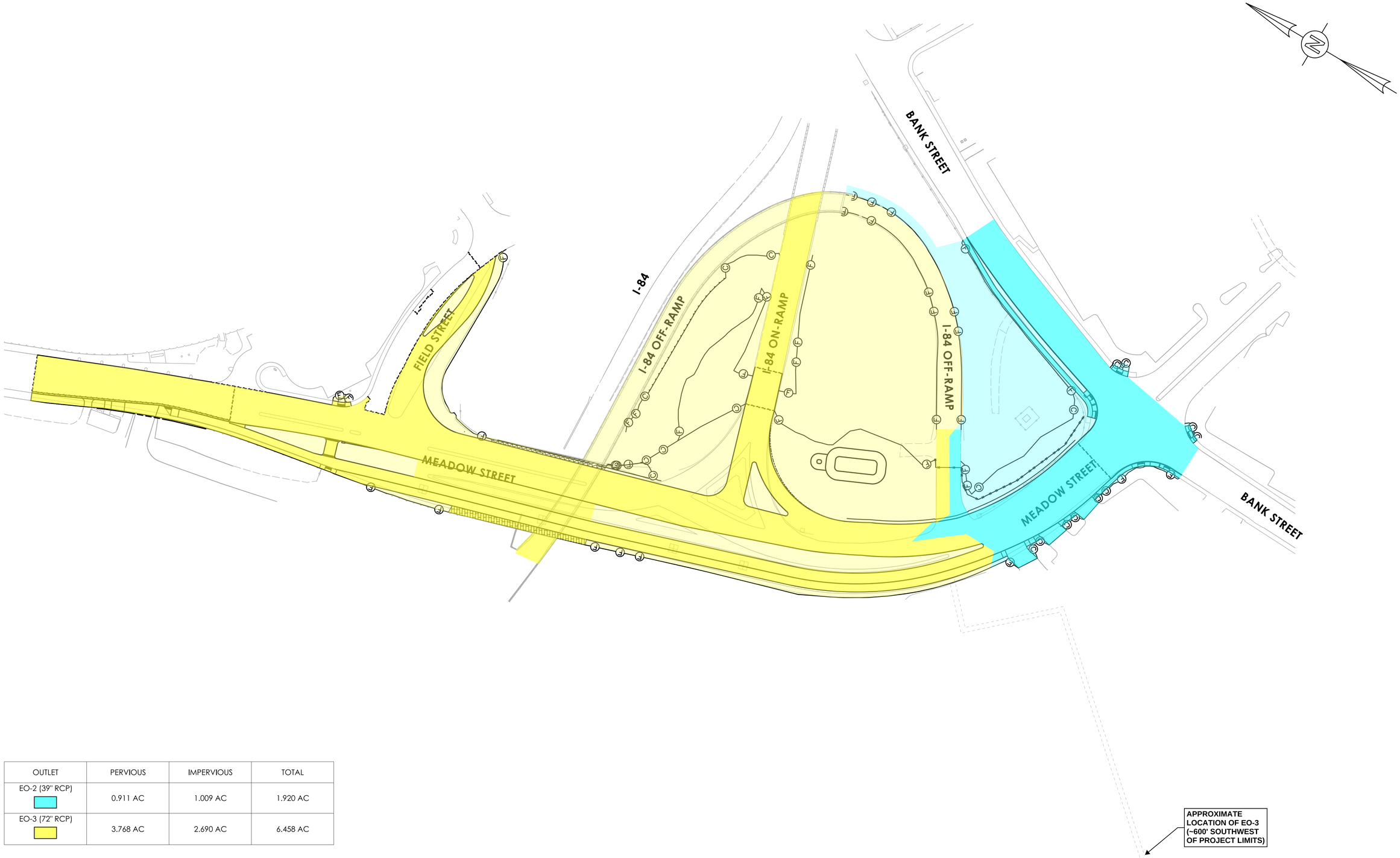

OUTLET	PERVIOUS	IMPERVIOUS	TOTAL
EO-2 (39" RCP)	0.911 AC	1.009 AC	1.920 AC
EO-3 (72" RCP)	3.768 AC	2.690 AC	6.458 AC

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

0 60' 120'
HORIZONTAL SCALE
1" = 60'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: PROPOSED PERVIOUS AND IMPERVIOUS AREAS

PROJECT NO.: 0151-0340

DRAWING NO.: FIG-03

SHEET NO.:

OUTLET	PERVIOUS	IMPERVIOUS	TOTAL
EO-1 (BOX CULVERT)	0.244 AC	4.051 AC	4.295 AC

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

0 80' 160'
HORIZONTAL SCALE
1" = 80'

CTDOT
CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
EXISTING PERVIOUS AND IMPERVIOUS AREAS

PROJECT NO.:
0151-0340

DRAWING NO.:
FIG-02

SHEET NO.:

0151-0340

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PLOTTED DATE: 7/3/2025

ADDENDUM NO. 1

State Project No.:0151-0340
Removal of I-84 Eastbound Exit 21 Off-Ramp
Waterbury, CT

Stormwater Pollution Control Plan

Appendix B
Drainage Calculations

Connecticut Department of Transportation

Summary for Pond P-1: Infiltration Basin

Inflow Area = 3.775 ac, 0.00% Impervious, Inflow Depth = 1.11" for 2-Year event
Inflow = 3.41 cfs @ 12.21 hrs, Volume= 0.350 af
Outflow = 0.44 cfs @ 13.96 hrs, Volume= 0.298 af, Atten= 87%, Lag= 105.5 min
Discarded = 0.10 cfs @ 13.96 hrs, Volume= 0.194 af
Primary = 0.34 cfs @ 13.96 hrs, Volume= 0.104 af

Routing by Stor-Ind method, Time Span= 5.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 263.25' @ 13.96 hrs Surf.Area= 3,649 sf Storage= 7,269 cf

Plug-Flow detention time= 479.0 min calculated for 0.298 af (85% of inflow)
Center-of-Mass det. time= 411.8 min (1,297.4 - 885.6)

Volume	Invert	Avail.Storage	Storage Description
#1	260.00'	15,292 cf	**19.00'W x 55.00'L x 5.00'H Prismatoid Z=4.0**

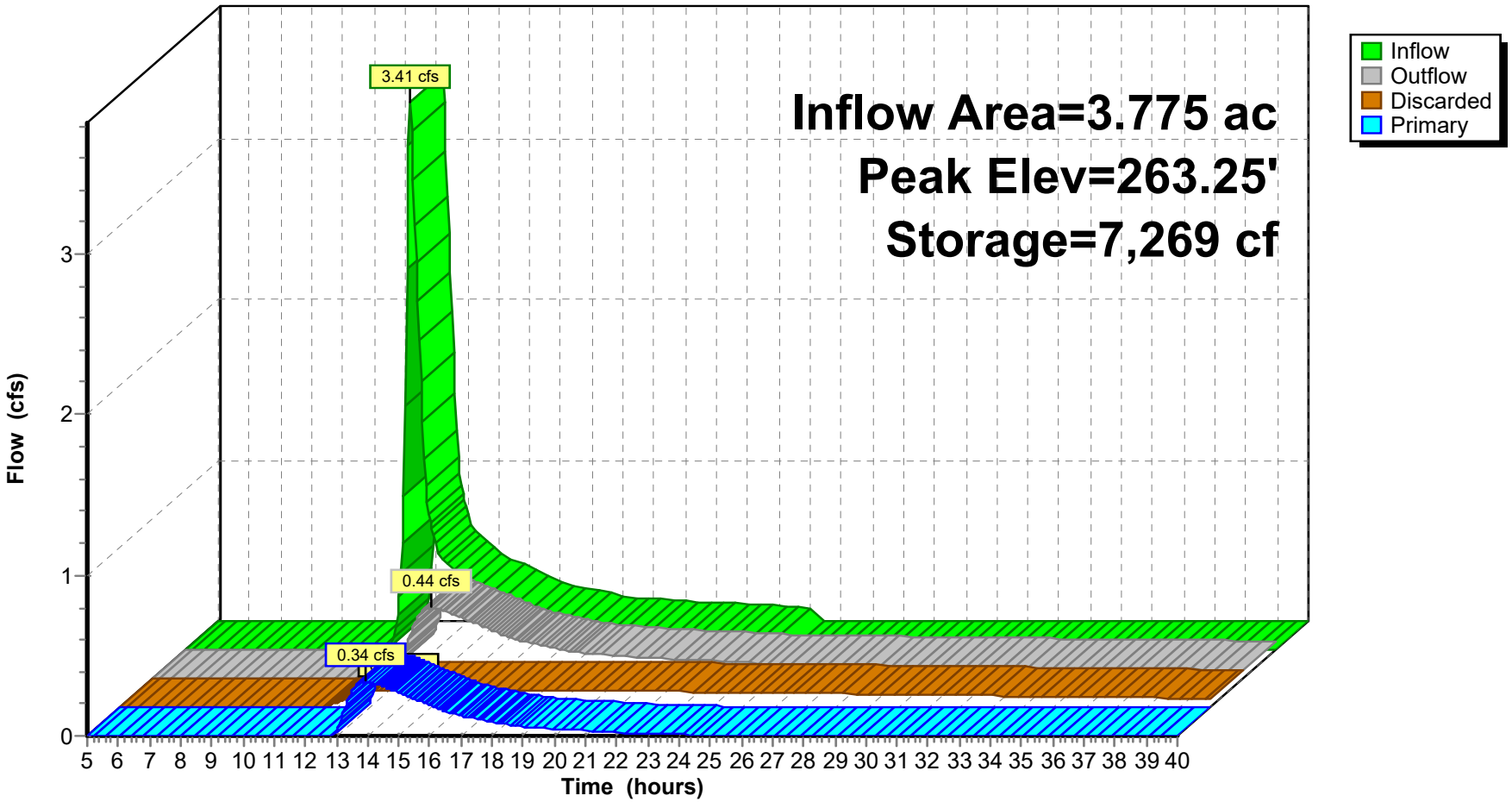
Device	Routing	Invert	Outlet Devices
#1	Discarded	260.00'	**1.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 250.00'
#2	Primary	263.00'	**18.0" Round RCP_Round 18"** L= 50.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 263.00' / 257.00' S= 0.1200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

Discarded OutFlow Max=0.10 cfs @ 13.96 hrs HW=263.25' (Free Discharge)
└**1=Exfiltration** (Controls 0.10 cfs)

Primary OutFlow Max=0.34 cfs @ 13.96 hrs HW=263.25' (Free Discharge)
└**2=RCP_Round 18"** (Inlet Controls 0.34 cfs @ 1.72 fps)

Pond P-1: Infiltration Basin

Hydrograph



Summary for Pond P-1: Infiltration Basin

Inflow Area = 3.775 ac, 0.00% Impervious, Inflow Depth = 1.69" for 10-Year event
Inflow = 5.54 cfs @ 12.20 hrs, Volume= 0.532 af
Outflow = 1.75 cfs @ 12.66 hrs, Volume= 0.478 af, Atten= 68%, Lag= 27.7 min
Discarded = 0.11 cfs @ 12.66 hrs, Volume= 0.200 af
Primary = 1.63 cfs @ 12.66 hrs, Volume= 0.278 af

Routing by Stor-Ind method, Time Span= 5.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 263.58' @ 12.66 hrs Surf.Area= 3,984 sf Storage= 8,511 cf

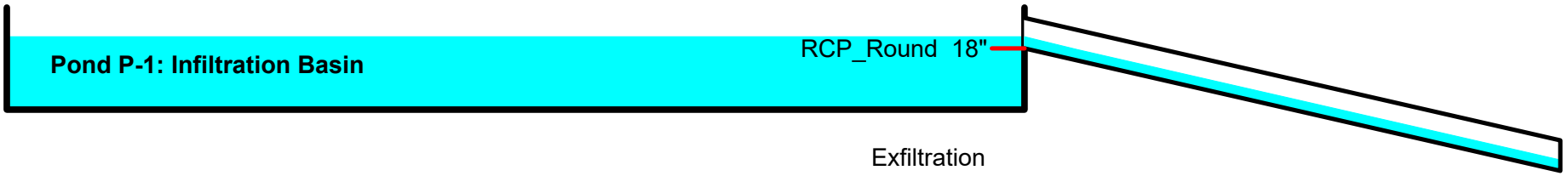
Plug-Flow detention time= 317.6 min calculated for 0.478 af (90% of inflow)
Center-of-Mass det. time= 268.2 min (1,140.0 - 871.8)

Volume	Invert	Avail.Storage	Storage Description
#1	260.00'	15,292 cf	**19.00'W x 55.00'L x 5.00'H Prismatoid Z=4.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	260.00'	**1.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 250.00'
#2	Primary	263.00'	**18.0" Round RCP_Round 18"** L= 50.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 263.00' / 257.00' S= 0.1200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

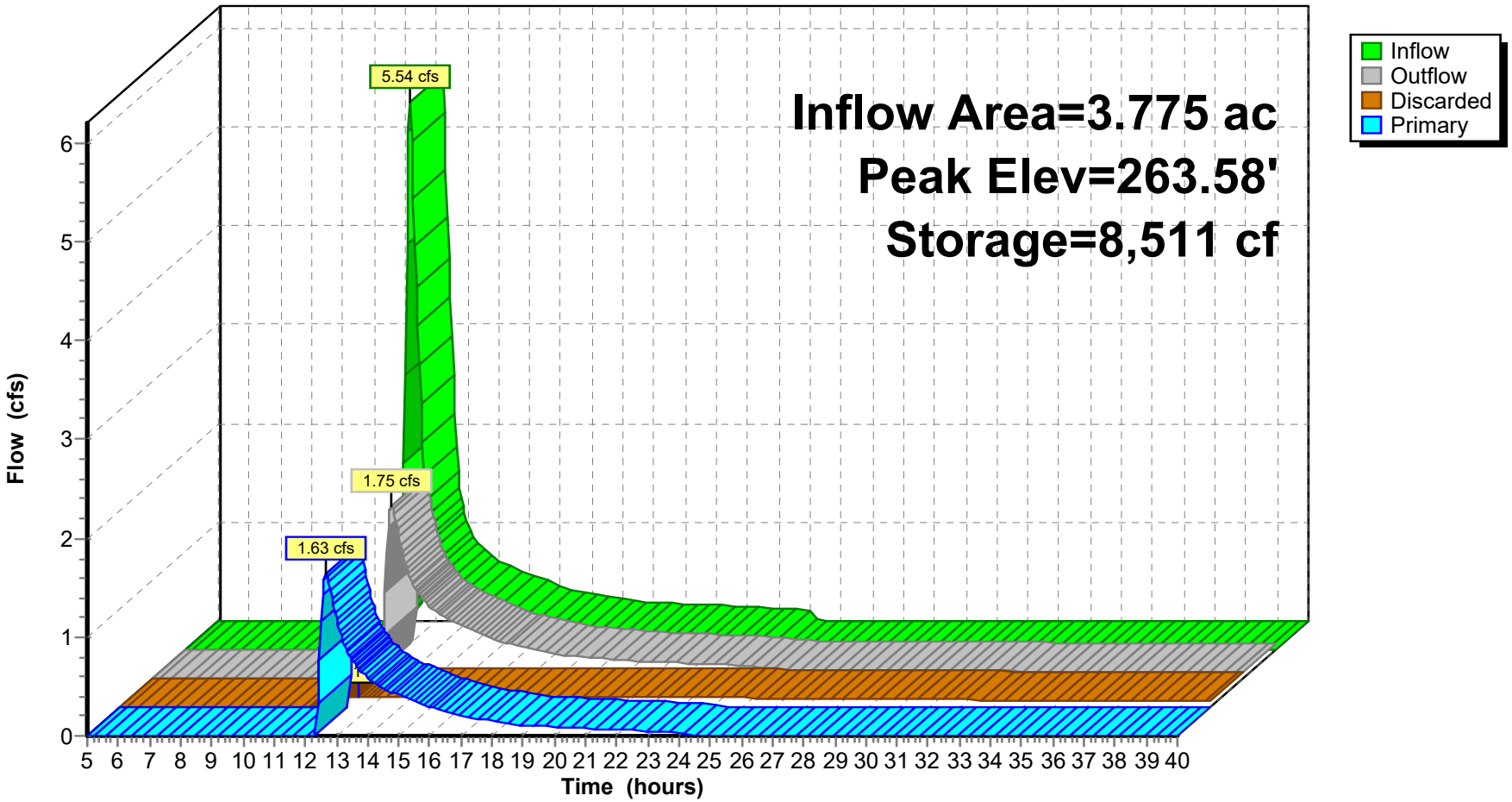
Discarded OutFlow Max=0.11 cfs @ 12.66 hrs HW=263.58' (Free Discharge)
└**1=Exfiltration** (Controls 0.11 cfs)

Primary OutFlow Max=1.63 cfs @ 12.66 hrs HW=263.58' (Free Discharge)
└**2=RCP_Round 18"** (Inlet Controls 1.63 cfs @ 2.59 fps)



Pond P-1: Infiltration Basin

Hydrograph



Summary for Pond P-1: Infiltration Basin

Inflow Area = 3.775 ac, 0.00% Impervious, Inflow Depth = 2.50" for 25-Year event
Inflow = 8.50 cfs @ 12.19 hrs, Volume= 0.787 af
Outflow = 4.51 cfs @ 12.47 hrs, Volume= 0.732 af, Atten= 47%, Lag= 17.0 min
Discarded = 0.13 cfs @ 12.47 hrs, Volume= 0.206 af
Primary = 4.38 cfs @ 12.47 hrs, Volume= 0.526 af

Routing by Stor-Ind method, Time Span= 5.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 264.02' @ 12.47 hrs Surf.Area= 4,456 sf Storage= 10,357 cf

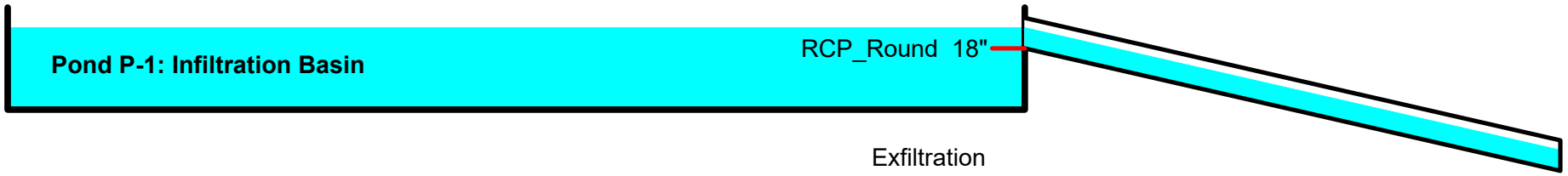
Plug-Flow detention time= 218.7 min calculated for 0.732 af (93% of inflow)
Center-of-Mass det. time= 182.4 min (1,042.2 - 859.8)

Volume	Invert	Avail.Storage	Storage Description
#1	260.00'	15,292 cf	**19.00'W x 55.00'L x 5.00'H Prismatoid Z=4.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	260.00'	**1.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 250.00'
#2	Primary	263.00'	**18.0" Round RCP_Round 18"** L= 50.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 263.00' / 257.00' S= 0.1200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

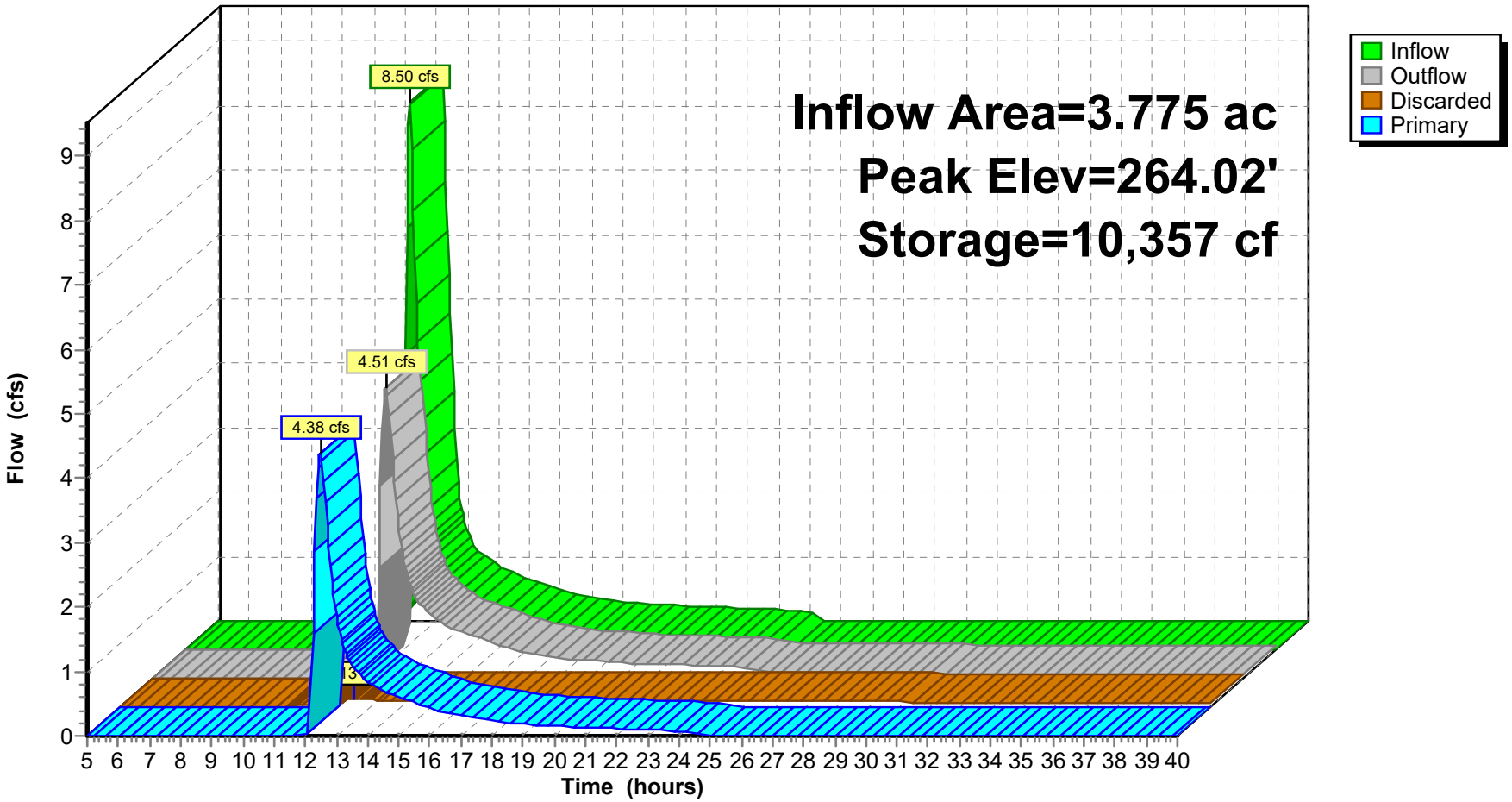
Discarded OutFlow Max=0.13 cfs @ 12.47 hrs HW=264.01' (Free Discharge)
└**1=Exfiltration** (Controls 0.13 cfs)

Primary OutFlow Max=4.35 cfs @ 12.47 hrs HW=264.01' (Free Discharge)
└**2=RCP_Round 18"** (Inlet Controls 4.35 cfs @ 3.43 fps)



Pond P-1: Infiltration Basin

Hydrograph



Summary for Pond P-1: Infiltration Basin

Inflow Area = 3.775 ac, 0.00% Impervious, Inflow Depth = 3.94" for 100-Year event
Inflow = 13.71 cfs @ 12.18 hrs, Volume= 1.239 af
Outflow = 8.60 cfs @ 12.39 hrs, Volume= 1.183 af, Atten= 37%, Lag= 12.2 min
Discarded = 0.15 cfs @ 12.39 hrs, Volume= 0.214 af
Primary = 8.44 cfs @ 12.39 hrs, Volume= 0.969 af

Routing by Stor-Ind method, Time Span= 5.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 264.73' @ 12.39 hrs Surf.Area= 5,282 sf Storage= 13,845 cf

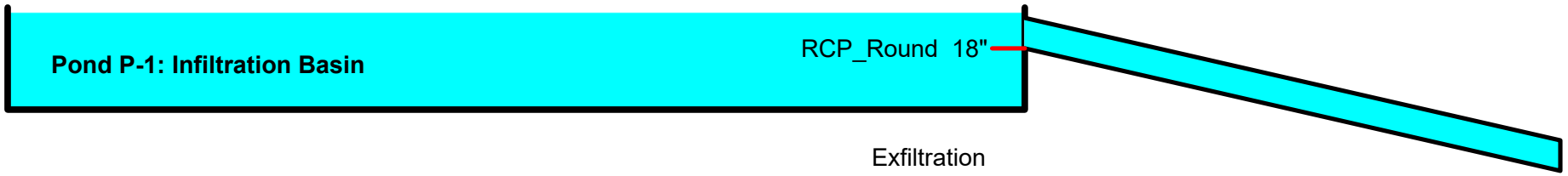
Plug-Flow detention time= 145.8 min calculated for 1.183 af (95% of inflow)
Center-of-Mass det. time= 120.9 min (967.2 - 846.3)

Volume	Invert	Avail.Storage	Storage Description
#1	260.00'	15,292 cf	**19.00'W x 55.00'L x 5.00'H Prismatoid Z=4.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	260.00'	**1.000 in/hr Exfiltration over Wetted area** Conductivity to Groundwater Elevation = 250.00'
#2	Primary	263.00'	**18.0" Round RCP_Round 18"** L= 50.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 263.00' / 257.00' S= 0.1200 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf

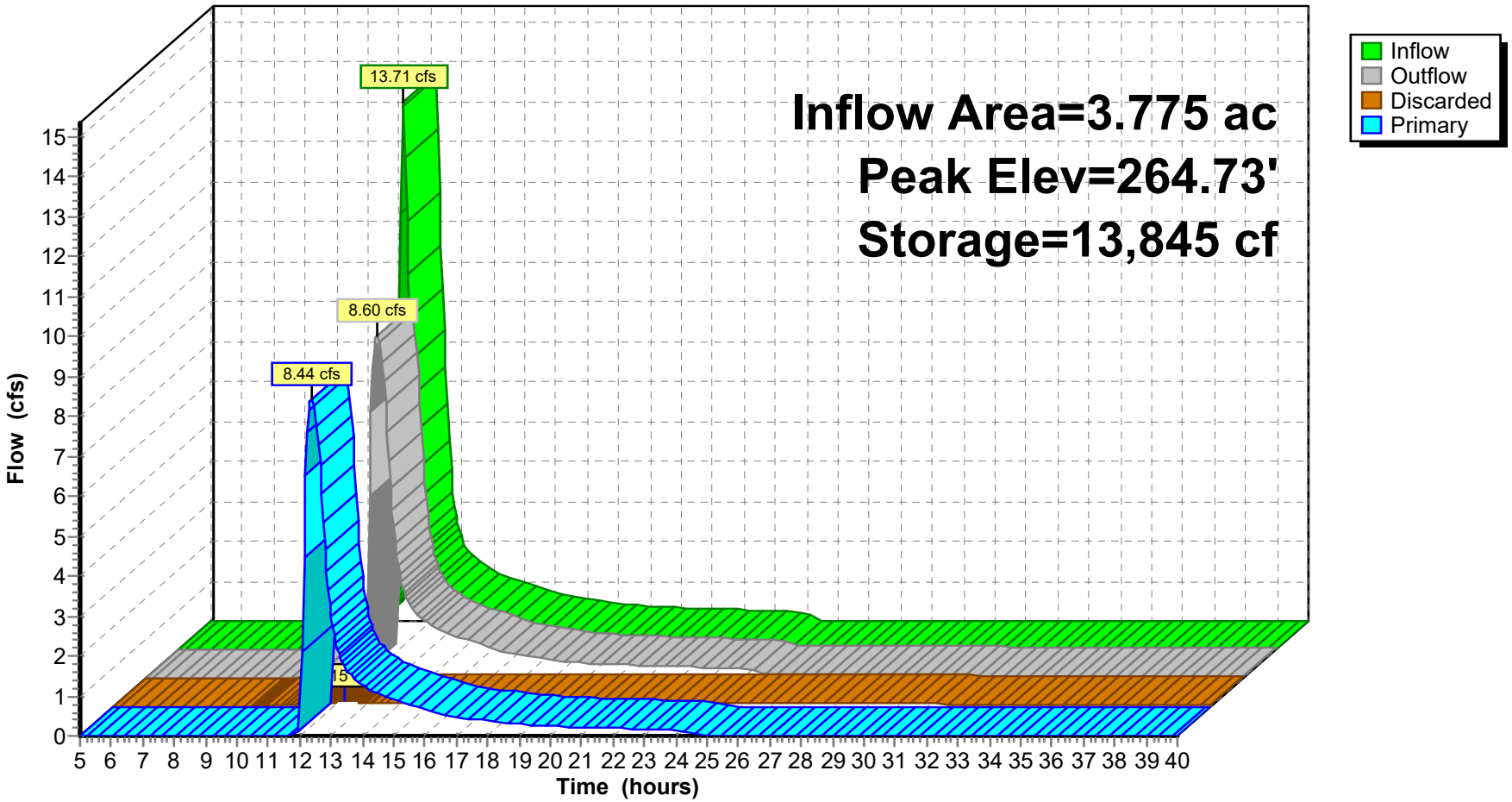
Discarded OutFlow Max=0.15 cfs @ 12.39 hrs HW=264.73' (Free Discharge)
└**1=Exfiltration** (Controls 0.15 cfs)

Primary OutFlow Max=8.43 cfs @ 12.39 hrs HW=264.73' (Free Discharge)
└**2=RCP_Round 18"** (Inlet Controls 8.43 cfs @ 4.77 fps)



Pond P-1: Infiltration Basin

Hydrograph



State Project No.:0151-0340
Removal of I-84 Eastbound Exit 21 Off-Ramp
Waterbury, CT

Stormwater Pollution Control Plan

Appendix C
Plansheets

Connecticut Department of Transportation

GENERAL NOTES:

1. THE CONTRACTOR SHALL DETERMINE, PRIOR TO CONSTRUCTION, THE LOCATIONS OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM THEIR OPERATIONS. CALL BEFORE YOU DIG, 1-800-922-4455, AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR IS TO COORDINATE ACTIVITIES WITH INDIVIDUAL COMPANY REPRESENTATIVES. THE CONTRACTOR SHALL ACCURATELY LOCATE ALL UNDERGROUND UTILITIES IN AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH THEM AND SHALL BE RESPONSIBLE FOR ALL DAMAGES.

2. ALL UTILITY VALVES WITHIN THE LIMIT OF DISTURBANCE ARE TO BE RESET TO FINAL GRADE.

3. ALL SIDEWALK RAMPS LOCATED AT EXISTING OR PROPOSED DRIVEWAYS ARE TO BE TYPE 32, AS DETAILED ON DWG. NO. GS-22 UNLESS OTHERWISE NOTED.

4. EXISTING GRANITE CURB IN GOOD CONDITION AS DETERMINED BY THE ENGINEER IS TO BE RESET WHEREVER POSSIBLE.

5. A CLEAR PASSABLE SIDEWALK WIDTH OF 48" SHALL BE MAINTAINED AT ALL OBSTRUCTIONS SUCH AS UTILITY POLES.

6. BETWEEN APRIL-JULY, THE CONTRACTOR SHALL NOT INTRODUCE NEW WORK ACTIVITIES AND STAGING AREAS WITHIN 330 FEET OF ACTIVE PEREGRINE FALCON NESTS THAT ARE OUT OF LINE OF SIGHT, OR WITHIN 660 FEET FROM NESTS THAT ARE IN THE LINE OF SIGHT OF NESTS.

7. NO TRIMMING, CUTTING, OR REMOVAL OF TREES WITH A 3" DBH OR GREATER FROM APRIL 15 TO OCTOBER 31.

8. IN ALL AREAS WHERE EXISTING FENCING IS CALLED OUT TO BE REMOVED, THE CONTRACTOR SHALL REMOVE ONLY FENCING PARALLEL TO THE ROADWAY. ALL CORNER POSTS AND PERPENDICULAR FENCING SHALL REMAIN.

9. ALL AREAS WITHIN THE LIMIT OF DISTURBANCE ALONG BANK STREET, WEST LIBERTY STREET AND SOUTH MAIN STREET SHALL BE RESTORED WITH LOW GROWTH TURF MIX.

10. CONTRACTOR SHALL ENSURE THAT EXISTINDRAINAGE PATTERNS ARE MAINTAINED WITHIN ROADS BEING MILLED/OVERLAID.

11. CONTRACTOR TO ENSURE ROADWAY GUTTER GRADES AT ALL SIDEWALK RAMPS WITHIN MILL AND OVERLAY AREAS DO NOT CREATE LOCALIZED LOW POINTS WHERE THE SIDEALK RAMPS MEET THE ROADWAY GUTTER LINE.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE DEEP 2024 E&S GIUDELINES AND THE 2024 STORMWATER QUALITY MANUAL.

2. INSTALL ANTI-TRACKING PAD AND CONCRETE WASHOUT AREA. LOCATIONS TO BE FIELD DETERMINED.

3. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN/STABILIZE ALL SLOPES BEFORE, DURING, AND AFTER CONSTRUCTION TO PREVENT STORMWATER RUNOFF EROSION.

4. AT THE COMPLETION OF THE PROJECT AND AS NEEDED, REMOVE ALL ACCUMULATED SEDIMENT FROM DRAINAGE STRUCTURE SUMPS, DETENTION BASIN, ETC.

5. ALL AREAS TO BE SEEDED OR SET TO PROPOSED CONDITION WITHIN 7 DAYS OF FINAL GRADING OR AS DIRECTED BY THE ENGINEER.

6. ALL DRAINAGE STRUCTURES TO BE PROTECTED FROM SEDIMENT AT ALL TIMES.

7. IF THE EXISTING PAVEMENT IS REMOVED DURING CONSTRUCTION IN AREAS OF ACTIVE TRAFFICM IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL TEMPORARY PAVEMENT OR 6" PROCESSED AGGREGATE, OR AS DIRECTED BY THE ENGINEER.

8. A DOUBLE ROW OF SEDIMENT CONTROL BARRIER SHALL BE UTILIZED BETWEEN ANY DISTURBED AREA AND DOWNGRADIENT WETLAND OR WATERCOURSE WITHIN 50 FEET, UNLESS THERE WOULD BE AN ADVERSE IMPACT TO ADJACENT WETLANDS/WATERCOURSES DUE TO INSTALLATION OF A DOUBLE ROW (I.E., WOULD RESULT IN LARGER WETLAND/WATERCOURSE IMPACT)

9. ADDITIONAL EROSION CONTROL BARRIERS (DOUBLE ROW OF SCS) MAY ALSO BE REQUIRED WITHIN THE PROJECT AREA. FACTORS TO BE REVIEWED BY THE ENGINEER INCLUDE BUT ARE NOT LIMITED TO: THE CONTRIBUTING DISTURBED AREA, DRAINAGE AREA, SLOPE, LENGTH OF SLOPE, AND FLOW CONDITIONS TO MAINTAIN SHEET FLOW. IF DETERMINED NECESSARY, THE ENGINEER WILL DIRECT THE CONTRACTOR TO INSTALL AND MAINTAIN ADDITIONAL ROWS OF EROSION CONTROL BARRIER (OR EQUIVALENT).

10. ALL DRAINAGE STRUCTURES AND PIPES WITHIN THE PROJECTS LIMITS ARE TO BE CLEANED PRIOR TO CONSTRUCTION. ANY DEBRIS THAT ENTER THE DRAINAGE STRUCTURES DURING CONSTRUCTION IS TO BE REMOVED.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: DKN CHECKED BY: CLM

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**

TOWN(S): **WATERBURY**

DRAWING TITLE: **GENERAL NOTES**

PROJECT NO.: **0151-0340**

DRAWING NO.: **GEN-01**

SHEET NO.:

NOTE:

1. ALL DRIVEWAY APRONS LABELED "DR." SHALL BE BITUMINOUS CONCRETE DRIVEWAY UNLESS OTHERWISE NOTED ON THE PLANS

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

HORIZONTAL SCALE 1" = 40' (0, 40', 80')

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**

TOWN(S): **WATERBURY**

DRAWING TITLE: **HIGHWAY PLAN**

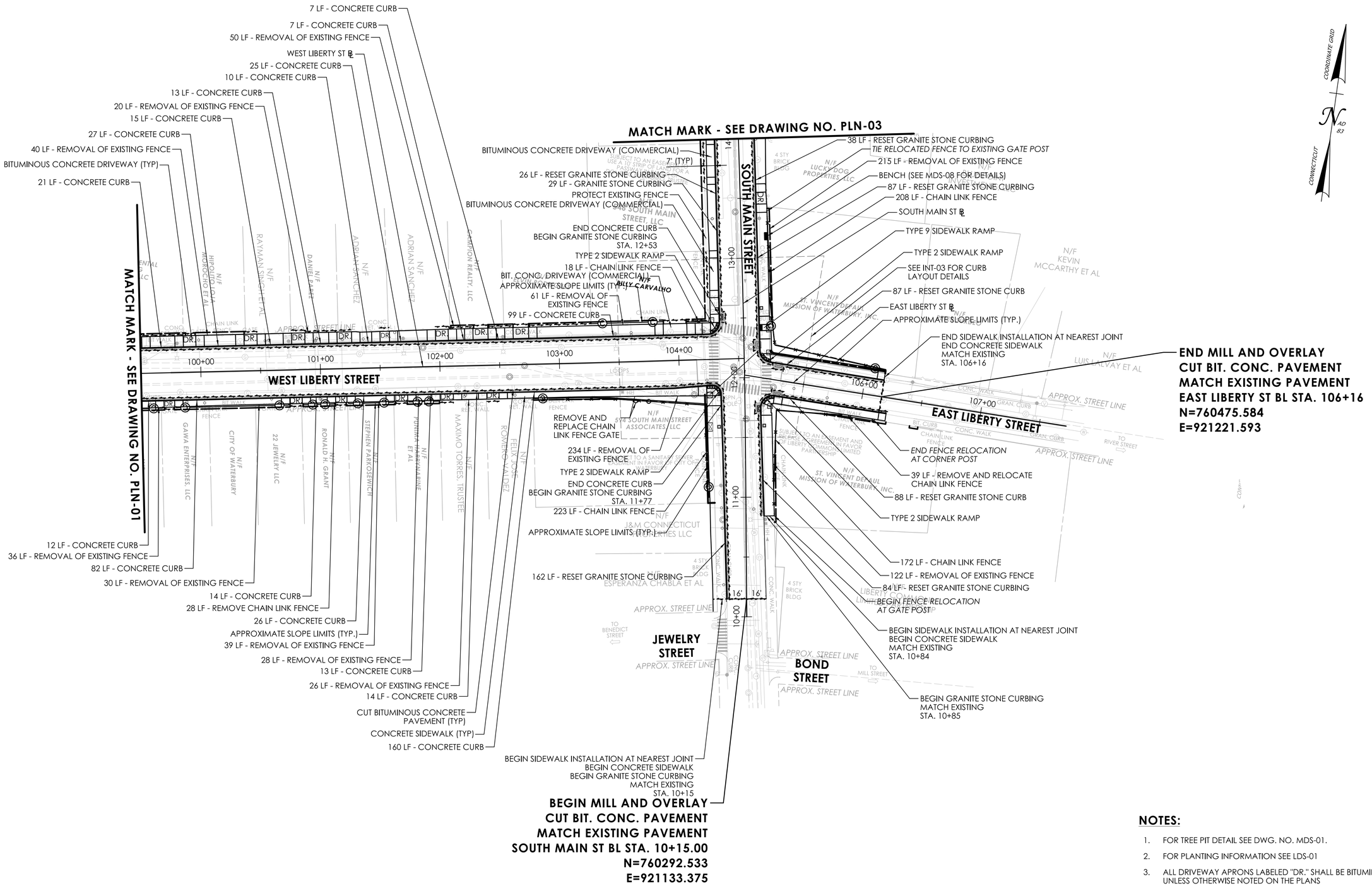
PROJECT NO.: **0151-0340**

DRAWING NO.: **PLN-01**

SHEET NO.:

LASTED SAVED BY: btencza FILE NAME: \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_PLN-01.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



NOTES:

1. FOR TREE PIT DETAIL SEE DWG. NO. MDS-01.
2. FOR PLANTING INFORMATION SEE LDS-01
3. ALL DRIVEWAY APRONS LABELED "DR." SHALL BE BITUMINOUS CONCRETE DRIVEWAY UNLESS OTHERWISE NOTED ON THE PLANS

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: HIGHWAY PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: PLN-02

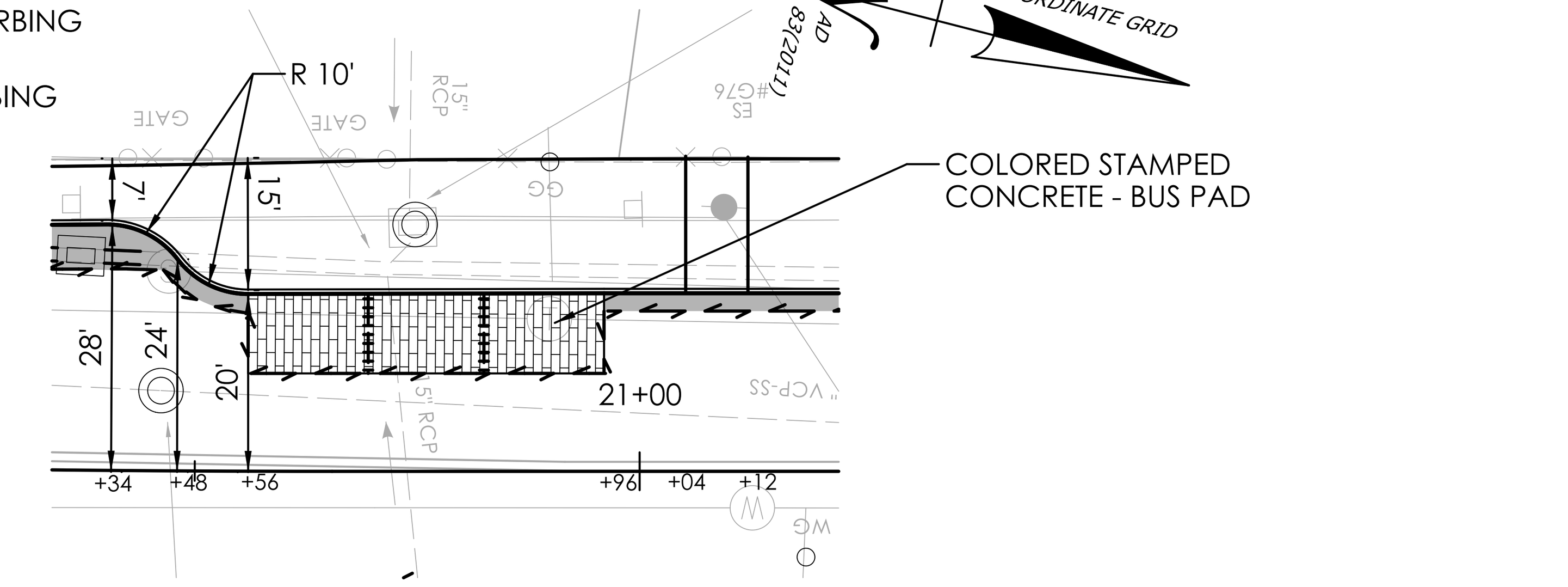
SHEET NO.:

NOTES:

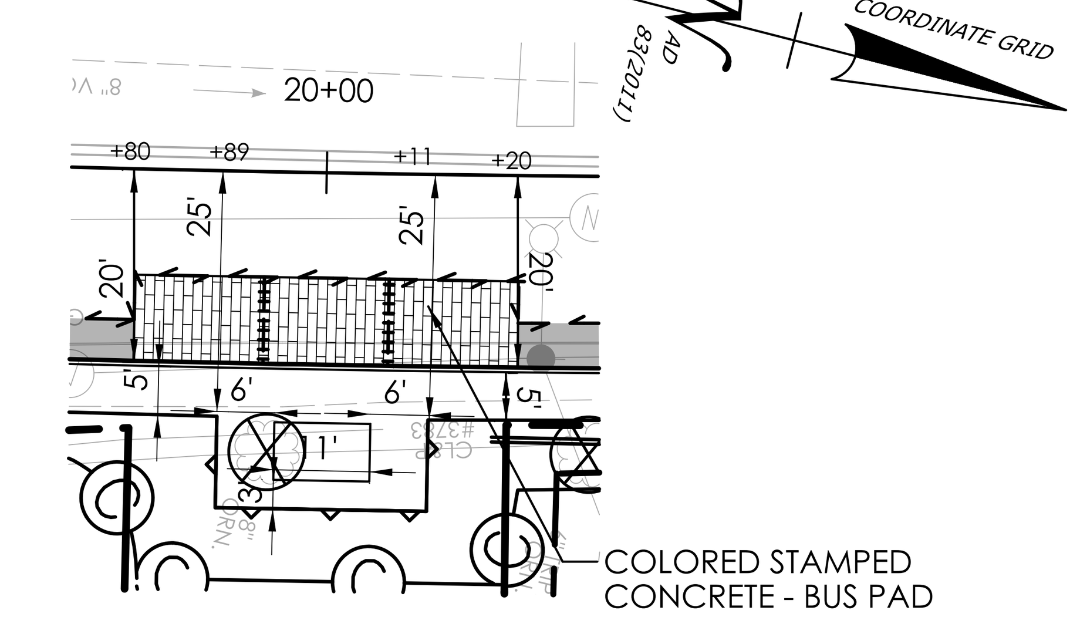
1. FOR BUS PASSENGER SHELTER DETAIL SEE DWG. NO. MDS-07.
2. FOR COLORED STAMPED CONCRETE DETAILS SEE DWG. NO. MDS-10. SEE DWG. NO. MDS-06 FOR JOINT SPACING
3. FOR TREE PIT DETAIL SEE DWG. NO. MDS-01.
4. FOR PLANTING INFORMATION SEE LDS-02.
5. ALL DRIVEWAY APRONS LABELED "DR." SHALL BE BITUMINOUS CONRETE DRIVEWAY UNLESS OTHERWISE NOTED ON THE PLANS.
6. SEE DRAINAGE PLANS FOR PROPOSED DRAINAGE AND UTILITY TREATMENTS.

LEGEND:

⊗ REMOVE TREE (PAID UNDER ITEM NO. 0201001 - CLEARING AND GRUBBING)



DETAIL A
SCALE = 1"=20'



DETAIL B
SCALE = 1"=20'

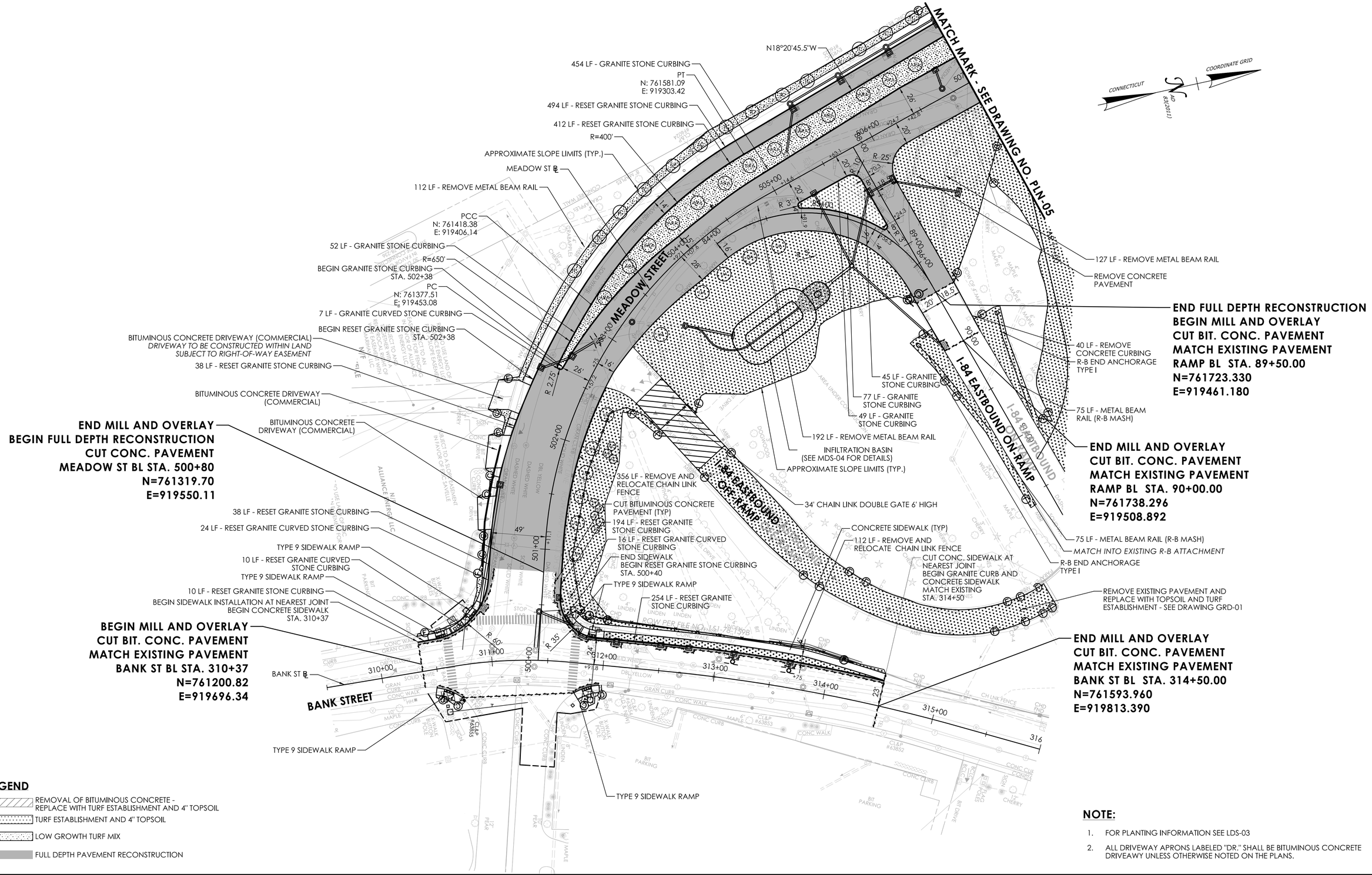
REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
DESIGNER/DRAFTER: BCT CHECKED BY: CLM

HORIZONTAL SCALE 1" = 40' (0 40' 80')

CONNECTICUT DEPARTMENT OF TRANSPORTATION (CTDOT)

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**
TOWN(S): **WATERBURY**
DRAWING TITLE: **HIGHWAY PLAN**
PROJECT NO.: **0151-0340**
DRAWING NO.: **PLN-03**
SHEET NO.:



LEGEND

- REMOVAL OF BITUMINOUS CONCRETE - REPLACE WITH TURF ESTABLISHMENT AND 4" TOPSOIL
- TURF ESTABLISHMENT AND 4" TOPSOIL
- LOW GROWTH TURF MIX
- FULL DEPTH PAVEMENT RECONSTRUCTION

NOTE:

1. FOR PLANTING INFORMATION SEE LDS-03
2. ALL DRIVEWAY APRONS LABELED "DR." SHALL BE BITUMINOUS CONCRETE DRIVEAWY UNLESS OTHERWISE NOTED ON THE PLANS.

REVISION DESCRIPTION | DATE | REV.

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: HIGHWAY PLAN

PROJECT NO.: 0151-0340

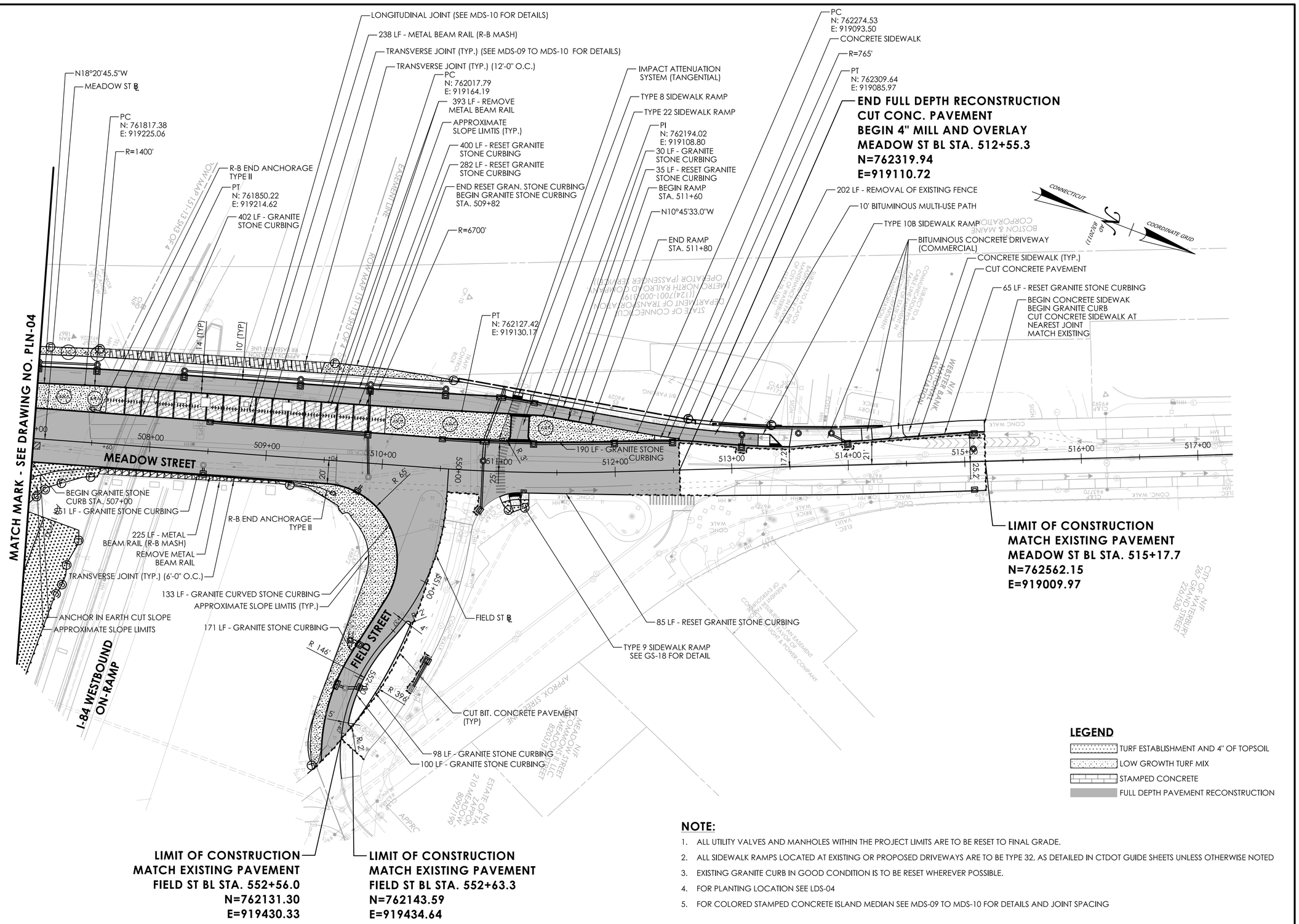
DRAWING NO.: PLN-04

SHEET NO.:

0151-0340

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_PLN-04.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



LEGEND

- TURF ESTABLISHMENT AND 4" OF TOPSOIL
- LOW GROWTH TURF MIX
- STAMPED CONCRETE
- FULL DEPTH PAVEMENT RECONSTRUCTION

NOTE:

1. ALL UTILITY VALVES AND MANHOLES WITHIN THE PROJECT LIMITS ARE TO BE RESET TO FINAL GRADE.
2. ALL SIDEWALK RAMPS LOCATED AT EXISTING OR PROPOSED DRIVEWAYS ARE TO BE TYPE 32, AS DETAILED IN CTDOT GUIDE SHEETS UNLESS OTHERWISE NOTED
3. EXISTING GRANITE CURB IN GOOD CONDITION IS TO BE RESET WHEREVER POSSIBLE.
4. FOR PLANTING LOCATION SEE LDS-04
5. FOR COLORED STAMPED CONCRETE ISLAND MEDIAN SEE MDS-09 TO MDS-10 FOR DETAILS AND JOINT SPACING

REVISION DESCRIPTION | DATE | REV.

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE 1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: HIGHWAY PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: PLN-05

SHEET NO.:

0151-0340

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PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1

BEGIN FULL-DEPTH RECONSTRUCTION
CUT BIT. CONC. PAVEMENT
MATCH EXISTING PAVEMENT
WEST LIBERTY BL STA. 90+17
N=760370.251
E=919675.375

END MILL AND OVERLAY
CUT BIT. CONC. PAVEMENT
MATCH EXISTING PAVEMENT
BENEDICT ST BL STA. 41+37.87
N=760443.032
E=920515.684

END MILL AND OVERLAY
CUT BIT. CONC. PAVEMENT
MATCH EXISTING PAVEMENT
BENEDICT ST BL STA. 40+51.40
N=760357.748
E=920529.961

MATCH MARK - SEE DRAWING NO. DRG-02

WEST LIBERTY STREET

BENEDICT STREET

BANK STREET

RESET MANHOLE
SPECIAL MANHOLE FRAME AND COVER
T.F.=260.62

TYPE "C" CATCH BASIN DBL GRATE TYPE II
STA. 92+98, 15.0' LT
T.F.=259.77
INV(S,W) =256.00

REMOVE DRAINAGE STRUCTURE

40 LF - REMOVE PIPE

94 LF - 15" R.C.P.

SPECIAL TYPE "C" CATCH BASIN
STA. 92+00, 15.0' LT
T.F.=260.21
INV (E,W) =256.60

96 LF - 15" R.C.P.

SPECIAL TYPE "C"
CATCH BASIN
STA. 91+00, 15.0' LT
T.F.=260.90
INV (E) =257.25

SPECIAL TYPE "C" CATCH BASIN
STA. 94+36, 15.0' LT
T.F.=260.25
INV (SW) =256.47

7 LF - 15" R.C.P.

RESET MANHOLE
SPECIAL MANHOLE
FRAME AND COVER
T.F.=260.41

4 LF - 36" R.C.P.

4 LF - 36" R.C.P.

WEST LIBERTY ST ℄

SPECIAL TYPE "C" CATCH BASIN
STA. 96+39 21.0' LT
T.F.=261.08
INV(SW) =256.85

4 LF - 12" R.C.P.

RESET MANHOLE
SPECIAL MANHOLE FRAME AND COVER
T.F.=261.09

BENEDICT ST ℄

27 LF - 15" R.C.P.

RESET MANHOLE
SPECIAL MANHOLE FRAME AND COVER
T.F.=262.40
INV(NW)=256.67
INV(NE)=257.00

31 LF - 12" R.C.P.

SPECIAL TYPE "C" CATCH BASIN
STA. 98+22, 21.0' LT
T.F.=262.26
INV (E)=257.17

SPECIAL TYPE "C" CATCH BASIN
STA. 41+27, 13.0' RT
T.F.=262.47
INV(SW)=259.00

RESET MANHOLE - SANITARY SEWER
T.F.=262.72

SPECIAL TYPE "C" CATCH BASIN
STA. 98+97, 21.0' LT
T.F.=262.65
INV(SE)=259.00

3 LF - 12" R.C.P.

RESET MANHOLE
SPECIAL MANHOLE
FRAME AND COVER
T.F.=262.90
INV(NW)= 257.40

RELOCATE UTILITY POLE (BY OTHERS)

SPECIAL TYPE "C" CATCH BASIN
STA. 91+00, 15.0' RT
T.F.=260.78
INV(E)=257.28

RESET MANHOLE - SANITARY SEWER
T.F.=260.85

57 LF - 15" R.C.P.

SPECIAL TYPE "C" CATCH BASIN
STA. 91+60, 15.0' RT
T.F.=260.46
INV(E,W)=256.55

36 LF - 15" R.C.P.

TYPE "C" CATCH BASIN DBL GRATE TYPE I
STA. 92+00, 15.0' LT
T.F.=260.21
INV(E,W)=256.20

47 LF - 15" R.C.P.

TYPE "C" CATCH BASIN DBL GRATE TYPE I
STA. 92+50, 15.0' LT
T.F.=259.95
INV(E,W)=255.80

43 LF - 15" R.C.P.

REMOVE DRAINAGE STRUCTURE

TYPE "C" CATCH BASIN DBL GRATE TYPE II
STA. 92+98, 15.0' LT
T.F.=259.77
INV(N,E,W)=255.50

26 LF - 15" R.C.P.

41 LF - 18" R.C.P.

SPECIAL TYPE "C" CATCH BASIN
STA. 94+66, 16.1 RT
T.F.=260.57
INV(W,SE)=256.10

38 LF - 12" R.C.P.

4 LF - 12" R.C.P.

7 LF - REMOVE PIPE

SPECIAL TYPE "C" CATCH BASIN
STA. 94+25, 15.0 RT
T.F.=260.35
INV(E)=256.10
INV(N)=256.05

REMOVE DRAINAGE STRUCTURE

ADJUST GATE BOX (GAS) (TYP)

MANHOLE 4' DIAMETER
STA. 93+50, C
T.F.=260.27
INV(SW)=253.25

RESET MANHOLE -SANITARY SEWER
T.F.=260.07

17 LF - 18" R.C.P.

TYPE "C" CATCH BASIN DBL GRATE TYPE I
STA. 93+35, 15.0' LT
T.F.=259.91
INV(NE)=253.55
INV(W)=255.00

SPECIAL TYPE "C"
CATCH BASIN
STA. 95+18, 27.0 RT
T.F.=260.60
INV(NW)=257.00

47 LF - 12" R.C.P.

RESET MANHOLE -
SANITARY SEWER
T.F.=262.03

SPECIAL TYPE "C" CATCH BASIN
STA. 96+49, 23.0' RT
T.F.=260.65
INV(NW)= 257.55

21 LF - 12 " R.C.P.

RESET MANHOLE
SPECIAL MANHOLE FRAME AND COVER
T.F.=261.45

ADJUST GATE BOX (WATER) (TYP)

RESET CATCH BASIN
SPECIAL TYPE "C" CATCH BASIN TOP
T.F.=262.60

RESET MANHOLE - WATER
T.F.=262.65

RESET MANHOLE - SANITARY SEWER
T.F.=262.70

RESET MANHOLE - SANITARY SEWER
T.F.=262.55

NOTES:

1. FOR ROW INFORMATION SEE DWG. NO. ROW-01.
2. ALL UTILITY VALVES/GATES WITHIN THE LIMITS OF DISTURBANCE ARE TO BE RESET TO FINAL GRADE.
3. ALL CONCRETE HANDHOLES WITHIN THE LIMITS OF DISTURBANCE SHALL BE RESET TO FINAL GRADE UNLESS OTHERWISE NOTED ON THE PLANS.
4. ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE PROJECT AREA SHALL BE CLEANED IN ACCORDANCE WITH SECTION 6.53 OF FORM 819 AND PAID FOR UNDER THE LUMP SUM ITEM NO. 0653002A - CLEAN DRAINAGE SYSTEM.
5. ALL PROPOSED CTDOT STANDARD CATCH BASIN TOPS SHALL BE INSTALLED WITH TYPE "A" BICYCLE SAFE GRATES.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**

TOWN(S): **WATERBURY**

DRAWING TITLE: **DRAINAGE AND UTILITY PLAN**

PROJECT NO.: **0151-0340**

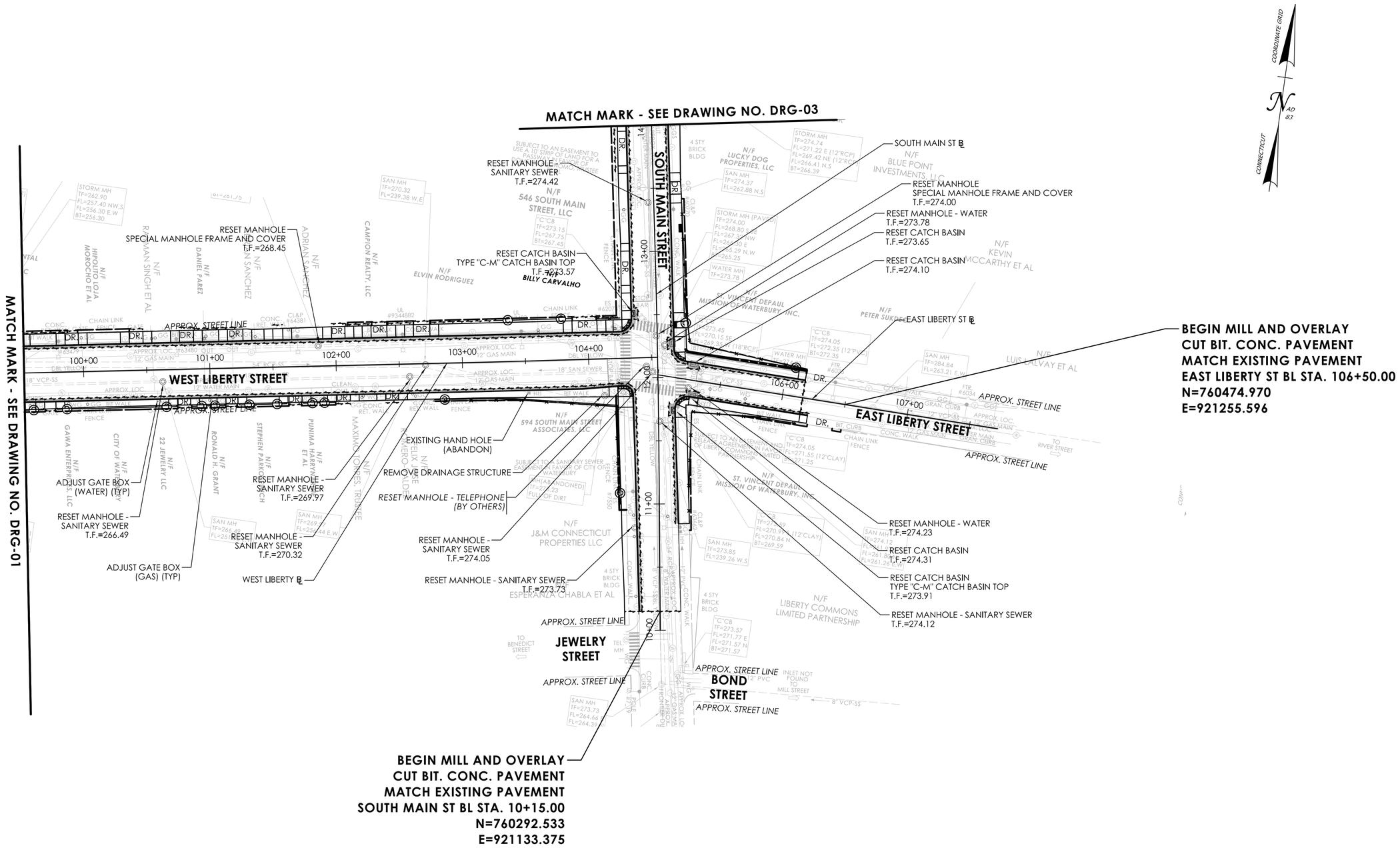
DRAWING NO.: **DRG-01**

SHEET NO.:

0151-0340

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOB522\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_DRG-01.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



NOTES:

1. REFER TO NOTES ON DRG-01

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

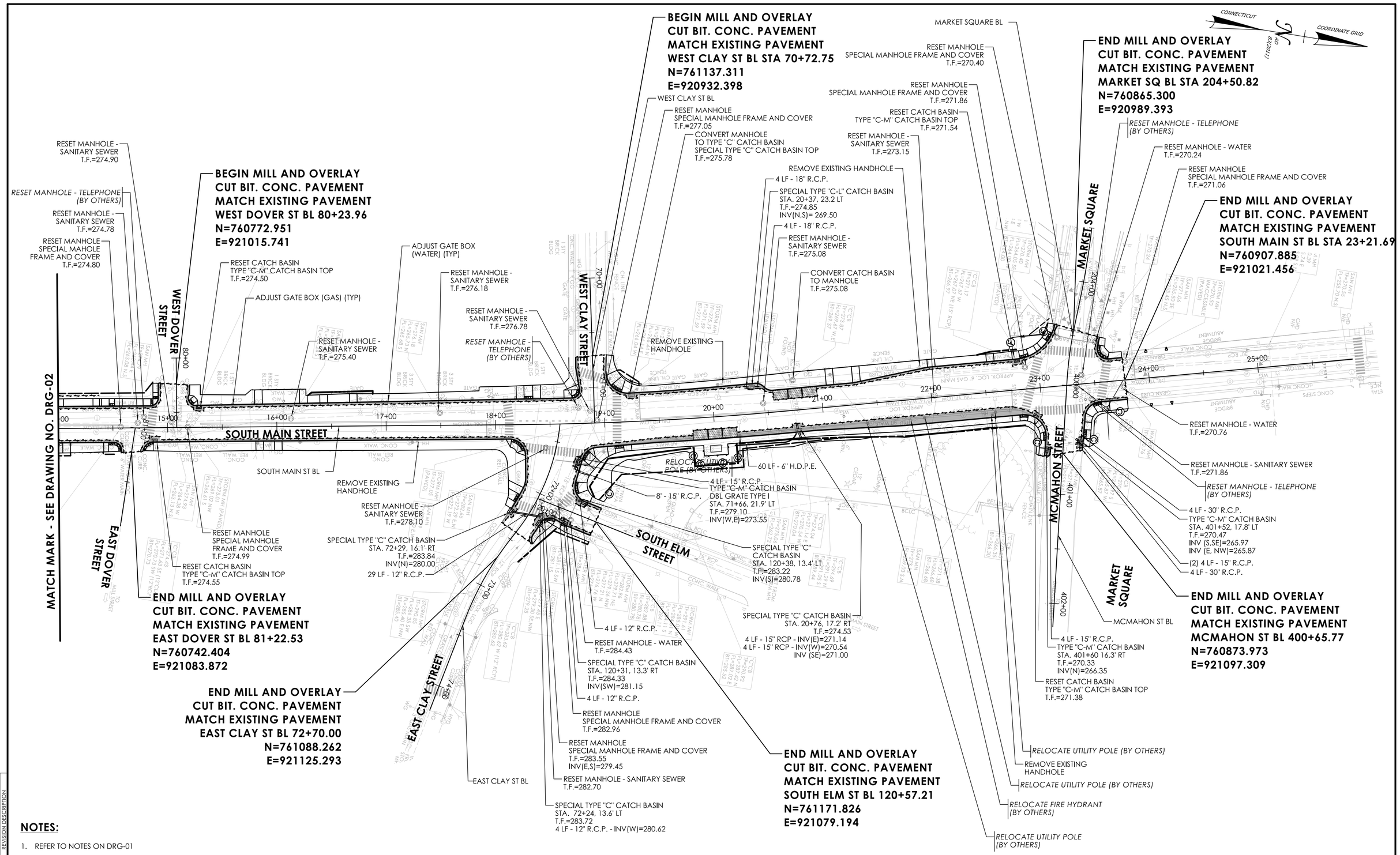
TOWN(S): WATERBURY

DRAWING TITLE: DRAINAGE AND UTILITY PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: DRG-02

SHEET NO.:



NOTES:

1. REFER TO NOTES ON DRG-01

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

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0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: DRAINAGE AND UTILITY PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: DRG-03

SHEET NO.:

0151-0340

LASTED SAVED BY: mvolanti **FILE NAME:** \\blcompanies.com\dfs\proj\JOB522\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_DRG-03.dgn
PLOTTED DATE: 8/21/2025

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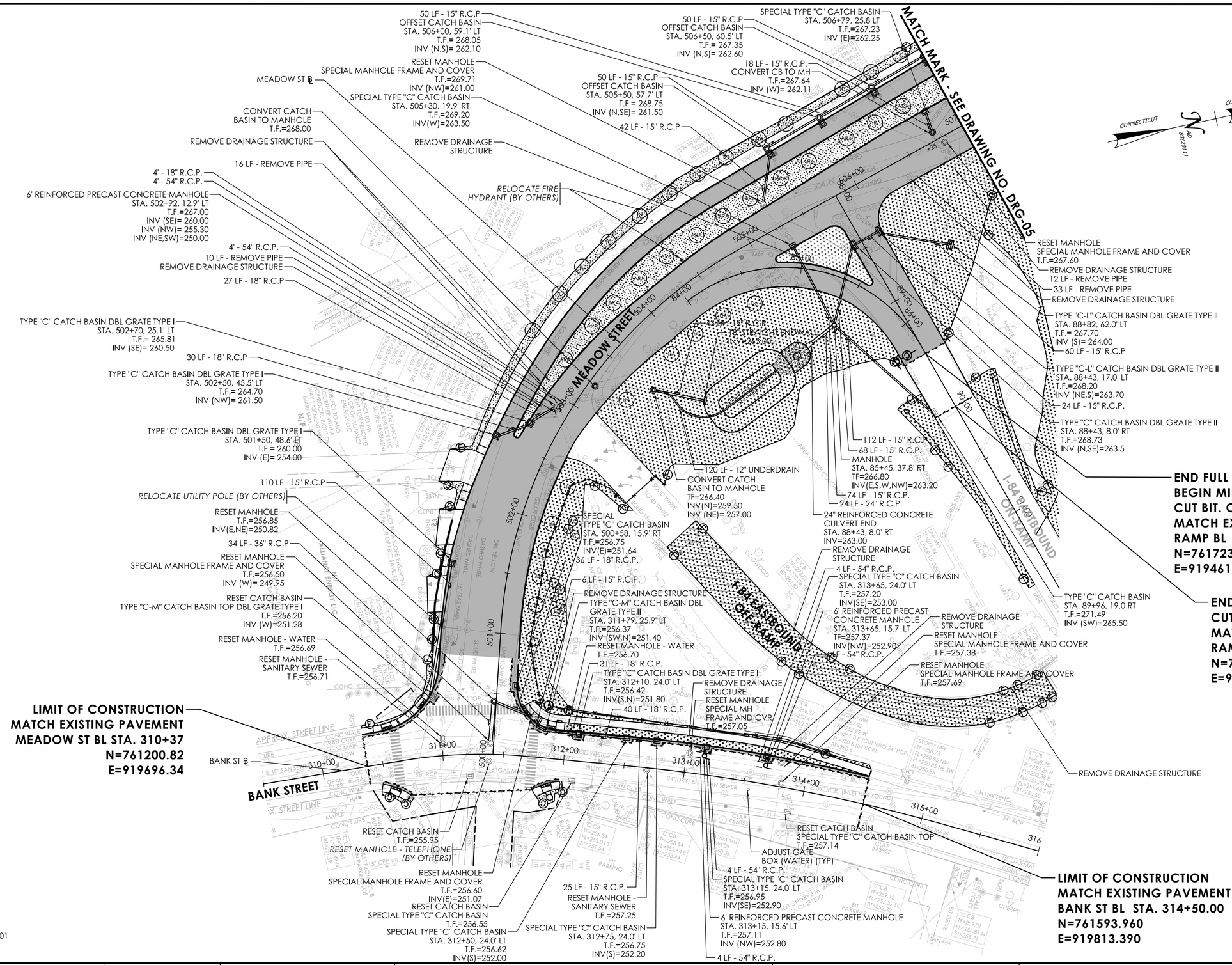


NOTES:

1. REFER TO NOTES ON DRG-01

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: MAV CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT
CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: DRAINAGE AND UTILITY PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: DRG-04

SHEET NO.:

0151-0340

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_DRG-04.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1

OFFSET CATCH BASIN
STA. 507+00, 61.9' LT
T.F.= 266.65
INV (N,S)= 263.10

50 LF - 15" R.C.P.

MEADOW ST ℄

OFFSET CATCH BASIN
STA. 507+50, 63.3' LT
T.F.= 265.95
INV (S)= 263.60

ROW MAP 151-13 SHS OF 4

OFFSET CATCH BASIN
STA. 508+25, 63.6' LT
T.F.= 264.95
INV (N)= 262.00

EASEMENT LINE

100 LF - 15" R.C.P.

SPECIAL TYPE "C" CATCH BASIN
STA. 508+50, 26.0' LT
T.F.= 264.90
INV (N)= 258.00

136 LF - 15" R.C.P.

OFFSET CATCH BASIN
STA. 509+25, 63.6' LT
T.F.= 263.55
INV (N,S)= 260.50

60 LF - 15" R.C.P.

REMOVE DRAINAGE STRUCTURE

40 LF - REMOVE PIPE

REMOVE DRAINAGE STRUCTURE

10 LF - REMOVE PIPE

EASEMENT LINE

ROW MAP 151-13 SHS OF 4

OFFSET CATCH BASIN
STA. 509+85, 63.5' LT
T.F.= 262.72
INV (N,S,E)= 258.80

38 LF - 15" R.C.P.

TYPE "C" CATCH BASIN DBL GRATE TYPE I
STA. 509+86, 26.0' LT
T.F.=263.00
INV(S,E)=256.50
INV(W)=258.50

65 LF - 15" R.C.P.

OFFSET CATCH BASIN
STA. 510+50, 64.4' LT
T.F.=261.82
INV(S)=259.10

SPECIAL TYPE "C" CATCH BASIN
STA. 510+50, 26.0' LT
T.F.= 263.00
INV (N)= 256.60

36 LF - 15" R.C.P.

REMOVE DRAINAGE STRUCTURE
18 LF - REMOVE PIPE

12 LF - 15" R.C.P.
INV OUT=259.19

TYPE "C" CATCH BASIN
DBL GRATE TYPE II
STA. 511+00, 64.3' LT
T.F.=261.75
INV(N,E,W)=257.20

CONVERT CATCH BASIN
TO MANHOLE
T.F.=262.22
INV(W)=255.92
INV(E)=255.82

37 LF - 18" R.C.P.

TYPE "C" CATCH BASIN DBL GRATE TYPE I
STA. 511+30, 26.0' LT
T.F.=262.22
INV(S)=256.6

40 LF - 24" R.C.P.

29 LF - 24" R.C.P.

SPECIAL TYPE "C" CATCH BASIN
STA. 511+30, 60.4' LT
T.F.= 261.90
INV(S)= 257.5
INV(N)= APPROX. 258.05

4 LF - 24" R.C.P.

TYPE "C" CATCH BASIN DBL GRATE TYPE II
STA. 510+90, 26.0' LT
T.F.=262.00
INV(N,S,E,W)=256.10

16 LF - 24" R.C.P.

REMOVE DRAINAGE STRUCTURE

RESET MANHOLE
SPECIAL MANHOLE
FRAME AND COVER
T.F.=269.19

12 LF - 15" R.C.P.

TYPE "C" CATCH BASIN
DBL GRATE TYPE I
STA. 514+00, 19.9' LT
T.F.=269.50
INV(S)=266.0

CONNECTICUT
GRID
COORDINATE GRID

RESET CATCH BASIN
SPECIAL TYPE "C" CATCH BASIN TOP
T.F.=272.58

RESET MANHOLE
SPECIAL MANHOLE FRAME AND COVER
T.F.=273.16

LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
MEADOW ST BL STA. 512+55.31
N=762319.940
E=919110.720

MEADOW STREET

508+00 509+00 510+00 511+00 512+00 513+00 514+00 515+00 516+00 517+00

MATCH MARK - SEE DRAWING NO. DRG-04

REMOVE DRAINAGE STRUCTURE
38' - 15" R.C.P.

RESET MANHOLE
SPECIAL MANHOLE
FRAME AND COVER
T.F.=263.15
INV(W)= 256.00

SPECIAL TYPE "C" CATCH BASIN
STA. 509+80. 25.4 RT
T.F.=262.80
4 LF - 15" RCP - INV(W)=259.71

APPROXIMATE LOCATION OF
EXISTING FIBEROPTIC LINES

REMOVE DRAINAGE STRUCTURE

RESET MANHOLE
SPECIAL MANHOLE FRAME AND COVER
T.F.=265.15
INV(E)=261.90

4 LF - 15" R.C.P.

SPECIAL TYPE "C" CATCH BASIN
STA. 508+47, 21.0' RT
T.F.=264.85
INV(W)=262.00

REMOVE DRAINAGE STRUCTURE

I-84 WESTBOUND OFF-RAMP

190+00

4 LF- 42" R.C.P.
MANHOLE 6' DIAMETER
STA. 551+78, 23.2 RT
T.F.=259.10
INV(N)=253.50
INV(E,W)=251.25

191+00

4 LF- 42" R.C.P.

4 LF- 15" R.C.P.

TYPE "C" CATCH BASIN
DBL GRATE TYPE I
STA. 551+77, 16.2' RT
T.F.=258.80
INV(S)=253.80

REMOVE DRAINAGE STRUCTURE

TYPE "C" CATCH BASIN
DBL GRATE TYPE II
STA. 552+13, 16.0' RT
T.F.=258.57
INV(N)=254.8

4 LF- 15" R.C.P.

RESET MANHOLE
SPECIAL MANHOLE FRAME AND COVER
T.F.=258.73
INV(NW)=251.83
INV(S)=254.63

551+00

FIELD STREET

FIELD ST ℄

552+00

TYPE "C" CATCH BASIN
DBL GRATE TYPE I
STA. 551+50, 40.5' RT
T.F.=259.12
INV(N)=253.37

23 LF - 24" R.C.P.

RESET CATCH BASIN
SPECIAL TYPE "C" CATCH BASIN TOP
T.F.=258.70

4 LF - 24" R.C.P.

SPECIAL TYPE "C" CATCH BASIN
STA. 552+08, 4.5' LT
T.F.=258.83
INV(SE)=251.98

8 LF - 24" R.C.P.

LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
FIELD ST BL STA. 552+74.61
N=762137.070
E=919447.400

TYPE "C-M" CATCH BASIN
STA. 511+22, 18.0 RT
T.F.=262.32
INV(E)=259.99

4 LF - 15" R.C.P.

43 LF - 15" R.C.P.

REMOVE PIPE

SPECIAL TYPE "C" CATCH BASIN
STA. 550+33, 29.7' LT
T.F.=261.68
INV(W)=257.00

TYPE "C" CATCH BASIN DBL GRATE TYPE I
STA. 512+00, 25.9' LT
T.F.=263.52
INV(NW,SE)=260.00

65 LF - 18" R.C.P.

RESET CATCH BASIN
SPECIAL TYPE "C" CATCH BASIN TOP
T.F.=272.67

RESET MANHOLE
SPECIAL MANHOLE FRAME AND COVER
T.F.=268.35

CONVERT CATCH BASIN TO MANHOLE
T.F.=267.30
INV(NE)=263.20

8 LF - 18" R.C.P.

TYPE "C" CATCH BASIN DBL GRATE TYPE I
STA. 513+10, 19.4' LT
T.F.=266.70
INV(SW)=263.80

TYPE "C" CATCH BASIN DBL GRATE TYPE I
STA. 512+50, 25.2' LT
T.F.=265.17
INV(SE)=261.67

46 LF - 18" R.C.P.

NOTES:

1. REFER TO NOTES ON DRG-01

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: MAV CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT
CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: DRAINAGE AND UTILITY PLAN

PROJECT NO.: 0151-0340

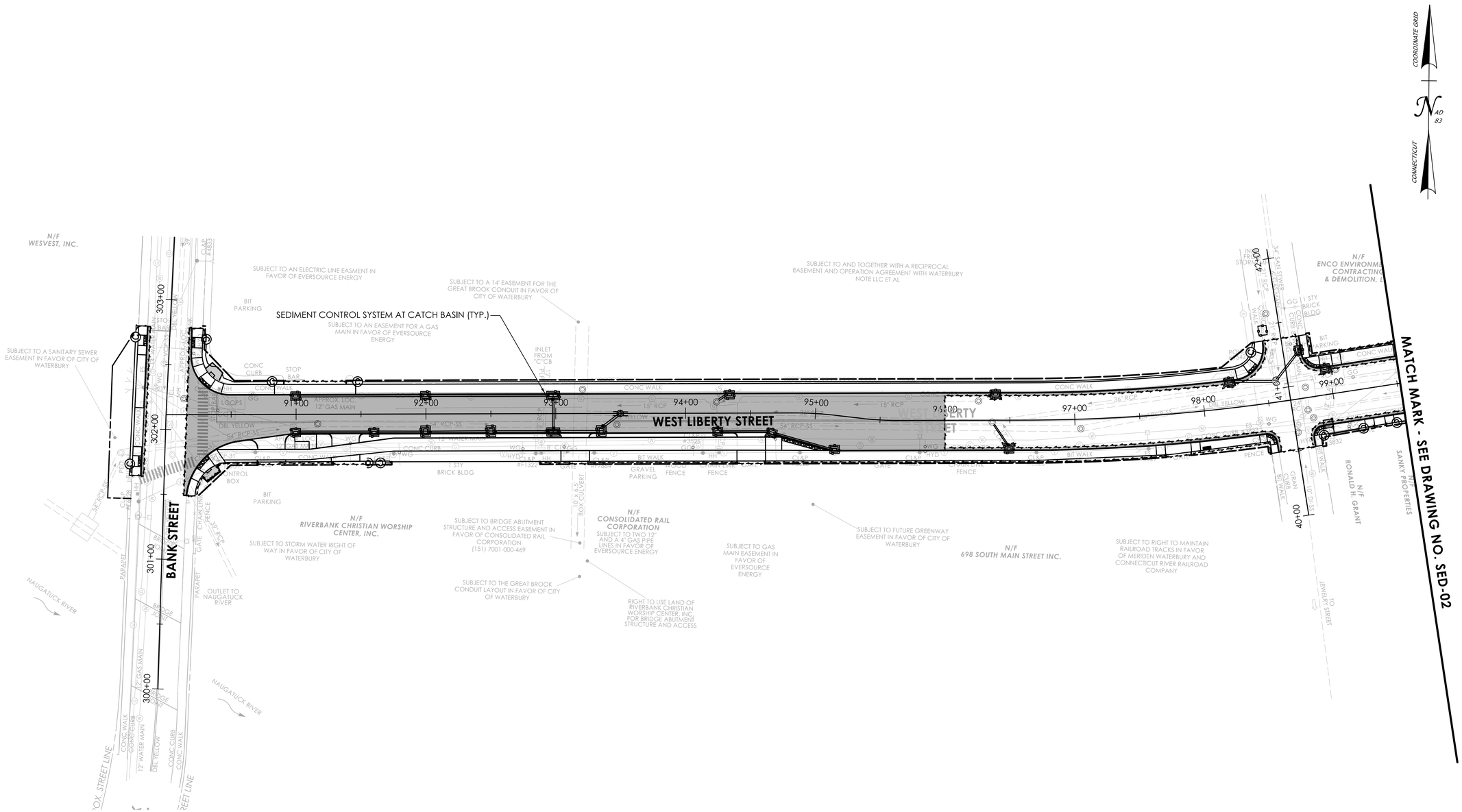
DRAWING NO.: DRG-05

SHEET NO.:

0151-0340

LASTED SAVED BY: mvolanti **FILE NAME:** \\blcompanies.com\dfs\proj\JOB522\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_DRG-05.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



LEGEND

SEDIMENTATION CONTROL SYSTEM

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE 1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: SEDIMENTATION AND EROSION CONTROL PLAN

PROJECT NO.: 0151-0340

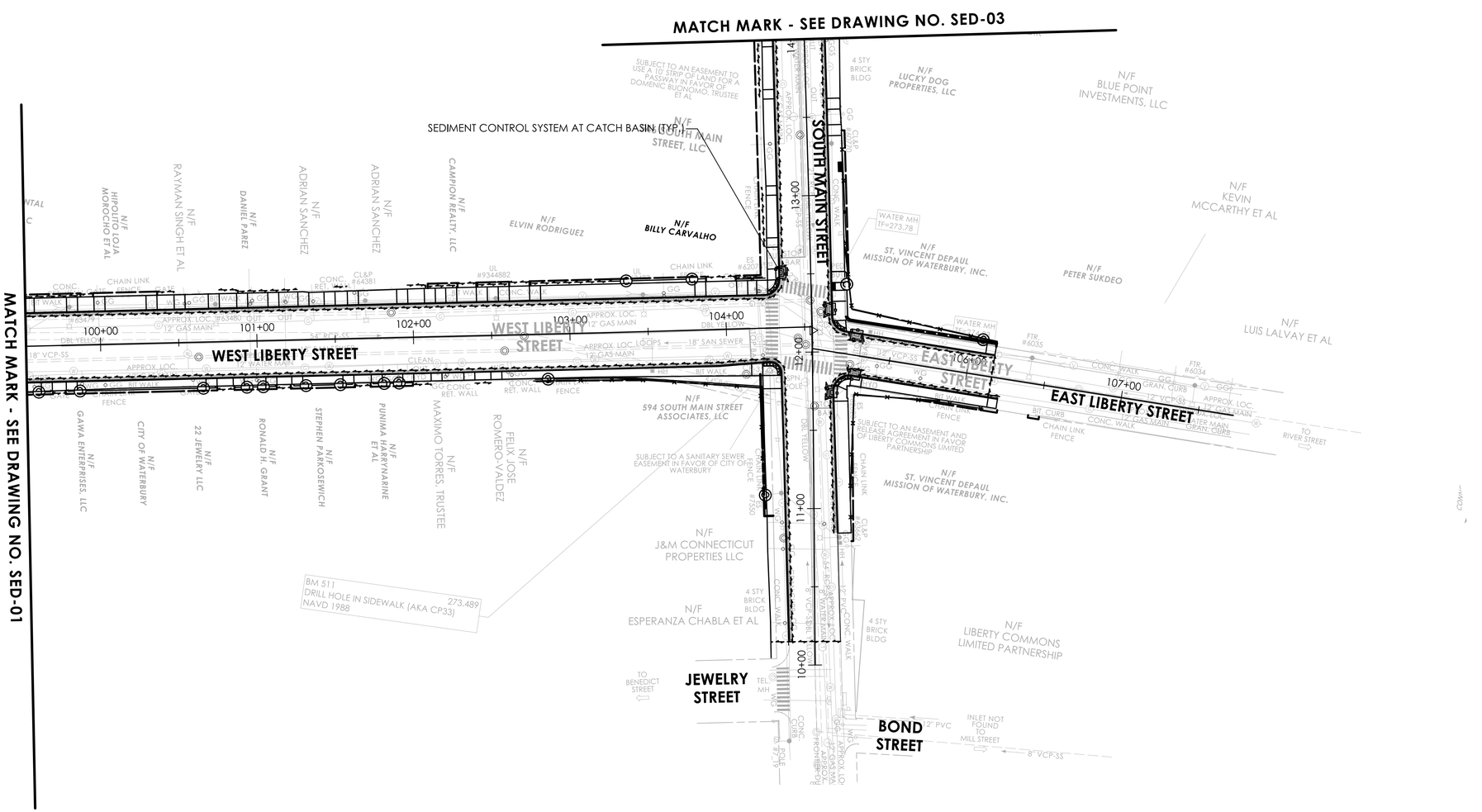
DRAWING NO.: SED-01

SHEET NO.:

0151-0340

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_SED-01.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



LEGEND

SEDIMENTATION CONTROL SYSTEM

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: SEDIMENTATION AND EROSION CONTROL PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: SED-02

SHEET NO.:

0151-0340 **LASTED SAVED BY:** CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_SED-02.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1

CONNECTICUT
COORDINATE GRID
NAD 83(2011)

MATCH MARK - SEE DRAWING NO. SED-02

WEST DOVER STREET
EAST DOVER STREET
SOUTH MAIN STREET
WEST CLAY STREET
EAST CLAY STREET
SOUTH ELM STREET
MARKET SQUARE
MCMAHON STREET
INTERSTATE-84 (YANKEE EXPRESSWAY)

SEDIMENT CONTROL SYSTEM AT CATCH BASIN (TYP.)

N/F DOMENIC BUONOMO TRUSTEE OF THE TRUST FOR THOMAS DeLEON
RIGHT TO USE A 10 FOOT STRIP OF LAND OF THE MAIN STREET LLC FOR A PARKING
N/F MARIA GONZALEZ
N/F JOHN PERRAULT
N/F CEDAR VALLEY ASSOCIATES, L.L.C.
SUBJECT TO AN ELECTRIC EASEMENT IN FAVOR OF EVERSOURCE ENERGY
N/F WATERBURY CT HOLDINGS, LLC
N/F 37 ST CLAY ST, LLC
N/F CARLOS M. ALMEIDA ET AL
N/F HOUSING AUTHORITY OF THE CITY OF WATERBURY
SUBJECT TO AN ASSIGNMENT OF RIGHT OF WAY FOR UTILITY SERVICE IN FAVOR OF EVERSOURCE ENERGY
N/F ALL SAINTS PARISH CORPORATION
N/F DROBADJE MOHAMMED
N/F INDERA SINGH ET AL
N/F CITY OF WATERBURY
N/F STATE OF CONNECTICUT (D.O.T.) (151-78-84)
SUBJECT TO AND TOGETHER WITH A R.O.W. WITH CITY OF WATERBURY
SUBJECT TO AND TOGETHER WITH A STATE OF CT R.O.W. WITH CITY OF WATERBURY (D.O.T.)
N/F STATE OF CONNECTICUT (D.O.T.) (151-78-84A)
N/F STATE OF CONNECTICUT (D.O.T.) (151-78-207)
N/F ALL SAINTS PARISH CORPORATION 301 SOUTH MAIN STREET 757/218
CONC. RET. WALL
CMP N/F
BRIDGE ABUTMENT
CMP NON-PERM
TO EAST MAIN STREET

15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00
70+00 71+00 72+00 73+00 74+00
200+00 201+00 202+00 203+00 204+00
400+00 401+00 402+00

LEGEND

SEDIMENTATION CONTROL SYSTEM

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE 1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

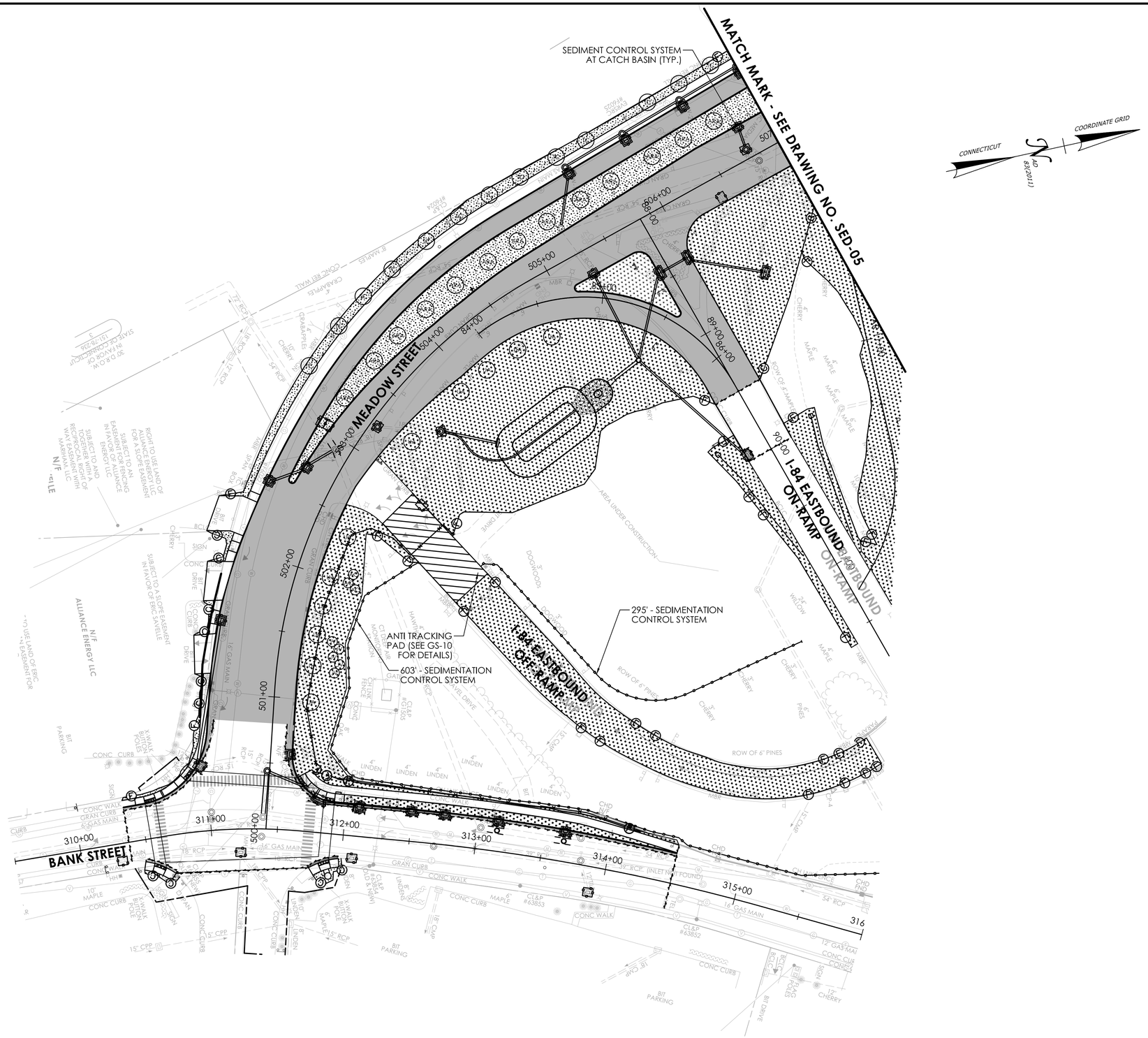
DRAWING TITLE: SEDIMENTATION AND EROSION CONTROL PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: SED-03
SHEET NO.:

0151-0340
LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOB522\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_SED-03.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



LEGEND

- SEDIMENTATION CONTROL SYSTEM
- REMOVAL OF BITUMINOUS CONCRETE - REPLACE WITH TURF ESTABLISHMENT AND 4" TOPSOIL
- TURF ESTABLISHMENT AND 4" TOPSOIL
- FULL DEPTH PAVEMENT RECONSTRUCTION

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE 1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

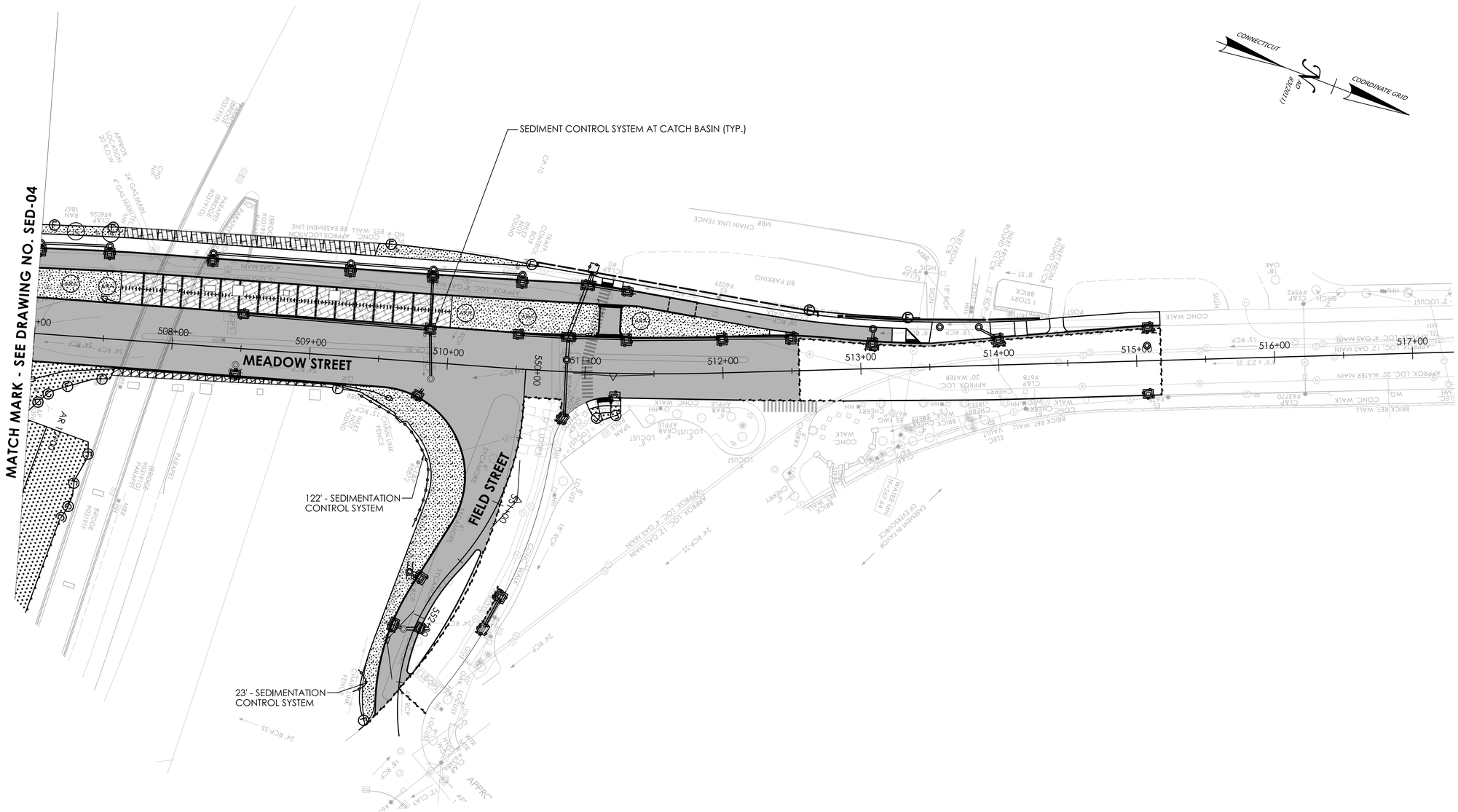
TOWN(S): WATERBURY

DRAWING TITLE: SEDIMENTATION AND EROSION CONTROL PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: SED-04

SHEET NO.:



LEGEND

- SEDIMENTATION CONTROL SYSTEM
- REMOVAL OF BITUMINOUS CONCRETE - REPLACE WITH TURF ESTABLISHMENT AND 4" TOPSOIL
- TURF ESTABLISHMENT AND 4" TOPSOIL
- FULL DEPTH PAVEMENT RECONSTRUCTION

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 40' 80'
HORIZONTAL SCALE 1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**

TOWN(S): **WATERBURY**

DRAWING TITLE: **SEDIMENTATION AND EROSION CONTROL PLAN**

PROJECT NO.: **0151-0340**

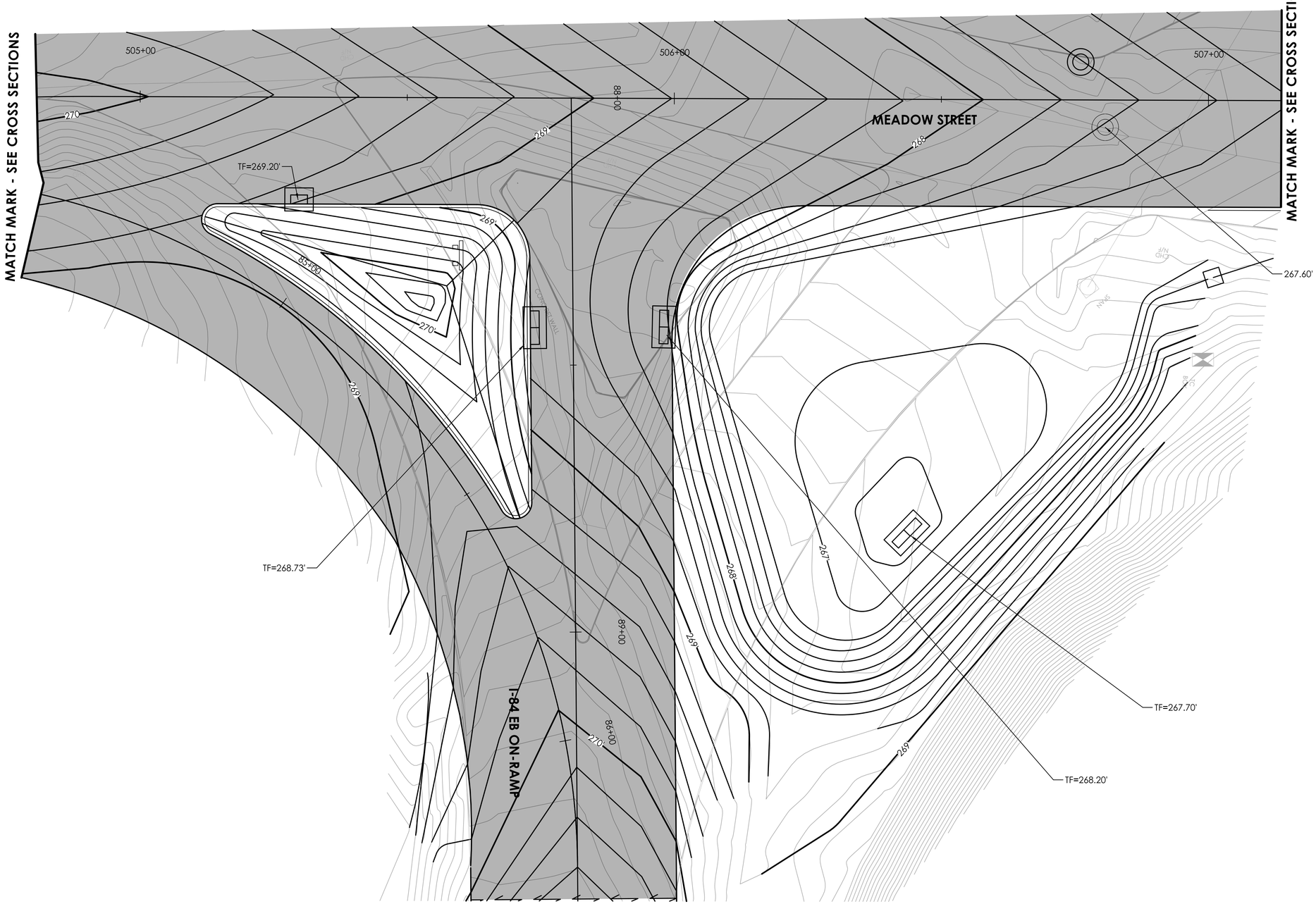
DRAWING NO.: **SED-05**

SHEET NO.:

0151-0340

LASTED SAVED BY: JTurecek **FILE NAME:** \\\blcompanies.com\dfs\proj\JOB522\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_SED-05.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



MEADOW ST AND I-84 EASTBOUND ON-RAMP INTERSECTION GRADING

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 10' 20'
HORIZONTAL SCALE
1" = 10'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: INTERSECTION GRADING PLAN

PROJECT NO.: 0151-0340

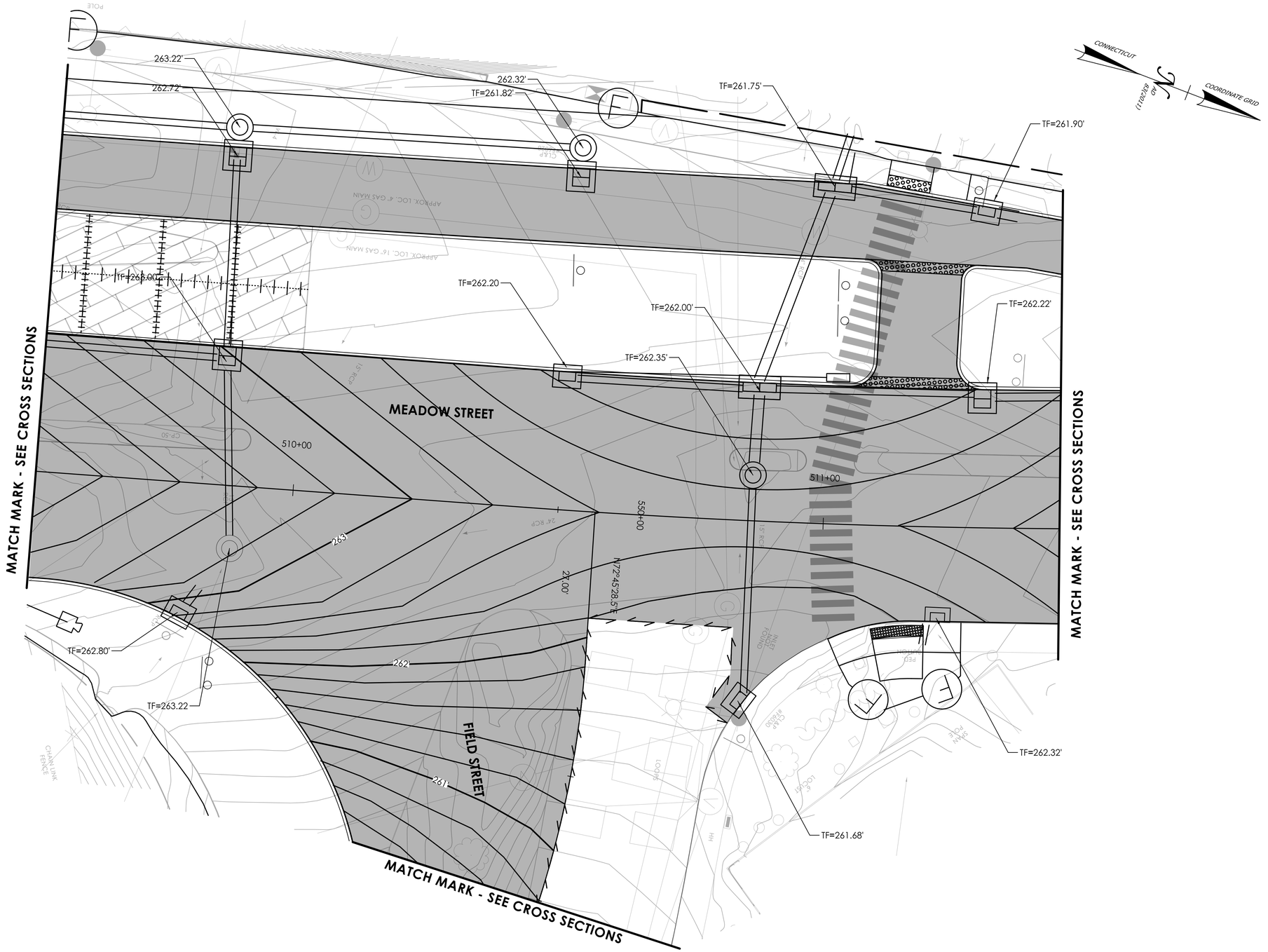
DRAWING NO.: IGP-01

SHEET NO.:

0151-0340

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_IGP-01.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



MEADOW AND FIELD STREET INTERSECTION GRADING

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 10' 20'
HORIZONTAL SCALE
1" = 10'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: INTERSECTION GRADING PLAN

PROJECT NO.: 0151-0340

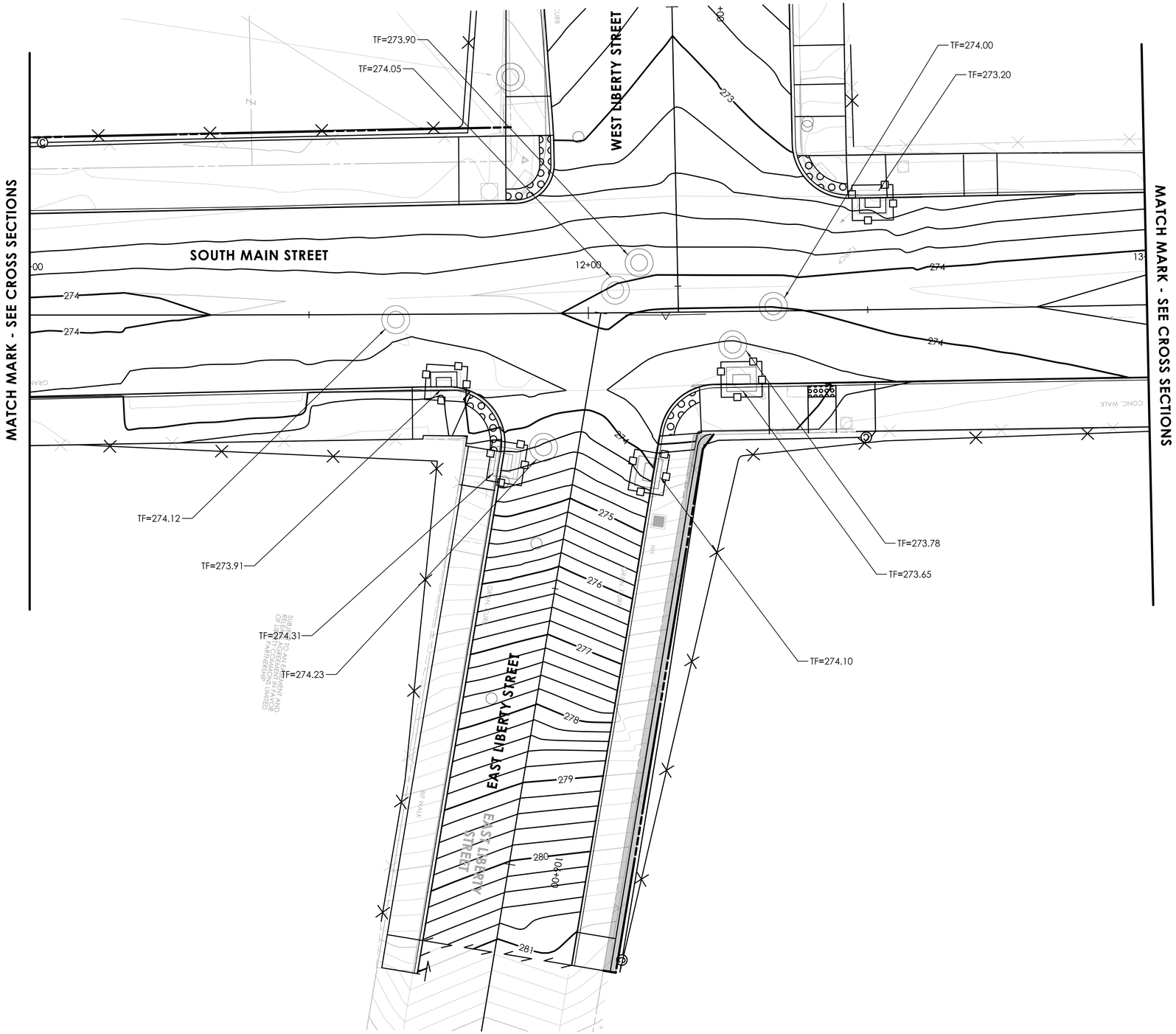
DRAWING NO.: IGP-02

SHEET NO.:

0151-0340

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_IGP-02.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



SOUTH MAIN STREET, WEST LIBERTY STREET, AND EAST LIBERTY STREET INTERSECTION GRADING

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CLM CHECKED BY: SDF

0 10' 20'
HORIZONTAL SCALE
1" = 10'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: INTERSECTION GRADING PLAN

PROJECT NO.: 0151-0340

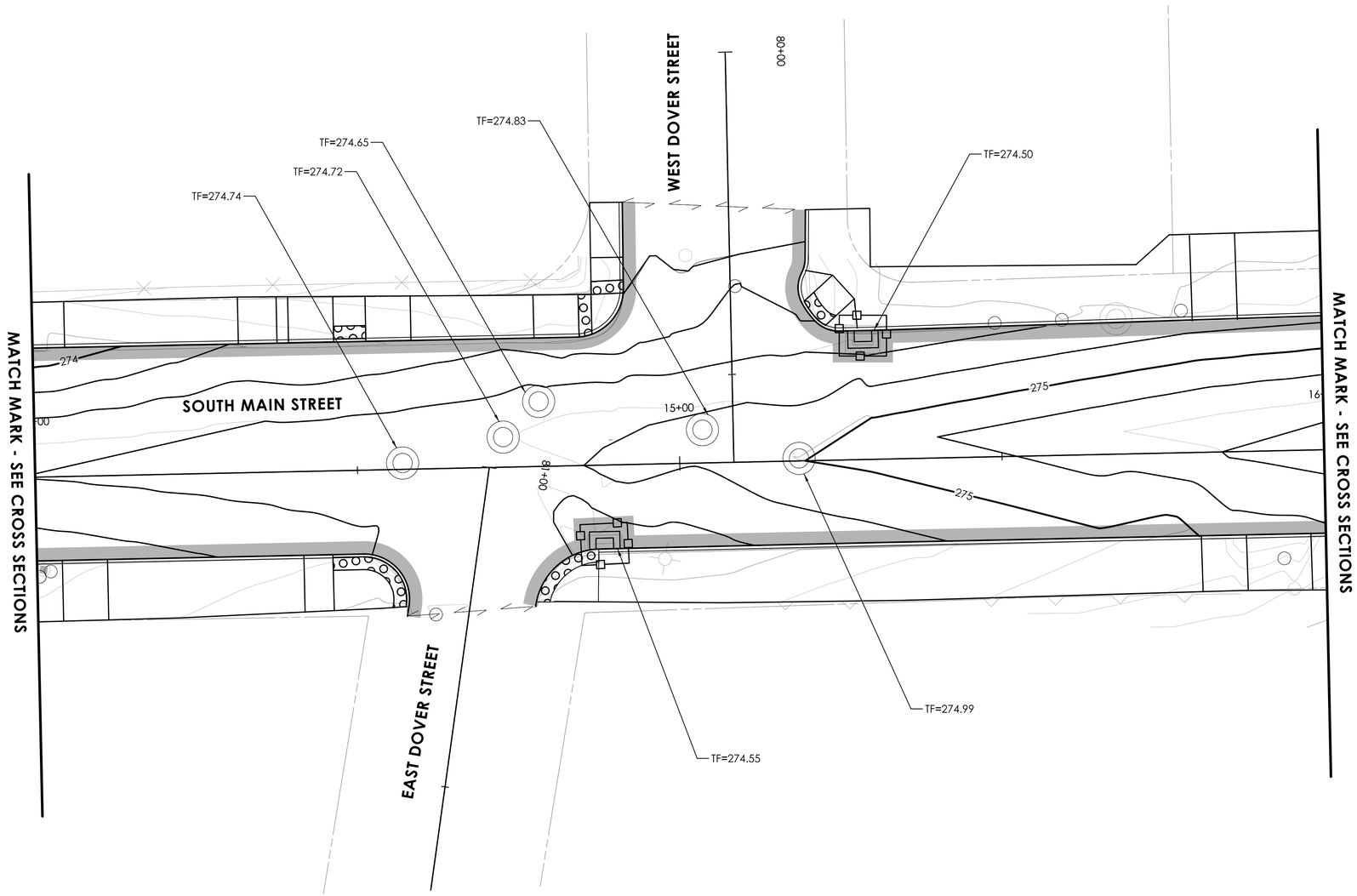
DRAWING NO.: IGP-03

SHEET NO.:

0151-0340

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_IGP-03.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



SOUTH MAIN STREET, WEST DOVER STREET, AND EAST DOVER STREET INTERSECTION GRADING

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CLM CHECKED BY: SDF

0 10' 20'
HORIZONTAL SCALE
1" = 10'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: INTERSECTION GRADING PLAN

PROJECT NO.: 0151-0340

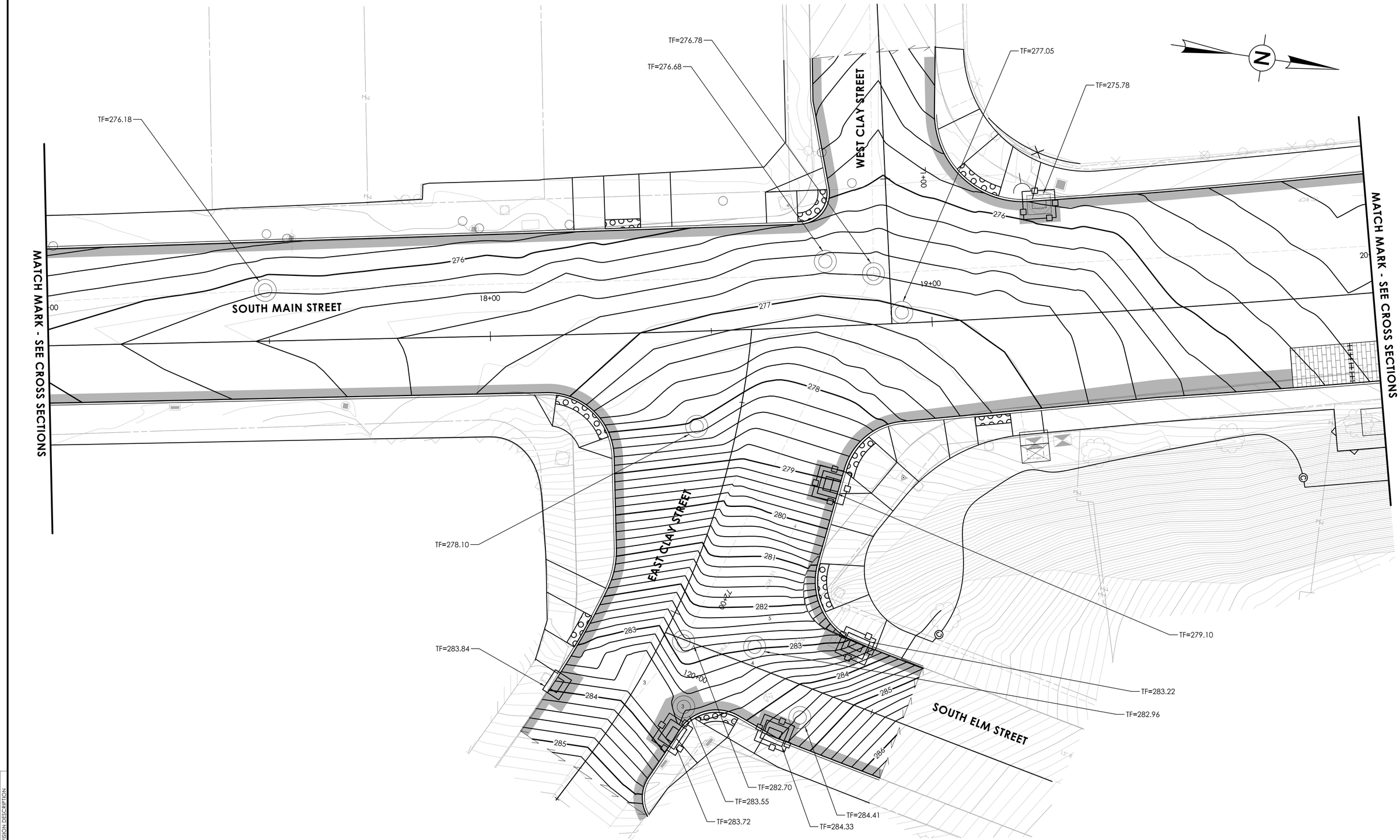
DRAWING NO.: IGP-04

SHEET NO.:

0151-0340

LASTED SAVED BY: CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_IGP-04.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



SOUTH MAIN STREET, WEST CLAY STREET, EAST CLAY STREET AND SOUTH ELM STREET INTERSECTION GRADING

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CLM CHECKED BY: SDF

0 10' 20'
HORIZONTAL SCALE
1" = 10'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: INTERSECTION GRADING PLAN

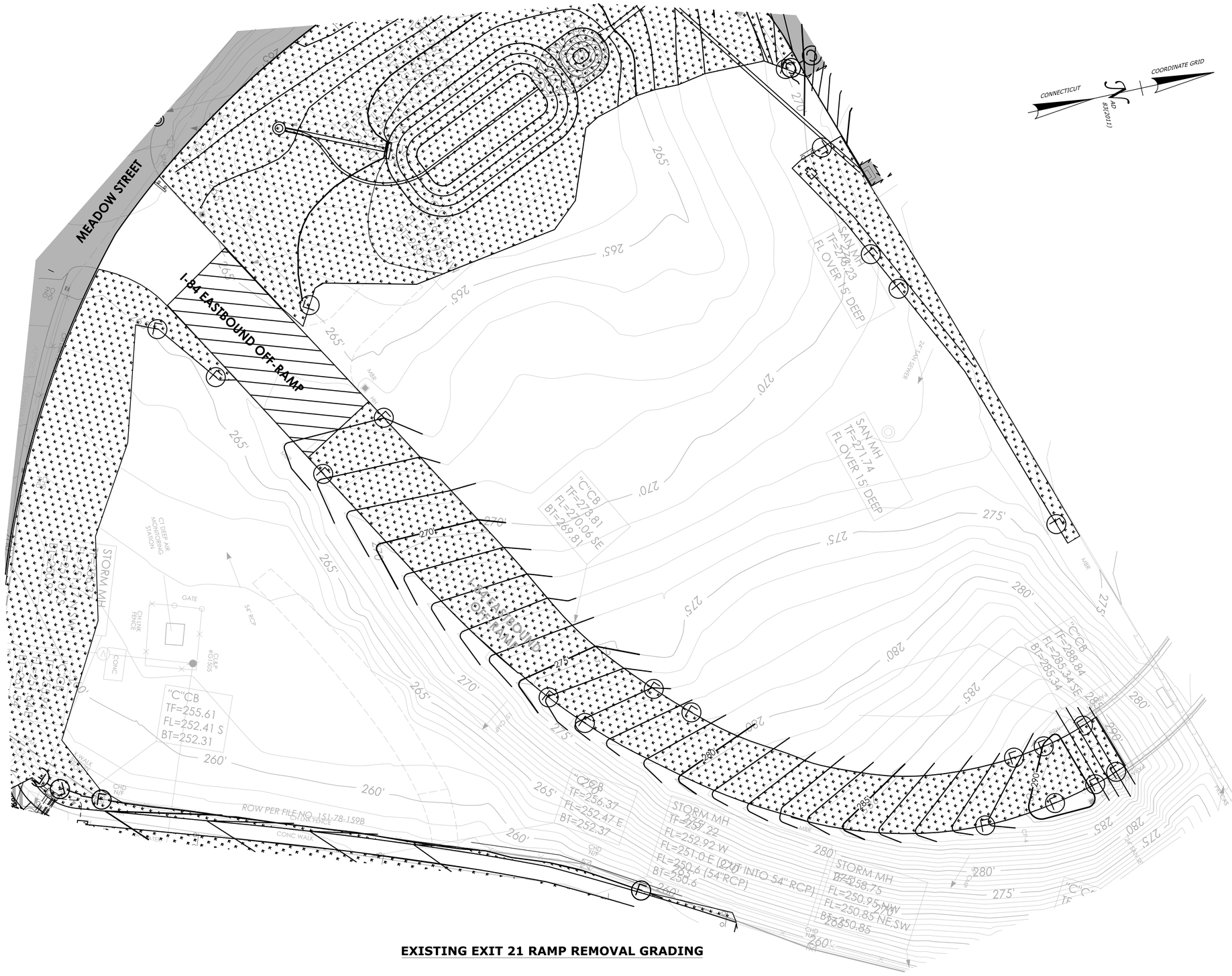
PROJECT NO.: 0151-0340

DRAWING NO.: IGP-05

SHEET NO.:

0151-0340 **LASTED SAVED BY:** CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_IGP-05.dgn
PLOTTED DATE: 8/21/2025

ADDENDUM NO. 1



EXISTING EXIT 21 RAMP REMOVAL GRADING

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: BCT CHECKED BY: CLM

0 20' 40'
HORIZONTAL SCALE 1" = 20'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: OFF-RAMP REMOVAL GRADING PLAN

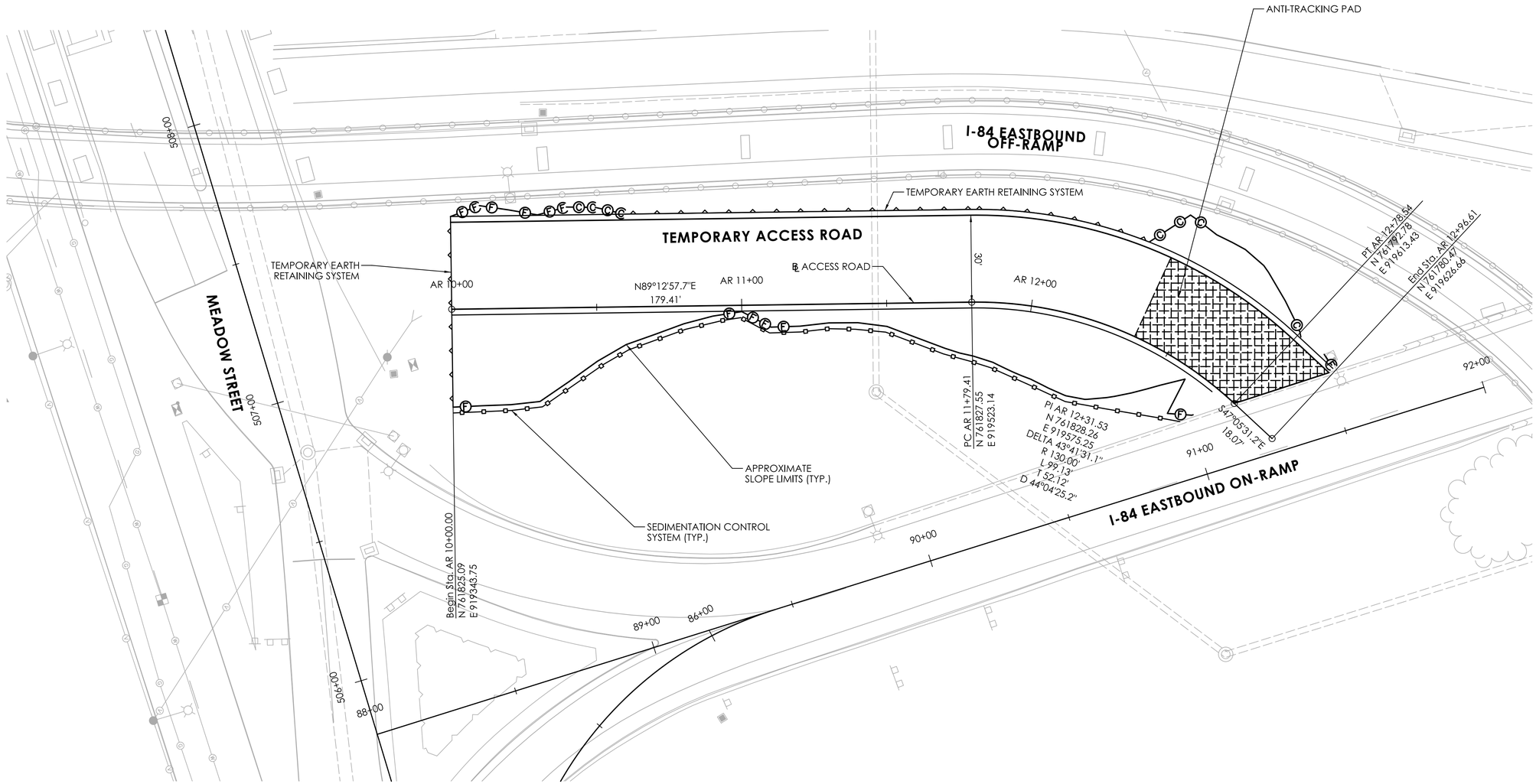
PROJECT NO.: 0151-0340

DRAWING NO.: GRD-01

SHEET NO.:

0151-0340 **LASTED SAVED BY:** CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_GRD-01.dgn
PLOTTED DATE: 8/21/2025

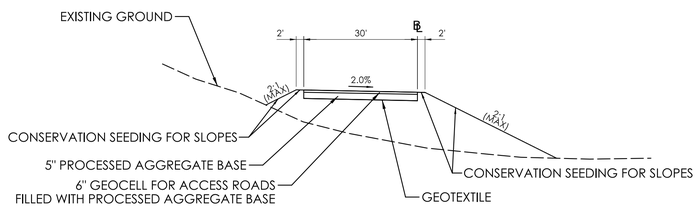
ADDENDUM NO. 1



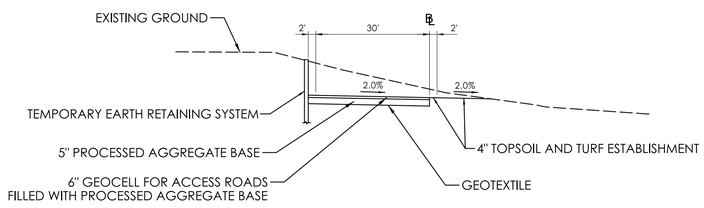
NOTE:

1. SITE IS TO BE RESTORED TO MATCH EXISTING CONDITIONS USING TOPSOIL AND TURF ESTABLISHMENT, PAID UNDER ITEM NO. 0944000 AND ITEM NO. 0950005, RESPECTIVELY.

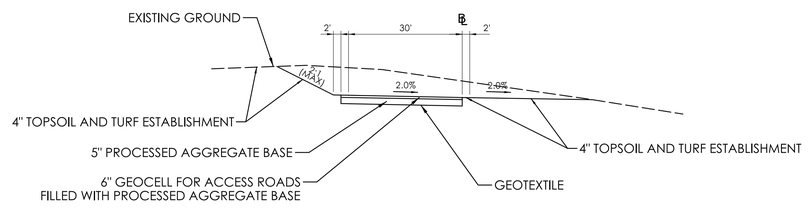
ACCESS ROAD PLAN



ACCESS ROAD TYPICAL SECTION - FILL CONDITION
N.T.S.



ACCESS ROAD TYPICAL SECTION - EARTH RETAINING SYSTEM
N.T.S.



ACCESS ROAD TYPICAL SECTION - CUT CONDITION
N.T.S.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CLM CHECKED BY: SDF

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: TEMPORARY ACCESS ROAD PLAN

PROJECT NO.: 0151-0340

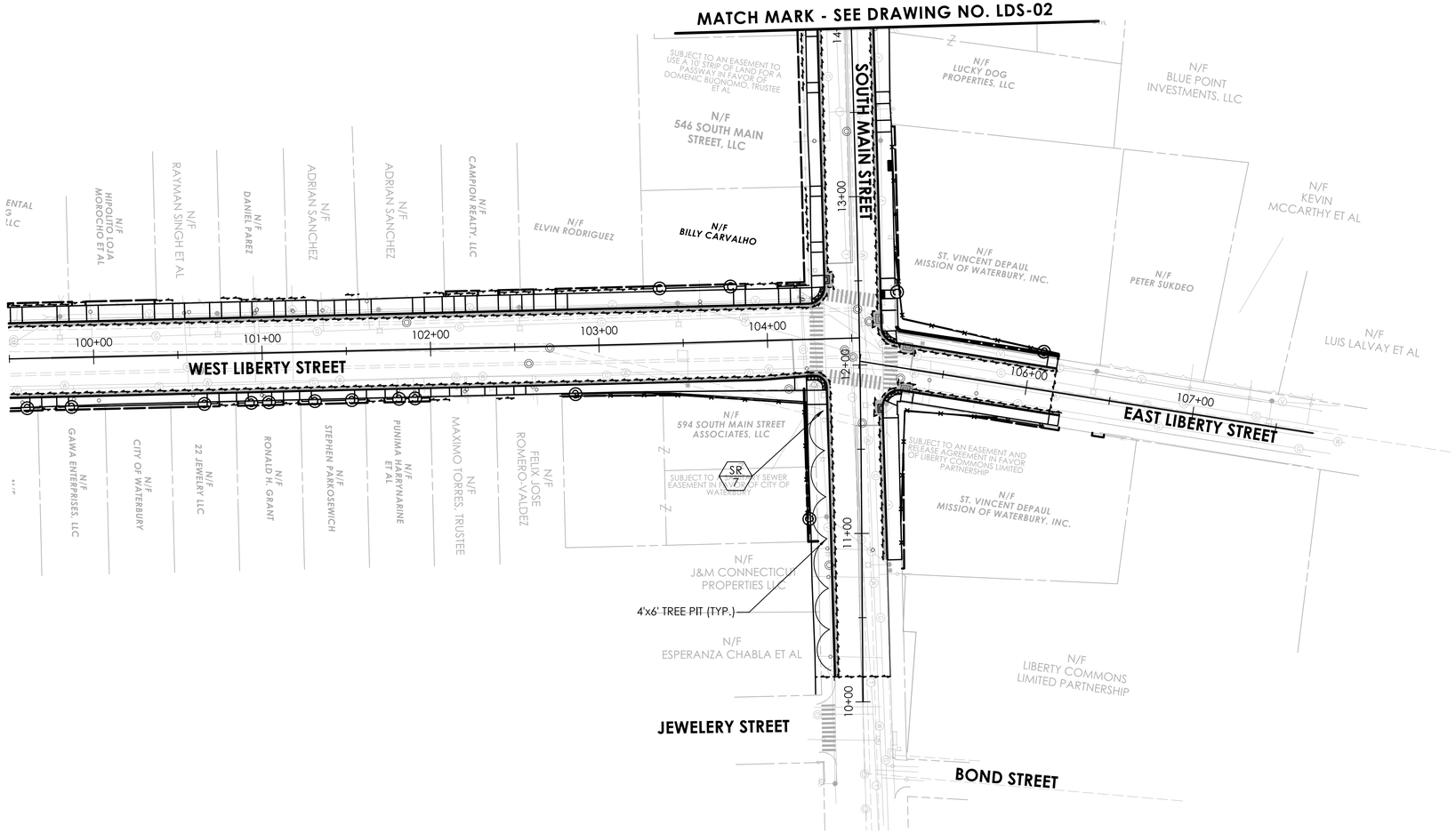
DRAWING NO.: TAR-01

SHEET NO.:

LASTED SAVED BY: CMastriano FILE NAME: \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Highways\Contract_Plans\HW_CP_0151_0340_TAR-01.dgn
PLOTTED DATE: 8/21/2025

PLANTING SCHEDULE

ITEM NUMBER	KEY	COMMON NAME	BOTANICAL NAME	SIZE	QTY	NOTES
0949131	SR	"IVORY SILK" JAPANESE TREE LILAC	SYRINGA RETICULATA	2-2.5" CAL B.B.	7	MINIMUM 6' BRANCH HEIGHT



NOTES:

1. FOR TREE PIT DETAIL SEE DWG. NO. MDS-01.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

0 40' 80'
HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: LANDSCAPING PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: LDS-01

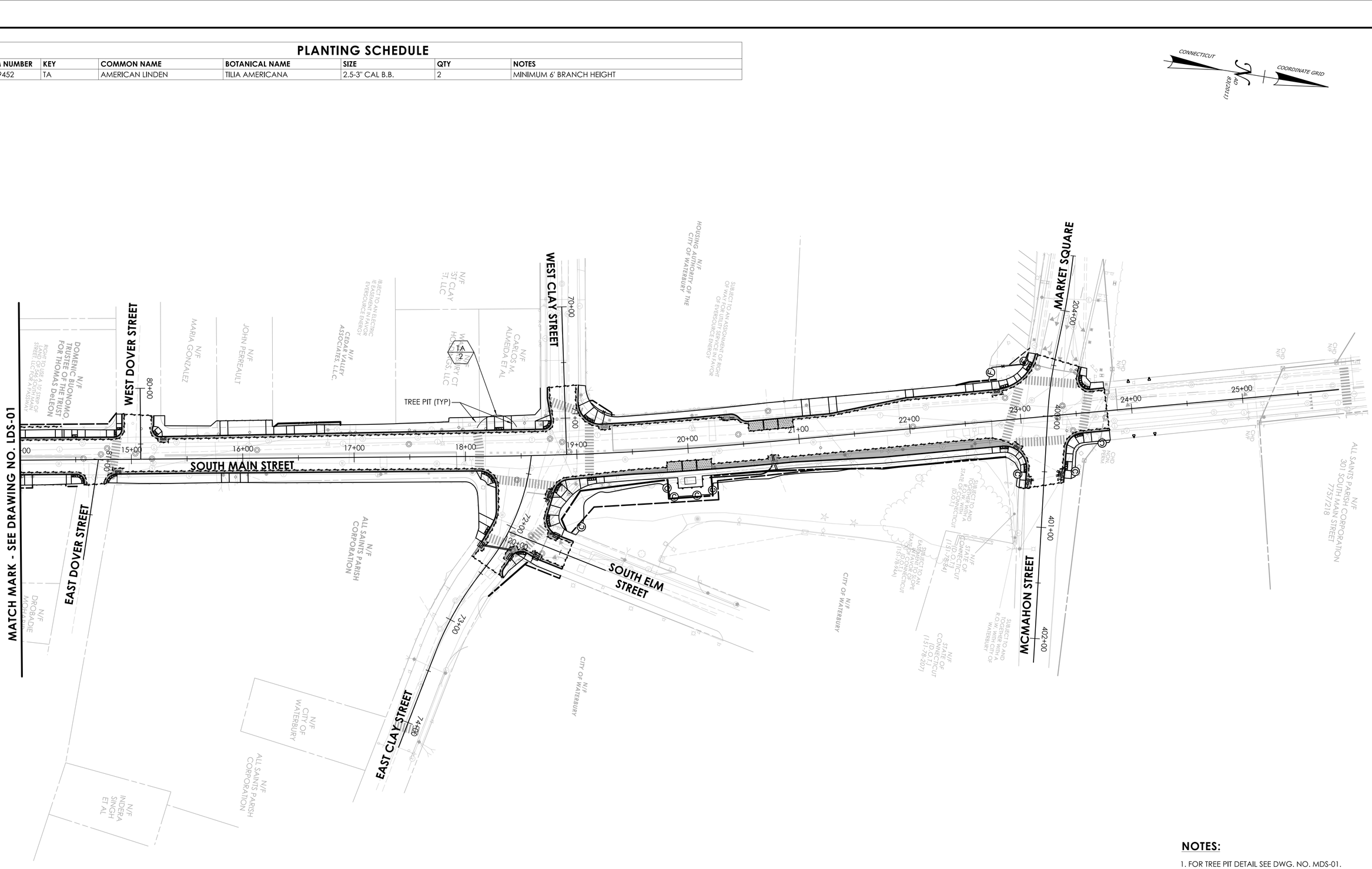
SHEET NO.: 09.02

0151-0340 **LASTED SAVED BY:** CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Landscape\Contract_Plans\HW_CP_0151_0340_LDS-01.dgn
PLOTTED DATE: 8/15/2025

ADDENDUM NO. 1

PLANTING SCHEDULE

ITEM NUMBER	KEY	COMMON NAME	BOTANICAL NAME	SIZE	QTY	NOTES
0949452	TA	AMERICAN LINDEN	TILIA AMERICANA	2.5-3" CAL B.B.	2	MINIMUM 6' BRANCH HEIGHT



NOTES:

1. FOR TREE PIT DETAIL SEE DWG. NO. MDS-01.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

0 40' 80'
HORIZONTAL SCALE 1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: LANDSCAPING PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: LDS-02

SHEET NO.: 09.03

0151-0340 **LASTED SAVED BY:** CMastriano **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Landscape\Contract_Plans\HW_CP_0151_0340_LDS-02.dgn
PLOTTED DATE: 8/15/2025

ADDENDUM NO. 1

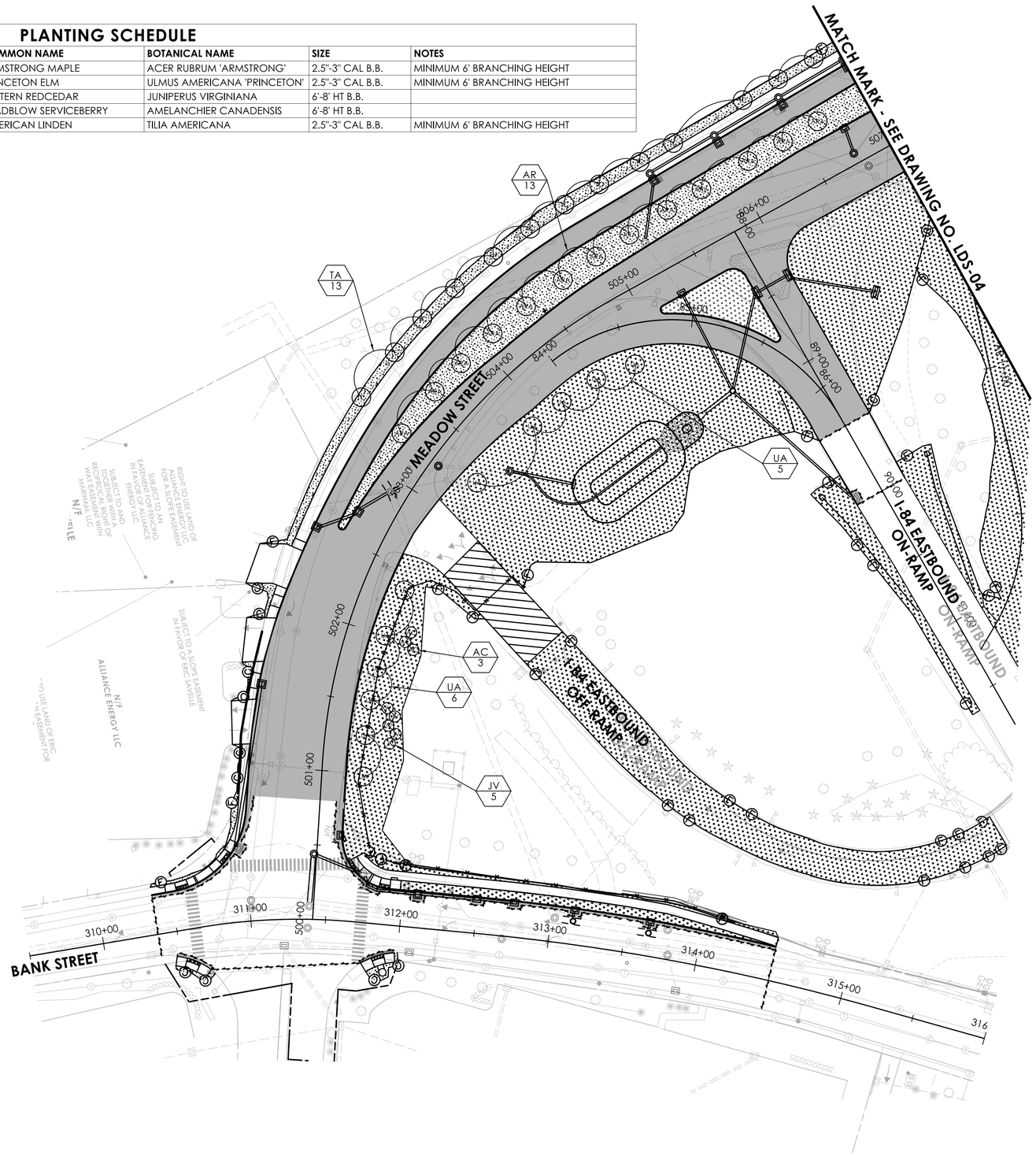
PLANTING SCHEDULE

ITEM NUMBER	KEY	QTY	COMMON NAME	COMMON NAME	BOTANICAL NAME	SIZE	NOTES
0949840	AR	13	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG MAPLE	ACER RUBRUM 'ARMSTRONG'	2.5"-3" CAL B.B.	MINIMUM 6' BRANCHING HEIGHT
0949493	UA	11	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	ULMUS AMERICANA 'PRINCETON'	2.5"-3" CAL B.B.	MINIMUM 6' BRANCHING HEIGHT
0949602	JV	5	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	JUNIPERUS VIRGINIANA	6'-8' HT B.B.	
0949711	AC	3	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	AMELANCHIER CANADENSIS	6'-8' HT B.B.	
0949452	TA	13	TILIA AMERICANA	AMERICAN LINDEN	TILIA AMERICANA	2.5"-3" CAL B.B.	MINIMUM 6' BRANCHING HEIGHT

LEGEND

TURF ESTABLISHMENT AND 4" TOPSOIL

LOW GROWTH TURF MIX



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

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HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: LANDSCAPING PLAN

PROJECT NO.: 0151-0340

DRAWING NO.: LDS-03

SHEET NO.: 09.04

0151-0340 **LASTED SAVED BY:** mvolanti **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Landscape\Contract_Plans\HW_CP_0151_0340_LDS-03.dgn
PLOTTED DATE: 8/15/2025

ADDENDUM NO. 1

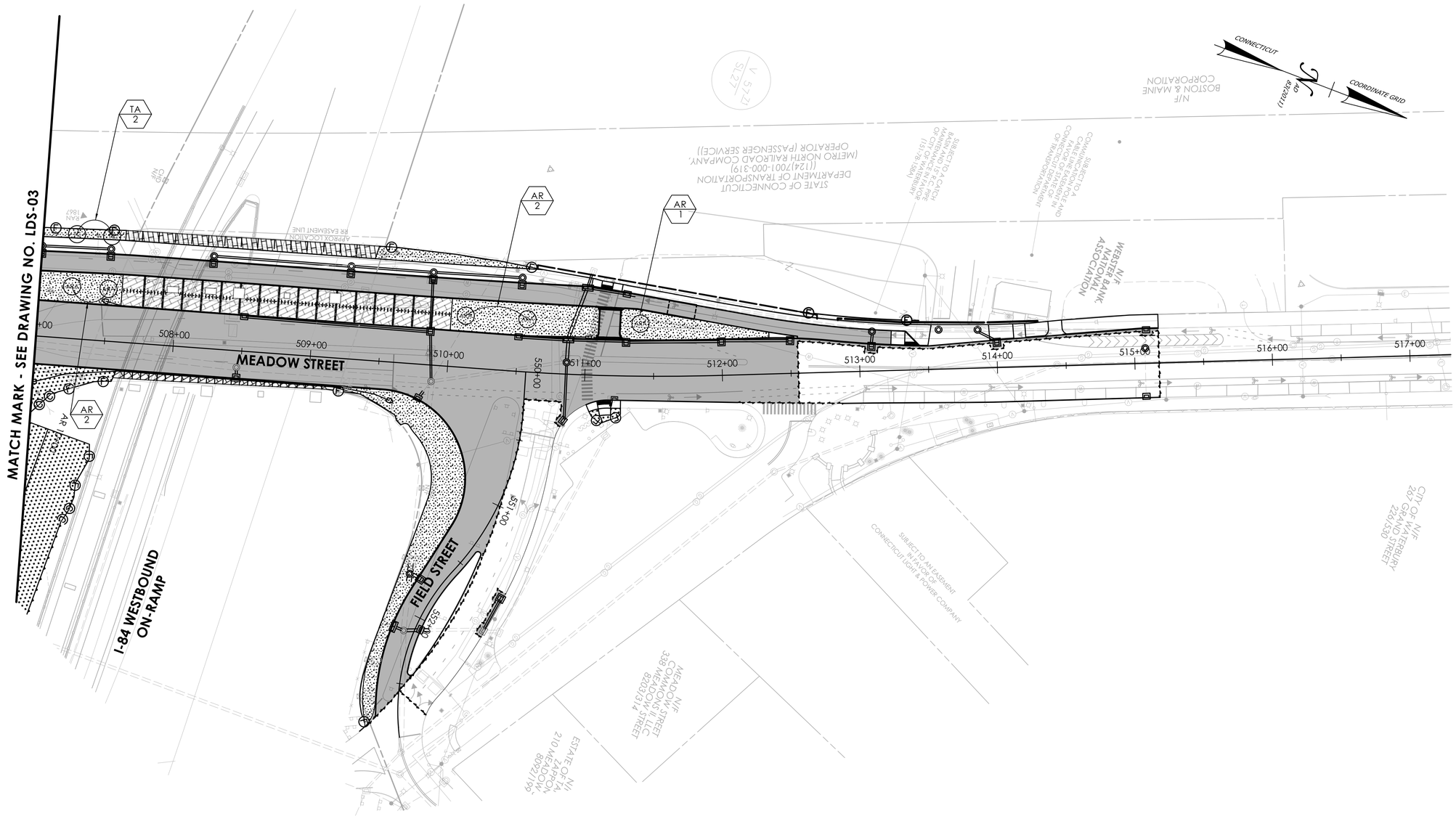
PLANTING SCHEDULE

ITEM NUMBER	SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
0949452	TA	2	TILIA AMERICANA	AMERICAN LINDEN	2.5-3" CAL B.B.	MINIMUM 6' BRANCHING HEIGHT
0949840	AR	5	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG MAPLE	2.5-3" CAL B.B.	MINIMUM 6' BRANCHING HEIGHT

LEGEND

TURF ESTABLISHMENT AND 4" TOPSOIL

LOW GROWTH TURF MIX



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

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HORIZONTAL SCALE
1" = 40'

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: LANDSCAPING PLAN

PROJECT NO.: 0151-0340

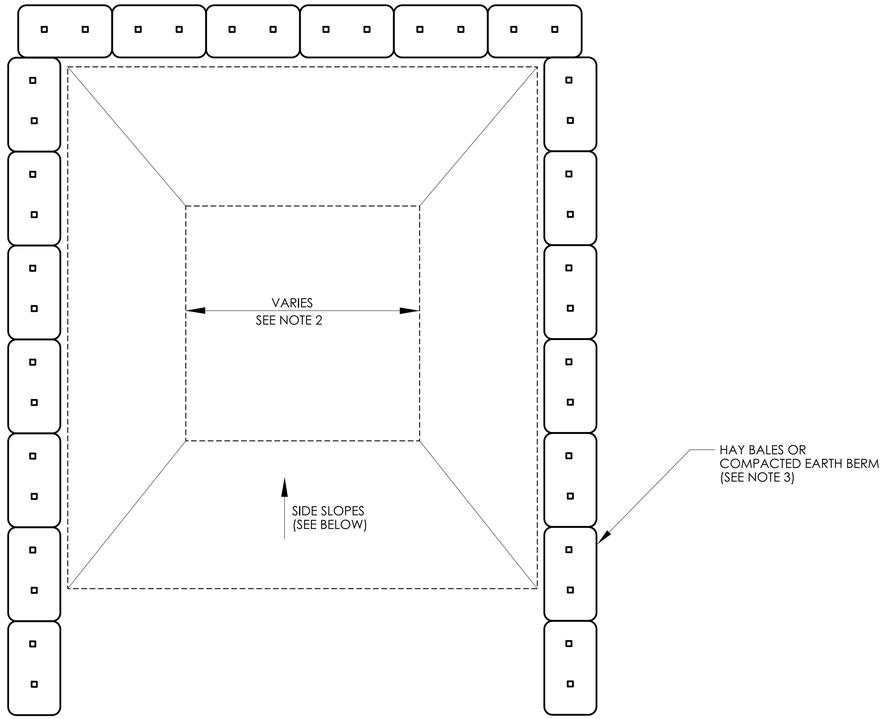
DRAWING NO.: LDS-04

SHEET NO.: 09.05

0151-0340

LASTED SAVED BY: mvolanti **FILE NAME:** \\blcompanies.com\dfs\proj\JOBS22\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Landscape\Contract_Plans\HW_CP_0151_0340_LDS-04.dgn
PLOTTED DATE: 8/15/2025

ADDENDUM NO. 1



PLAN

GENERAL NOTES:

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.

2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREA(S) WITH THE PROJECT'S EROSION AND SEDIMENTATION CONTROL PLAN AND SHALL BE APPROVED BY THE ENGINEER.

   LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FEET FROM ANY STREAM, WETLAND, STORM DRAINS, OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOODPLAIN.

   SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO, OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.

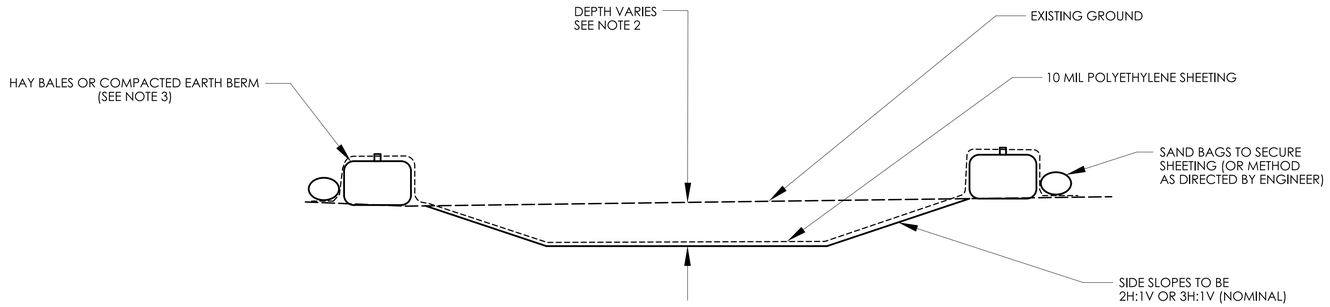
3. SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.

4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.

5. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT) WASHOUT AREA(S) SHOULD BE CHECKED AFTER HEAVY RAINS.

6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S DEPTH. THE WASTE CAN BE STORED AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER. ALL CONCRETE WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES.

7. PAYMENT FOR THIS ITEM IS TO BE INCLUDED UNDER THE GENERAL COST OF THE WORK FOR THE PROJECT, INCLUDING SITE RESTORATION.



CONCRETE WASHOUT AREA

NOT TO SCALE
(SEE NOTE 2)

REVISION DESCRIPTION | DATE | REV.

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

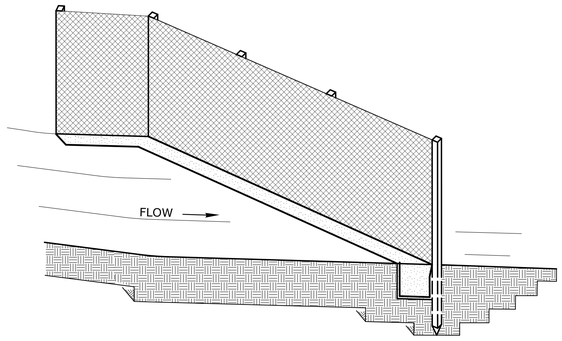
TOWN(S): WATERBURY

DRAWING TITLE: CONCRETE WASHOUT AREA

PROJECT NO.: 0151-0340

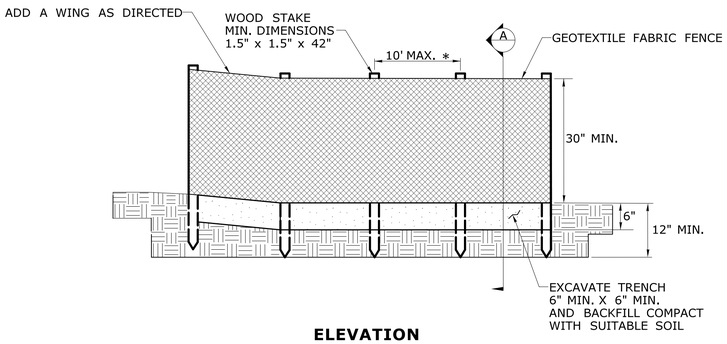
DRAWING NO.: GS-03

SHEET NO.:



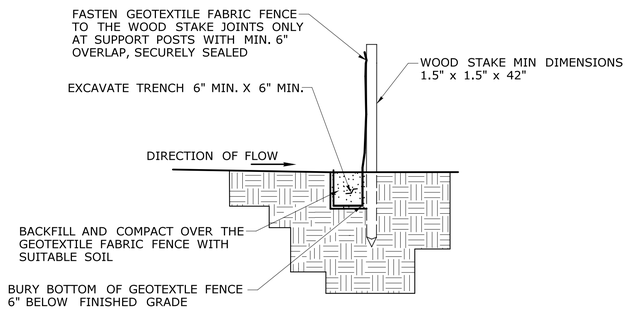
SEDIMENTATION CONTROL SYSTEM

INSTALL THE WING WHEN THE FENCE IS MORE THAN 4' FROM THE TOE OF SLOPE AND THE FENCE LINE GRADIENT IS 5% OR MORE

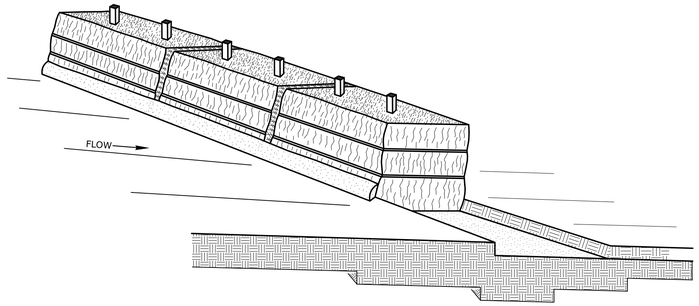


ELEVATION

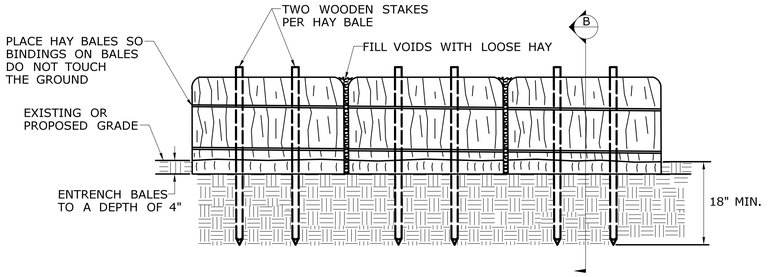
* FOR SLOPES STEEPER THAN 2:1 USE A 5' POST SPACING OR AS DIRECTED BY THE ENGINEER



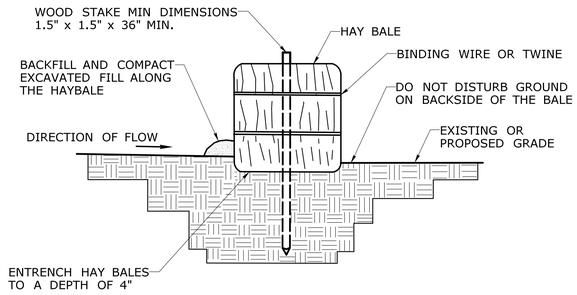
SECTION A



SEDIMENTATION CONTROL SYSTEM



ELEVATION



SECTION B

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**

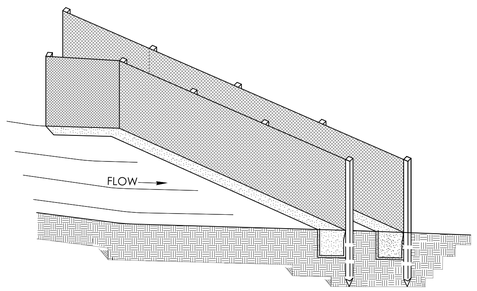
TOWN(S): **WATERBURY**

DRAWING TITLE: **SEDIMENTATION CONTROL SYSTEMS**

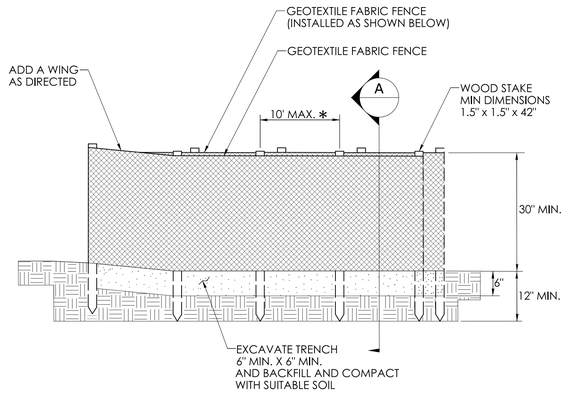
PROJECT NO.: **0151-0340**

DRAWING NO.: **GS-04**

SHEET NO.:

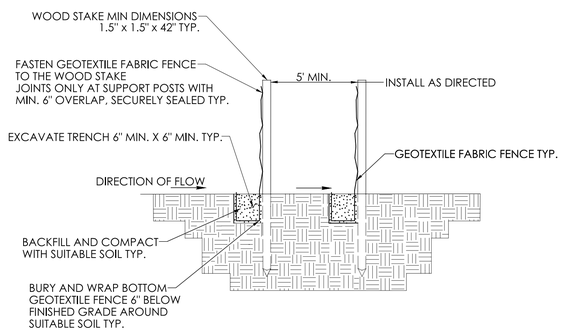


DOUBLE ROW OF GEOTEXTILE FABRIC FENCE

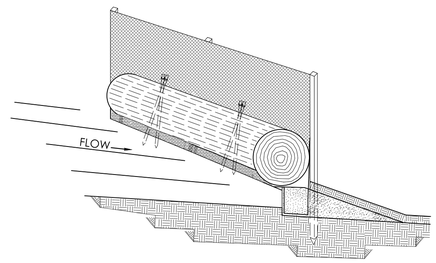


ELEVATION

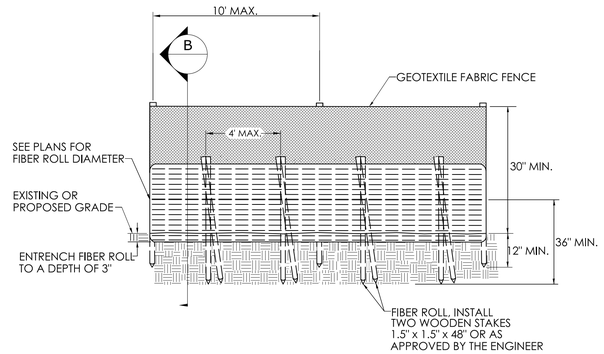
* FOR SLOPES STEEPER THAN 2:1
USE A 5' POST SPACING OR AS
DIRECTED BY THE ENGINEER



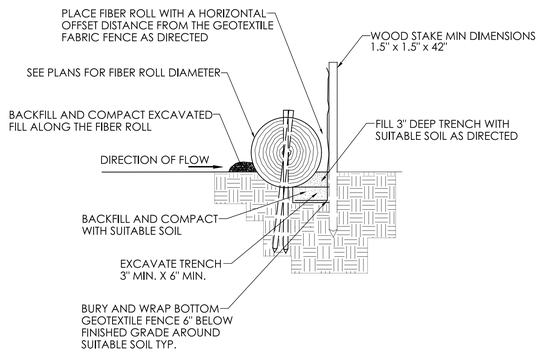
SECTION A



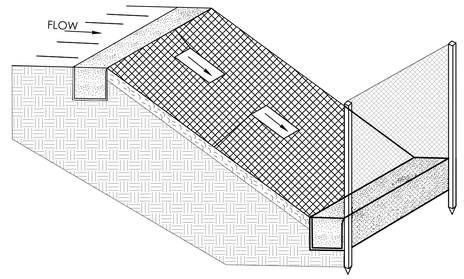
DOUBLE ROW OF FIBER ROLL AND GEOTEXTILE FABRIC FENCE



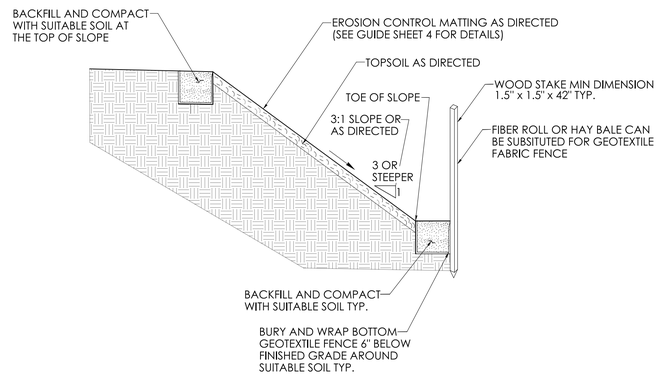
ELEVATION



SECTION B



DOUBLE ROW OF EROSION CONTROL MATTING, AND GEOTEXTILE FABRIC FENCE



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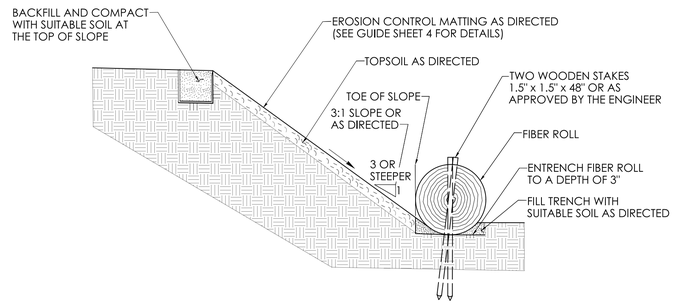


ALTERNATE SECTION WITH FIBER ROLL

REVISION DESCRIPTION | DATE | REV.

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

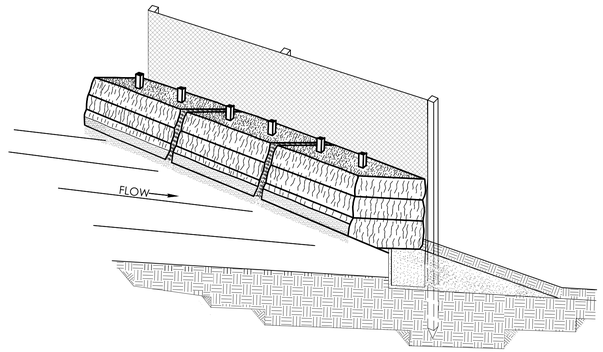
TOWN(S): WATERBURY

DRAWING TITLE: SEDIMENTATION CONTROL DOUBLE ROW SYSTEMS - SHEET 1

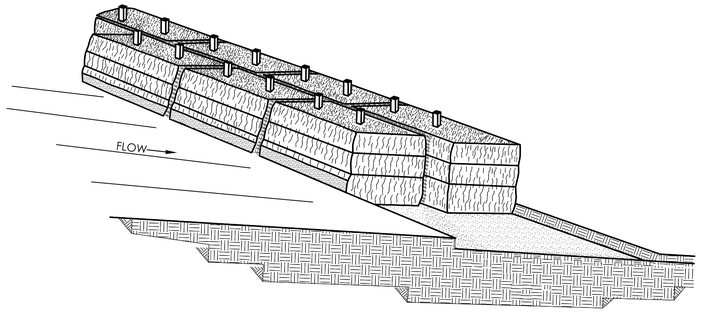
PROJECT NO.: 0151-0340

DRAWING NO.: GS-05

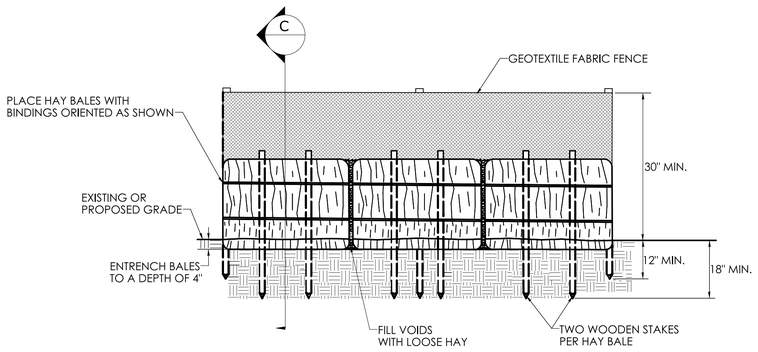
SHEET NO.:



DOUBLE ROW OF HAY BALES AND GEOTEXTILE FABRIC FENCE



DOUBLE ROW HAY BALE SYSTEM



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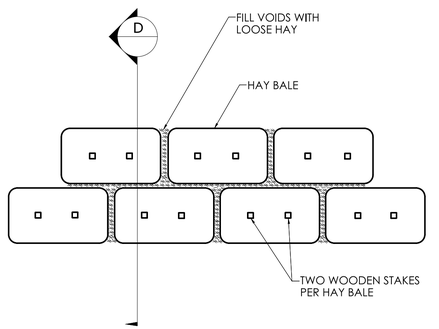
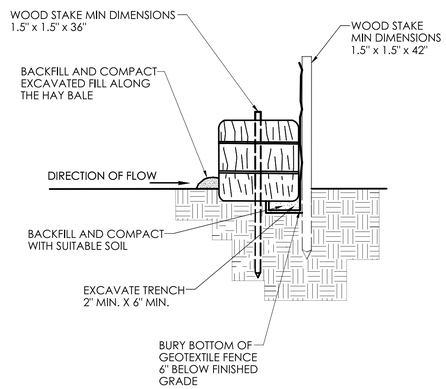


PLAN



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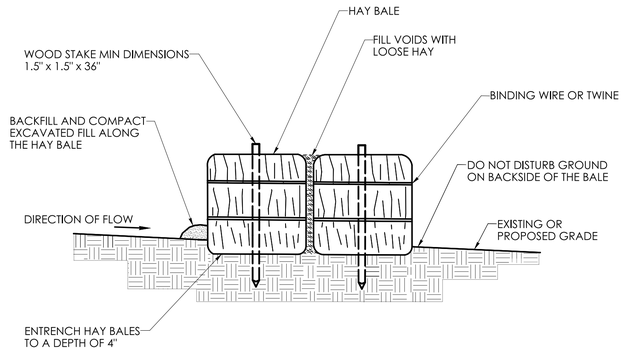


SECTION D

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**

TOWN(S): **WATERBURY**

DRAWING TITLE: **SEDIMENTATION CONTROL DOUBLE ROW SYSTEM - SHEET 2**

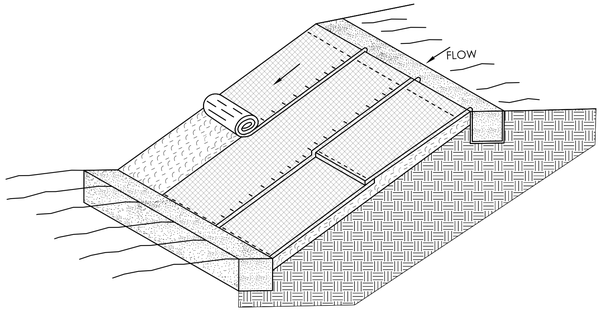
PROJECT NO.: **0151-0340**

DRAWING NO.: **GS-06**

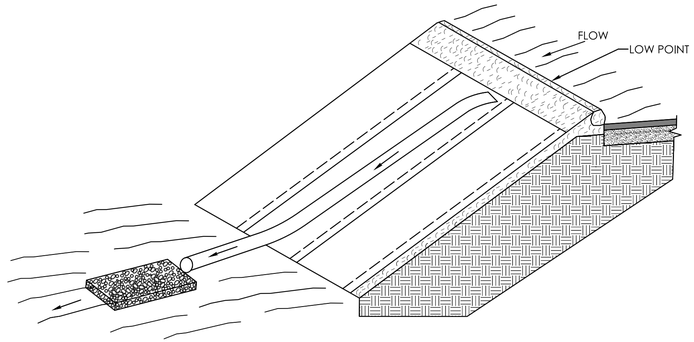
SHEET NO.:

GENERAL NOTE:

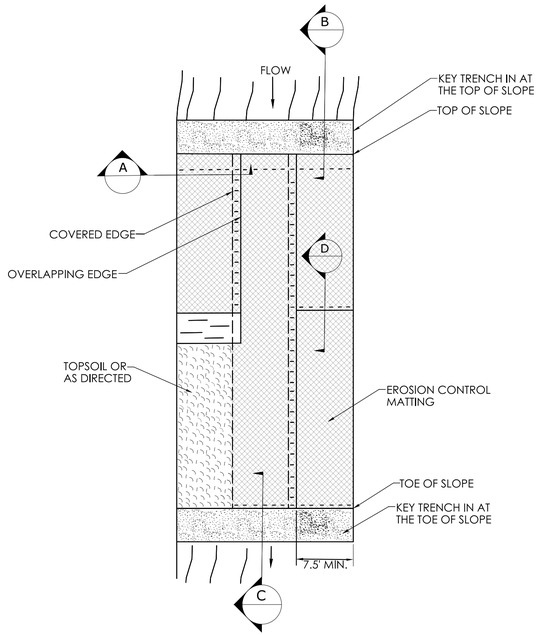
1. USE THE MINIMUM DIMENSIONS SHOWN OR AS RECOMMENDED BY THE MANUFACTURER



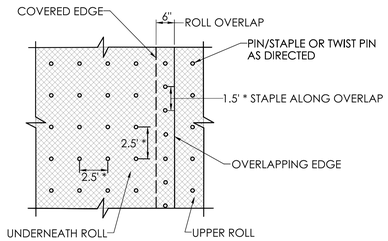
TYPICAL EROSION CONTROL MATTING



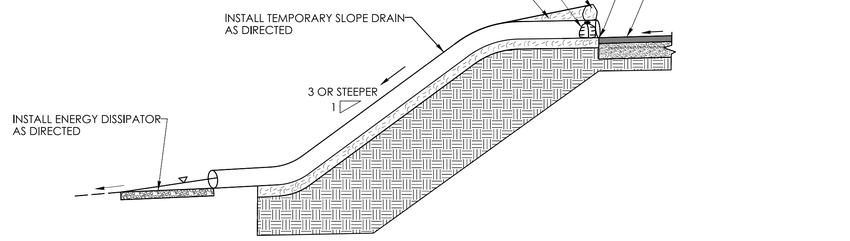
TEMPORARY SLOPE DRAIN



PLAN



STAPLE PATTERN
* SEE NOTE 1



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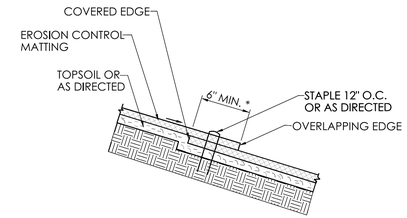

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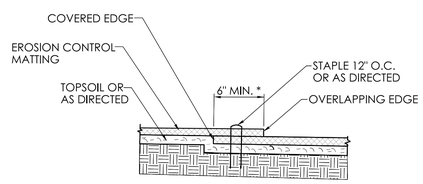
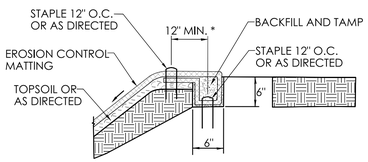
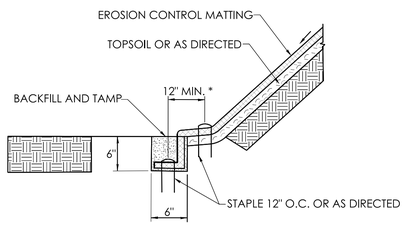


SECTION A



SECTION B

KEY IN TRENCH AT TOP OF SLOPE
* SEE NOTE 1



SECTION C

KEY TRENCH AT TOE OF SLOPE

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**

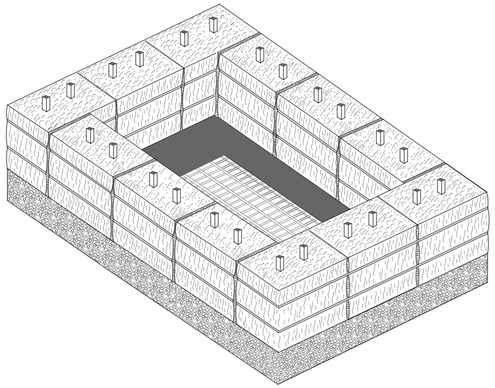
TOWN(S): **WATERBURY**

DRAWING TITLE: **EROSION CONTROL MATTING AND TEMPORARY SLOPE DRAIN**

PROJECT NO.: **0151-0340**

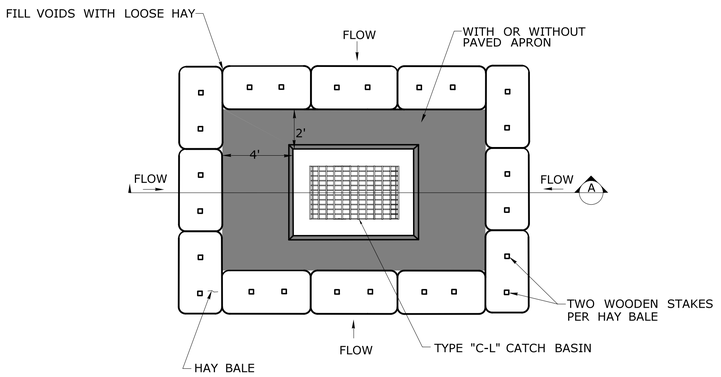
DRAWING NO.: **GS-07**

SHEET NO.:

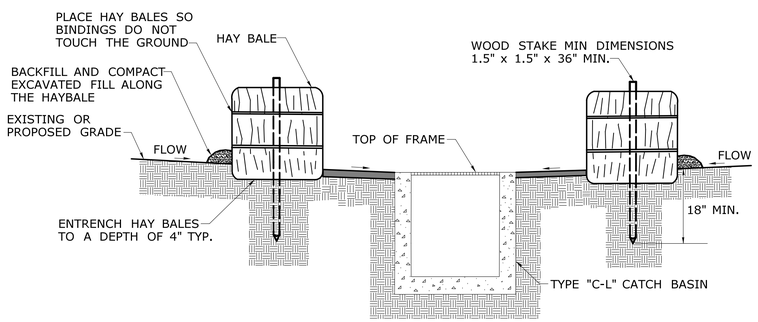


HAY BALES
AT TYPE "C-L" CATCH BASIN

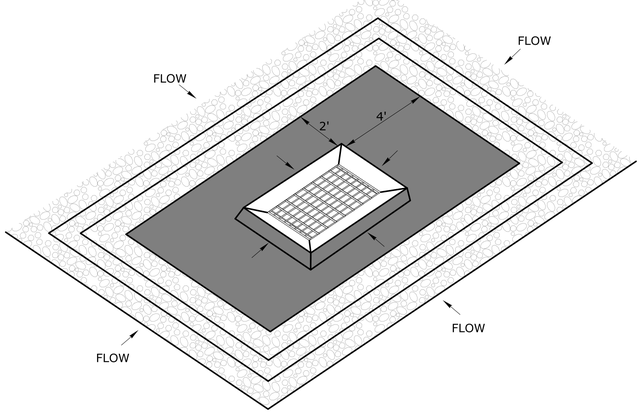
NOTE: THIS ITEM WILL BE MEASURED BY LINEAR FEET OF SEDIMENTATION CONTROL SYSTEM



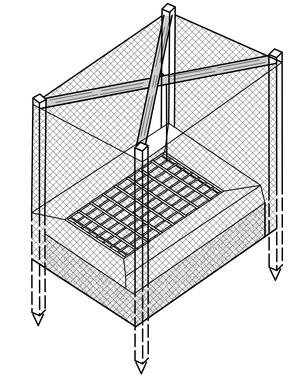
PLAN
THIS DETAIL APPLIES TO OFF ROAD LOCATIONS



SECTION A

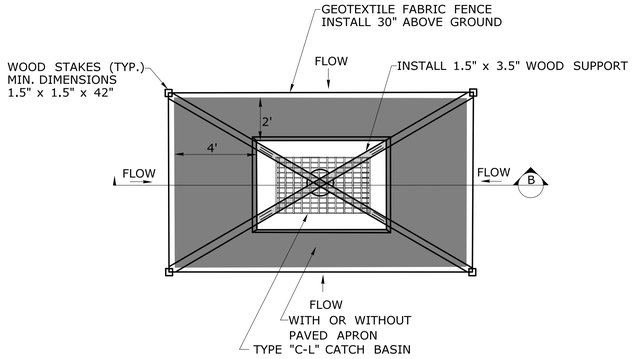


STONE CHECK DAM AT TYPE "C-L" CATCH BASIN

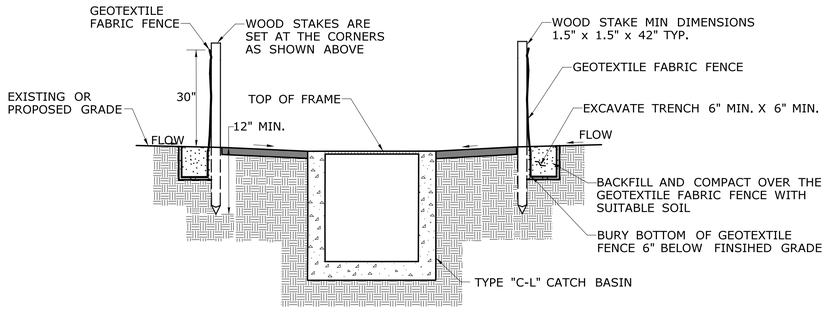


GEOTEXTILE FABRIC FENCE
AT TYPE "C-L" CATCH BASIN

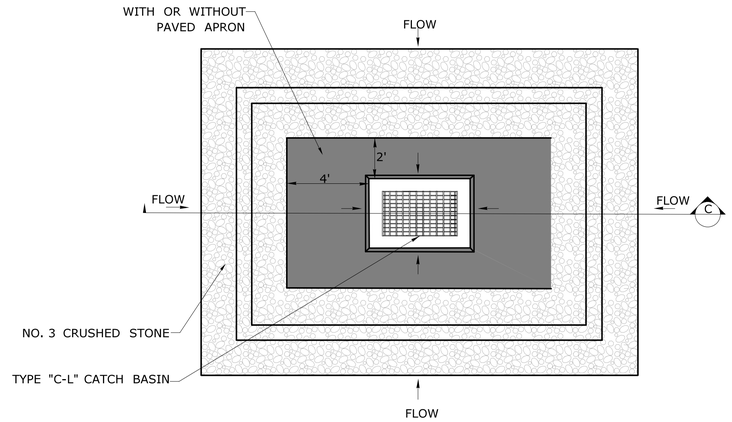
NOTE: THIS ITEM WILL BE MEASURED BY LINEAR FEET OF SEDIMENTATION CONTROL SYSTEM



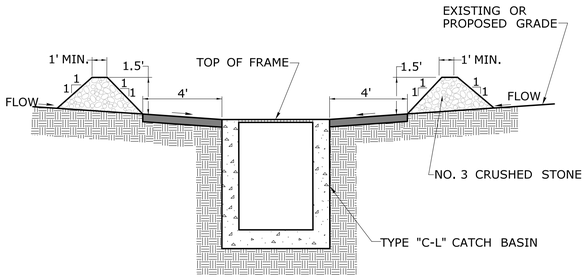
PLAN
THIS DETAIL APPLIES TO OFF ROAD LOCATIONS



SECTION B



PLAN
THIS DETAIL APPLIES TO OFF ROAD LOCATIONS



SECTION C

REVISION DESCRIPTION | DATE | REV.

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

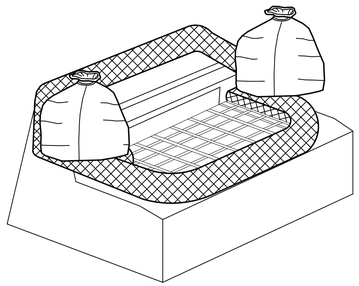
TOWN(S): WATERBURY

DRAWING TITLE: EROSION CONTROL MEASURES AT CATCH BASINS - HAY BALE, FABRIC FENCE, AND STONE CHECK DAM

PROJECT NO.: 0151-0340

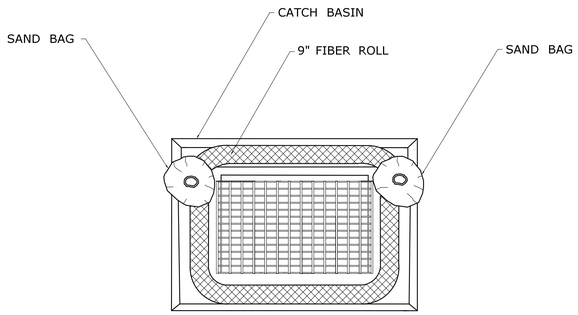
DRAWING NO.: GS-08

SHEET NO.:

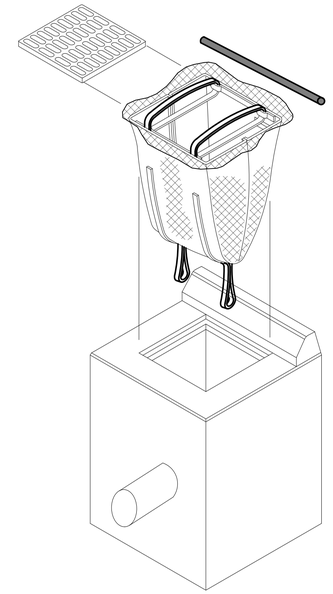


FIBER ROLL AROUND TYPE "C" OR "C-L" CATCH BASIN TOP

NOTE: THIS ITEM WILL BE MEASURED BY EACH SEDIMENT CONTROL SYSTEM AT CATCH BASIN

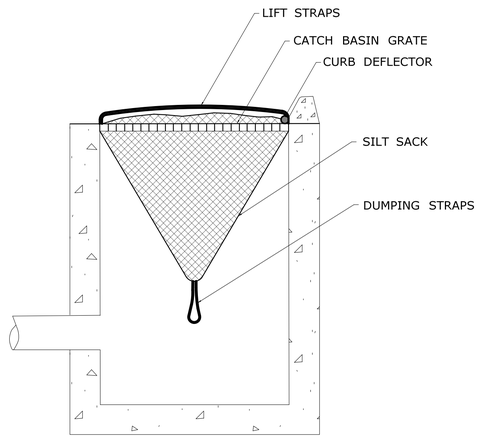


PLAN



INLET SEDIMENT CONTROL DEVICE AT TYPE "C" OR "C-L" CATCH BASIN

NOTE: THIS ITEM WILL BE MEASURED BY EACH SEDIMENT CONTROL SYSTEM AT CATCH BASIN



SECTION

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): WATERBURY

DRAWING TITLE: EROSION CONTROL MEASURES AT CATCH BASINS - FIBER ROLL AND SILT SACK

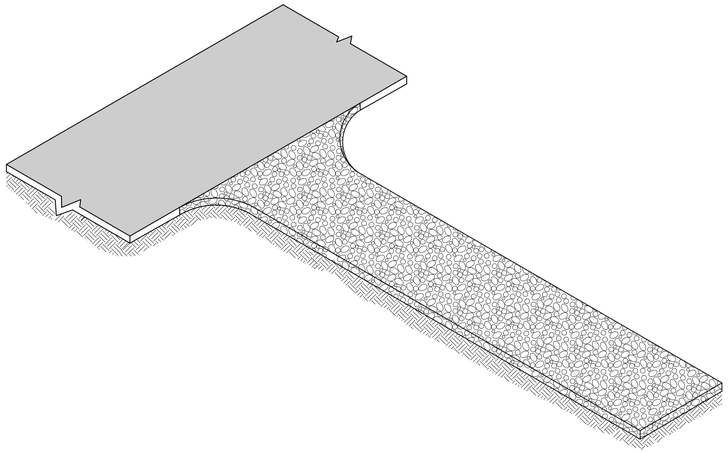
PROJECT NO.: 0151-0340

DRAWING NO.: GS-09

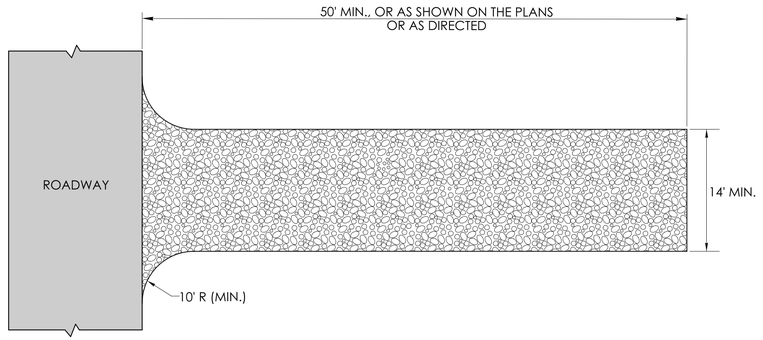
SHEET NO.:

GENERAL NOTE

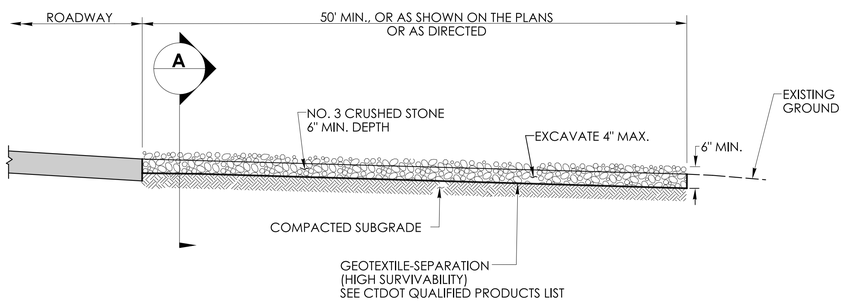
1. THE CONTRACTOR SHALL CREATE A CROSS SLOPE FOR THE CONSTRUCTION ENTRANCE AND THE ANTI-TRACKING PAD TO ENCOURAGE STORMWATER INFILTRATION.



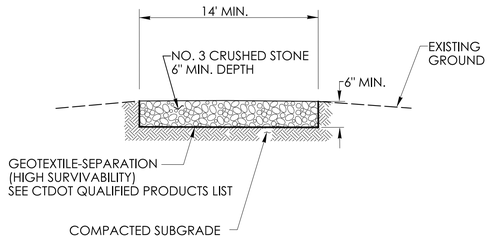
ANTI-TRACKING PAD



PLAN



ELEVATION



SECTION A

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CTDOT **CONNECTICUT DEPARTMENT OF TRANSPORTATION**

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP**

TOWN(S): **WATERBURY**

DRAWING TITLE: **ANTI-TRACKING PAD**

PROJECT NO.: **0151-0340**

DRAWING NO.: **GS-11**

SHEET NO.:

State Project No.:0151-0340
Removal of I-84 Eastbound Exit 21 Off-Ramp
Waterbury, CT

Stormwater Pollution Control Plan

Appendix D
MS4 Worksheet

Connecticut Department of Transportation

CTDOT MS4 Project Design
Maximum Extent Practicable (MEP) Worksheet

Section 1: Project Information

Project Number: 0151-0340

Title/Description: Removal of I-84 Eastbound Exit 21 Off-Ramp

Location: Waterbury

Section 2: Existing Conditions

EC1	Total Project Area			12.67 acres	
EC2	Pre-construction Total Impervious Area			8.66 acres	
EC3	Pre-Construction Disconnected Impervious Area			0.00 acres	
EC4	Pre-construction DCIA for the Project *(EC2 minus EC3)*			8.66 acres	68.4 % (EC4/EC1)
EC5	Soil Infiltration Potential	Data Source: ☒ Existing Report / Soils Map ☐ Field Verified		☒ Good/Fair ☐ Poor	☐ Mixed
EC6	Depth to Maximum Groundwater		☒ TBD	_____ to _____ ft below grade	
EC7	Depth to Bedrock		☒ TBD	_____ to _____ ft below grade	
EC8	Aquifer Protection Area? (from PNDF)			☐ Yes	☒ No
EC9	MS4 Priority Area? (from PNDF)			☐ Yes (See Below)	☒ No
	Check All That Apply ☒ Urbanized Area ☒ DCIA >11% ☒ Impaired Waterbody (See Below)				
	Select All Impairments That Apply *Cause Unknown*				
EC10	Contamination known or suspected to be present? (From Environmental Compliance)			☐ Yes	☒ No
EC11	Adjoining DOT ROW beyond project limits available for stormwater quality management			0.00 acres	

NOTES:

Existing urban runoff in the area of Project 0151-0340 consists mostly of curbed pavement and sidewalks that slope towards the roadway, which results in no disconnected impervious area.

Worksheet users should refer to the current *CT DOT MS4 Project Design MEP Worksheet V4 Instructions*

Reference the CT DEEP Stormwater Quality Manual (SWQM) for design and the New England Stormwater Retrofit Manual for Crediting

CTDOT MS4 Project Design
Maximum Extent Practicable (MEP) Worksheet

Section 3: Designed Conditions

Section 3A: Document Water Quality Volume (WQV) Retained and/or Treated (ac-ft)

	Water Quality Volume Documentation		30% Design		60% Design	90% Design	FDP
DC1	WQV design goal	☐Full ☒½-WQV *(Full = EC4 % ≤ 40%)*	ac-ft	☐ TBD	0.56 ac-ft	0.439 ac-ft	0.412 ac-ft
DC2	WQV goal **retained** (refer to page 3)			ac-ft	0.085 ac-ft	0.155 ac-ft	.155 ac-ft
DC3	WQV goal ***treated*** (refer to page 3)			ac-ft	0.032 ac-ft	0.032 ac-ft	.155 ac-ft

Did the Project Retain and/or Treat the Entire WQV Goal? ☐Yes ☒No

Section 3B: Document Changes in Directly Connected Impervious Area (DCIA) Pre to Post Construction (acres)

	DCIA Documentation	30% Design		60% Design	90% Design	FDP
DC4	Post-construction Total Impervious Area	ac.	☐ TBD	7.28 ac.	7.48 ac.	7.75 ac.
DC5	Post-construction DCIA before **new** BMPs	ac.	☐ TBD	7.28 ac.	7.48 ac.	7.75 ac.
DC6	DCIA Disconnected by new BMPs (from Pg 3)	ac.	☐ TBD	0.943 ac.	0.943 ac.	.943 ac.
DC7	Final Post-construction DCIA *(DC5 minus DC6)*	ac.	☐ TBD	6.336 ac.	6.537 ac.	6.807 ac.
DC8	Pre-construction DCIA (refer to EC4 from Pg 1)		ac.	7.89 ac.	8.31 ac.	8.66 ac.
DC9	Change in DCIA from pre- to post-construction *(DC7 minus DC8) Can be positive (DCIA gained) or negative (DCIA lost)*	ac.	☐ TBD	-1.553 ac.	-1.773 ac.	-1.853 ac.
	Date completed			9/25/24	04/03/2025	07/09/2025
	Completed by (initials)			DP	MAV	MAV
	Reviewed by (initials)					CLM

NOTES:

The project is located in an urban environment, consisting of curbed streets and buildings or private property abutting existing sidewalk. On several of the urban streets, namely West Liberty Street and South Main Street, there is no available area to install BMPs, so the existing curbed roadways and closed drainage will remain. The reconstruction of Meadow Street allows for contribution to the WQV design goal. Due to the removal of the ramp and other impervious areas, there is a reduction of 0.83 acres prior to the disconnection crediting of the infiltration basin and natural dispersion. Existing curb along the eastern side of Meadow street will be removed to allow for natural dispersion of surface water. Additionally, an infiltration basin is proposed in the infield area between Meadow Street and the removed I-84 EB Exit 21 off-ramp. Due to the fact that most DCIA is located on local streets where the installation of BMPs is not practical, the WQV goal is not met, however, the treatment of Meadow Street was designed to the maximum extent practical through the removal of curb and installation of an infiltration basin.

Worksheet users should refer to the current *CT DOT MS4 Project Design MEP Worksheet V4 Instructions*

Reference the CT DEEP Stormwater Quality Manual (SWQM) for design and the New England Stormwater Retrofit Manual for Crediting

Section 4: Stormwater BMP Selection Summary											
Design Phase ☐30% ☐60% ☐90% ☒FDP	**BMP Type**	**WQV Retained* (ac-ft)**	**WQV Treated* (ac-ft)**	**DCIA Captured by BMP (ac)**	**Runoff Depth from DCIA Captured by BMP (in)**	**HSG Soil Type**	**DCIA Disconnection Credit (%)****	**DCIA Disconnection Credit (ac)**	**(TP) reduction %****	**(TSS) reduction %****	**(TN) reduction %***
BMP Category											
Natural Dispersion	Natural dispersion	0.032	0.032	0.599	1.3	B	87%	0.521	0%	0%	0%
Infiltration	Infiltration Basin	0.123	0.123	0.422	1.3	B	100%	0.422	100%	100%	100%
TOTAL		0.155	0.155					0.943			
		To Row DC2	***To Row DC3***					***To Row DC6***			

Describe Site Constraints Limiting BMP Implementation if applicable:

Many of the existing roadways are curbed with buildings or private properties directly adjacent to the sidewalks, significantly reducing the amount of area available to install BMPs. Meadow Street is the only roadway with an area available for BMPs.

Other Notes:

Existing roadway along Meadow Street is curbed, however, in the proposed condition, the curb will be removed to allow for the natural dispersion of water from impervious pavement. The DCIA disconnection credit meets the WQV goals.
Natural Dispersion Credit = 87% as ratio of Natural Dispersion DCIA to impervious ~1:4

* List the amount of the WQV the BMP is designed to retain or treat.

** Refer to the CT DEEP Stormwater Quality Manual (SWQM) Stormwater Manual (ct.gov) and New England Stormwater Retrofit Manual Stormwater Retrofit Manual (snepnetwork.org) to determine disconnection and pollutant removal percentages. BMPs should be designed to meet specific TP, TN and TSS pollutant reductions to the maximum extent practicable when the entire WQV cannot be retained. Pollutant Reduction Targets are: New Development TP 60%, TN 40%, TSS 90%. Redevelopment TP 50%, TN, 30% TSS 80%. (Page 48 of the SWQM)

State Project No.:0151-0340
Removal of I-84 Eastbound Exit 21 Off-Ramp
Waterbury, CT

Stormwater Pollution Control Plan

Appendix E
Construction Site Environmental Inspection Report

Connecticut Department of Transportation

DOT Environmental Inspection Report

Instructions

The following Construction Site Environmental Inspection Report (CSEIR) is to be used on all Department of Transportation (DOT) construction projects. A new form must be filled out at a minimum of once a week and within twenty four (24) hours after any storm event with precipitation greater than .10 inches. For projects that hold an Individual Inland Wetlands Permit from the Connecticut Department of Environmental Protection (DEP), a monthly submittal including all the completed CSEIRs will need to be sent to DEP. For all other DOT projects the CSEIRs must be kept in the field office as part of the Stormwater Pollution Control Plan (SWPCP).

Using the Inspection Report:

This CSEIR is designed to be customized according to the SWPCP that has been developed for each individual construction project. It will need to be adjusted to match the existing site conditions and indicate the most current Best Management Practices (BMPs) being implemented at any given date. At the beginning of construction for each project, a site plan shall be developed that identifies, by number, all potential discharge locations that will collect runoff from a disturbed area during the current phase of construction. Once the discharge locations have been identified by number, a brief description of the BMP will need to be listed in the site specific section of the CSEIR. Examples of a site specific BMPs include construction entrances, temporary sediment traps, temporary sediment basins, or localized areas of silt fence (e.g., silt fence along Main Street; silt fence along toe of slope at Wetland A, etc.). All areas that will be used for construction operations need to be included in the site specific BMPs section including Staging Areas, Waste Stockpile Areas, and Field Office locations.

To facilitate simpler inspections, the “General Information” section and “BMP and Location” section can be filled out on a blank inspection report at the beginning of construction and then copied for re-use as long as the site specific locations remain the same. Any additional BMPs or other changes that result from staged construction or corrective actions need to be included on the site plan and CSEIR within three (3) days following an inspection.

During the site inspection the inspector will need to walk the site with a copy of the site map and CSEIR. Each numbered location will need to be inspected and any deficiencies or maintenance issues identified and documented.

The “Overall Site Issues Reference Checklist” should be consulted when completing the CSEIR to help identify any locations where maintenance or additional BMPs may be required. This checklist is not submitted with the CSEIR but should be kept on file for future reference.

Overall Site Issues Reference Checklist

Below are some general site issues that should be assessed during inspections. This Check List should be consulted during the site inspection and used to determine the appropriate BMP corrective actions required in BMP Maintenance section above. ***Not required to be included with CSEIR submission or as part of certification***

BMP/activity	Completed	Maint. Required	Corrective Action by Contractor- Note completion date and action taken
Are all slopes and disturbed areas not actively being worked properly stabilized?	☐Yes ☐No	☐Yes ☐No	
Is there any evidence of erosion occurring throughout the project site?	☐Yes ☐No	☐Yes ☐No	
Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	☐Yes ☐No	☐Yes ☐No	
Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	☐Yes ☐No	☐Yes ☐No	
Are discharge points and receiving waters free of any sediment deposits?	☐Yes ☐No	☐Yes ☐No	
Are storm drain inlets properly protected?	☐Yes ☐No	☐Yes ☐No	
Is the construction exit preventing sediment from being tracked into the street?	☐Yes ☐No	☐Yes ☐No	
Is trash/litter from work areas collected and placed in covered dumpsters?	☐Yes ☐No	☐Yes ☐No	
Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	☐Yes ☐No	☐Yes ☐No	
Are vehicle and equipment fueling, cleaning, and maint. areas free of spills, leaks, or any other deleterious material?	☐Yes ☐No	☐Yes ☐No	
Are materials that are potential stormwater contaminants stored inside or under cover?	☐Yes ☐No	☐Yes ☐No	
Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	☐Yes ☐No	☐Yes ☐No	
(Other) Describe	☐Yes ☐No	☐Yes ☐No	

State of Connecticut
Department of Transportation

Construction Site Environmental Inspection Report

This Form Must Be Completed At Least Once a Week and within Twenty Four (24) Hours* Of the End of a Storm Event That Is 0.1 inches or Greater * Next Working Day as Directed by Engineer

General Information			
Project Number		**Date**	
Permit Number(s)		**Location**	
Contractor			
Project Engineer		**Phone No**	
Type of Inspection: Check all that apply ☐ Weekly ☐ Pre-storm event ☐ Post-storm event			
Weather at time of this inspection? ☐ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds Temperature:			
Start Date: _____ Time: _____ Duration (hrs): _____ Precipitation (in) ≈ _____			

Site-specific BMPs - *Number the structural and non-structural BMPs on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map for reference with you during your inspections. Note- If have additional locations add rows.* Site Map Attached ☐ **Yes** ☐ **No**

Location	BMPs Installed	BMP Maint. Required	Remedial Action Required	Remedial Action* If yes, provide description and date contractor notified	Date Fixed	Repeat Failure
	☐Yes ☐No	☐Yes ☐No				☐Yes ☐No
	☐Yes ☐No	☐Yes ☐No				☐Yes ☐No
	☐Yes ☐No	☐Yes ☐No				☐Yes ☐No
	☐Yes ☐No	☐Yes ☐No				☐Yes ☐No
	☐Yes ☐No	☐Yes ☐No				☐Yes ☐No
	☐Yes ☐No	☐Yes ☐No				☐Yes ☐No

Are there any sediment discharges to a regulated area or potential wetland occurring or have any occurred since the last inspection? ☐ **Yes** ☐ **No**

If yes, contact the District Environmental Coordinator immediately and submit project incident report (include description of the discharge including location, time identified, and the approximate amount of sediment)

Incident report attached to this CSEIR? ☐ **Yes** ☐ **No**

"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."

Prepared By: _____

Title: **Signature:** **Date:**

Review By: _____

Title: **Signature:** **Date:**

I acknowledge receipt of a copy of the CSEIR and will perform the required maintenance or remedial action indicated in the report.

Contractor: _____

Title: **Signature:** **Date:**

State Project No.:0151-0340
Removal of I-84 Eastbound Exit 21 Off-Ramp
Waterbury, CT

Stormwater Pollution Control Plan

Appendix F
Notice of Termination Form: Non-Solar Projects

Connecticut Department of Transportation

Connecticut Department of
Energy & Environmental Protection
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Notice of Termination Form: Non-Solar Projects

This Notice serves as a request to terminate the below listed permit as well as any applicable Letter(s) of Credit.

Part I: Permittee Information

The below information is required in accordance with Section 6(b) of the General Permit.

1. Permit Number: GSN _____
2. Registrant: _____
3. Site Address: _____

   City/Town: _____ State: _____ Zip Code: _____
4. Date of completion of construction: _____

   Date all storm drainage structures were cleared of construction sediment and debris: _____

   Beginning and Ending Dates of post-construction inspections: _____

   Date of final stabilization inspection(s)*: _____

   Qualified Inspector who conducted the Final Stabilization Inspection: (This person must sign Part III) _____
5. Check the post-construction activity(ies)** at the site (check all that apply):

   ☐ Industrial ☐ Residential ☐ Capped Landfill

   ☐ Commercial ☐ Solar Array ☐ Other: _____

* The Final Stabilization Inspection must occur at least one full growing season after final stabilization has been achieved. A full growing season is defined as the timeframe encompassed by two consecutive full seeding seasons: April 1 through June 15, and August 15 through October 1. If final stabilization is achieved during a seeding season, the following seeding season will be considered the first full seeding season after final stabilization has been achieved.

** If the post-construction activity involves solar arrays, the Department may require that the "Solar Projects: Notice of Termination Form" be used. Any questions regarding the necessity of such a form for the project can be sent via email to DEEP.StormwaterStaff@ct.gov.

Locally Approvable Projects Must Complete the following Part II - *(Attach additional sheets as needed)*

Part II: Locally Approvable Post-Construction Inspection Certification

The below information is required in accordance with Section 5(b)(4)(C)(i) of the General Permit.

Certification by a Qualified Professional Engineer / Qualified Soil Erosion and Sediment Control Professional / District Representative

"I hereby certify that I am a qualified professional engineer / a qualified soil erosion and sediment control professional / a representative of the District in which the site is located as defined in Section 2 of the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (general permit). I am familiar with the site described in this Notice of Termination and the requirements of the general permit. I certify, based on my personal inspection of the site pursuant to Section 6(a) of the general permit that all post-construction measures have been installed as specified in the permittee's Stormwater Pollution Control Plan and in accordance with Section 5(b)(2)(C) of the general permit and that all such measures have been cleaned of construction sediment and debris. I understand that this certification is part of a registration submitted in accordance with section 22a-430b of Connecticut General Statutes and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Qualified Professional Engineer / Qualified Soil Erosion and Sediment Control Professional / Representative of the District	Date
Printed Name of Qualified Professional Engineer / Qualified Soil Erosion and Sediment Control Professional / Representative of the District	Title

Check off the qualifications of the signatory of the above part:

☐ Qualified Professional Engineer ☐ Qualified Soil Erosion and Sediment Control Professional ☐ Representative of the District

Locally Exempt Projects Must Complete the following Part II - *(Attach additional sheets as needed)*

Part II: Locally Exempt Post-Construction Inspection Certification

The below information is required in accordance with Section 5(b)(4)(C)(ii) of the General Permit.

Certification by a Qualified Professional Engineer / Qualified Soil Erosion and Sediment Control Professional

"I hereby certify that I am a qualified professional engineer / a qualified soil erosion and sediment control professional as defined in Section 2 of the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (general permit). I am familiar with the site described in this Notice of Termination and the requirements of the general permit. I certify, based on my personal inspection of the site pursuant to Section 6(a) of the general permit that all post-construction measures have been installed as specified in the permittee's Stormwater Pollution Control Plan and in accordance with Section 5(b)(2)(C) of the general permit and that all such measures have been cleaned of construction sediment and debris. I understand that this certification is part of a registration submitted in accordance with section 22a-430b of Connecticut General Statutes and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Qualified Professional Engineer / Qualified Soil Erosion and Sediment Control Professional	Date
Printed Name of Qualified Professional Engineer / Qualified Soil Erosion and Sediment Control Professional	Title

Check off the qualifications of the signatory of the above part:

☐ Qualified Professional Engineer ☐ Qualified Soil Erosion and Sediment Control Professional

State Agency Projects Must Complete the following Part II - (Attach additional sheets as needed)

Part II: State Agency Post-Construction Inspection Certification

The below information is required in accordance with Section 5(b)(4)(C)(iii) of the General Permit.

Certification by a DOT District Engineer or his/her designee / a DOT District Environmental Coordinator / a designated employee of another state agency

"I hereby certify that I am a DOT District Engineer or his/her designee / a DOT District Environmental Coordinator / a designated employee of another state agency as defined in Section 2 of the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (general permit). I am familiar with the site described in this Notice of Termination and the requirements of the general permit. I certify, based on my personal inspection of the site pursuant to Section 6(a) of the general permit that all post-construction measures have been installed as specified in the permittee's Stormwater Pollution Control Plan and in accordance with Section 5(b)(2)(C) of the general permit and that all such measures have been cleaned of construction sediment and debris. I understand that this certification is part of a registration submitted in accordance with section 22a-430b of Connecticut General Statutes and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature	Date
Printed Name	Title

Check off the qualifications of the signatory of the above part:

☐ Qualified Professional Engineer ☐ Qualified Soil Erosion and Sediment Control Professional ☐ Representative of the District

All Projects Must Complete the following Part III - *(Attach additional sheets as needed)*

Part III: Final Stabilization Inspection Certification

The below information is required in accordance with Section 5(b)(4)(D) of the General Permit.

Certification by a Qualified Inspector

"I hereby certify that I am a qualified inspector as defined in Section 2 of the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (general permit). I am familiar with the site described in this Notice of Termination and the requirements of the general permit. I certify, based on my personal inspection of the site pursuant to Section 6(a) of the general permit that the site has been stabilized, as defined in Section 2 of the general permit, for a period of no less than one full growing season following the cessation of construction activities. I further certify that there is no active erosion or sedimentation present on site and no disturbed areas remain exposed. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Qualified Inspector	Date
Printed Name of Qualified Inspector	Title

All Projects Must Complete the following Part IV - *(Attach additional sheets as needed)*

Part IV: Permittee Certification

The below information is required in accordance with Section 5(b)(4)(D) of the General Permit.

Certification by the Permittee

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Signature of Permittee	Date
Printed Name of Permittee	Title

All Projects Must Complete the following Part V - *(Attach additional documentation as needed)*

Part V: Additional Submittals

The following attachments are required to be submitted along with the Notice of Termination Form:

☐ Post-Construction Inspection Report (must contain photos with time stamps)

☐ Final Stabilization Inspection Report (must contain photos with time stamps)

Complete and submit this form in accordance with the general permit (DEEP-WPED-GP-015) to ensure the proper handling of the termination. Print or type unless otherwise noted.

Submit this Notice of Termination Form to the address below, as well as via email to DEEP.StormwaterStaff@ct.gov:

WATER PERMITTING AND ENFORCEMENT DIVISION/STORMWATER GROUP
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127