

TOWN OF GLASTONBURY

INVITATION TO BID

<u>BID #</u>	<u>ITEM</u>	<u>DATE &amp; TIME REQUIRED</u>
GL-2012-17	Naubuc Avenue Bridge Rehabilitation	July 17, 2012 at 11:00 A.M.

The Town of Glastonbury is currently seeking bids for the rehabilitation of Naubuc Avenue Bridge over Porter Brook. Improvements generally include removal and replacement of the bridge parapets, repair of the upper portions of the spandrel wall, and the installation of metal beam guiderail.

Prevailing Wages: The contractor must comply with Section 31-53 of the Connecticut General Statutes as amended, including annual adjustments in prevailing wages.

Bid Forms and plans may be obtained from the Town's website at [www.glastonbury-ct.gov](http://www.glastonbury-ct.gov) or from the Office of the Purchasing Agent, Town Hall, 2155 Main Street, Glastonbury, Connecticut 06033 (second level) for a non-refundable fee of \$25.

The Town reserves the right to waive informalities or reject any part of, or the entire bid, when said action is deemed to be in the best interests of the Town. All Sealed Bids must be submitted to the Office of the Purchasing Agent no later than the time and date indicated. All bids will be publicly opened and read.

The Town of Glastonbury is an Affirmative Action/Equal Opportunity Employer. Minority / Women / Disadvantaged Business Enterprises are encouraged to bid.

Mary F. Visone  
Purchasing Agent

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**NAUBUC AVENUE BRIDGE REHABILITATION  
INVITATION TO BID**

**BID #GL-2012-17**

1. Sealed bids **(one original and one copy)** on the attached Bid Forms will be received at the Office of the Purchasing Agent, Town Hall, 2155 Main Street, Glastonbury, Connecticut 06033 (second level). At the designated time of opening, they will be publicly opened, read, recorded and placed on file.
2. Whenever it is deemed to be in the best interest of the Town, the Town Manager, Purchasing Agent or designated representative shall waive informalities in any and all bids. The right is reserved to reject any bid, or any part of any bid, when such action is deemed to be in the best interest of the Town of Glastonbury.
3. The award will be on the basis of bid total cost unless otherwise specified. The bid total cost shall be arrived at by the mathematical calculation of the unit price multiplied times the quantity specified for each line item, and the total sum of all line items in the bid. In the event that the Town finds computational errors in a respondent's bid proposal, the bid total cost shall be recalculated by the Town based on the unit prices contained in the bid proposal.
4. Bids will be carefully evaluated as to conformance with stated specifications.
5. The envelope enclosing your bid should be clearly marked by bid number, time of bid opening, and date.
6. Specifications must be submitted complete in every detail and, when requested, samples shall be provided. If a bid involves any exception from stated specifications, they must be clearly noted as exceptions, underlined, and attached to the bid.
7. The Bid Documents contain the provisions required for the requested item. Information obtained from an officer, agent, or employee of the Town or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him/her from fulfilling any of the conditions of the bid.
8. Each Bidder is held responsible for the examination and/or to have acquainted themselves with any conditions at the job site which would affect their work before submitting a bid. Failure to meet this criteria shall not relieve the Bidder of the responsibility of completing the bid without extra cost to the Town of Glastonbury.
9. Any bid may be withdrawn prior to the above-scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No Bidder may withdraw a bid within sixty (60) days after the actual date of the opening thereof. Should there be reasons why a bid cannot be awarded within the specified period, the time may be extended by mutual agreement between the Town and the Bidder.
10. Each bid must be accompanied by a bid bond payable to the Town for ten percent (10%) of the total amount of the bid. The bid bond of the successful Bidder will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond. The Town of Glastonbury will not be liable for the accrual of any interest on any certified check submitted. Cashier's checks will not be accepted.
11. A 100% Performance and Payment bond are required of the successful bidder. This bond shall cover all aspects of the specification and shall be delivered to the Purchasing Agent prior to the issuance of a purchase order. The Performance and Payment Bond will be returned upon the delivery and acceptance of the bid items.
12. The Bidder agrees and warrants that in the submission of this sealed Bid, they will not discriminate or permit discrimination against any person or group of persons on the grounds of

race, color, religion, national origin, sex, or physical disability including, but not limited to blindness, unless it is shown by such Bidder that such disability prevents performance of that which must be done to successfully fulfill the terms of this sealed Bid or in any manner which is prohibited by the laws of the United States or the State of Connecticut: and further agrees to provide the Human Relations Commission with such information requested by the Commission concerning the employment practices and procedures of the Bidder. An Affirmative Action Statement will be required by the successful Bidder.

13. Bidder agrees to comply with all of the latest Federal and State Safety Standards and Regulations and certifies that all work required in this bid will conform to and comply with said standards and regulations. Bidder further agrees to indemnify and hold harmless the Town for all damages assessed against the Town as a result of Bidder's failure to comply with said standards and/or regulations.
14. All correspondence regarding any purchase made by the Town of Glastonbury shall reference the Town's purchase order number. Each shipping container shall clearly indicate both Town purchase order number and item number.
15. Bidder is required to review the Town of Glastonbury Code of Ethics adopted July 8, 2003 and effective August 1, 2003. Bidder shall acknowledge that they have reviewed the document in the area provided on the bid/proposal response page (BP). The selected Bidder will also be required to complete and sign an Acknowledgement Form prior to award. The Code of Ethics and the Consultant Acknowledgement Form can be accessed at the Town of Glastonbury website at [www.glastonbury-ct.gov](http://www.glastonbury-ct.gov). Upon entering the website click on **General Information**, then **Bids and Quotes** which will bring you to the links for the **Code of Ethics** and the **Consultant Acknowledgement Form**. If the Bidder does not have access to the internet, a copy of these documents can be obtained through the Purchasing Department at the address listed within this bid/proposal.
16. **Non-Resident Contractors:**

The Town is required to report names of non-resident (out-of-State) contractors to the State of Connecticut, Department of Revenue Services (DRS) to ensure that Employment Taxes and other applicable taxes are being paid by Contractors. **Upon award, all non-resident contractors must furnish a five percent (5%) sales tax guarantee bond (State Form AU-766) or a cash bond for five percent (5%) of the total contract price (State Form AU-72) to DRS even though this project is exempt from most sales and use taxes.**

See State Notice to Non-Resident Contractors SN 2005 (12). If the above bond is not provided, the Town is required to withhold five percent (5%) from the contractor's payments and forward it to the State DRS.

The contractor must promptly furnish to the Town a copy of the **Certificate of Compliance** issued by the State DRS.
17. Bidder shall include on a sheet(s) attached to its proposal a complete disclosure of all past and pending mediation, arbitration and litigation cases that the bidder or its principals (regardless of their place of employment) have been involved in for the most recent five years. Please include a statement of the issues in dispute and their resolution. Acceptability of Bidder based upon this disclosure shall lie solely with the Town.
18. Bidder or its principals, regardless of their place of employment, shall not have been convicted of, nor entered any plea of guilty, or nolo contendere, or otherwise have been found civilly liable or criminally responsible for any criminal offense or civil action. Bidder shall not be in violation of

any State or local ethics standards or other offenses arising out of the submission of bids or proposals, or performance of work on public works projects or contracts.

19. It is the responsibility of the bidder to check the Town's website before submitting bid for addendums posted prior to bid opening.

20. **Prevailing Wage Rates:**

Wage Rate Determination for this Project from the State of Connecticut is included in the bid documents. Certified payrolls for site labor shall be filled out weekly and submitted monthly to the Town on the correct State form (See Project Manual). The Town reserves the right to, without prior notice, audit payroll checks given to works on site in order to ascertain that wages and fringe benefits are being paid as required by the State of Connecticut. Contractor to comply with Connecticut General Statutes Section 31-53, as amended. Please make special note of the State requirement to adjust wage and fringe benefit rates on each July 1st following the original published rates. These revised rates are available via the internet. See State material attached.

NOTE that bidder is to include in its bid proposal all costs required by such annual increases in the PREVAILING RATES. No Escalation Clauses are to be included in the bidder's proposal and no Escalation Clauses will be in the Contract Agreement. Bidder is to anticipate any future increases and include these costs in its quotation.

Contractor's invoices will not be paid if certified payrolls are incomplete, incorrect or not received in a timely manner.

All Apprentices must be registered with the State of Connecticut and their number shall not exceed the number allowed by law. Otherwise, all workers must be paid at least the Journeyman rate listed including benefits.

**OSHA SAFETY AND HEALTH CERTIFICATION:**

Effective July 1, 2009: Any Mechanic, Laborer, or Worker, who performs work in a classification listed on the prevailing wage rate schedule on any public works project covered under C.G.S. Section 31-53, both on site and on or in the public building, must have completed a federal OSHA Safety and Health course within the last 5 years.

21. **Qualifications Statements and References:**

Each bid shall also include a description of three (3) projects completed by the bidder with references to demonstrate successful experience with similar projects.

**IMPORTANT: Failure to comply with general rules may result in disqualification of the Bidder.**

**NOTE:** Any technical questions regarding this bid shall be made **in writing** (email acceptable) and directed to Stephen M. Braun P.E., Assistant Town Engineer, 2155 Main Street, PO Box 6523, Glastonbury, CT 06033; [stephen.braun@glastonbury-ct.gov](mailto:stephen.braun@glastonbury-ct.gov). Fax (860) 652-7734 between the hours of 8:00 a.m. – 4:30 p.m. For administrative questions concerning this bid/proposal, please contact Mary F. Visone, Purchasing Agent, at (860) 652-7588. All questions, answers, and/or addenda, as applicable will be posted on the Town's website at [www.glastonbury-ct.gov](http://www.glastonbury-ct.gov). (Upon entering the website click on Bids & RFP's). The request must be received at least five (5) business days prior to the advertised response deadline. **It is the respondent's responsibility to check the website for addenda prior to submission of any bid/proposal.**

**01.00 WORKMANSHIP, MATERIALS AND EMPLOYEES**

01.01 Wherever in this contract the word "Engineer" is used, it shall be understood as referring to the Town Engineer/Manager of Physical Services of the Town of Glastonbury acting personally or through any assistants duly authorized.

01.02 The entire work described herein shall be completed in accordance with the plans and specifications to the full intent and meaning of the same. Unless otherwise specified, all materials incorporated in the permanent work shall be new, and both workmanship and material shall be of good quality. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials.

01.03 The wording "furnish", "install", "construct", "furnish and install", or any similar terms, unless specifically noted to the contrary, shall include all labor, materials, water, tools, equipment, light, power, transportation, and any other services required for the completion of the work.

01.04 The Contractor shall at all times enforce strict discipline and good order among his employees, and shall seek to avoid employing on the work any unfit person or anyone not skilled in the work assigned to him.

**02.00 SUPERINTENDENT**

02.01 The Contractor shall keep on the work during its progress, in the absence of the Contractor, a competent Superintendent. The Superintendent shall be acceptable to the Engineer and shall fully represent the Contractor. All directions given to the Superintendent shall be binding as if given to the Contractor.

**03.00 PRECONSTRUCTION MEETING**

03.01 A Preconstruction Meeting will be held with the Engineer, Contractor, and any private utility company prior to commencing any work. The Engineer shall arrange the meeting based on a mutually convenient time.

**04.00 PERMITS**

04.01 Other than local permits, all permits, licenses, and fees required for the performance of the Contract work shall be secured and paid for by the Contractor.

**05.00 PROPERTY ACCESS**

05.01 The Contractor shall take all proper precautions to protect from injury or unnecessary interference, and provide proper means of access to abutting property where the existing access is cut off by the Contractor.

05.02 The Contractor shall take all proper precautions to protect persons from injury or unnecessary inconvenience and leave an unobstructed way along the public and private places for travelers, vehicles, and access to hydrants.

05.03 The Contractor shall make arrangements with the adjacent property owners for such trespass as he may reasonably anticipate in the performance of the work. All such arrangements shall be reported, in writing, to the Engineer.

**06.00 PROTECTION OF THE PUBLIC AND OF WORK AND PROPERTY**

06.01 The Contractor shall continuously maintain adequate protection of all work from damage, and shall take all reasonable precautions to protect the Town from injury or loss arising in connection with the Contract.

06.02 The Contractor shall adequately protect adjacent private and public property as provided by law and the Contract Documents.

06.03 The Contractor shall make good any damage, injury, or loss of his work and to the property of the Town resulting from lack of reasonable protective precautions.

**07.00 EXISTING IMPROVEMENTS**

07.01 The Contractor shall conduct his work so as to minimize damage to existing improvements. Except where specifically stated otherwise in the specifications, drawings, or as directed by the Engineer, it will be the responsibility of the Contractor to restore to their original condition, as near as practical, all improvements on public or private property. This shall include:

- a. Property within and adjacent to the side of installation such as shrubs, walks, driveways, fences, etc.
- b. Utility mains, ducts, poles, and services. The Contractor is hereby notified that utilities, if/where shown on the plans, are at approximate locations. These locations are subject to possible errors in the source of information and errors in transcription. The Contractor shall make certain of the exact location of all mains, ducts, poles, and services prior to excavation.

**08.00 SEPARATE CONTRACTS**

08.01 The Engineer reserves the right to let other contracts in connection with this work. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate his work with theirs. Wherever work being done by the Town of Glastonbury forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by the Engineer to secure the completion of the various portions of the work.

**09.00 INSPECTION OF WORK**

09.01 The Town shall provide sufficient personnel for the inspection of the work.

09.02 The Engineer shall at all times have access to the work whenever it is in preparation or progress, and the Contractor shall provide proper facilities for such access and for inspection.

09.03 If the specifications or the Engineer's instructions require any work to be specially tested or approved, the Contractor shall give the Engineer timely notice of its readiness for inspection and, if the inspection is by another authority other than the Engineer, of the date fixed for such inspection. Inspections by the Engineer shall be made promptly. If any work should be covered up without approval or consent of the Engineer, it must, if required by the Engineer, be uncovered for examination and properly restored at the Contractor's expense.

09.04 Reinspection of any work may be ordered by the Engineer. If such work is found to be in accordance with the Contract Documents, the Town shall pay the cost of reinspection and replacement. If such work is not in accordance with the Contract Documents, the Contractor shall pay such cost.

**10.00 RIGHT TO INCREASE OR DECREASE WORK**

10.01 The Town shall have the right to increase or decrease the amount of work herein specified as may be required.

**11.00 RIGHT OF ENGINEER TO STOP WORK FOR WEATHER CONDITIONS**

11.01 Should the work, in the opinion of the Engineer, be in danger by reason of inclemency of weather, or could not be finished in time to prevent such danger, the Contractor shall cease operations upon order of the Engineer, and shall not resume them until ordered to do so by the Engineer when the weather conditions are favorable. The Contractor shall, upon such orders, discontinue work, remove all materials or appliances for or in use upon the work, and place the streets in proper condition for use by the public during the time the work is suspended as herein provided, without cost to the Town.

**12.00 CONTRACTOR TO BE RESPONSIBLE FOR IMPERFECT WORK OR MATERIALS**

12.01 Any faithful work or imperfect material that may be discovered before the acceptance and the payment of the work shall be corrected upon the order of the Engineer. The acceptance and payment of the work does not in any manner relieve the Contractor of his obligation to construct work in the proper manner and the use of materials herein specified.

**13.00 TOWN MAY NOTIFY CONTRACTOR IF WORK IS NOT CARRIED ON SATISFACTORILY**

13.01 If, in the opinion of the Engineer, the Contractor is not proceeding with the work at a sufficient rate of progress so as to finish in the time specified, or has abandoned said work, or is not complying with the terms and stipulations or the Contract and specifications, the Engineer may serve notice on the Contractor to adopt such methods as will ensure the completion of the work in the time specified.

13.02 If, within five days after the Engineer has notified the Contractor that his work is not being carried on satisfactorily as before mentioned, the Engineer shall have the right to annul the Contract and manage the work under the direction of the Engineer, or re-let, for the very best interest of the Town as a new contract, the work under said new Contract shall be considered the responsibility of the defaulting Contractor.



13.03 Additional costs incurred over and above the original Contract shall be borne by the Performance Bond.

**14.00 DEDUCTIONS FOR UNCORRECTED WORK**

14.01 If the Engineer deems it inexpedient to correct work that has been damaged or that was not done in accordance with the Contract, an equitable deduction from the Contract price shall be made therefor.

14.02 The Contractor shall promptly remove from the premises all materials condemned by the Engineer as failing to meet Contract requirements, whether incorporated in the work or not, and the Contractor shall promptly replace and re-execute his own work in accordance with the Contract and without expense to the Town, and shall bear the expense of making good all work by other contractors destroyed or damaged by such removal or replacement.

14.03 If the Contractor does not remove such condemned work and materials as promptly as possible after written notice, the Engineer may remove them and store the materials at the expense of the Contractor.

**15.00 CLEANING UP**

15.01 The Contractor must remove all debris of every description as the work progresses and leave the surroundings in a neat and orderly condition to the satisfaction of the Engineer.

15.02 Upon completion, and before acceptance and final payment, the Contractor shall remove from the site all equipment, forms, surplus material, rubbish and miscellaneous debris and leave the site in a neat and presentable condition.

**16.00 ROYALTIES AND PATENTS**

16.01 The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall save the Town of Glastonbury harmless from loss on account thereof, except that the Town of Glastonbury shall be responsible for all such loss when a particular manufacturer, product, or process is specified by the Town of Glastonbury.

**01.00 NOTICE TO CONTRACTOR**

- 01.01 Intent of Contract: The intent of the Contract is to prescribe a complete work or improvement that the Contractor undertakes to do, in full compliance with the specifications, plans, special provisions, proposal, and Contract. The Contractor shall perform all work in close conformity with the lines, grades, typical cross-sections, dimensions, and other data shown on the plans or as modified by written orders, including the furnishing of all materials, implements, machinery, equipment, tools, supplies, transportation, labor, and all other things necessary to the satisfactory prosecution and completion of the project.
- 01.02 The Contractor is hereby alerted to the fact that the State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction, Form 816 (Form 816") and supplements thereto are to be considered part of the Contract Documents. The Form 816 shall not be provided by the Town and any cost associated therewith shall be the responsibility of the Contractor. In case of any discrepancy between the Contract Drawings or Specifications and the Form 816, the matter shall immediately be submitted to the Engineer. The Engineer shall have sole authority in resolving any discrepancies.
- 01.03 Much time and effort has gone into this project in an effort to minimize impact on trees and adjacent properties. Extreme care shall be taken by the Contractor to honor commitments made by the Town. Prior to doing any work, the Contractor shall meet with the Engineer to become familiar with the conditions encountered and commitments made.
- 01.04 The Town of Glastonbury Highway Department will be handling certain portions of the work as described on the plans. As such, the Contractor will be required to closely coordinate his operations with the Town in order to ensure the proper progress of the work such that the roadway can be opened to traffic by December 1, 2012.

**02.00 COMMUNICATIONS**

- 02.01 All notices, demands, requests, instructions, approvals, proposals, and claims must be in writing.
- 02.02 Any notice to, or demand upon, the Contractor shall be sufficiently given if delivered at the office of the Contractor stated on the signature page of the Agreement (or at such other office as the Contractor may, from time to time, designate) in a sealed, postage-prepaid envelope or delivered with charges prepaid to any telegraph company for transmission, in each case addressed to such office.
- 02.03 All papers required to be delivered to the Town shall, unless otherwise specified in writing to the Contractor, be delivered to the Town Engineer/Manager of Physical Services, 2155 Main Street, Glastonbury, CT 06033, and any notice to, or demand upon, the Town shall be delivered at the above address in a sealed, postage-prepaid envelope or delivered with charges prepaid to any telegraph company for transmission, in each case addressed to such office or to such other representatives of the Town, or to such other address as the Town may subsequently specify in writing to the Contractor for such purpose.
- 02.04 Any such notice shall be deemed to have been given as of the time of actual delivery or, in case of mailing, when the same should have been received in due course of post or, in the case of telegrams, at the time of actual receipt, as the case may be.

**03.00 PARTIAL USE OF IMPROVEMENTS**

03.01 The Town may, at its election, give notice to the Contractor and place in use those sections of the work that have been completed, inspected and can be accepted as complying with the Contractor Documents and if, in its opinion, each such section is reasonably safe and fit for the use and accommodation for which it was intended, provided:

- a. The use of such sections of the work shall not materially impede the completion of the remainder of the work by the Contractor.
- b. The Contractor shall not be responsible for any damages or maintenance costs due directly to the use of such sections.
- c. The use of such sections shall in no way relieve the Contractor of his liability due to having used defective materials or to poor workmanship.
- d. The period of guarantee shall not begin until the date of the final acceptance of all work required under this Contract.

**04.00 INSURANCE**

04.01 The Contractor shall, at its own expense and cost, obtain and keep in force during the entire duration of the Project or Work the following insurance coverage covering the Contractor and all of its agents, employees and sub-contractors and other providers of services and shall name **the Town, their employees and agents as an Additional Insured** on a primary and non-contributory basis to the Bidders Commercial General Liability and Automobile Liability policies. **These requirements shall be clearly stated in the remarks section on the Contractors Certificate of Insurance.** Insurance shall be written with Carriers approved in the State of Connecticut and with a minimum Best's Rating of A-. In addition, all Carriers are subject to approval by the Town. Minimum Limits and requirements are stated below:

- a. Worker's Compensation Insurance:
  - Statutory Coverage
  - Employer's Liability
  - \$100,000 each accident/\$500,000 disease-policy limit/\$100,000 disease each employee
- b. Commercial General Liability:
  - Including Premises and Operations, Products and Completed Operations, Personal and Advertising Injury, Contractual Liability and Independent Contractors
  - Limits of Liability for Bodily Injury and Property Damage  
Each Occurrence: \$1,000,000  
Aggregate: \$2,000,000  
(The Aggregate Limit shall apply separately to each job.)

- A Waiver of Subrogation shall be provided.

c. Automobile Insurance:

- Including all owned, hired, borrowed, and non-owned vehicles
- Limit of Liability for Bodily Injury and Property Damage  
Per Accident: \$1,000,000

04.02 The Bidder shall direct its Insurer to provide a Certificate of Insurance to the Town before any work is performed. The Certificate shall specify that the Town shall receive 30 days advance written notice of cancellation or non-renewal. The Certificate shall evidence all required coverage including the Additional Insured and Waiver of Subrogation. The Bidder shall provide the Town copies of any such insurance policies upon request.

04.03 INDEMNIFICATION: To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Town and their consultants, agents, and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineers, attorneys and other professionals and court and arbitration costs) arising out of or resulting from the performance of the Contractor's work, provided that such claim, damage, loss or expense is caused in whole or in part by any negligent act or omission by the Contractor, or breach of its obligations herein or by any person or organization directly or indirectly employed or engaged by the Contractor to perform or furnish either of the services, or anyone for whose acts the Contractor may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.

**05.00 WORK BY OTHERS**

05.01 Private utilities, contractors, developers or other parties may be expected to be working within the Contract area during this Contract. It shall be the responsibility of the Contractor to coordinate his work with the work being done by others in order that the construction shall proceed in an efficient and logical manner. The Contractor shall have no claim or claims whatever against the Town, the Engineer, or other parties due to delays or other reasons caused by the work by others or his failure to coordinate such work.

**06.00 CONTRACTOR'S WORK AND STORAGE AREA**

06.01 The Contractor shall contact the Town to determine if any specific locations will be designated, or gain its approval prior to using any area for storage of equipment, materials and trailers during the period of this Contract. The Contractor shall confine his work/storage area to the limits as designated or approved and shall be responsible for the security of the work/storage area. Upon completion of the Contract, the Contractor shall remove all equipment and materials, except as otherwise specified, and restore the site to its original condition as approved by the Engineer and at not cost to the Town.

**07.00 DISPOSAL AREA**

07.01 The Tryon Street Bulky Waste Facility will be available to the Contractor, at no charge, for disposal of materials that are accepted at that facility. Waste disposal guidelines for the Bulky Waste facility are published on the Town web site at the address shown below. Each bidder shall have reviewed and understand these guidelines prior to submitting a bid for the project.

<http://www.glastonbury-ct.gov/Modules/ShowDocument.aspx?documentid=699>

Acceptable materials generally include such materials as brush, stumps, demolition materials, and excess excavated earth materials. Unacceptable materials generally include such items as carpet, appliances, upholstered furniture; hazardous wastes such as pesticides, oil based paints and thinners; or other wastes as designated by the State Department of Environmental Protection. Demolition material cannot contain asbestos or other hazardous materials.

The Contractor shall obtain a disposal area for all other unsuitable or surplus materials at no cost to the Town.

**08.00 DUST CONTROL**

08.01 During the progress of the work, the Contractor shall conduct his operations and maintain the area of his activities so as to minimize the creation and dispersion of dust. If the Engineer decides that it is necessary to use water or calcium chloride for more effective dust control, the Contractor shall furnish and spread the material, as directed, without additional compensation.

**09.00 MAINTENANCE / GUARANTEE PERIOD**

09.01 The Contractor shall be held responsible to the Town for maintenance for a minimum of one-year following completion of all work under this Contract with respect to defects, settlements, etc.

**10.00 PROTECTION OF EXISTING UTILITIES**

10.01 Before starting any excavation, the Contractor shall submit to the Engineer plans or details showing the proposed method the Contractor will use to support and protect all existing utilities during construction. The furnishing of such plans and details shall not serve to relieve the Contractor of any responsibility for the proper conduct of the work.

10.02 There will be no extra payment for submitting plans or details for supporting and protecting all existing utilities during construction.

**11.00 TIME FOR COMPLETION / NOTICE TO PROCEED**

11.01 Within ten (10) calendar days after the date of the Notice of Award, the Contractor must provide the appropriate bond and insurance certificates to the Town Purchasing Agent and must be issued a Purchase Order for the Project prior to initiating any work.

11.02 Construction work on this project is expected to start during the month of September, 2012. The Contractor shall be required to coordinate his operations with the Town of Glastonbury Highway Department, who is handling certain portions of the work as described on the construction sequence on Sheet 1 of 5 of the Contract Plans.

11.03 After the work has begun, it shall continue in an orderly fashion such that all contract work is completed within sixty (60) calendar days from the date of commencement, or no later than November 23, 2012 in order to ensure that the road can be paved and opened to traffic by December 1, 2012.

**12.00 LIQUIDATED DAMAGES**

12.01 As actual damages for any delay in completion of the work that the Contractor is required to perform under this Contract are impossible to determine, the Contractor and the Sureties shall be liable for and shall pay to the Town the sum of \$250.00 as fixed, agreed and liquidated damages for each calendar day of delay from the above-stipulated completion, or completion as modified in writing by both parties, until such work is satisfactorily completed and accepted.

**13.00 SCHEDULE OF DRAWINGS**

13.01 The Contractor is hereby alerted that the plan sheets entitled "Plan Depicting Existing and Proposed Conditions at Naubuc Avenue Bridge (Sheet 1)", "Cross Section Existing and Proposed Conditions at Naubuc Avenue Bridge (Sheet 2)", and "Erosion Control Plan and Miscellaneous Details for Naubuc Avenue Bridge (Sheet 3) prepared by the Town Glastonbury Engineering Division and "Layout Plan (Sheet 4) and "Reconstruction Details 1 (Sheet 5) prepared by CME Associates, Inc. are to be considered part of these specifications.

**14.00 CHANGES IN THE WORK**

14.01 The Town reserves the right to perform portions of the work in connection with these plans and specifications. The reduction in the work to be performed by the Contractor shall be made without invalidating the Contract. Whenever work is done by the Town contiguous to other work covered by this Contract, the Contractor shall provide reasonable opportunity for the execution of the work and shall properly coordinate his work with that of the Town.

**15.00 LAYOUT OF WORK**

15.01 The Town shall provide stake-out of the work in accordance with the plans or as directed by the Engineer. The Contractor shall protect all stakes from damage or destruction and shall be responsible to assure that the grade stakes have not been altered prior to actual construction. The Town shall replace grade stakes that have been removed, at no cost to the Contractor, if their removal was caused by reasons beyond reasonable care and protection by the Contractor. If it is determined by the Engineer that the Contractor did not provide reasonable protection, the cost of restaking will be deducted from any amounts due the Contractor in the performance of the work.

**16.00 REMOVAL AND STORAGE OF MATERIALS AND STRUCTURES FOUND ON THE WORK**

16.01 All salvageable materials, including topsoil, gravel, fill materials, etc. and structures, including drainage pipes, catch basins and manhole frames and covers, guide railing, etc. that are not to remain in place or that are not designated for use in the work, shall be carefully removed by the Contractor and stored at such places as directed by the Engineer. All salvageable materials removed and stored shall remain the property of the Town. The Engineer shall determine the materials or structures to be salvaged.

**17.00 PROSECUTION AND PROGRESS**

17.01 The Contractor shall give the Engineer a seven-day advance written notice of construction activities that will alter traffic patterns that result in lane shifts, detours, temporary closures of lane(s), permanent closure of lane(s), or lane reductions. This advance notification will allow the Town to publish news releases and/or provide public radio announcements to inform the public of revised traffic patterns or possible traffic delays. Failure of the Contractor to provide such timely notice shall be considered a breach of Contract and will subject the Contractor to stop work orders until such time as the seven-day notice has been satisfied.

**18.00 EXTRA AND COST PLUS WORK**

18.01 Extra and cost plus work shall be governed by Article 1.04.05 and Article 1.09.04 of the Form 816.

**19.00 COMPLIANCE WITH ENVIRONMENTAL PERMITS**

19.01 A Town of Glastonbury Inland Wetland Permit and Section 4.11 Flood Zone Permit were required for this project and these approvals are included on the construction plans. By submitting a bid, the Contractor confirms that they have read and are familiar with all of the required conditions of this permit and will conduct the work in a manner consistent with these requirements.

**20.00 SUBMITTALS AND MATERIALS TESTING**

20.01 The Contractor shall provide source and supply information, gradation analysis, and material samples for pervious structure backfill and all other granular materials to the Town for review and approval. The Town shall retain a lab for testing of these materials if required and shall perform in place compaction testing at no expense to the Contractor.

20.02 Shop drawings / catalog cuts shall be provided by the Contractor for all pre-cast concrete structures, pipes and fittings, erosion control products, geotextile fabric, seed mixes, and other items to be supplied for review and approval by the Engineer as described in the specifications and the Form 816.

20.03 Mix designs for all bituminous and portland cement concrete materials shall be provided by the Contractor to the Engineer for review and approval.

- 20.04 Certified Materials Test Reports and Materials Certificates shall be provided for all products and materials to be provided under this contract as described in these specifications and the Form 816.
- 20.05 Shop drawings for the proposed debris shields / work platforms shall be submitted to the Engineer for review as described in Section 295.



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**102.0 STRUCTURE EXCAVATION**

102.1 General: This item shall conform to Section 2.03 STRUCTURE EXCAVATION of the Form 816, with the following section(s) replaced.

102.2 Basis of Payment (Section 2.03.05): Payment for this work will be made at the Contract Lump Sum Price for: Structure Excavation—Earth (complete), which price shall include all materials, tools, and equipment; all work related to cofferdams, including their design, construction, dewatering, repair, removal of obstructions, and any required reconstruction; all labor necessary to complete the excavation in conformity with the requirements of the plans or as ordered by the Engineer; the preparation of foundations as described under Article 2.03.03 of the Form 816; all necessary filling, except as otherwise provided in the Contract; and the removal and disposal of all surplus or unsuitable material resulting from the excavations.

**114.0 PERVIOUS STRUCTURE BACKFILL**

114.1 General: Pervious structure backfill shall include the furnishing, placing, and compaction of pervious material adjacent to structures. This item shall also consist of furnishing and placing crushed stone or gravel in burlap bags at the inlet ends of weep holes in structures to the dimensions indicated on the plans or as ordered by the Engineer.

114.2 Material: Pervious structure backfill shall conform to the requirements of Article M.02.05.

The materials for bagged stone shall conform to the following requirements:

(a) The crushed stone or gravel shall conform to the grading requirements of Article M.01.01 for No. 3 or No. 4 coarse aggregate or a mixture of both.

(b) The bag shall be of burlap and shall be large enough to contain one cubic foot of loosely packed granular material.

114.3 Construction Methods: Pervious structure backfill shall be placed adjacent to abutments, retaining walls, box culverts, and elsewhere as called for. It shall be placed above a plane extending on a 2 to 1 slope from the upper edge of the footing to the top of the embankment, or as shown on the plans. Where the face of undisturbed material is above or beneath this slope plane, the amount of pervious structure backfill shall be decreased or increased accordingly, if ordered by the Engineer.

In filling behind abutments, retaining walls, box culverts, or other structures, the fill is placed against undisturbed material, or against compacted embankments having a length in a direction at right angles to the abutment wall or culvert not less than twice the height of the structure against which the fill is placed. The slope of the embankment on which the pervious structure backfill is to be placed shall be plowed deeply or cut into steps before and during the placing of pervious structure backfill so both types of material will be thoroughly bonded and compacted.

Each layer of pervious structure backfill shall be spread to a thickness not exceeding 6 inches in depth after compaction and shall be thoroughly compacted as directed by the Engineer by the use of power rollers or other motorized vehicular equipment, by tamping with mechanical rammers or vibrators, or by pneumatic tampers. Any equipment not principally manufactured for compaction purposes and equipment, which is not in proper working order in all respects, shall not be used within the area described above.

Special attention shall be given to compaction in places close to walls where motorized vehicular equipment cannot reach. Within 3 feet of the back face of walls and within a greater distance at angle points of walls, each layer of pervious structure backfill shall be compacted by mechanical rammers, vibrators, or pneumatic tampers.

The dry density of each layer of pervious structure backfill formed from broken or crushed stone, broken or crushed gravel or reclaimed miscellaneous aggregate free of bituminous concrete shall have a dry density after compaction that is no less than 100 percent of the dry density for that material when tested in accordance with AASHTO T180, Method D. If a layer formed from reclaimed miscellaneous aggregate containing bituminous concrete is placed as pervious structure backfill, the wet density of this layer after compaction shall not be less than 100 percent of the wet density of that material when tested in accordance with AASHTO T180, Method D.

In this test, material retained on the ¾ inch sieve shall be replaced with material retained on the number 4 sieve, as noted as an option in the specifications for this test.

Each layer of the pervious structure backfill shall be compacted at optimum moisture content. No Subsequent layer shall be placed until the specified compaction is obtained for the pervious layer.

Where weep holes are installed, bagged stone shall be placed around the inlet end of each weep hole, to prevent movement of the pervious material into the weep hole. Approximately one cubic foot of crushed stone or gravel shall be enclosed in each of the burlap bags. All bags shall then be securely tied at the neck with cord or wire so that the enclosed material is contained loosely. The filled bags shall be stacked at the weep holes to the dimensions shown on the plans or as directed by the Engineer. The bags shall be unbroken at the time pervious material is placed around them, and bags which are broken or burst prior to or during the placing of the pervious material shall be replaced at the expense of the contractor.

114.4 Method of Measurement: Payment lines for pervious structure backfill shall coincide with the limits of the compacted pervious structure backfill as actually placed and ordered by the Engineer. There shall be no direct payment for bagged stone, but the cost thereof shall be considered as included in the cost of the work for "Pervious Structure Backfill".

114.5 Basis of Payment: Pervious structure backfill will be paid for the contract unit price per cubic yard for "Pervious Structure Backfill", complete in place.

**120.0 RESETTING STONE MASONRY**

120.1 General: Work under this item shall consist of removing existing in place stones and relocating displaced and fallen stones in order to reset the stones within cement rubble masonry walls, dry rubble masonry walls, or other stone masonry structures where indicated and to the limits necessary to complete the work, approved by the Engineer prior to commencing with the work.

This item shall only apply to removal and resetting of spandrel wall (headwall) stones that are below the bottom of footing elevation of the bridge parapet and concrete curb base and are required to be removed and reset for structural stability of the headwall and bridge parapet as directed by the Engineer.

120.2 Materials: Stones shall consist of existing stones removed and prepared for reuse as necessary to complete the work. Cracked, deteriorated, and missing stones shall be replaced as directed by the engineer with stones conforming to Article M.11.02 for rubble masonry stone.

120.3 Construction Methods: Existing stone masonry shall be removed to the limits necessary to complete the work, approved by the Engineer prior to removal. Due precaution shall be taken to avoid damage to existing construction to remain, new construction, public utility installations or abutting property. Any damage shall be repaired by the Contractor, as directed by the Engineer, and at no cost to the Town.

Pneumatic hammers or any other method approved by the Engineer may be used to remove the existing masonry. Maximum 15 pound hammers shall be used for general removal of stone. When removing stone, the Contractor shall take necessary precautions to prevent construction materials, equipment and debris from dropping into the areas below the structure and into the stream.

The Contractor shall take necessary precautions to prevent any damage to the portions of the structure to remain. Any damage shall be repaired by the Contractor, as directed by the Engineer, and at no cost to the Town.

All material that is not salvaged for reuse due to damage or deterioration shall be considered debris. All debris shall be legally disposed of, from the site, by the Contractor.

Resetting stone masonry within Cemented Rubble Masonry construction shall conform to Article 6.06.03. Resetting stone masonry with Dry Rubble Masonry construction shall conform to Article 6.07.03.

122.4 Method of Measurement: Stone masonry reset under this item shall be measured for payment by the actual number of cubic yards of stones removed, prepared, and reset to the limits determined in the field and as directed and approved by the Engineer.

122.5 Basis of Payment: This work will be paid for at the contract unit price per cubic yard (C.Y.) for "Resetting Stone Masonry" complete in place, including all materials, equipment, tools, labor, and miscellaneous materials and items incidental thereto.

**125.0 CLASS "A" CONCRETE**

125.1 General: This item shall conform to Section 6.01 CONCRETE FOR STRUCTURES, of the Form 816, with the following sections amended or replaced:

125.2 Basis of Payment (Section 6.03.05): Payment for this work will be made as follows:

This material will be paid for at the contract unit price per cubic yard for "Class A Concrete", complete in place, which price shall include all materials, equipment, tools, labor and work incidental thereto, including heating, all admixtures and joint sealer.

No direct payment will be made for the work of testing the concrete in structures, any testing equipment, the instruction of its use, or for the concrete in or curing of the required test cylinders as specified, or for completion dates set in the forms; but, the cost of this work shall be considered as included in the general cost of the work. The work of transporting and testing cylinders will be done by the Town without expense to the Contractor.

There shall be no direct payment for the cost of forming keys or construction joints, but the cost thereof shall be considered as included in the cost of the concrete items.

Where steel dowels are used, this material will be paid for under the reinforcement item. There shall be no direct payment for forming weep holes through the wall or for the pipe necessary for this purpose, but the cost thereof shall be considered as included in the general cost of the work.

There shall be no direct payment for the work of placing anchor bolts and similar materials.

**130.0 DEFORMED STEEL BARS – EPOXY COATED**

130.1 General: This item shall conform to Section 6.02 REINFORCING STEEL, of the Form 816, with the following section(s) replaced:

130.2 Basis of Payment (Section 6.02.05): Payment for this work will be made as follows:

This work will be paid for at the contract unit price per pound for "Deformed Steel Bars – Epoxy Coated", complete in place and accepted, including shop drawings, furnishing, fabricating and placing reinforcing steel, welding splices and all materials, equipment, tools, labor and work incidental thereto.

**135.0 STRUCTURAL STEEL**

135.1 General: This item shall conform to Section 6.03 STRUCTURAL STEEL, of the Form 816, with the following section replaced:

135.2 Basis of Payment: The structural steel and metal of the various other types covered by this section, incorporated in the completed and accepted structure, will be paid for at the contract unit price per pound (lb) for "Structural Steel".

Payment shall be for structural steel, complete in place, which price shall include furnishing, fabricating, transporting, erecting, surface preparation, painting, galvanizing and all materials, equipment, tools and labor incidental thereto.

No direct payment will be made for setting anchor bolts and anchorage material, preparing bearing areas, furnishing and placing materials under shoes and setting shoes, but the cost thereof shall be included in the general cost of the work.

Anchorage materials furnished by the Contractor for the superstructure and placed by the Contractor for the substructure will be included as part of the superstructure contract.



**140.0 STONE MASONRY FACING**

- 140.1 General: Stone masonry facing for the proposed bridge parapet and reinforced concrete curb base shall conform to Section 6.06 CEMENT RUBBLE MASONRY, of the Form 816, with the following sections replaced:
- 140.2 Materials: Stones shall consist of existing stones removed from the parapet, stored and protected by the Contractor, and prepared for reuse as necessary to complete the work. Cracked, deteriorated, and missing stones shall be replaced as directed by the Engineer with stones conforming to Article M.11.02 for rubble masonry stone and similar in appearance to the existing stones. Mortar shall conform to Article M.11.04.
- 140.3 Method of Measurement: The quantity of Stone Masonry Facing shall be the actual number of square feet of parapet or curb base facing, completed and accepted, within the neat lines as shown on the plans or as ordered by the Engineer.
- 140.4 Basis of Payment: This work will be paid for at the contract unit price per square foot for "Stone Masonry Facing" complete in place which price shall include all materials, equipment, tools and labor incidental thereto.

**141.0 RESET PARAPET END STONE**

- 141.1 General: Work related to resetting the existing parapet end stones for the bridge shall conform to Section 6.06 CEMENT RUBBLE MASONRY, of the Form 816, with the following sections replaced:
- 141.2 Materials: Parapet end stones shall consist of existing end / corner stones, of approximate dimensions 1.75' tall, 3.25' long, and 2.0' wide, that are removed from the parapet, stored and protected by the Contractor, and prepared for reuse as necessary to complete the work. Mortar shall conform to Article M.11.04.
- 141.3 Method of Measurement: The quantity of Reset Parapet End Stone shall be the number of end stones removed, protected, and reset, completed and accepted, as shown on the plans or as ordered by the Engineer.
- 141.4 Basis of Payment: This work will be paid for at the contract unit price for each "Reset Parapet End Stone" complete in place which price shall include all materials, equipment, tools and labor incidental thereto.

**142.0 RESET PARAPET CAP STONES**

- 142.1 General: Work related to resetting the existing parapet cap stones shall conform to Section 6.06 CEMENT RUBBLE MASONRY, of the Form 816, with the following sections replaced:
- 142.2 Materials: Cap stones shall consist of existing cap stones removed from the bridge parapet cap, stored and protected by the Contractor, and prepared for reuse as necessary to complete the work. Mortar shall conform to Article M.11.04.
- 142.3 Method of Measurement: The quantity of Reset Parapet Cap Stones shall be the actual number of linear feet of cap stone measured in place along the length of the parapet and parallel with the road, completed and accepted.
- 142.4 Basis of Payment: This work will be paid for at the contract unit price per linear foot for "Reset Parapet Cap Stones" complete in place which price shall include all materials, equipment, tools and labor incidental thereto.

**160.0 REPOINTED MASONRY**

160.1 General: This item shall conform to Section 6.09 REPOINTED MASONRY, of the Form 816, with the following section replaced:

160.2 Basis of Payment: This work will be paid for at the contract unit price per square yard for "Repointed Masonry" which price shall include all materials, equipment, tools and labor incidental thereto.

**230.0 METAL BEAM RAIL TYPE RB-350**

230.1 General: This item shall conform to Section 9.10 METAL BEAM RAIL, of the Form 816, amended as follows:

230.2 Materials: Weathering Steel shall be used for rail elements, terminal sections, and posts which shall meet the requirements described Article M.10.02 of the Form 816.

**235.0 METAL BEAM RAIL ANCHORAGES**

235.1 General: This item shall conform to Section 9.11 METAL BEAM RAIL ANCHORAGES, of the Form 816, amended as follows:

235.2 Materials: Weathering Steel shall be used for rail elements, terminal sections, and posts as described Article M.10.02 of the Form 816.

**240.0 R-B 350 BRIDGE ATTACHMENT – VERTICAL SHAPED PARAPET**

240.1 General: Work under this item shall conform to the requirements of Section 9.10 METAL BEAM RAIL of the Form 816 amended as follows:

240.2 Materials: Add the following paragraphs to Article 9.10.02:

4. Concrete for the reinforced concrete curb base as indicated on the plans shall be Class 'A' concrete and comply with Section 6.01.

5. Anchor bolts for attachment to end post shall be as specified on the plans.

240.3 Construction Methods: Add the following paragraphs to Article 9.10.03:

The standard R-B 350 Bridge Attachment for a vertical shaped parapet shall be replaced with a steel post and attachment plate located at the ends of the stone masonry parapets as shown on the plans. The posts for the attachment of the R-B 350 rail shall be installed plumb and inline with adjacent posts required for the bridge attachment transition as shown on the plans. The contractor shall take all measurements and verify all elevations as needed to ensure proper fit and finish of the work.

240.4 Basis of Payment: Add the following paragraph to Article 9.10.05:

Section 3 – R-B 350 Bridge Attachment – Vertical Shape Parapet:

The cost for the Class 'A' concrete used for the reinforced concrete curb base shall not be included in the cost of this item. The cost for the structural steel plates used for the end post and the post base plates shall not be included in the cost for this item. Rather, these items shall be measured and paid for under the respective items included in the contract.

**290.0 REMOVAL OF EXISTING MASONRY**

290.1 General: Work under this item shall conform to the requirements of Section 9.74 REMOVAL OF EXISTING MASONRY of the Form 816 amended as follows:

290.2 Description: Delete Article 9.74.01 in its entirety and replace with the following:

This work shall include the removal of all bridge parapets, footings, retaining walls, and structures, or portions thereof, as indicated on the plans, constructed of concrete, dry masonry, cement rubble masonry, and brick masonry, the removal of which is necessary to complete the work. Stone masonry shall be salvaged and prepared for reuse.

290.3 Construction Methods: Replace the last sentence of Article 9.74.02 with the following:

The material excavated in order to perform the work shall be legally disposed of.

Add the following: Pneumatic hammers or any other method approved by the Engineer may be used to remove the masonry. Maximum 15 pound hammers shall be used for general removal of stone and brick. When removing stone and brick, the Contractor shall take necessary precautions to prevent construction materials, equipment and debris from dropping into the areas below the structure and into the stream.

The Contractor shall take necessary precautions to prevent any damage to the portions of the structure to remain. Any damage shall be repaired by the Contractor, as directed by the Engineer, and at no cost to the Town.

Removed stone shall be reused in the reconstruction of existing walls or structures, or in new construction, as indicated on the plans and shall be cleaned and thoroughly prepared for reused under this item. All existing material that is not salvaged due to damaged or deterioration, or which is in excess of that required for reuse to complete the work shall be considered debris. All debris shall be legally disposed of, from the site, by the Contractor.

290.4 Method of Measurement: Delete Article 9.74.04 in its entirety and replace with the following: Being a lump sum item this work will not be measured for payment.

290.5 Basis of Payment: Delete Article 9.74.05 in its entirety and replace with the following:

This work will be paid for at the contract lump sum price for "Removal of Existing Masonry", which price shall include all equipment, tools and labor incidental thereto.



**295.0 DEBRIS SHIELDS**

295.1 General: This item shall consist of configuring, designing, installing, and maintaining debris shields on both sides of the bridge as required to prevent objects, equipment, construction materials, and debris from falling into the stream below the work areas. These debris shields may also serve as temporary work platforms.

295.2 Materials: Provide materials that comply with the following:

If scaffolding is used, the scaffolding legs shall be manufactured with pipe having a min. O.D. of 1.625" with a wall thickness of 0.1 inch.

Acceptable lumber and timber Species and Grade: Balsam fir, Douglas fir-larch, Douglas fir-larch (North), eastern hemlock tamarack (North), hem-fir, southern pine, western hemlock, or western hemlock (North); No. 2 or better, NELMA, NLGA, SPIB, WCLIB, or WWPA.

All steel shapes, plates, and tubes, unless otherwise specified, shall conform to ASTM A-36, as amended to date. Steel pipe shall conform to ASTM 53, Grade B.

Anchor bolts shall be removable mechanical anchor bolts.

295.3 Construction Methods: Prior to the start of construction the contractor shall, in the field, verify all elevations and dimensions, the overall dimensions required for the debris shields. The contractor is responsible for and shall determine the location and type of supports to be used, the configuration of the debris shield platform, and the manner of installation and removal. The contractor shall configure and design the debris shields to adequately support the loading requirements necessary to meet all relevant codes and standards.

There shall be no more than six (6) temporary supports, stanchions, columns, or support legs allowed within the waterway for the purposed of supporting the debris shield / work platform.

If the contractor will use the debris shield as a work platform, the configuration of debris shield shall include all applicable OSHA compliant railings, ladders, toe boards and appurtenances. If the contractor will use the debris shield as a support platform for materials or equipment that exceeds the loading provided on the plans, the debris shield shall be designed to support the highest anticipated loads located to induce maximum stress effects.

Any supports founded on the streambed shall be adequately supported by concrete blocks to distribute loads. The configuration and installation of the debris shield shall allow for its timely removal during inclement weather events.

The contractor shall submit for review, the configuration and design of the debris shield, which shall include a list of equipment and materials, if any, that are to be supported by the debris shield during construction which exceed the loads provided on the plans.

295.4 Method of Measurement: Debris Shields installed, adequately maintained for the duration of the work, and completely removed, shall be paid for at the Contract lump sum price for "Debris Shields".

295.5      Basis of Payment: Debris Shields will be paid for at the Contract lump sum price for "Debris Shields", which price shall include all materials, equipment, tools and labor incidental to the installation of the debris shields complete in place, adequately maintained throughout the duration of the work for which its use is required, and completely removed upon completion of the work.

Proposal of \_\_\_\_\_  
(hereinafter called "Bidder"), organized and existing under the laws of the State of \_\_\_\_\_  
\_\_\_\_\_, doing business as \_\_\_\_\_  
\_\_\_\_\_.

To the Town of Glastonbury (hereinafter called "Town").

In compliance with your Invitation to Bid, the Bidder hereby proposed to furnish materials and/or services as per Bid Number GL-2012-17 in strict accordance with the Bid Documents, within the time set forth therein, and at the prices stated below.

By submission of this bid, the Bidder certifies, and in the case of a joint bid each party thereto certifies as to their own organization that this bid has been arrived at independently without consultation, communication, or agreement as to any matter relating to this bid with any other Bidder or with any competitor.

The Bidder acknowledges receipt of the following:

Addendum #1 \_\_\_\_\_

Addendum #2 \_\_\_\_\_

Addendum #3 \_\_\_\_\_

It is the responsibility of the Bidder to check the Town's website for any Addendum before submitting the bid.

**NAUBUC AVENUE BRIDGE REHABILITATION  
 BID PROPOSAL**

**BID #GL-2012-17**

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
1.	<b>Structure Excavation – Earth (Complete)</b> in accordance with Section 102.0 of the Detailed Construction Specifications	Lump Sum	\$_____/L.S.	\$_____
2.	<b>Pervious Structure Backfill</b> in accordance with Section 114.0 of the Detailed Construction Specifications	50 CY	\$_____/C.Y.	\$_____
3.	<b>Resetting Stone Masonry</b> in accordance with Section 120.0 of the Detailed Construction Specifications	15 CY	\$_____/C.Y.	\$_____
4.	<b>Class ‘A’ Concrete</b> in accordance with Section 125.0 of the Detailed Construction Specifications	25 C.Y.	\$_____/C.Y.	\$_____
5.	<b>Deformed Steel Bars – Epoxy Coated</b> in accordance with Section 130.0 of the Detailed Construction Specifications	2,900 LBS.	\$_____/LB.	\$_____
6.	<b>Structural Steel</b> in accordance with Section 135.0 of the Detailed Construction Specifications	1,400 LBS.	\$_____/LB.	\$_____
7.	<b>Stone Masonry Facing</b> in accordance with Section 140.0 of the Detailed Construction Specifications	380 S.F.	\$_____/S.F.	\$_____
8.	<b>Reset Parapet End Stone</b> in accordance with Section 141.0 of the Detailed Construction Specifications	3 EA.	\$_____/EA.	\$_____
9.	<b>Reset Parapet Cap Stone</b> in accordance with Section 142.0 of the Detailed Construction Specifications	60 L.F.	\$_____/L.F.	\$_____
10.	<b>Repointed Masonry</b> in accordance with Section 160.0 of the Detailed Construction Specifications	10 S.Y.	\$_____/S.Y.	\$_____
11.	<b>Metal Beam Rail (Type R-B 350) (Weathering Steel)</b> in accordance with Section 230.0 of the Detailed Construction Specifications	490 L.F.	\$_____/L.F.	\$_____

**NAUBUC AVENUE BRIDGE REHABILITATION  
 BID PROPOSAL**

**BID #GL-2012-17**

ITEM NO.	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
12.	<b>R-B End Anchorage Type 1 (Weathering Steel)</b> in accordance with Section 235.0 of the Detailed Construction Specifications	3 Each	\$/EA.	\$
13.	<b>R-B 350 Bridge Attachment Vertical Shaped Parapet (Weathering Steel)</b> in accordance with Section 240.0 of the Detailed Construction Specifications	4 Each	\$/EA.	\$
14.	<b>Removal of Existing Masonry</b> in accordance with Section 290.0 of the Detailed Construction Specifications	Lump Sum	\$/L.S.	\$
15.	<b>Debris Shields</b> in accordance with Section 295.0 of the Detailed Construction Specifications	Lump Sum	\$/L.S.	\$

**TOTAL BID AMOUNT:** \$ \_\_\_\_\_

**WRITTEN BID AMOUNT:** \_\_\_\_\_  
 \_\_\_\_\_

**OTHER ITEMS REQUIRED WITH SUBMISSION OF BID PROPOSAL:**

The following bid checklist describes items required for inclusion with the above-referenced bid proposal package. It is provided for the convenience of the bidders and, therefore, should not be assumed to be a complete list.

- \_\_\_\_\_ 1. Included Bid Bond as per Section 10 of the Information for Bidders.
- \_\_\_\_\_ 2. Included Disclosure of Past and Pending Mediation, Arbitration, and Litigation cases against the Bidder or its Principals as per Section 17 of the Information for Bidders.
- \_\_\_\_\_ 3. Included Qualifications Statement as per Section 21 of the Information for Bidders.
- \_\_\_\_\_ 4. Checked Town web site for Addendums and acknowledged Addendums on page BP-1.
- \_\_\_\_\_ 5. Acknowledged Code of Ethics on page BP-4.
- \_\_\_\_\_ 6. Clearly marked envelope with Bid Number, Date, and Time of opening.

**NAUBUC AVENUE BRIDGE REHABILITATION  
BID PROPOSAL**

**BID #GL-2012-17**

**TOWN OF GLASTONBURY  
BID / PROPOSAL**

**DATE ADVERTISED**

**6/22/2012**

**GL #**

**2012-17**

**DATE / TIME DUE**

**7/17/2012 at  
11:00 A.M.**

**NAME OF PROJECT**

**Naubuc Avenue Bridge Rehabilitation**

It is the responsibility of the Bidder to clearly mark the outside of the bid envelope with the Bid Number, Date and Time of Bid Opening, and it also THE RESPONSIBILITY OF THE BIDDER TO CHECK THE TOWN'S WEBSITE BEFORE SUBMITTING BID FOR ADDENDUMS POSTED PRIOR TO BID OPENING.

**CODE OF ETHICS:**

**I/We have reviewed a copy of the Town of Glastonbury's Code of Ethics and agree to submit a Consultant Acknowledgement Form if I/We are selected. Yes \_\_\_\_\_ No \_\_\_\_\_\***

**\*Bidder is advised that effective August 1, 2003, the Town of Glastonbury cannot consider any bid or proposal where the Bidder has not agreed to the above statement.**

**Respectfully submitted:**

\_\_\_\_\_  
**Type or Print Name of Individual**

\_\_\_\_\_  
**Doing Business as (Trade Name)**

\_\_\_\_\_  
**Signature of Individual**

\_\_\_\_\_  
**Street Address**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**City, State, Zip Code**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Telephone Number/Fax Number**

\_\_\_\_\_  
**E-Mail Address**

\_\_\_\_\_  
**SS# or TIN#**

(Seal – If bid is by a Corporation)

Attest

**ATTACHMENT A – PREVAILING WAGE RATE**

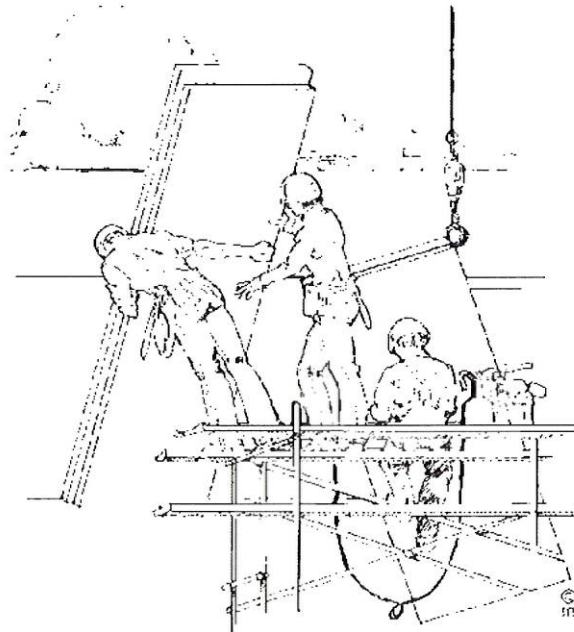
## ~NOTICE~

### TO ALL CONTRACTING AGENCIES

Please be advised that Connecticut General Statutes Section 31-53, requires the contracting agency to certify to the Department of Labor, the total dollar amount of work to be done in connection with such public works project, regardless of whether such project consists of one or more contracts.

Please find the attached “Contracting Agency Certification Form” to be completed and returned to the Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit.

 Inquiries can be directed to (860)263-6543.





CONNECTICUT DEPARTMENT OF LABOR  
WAGE AND WORKPLACE STANDARDS DIVISION  
CONTRACT COMPLIANCE UNIT

*CONTRACTING AGENCY CERTIFICATION FORM*

I, \_\_\_\_\_, acting in my official capacity as \_\_\_\_\_,  
authorized representative title

for \_\_\_\_\_, located at \_\_\_\_\_,  
contracting agency address

do hereby certify that the total dollar amount of work to be done in connection with

\_\_\_\_\_, located at \_\_\_\_\_,  
project name and number address

shall be \$ \_\_\_\_\_, which includes all work, regardless of whether such project  
consists of one or more contracts.

*CONTRACTOR INFORMATION*

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Authorized Representative: \_\_\_\_\_

Approximate Starting Date: \_\_\_\_\_

Approximate Completion Date: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Return To: Connecticut Department of Labor  
Wage & Workplace Standards Division  
Contract Compliance Unit  
200 Folly Brook Blvd.  
Wethersfield, CT 06109

Date Issued: \_\_\_\_\_

# Statute 31-55a

Last Updated: April 22, 2010

You are here: [DOL Web Site](#) » [Wage and Workplace Standards](#) » Statute 31-55a

## - Special Notice -

To All State and Political Subdivisions, Their Agents, and Contractors

**Connecticut General Statute 31-55a - Annual adjustments to wage rates by contractors doing state work.**

*Each contractor that is awarded a contract on or after October 1, 2002, for (1) the construction of a state highway or bridge that falls under the provisions of section 31-54 of the general statutes, or (2) the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public works project that falls under the provisions of section 31-53 of the general statutes shall contact the Labor Commissioner on or before July first of each year, for the duration of such contract, to ascertain the prevailing rate of wages on an hourly basis and the amount of payment or contributions paid or payable on behalf of each mechanic, laborer or worker employed upon the work contracted to be done, and shall make any necessary adjustments to such prevailing rate of wages and such payment or contributions paid or payable on behalf of each such employee, effective each July first.*

- The prevailing wage rates applicable to any contract or subcontract awarded on or after October 1, 2002 are subject to annual adjustments each July 1st for the duration of any project which was originally advertised for bids on or after October 1, 2002.
- Each contractor affected by the above requirement shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.
- It is the **contractor's** responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's Web Site. The annual adjustments will be posted on the Department of Labor Web page: [www.ctdol.state.ct.us](http://www.ctdol.state.ct.us). For those without internet access, please contact the division listed below.
- The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project. All subsequent annual adjustments will be posted on our Web Site for contractor access.

**Any questions should be directed to the Contract Compliance Unit, Wage and Workplace Standards Division, Connecticut Department of Labor, 200 Folly Brook Blvd., Wethersfield, CT 06109 at (860)263-6790.**

←-- [Workplace Laws](#)

Published by the Connecticut Department of Labor, Project Management Office



# **Informational Bulletin**

## **THE 10-HOUR OSHA CONSTRUCTION SAFETY AND HEALTH COURSE**

(applicable to public building contracts entered into *on or after July 1, 2007*, where the total cost of all work to be performed is at least \$100,000)

- (1) This requirement was created by Public Act No. 06-175, which is codified in Section 31-53b of the Connecticut General Statutes (pertaining to the prevailing wage statutes);
- (2) The course is required for public building construction contracts (projects funded in whole or in part by the state or any political subdivision of the state) entered into on or after July 1, 2007;
- (3) It is required of private employees (not state or municipal employees) and apprentices who perform manual labor for a general contractor or subcontractor on a public building project where the total cost of all work to be performed is at least \$100,000;
- (4) The ten-hour construction course pertains to the ten-hour Outreach Course conducted in accordance with federal OSHA Training Institute standards, and, for telecommunications workers, a ten-hour training course conducted in accordance with federal OSHA standard, 29 CFR 1910.268;
- (5) The internet website for the federal OSHA Training Institute is [http://www.osha.gov/fso/ote/training/edcenters/fact\\_sheet.html](http://www.osha.gov/fso/ote/training/edcenters/fact_sheet.html);
- (6) The statutory language leaves it to the contractor and its employees to determine who pays for the cost of the ten-hour Outreach Course;
- (7) Within 30 days of receiving a contract award, a general contractor must furnish proof to the Labor Commissioner that all employees and apprentices performing manual labor on the project will have completed such a course;
- (8) Proof of completion may be demonstrated through either: (a) the presentation of a *bona fide* student course completion card issued by the federal OSHA Training Institute; *or* (2) the presentation of documentation provided to an employee by a trainer certified by the Institute pending the actual issuance of the completion card;
- (9) Any card with an issuance date more than 5 years prior to the commencement date of the construction project shall not constitute proof of compliance;

- (10) Each employer shall affix a copy of the construction safety course completion card to the certified payroll submitted to the contracting agency in accordance with Conn. Gen. Stat. § 31-53(f) on which such employee's name first appears;
- (11) Any employee found to be in non-compliance shall be subject to removal from the worksite if such employee does not provide satisfactory proof of course completion to the Labor Commissioner by the fifteenth day after the date the employee is determined to be in noncompliance;
- (12) Any such employee who is determined to be in noncompliance may continue to work on a public building construction project for a maximum of fourteen consecutive calendar days while bringing his or her status into compliance;
- (13) The Labor Commissioner may make complaint to the prosecuting authorities regarding any employer or agent of the employer, or officer or agent of the corporation who files a false certified payroll with respect to the status of an employee who is performing manual labor on a public building construction project;
- (14) The statute provides the minimum standards required for the completion of a safety course by manual laborers on public construction contracts; any contractor can exceed these minimum requirements; and
- (15) Regulations clarifying the statute are currently in the regulatory process, and shall be posted on the CTDOL website as soon as they are adopted in final form.
- (16) Any questions regarding this statute may be directed to the Wage and Workplace Standards Division of the Connecticut Labor Department via the internet website of <http://www.ctdol.state.ct.us/wgwkstnd/wgemenu.htm>; or by telephone at (860)263-6790.

**THE ABOVE INFORMATION IS PROVIDED EXCLUSIVELY AS AN EDUCATIONAL RESOURCE, AND IS NOT INTENDED AS A SUBSTITUTE FOR LEGAL INTERPRETATIONS WHICH MAY ULTIMATELY ARISE CONCERNING THE CONSTRUCTION OF THE STATUTE OR THE REGULATIONS.**

**Sec. 31-53b. Construction safety and health course. New miner training program. Proof of completion required for mechanics, laborers and workers on public works projects. Enforcement. Regulations. Exceptions.**

(a) Each contract for a public works project entered into on or after July 1, 2009, by the state or any of its agents, or by any political subdivision of the state or any of its agents, described in subsection (g) of section 31-53, shall contain a provision requiring that each contractor furnish proof with the weekly certified payroll form for the first week each employee begins work on such project that any person performing the work of a mechanic, laborer or worker pursuant to the classifications of labor under section 31-53 on such public works project, pursuant to such contract, has completed a course of at least ten hours in duration in construction safety and health approved by the federal Occupational Safety and Health Administration or, has completed a new miner training program approved by the Federal Mine Safety and Health Administration in accordance with 30 CFR 48 or, in the case of telecommunications employees, has completed at least ten hours of training in accordance with 29 CFR 1910.268.

(b) Any person required to complete a course or program under subsection (a) of this section who has not completed the course or program shall be subject to removal from the worksite if the person does not provide documentation of having completed such course or program by the fifteenth day after the date the person is found to be in noncompliance. The Labor Commissioner or said commissioner's designee shall enforce this section.

(c) Not later than January 1, 2009, the Labor Commissioner shall adopt regulations, in accordance with the provisions of chapter 54, to implement the provisions of subsections (a) and (b) of this section. Such regulations shall require that the ten-hour construction safety and health courses required under subsection (a) of this section be conducted in accordance with federal Occupational Safety and Health Administration Training Institute standards, or in accordance with Federal Mine Safety and Health Administration Standards or in accordance with 29 CFR 1910.268, as appropriate. The Labor Commissioner shall accept as sufficient proof of compliance with the provisions of subsection (a) or (b) of this section a student course completion card issued by the federal Occupational Safety and Health Administration Training Institute, or such other proof of compliance said commissioner deems appropriate, dated no earlier than five years before the commencement date of such public works project.

(d) This section shall not apply to employees of public service companies, as defined in section 16-1, or drivers of commercial motor vehicles driving the vehicle on the public works project and delivering or picking up cargo from public works projects provided they perform no labor relating to the project other than the loading and unloading of their cargo.

(P.A. 06-175, S. 1; P.A. 08-83, S. 1.)

History: P.A. 08-83 amended Subsec. (a) by making provisions applicable to public works project contracts entered into on or after July 1, 2009, replacing provision re total cost of work with reference to Sec. 31-53(g), requiring proof in certified payroll form that new mechanic, laborer or worker has completed a 10-hour or more construction safety course and adding provision re new miner training program, amended Subsec. (b) by substituting "person" for "employee" and adding "or program", amended Subsec. (c) by adding "or in accordance with Federal Mine

Safety and Health Administration Standards" and setting new deadline of January 1, 2009, deleted former Subsec. (d) re "public building", added new Subsec. (d) re exemptions for public service company employees and delivery drivers who perform no labor other than delivery and made conforming and technical changes, effective January 1, 2009.

November 29, 2006

**Notice**  
**To All Mason Contractors and Interested Parties**  
**Regarding Construction Pursuant to Section 31-53 of the**  
**Connecticut General Statutes (Prevailing Wage)**

The Connecticut Labor Department Wage and Workplace Standards Division is empowered to enforce the prevailing wage rates on projects covered by the above referenced statute.

Over the past few years the Division has withheld enforcement of the rate in effect for workers who operate a forklift on a prevailing wage rate project due to a potential jurisdictional dispute.

The rate listed in the schedules and in our Occupational Bulletin (see enclosed) has been as follows:

**Forklift Operator:**

- **Laborers (Group 4) Mason Tenders** - operates forklift solely to assist a mason to a maximum height of nine feet only.
- **Power Equipment Operator (Group 9)** - operates forklift to assist any trade and to assist a mason to a height over nine feet.

The U.S. Labor Department conducted a survey of rates in Connecticut but it has not been published and the rate in effect remains as outlined in the above Occupational Bulletin.

*Since this is a classification matter and not one of jurisdiction, effective January 1, 2007 the Connecticut Labor Department will enforce the rate on each schedule in accordance with our statutory authority.*

Your cooperation in filing appropriate and accurate certified payrolls is appreciated.



**CONNECTICUT DEPARTMENT OF LABOR**  
**Wage and Workplace Standards Division**

**FOOTNOTES**

Please Note: If the “Benefits” listed on the schedule for the following occupations includes a letter(s) (+ a or + a+b for instance), refer to the information below.

Benefits to be paid at the appropriate prevailing wage rate for the listed occupation.

If the “Benefits” section for the occupation lists only a dollar amount, disregard the information below.

**Bricklayers, Cement Masons, Cement Finishers, Plasters, Stone Masons**  
(Building Construction)  
(Residential- Hartford, Middlesex, New Haven, New London and Tolland Counties)

- a. Paid Holiday: Employees shall receive 4 hours for Christmas Eve holiday provided the employee works the regularly scheduled day before and after the holiday. Employers may schedule work on Christmas Eve and employees shall receive pay for actual hours worked in addition to holiday pay.

**Bricklayer (Residential- Fairfield County)**

- a. Paid Holiday: If an employee works on Christmas Eve until noon he shall be paid for 8 hours.

**Electricians**

Fairfield County: West of the Five Mile River in Norwalk

- a. \$2.00 per hour not to exceed \$14.00 per day.

**Elevator Constructors: Mechanics**

- a. Paid Holidays: New Year’s Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, plus the Friday after Thanksgiving.
- b. Vacation: Employer contributes 8% of basic hourly rate for 5 years or more of service or 6% of basic hourly rate for 6 months to 5 years of service as vacation pay credit.

### **Glaziers**

- a. Paid Holidays: Labor Day and Christmas Day.

### **Power Equipment Operators**

(Heavy and Highway Construction & Building Construction)

- a. Paid Holidays: New Year's Day, Good Friday, Memorial day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, provided the employee works 3 days during the week in which the holiday falls, if scheduled, and if scheduled, the working day before and the working day after the holiday. Holidays falling on Saturday may be observed on Saturday, or if the employer so elects, on the preceding Friday.

### **Ironworkers**

- a. Paid Holiday: Labor Day provided employee has been on the payroll for the 5 consecutive workdays prior to Labor Day.

### **Laborers (Tunnel Construction)**

- a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. No employee shall be eligible for holiday pay when he fails, without cause, to work the regular workday preceding the holiday or the regular workday following the holiday.

### **Roofers**

- a. Paid Holidays: July 4<sup>th</sup>, Labor Day, and Christmas Day provided the employee is employed 15 days prior to the holiday.

### **Sprinkler Fitters**

- a. Paid Holidays: Memorial Day, July 4th, Labor Day, Thanksgiving Day and Christmas Day, provided the employee has been in the employment of a contractor 20 working days prior to any such paid holiday.

### **Truck Drivers**

(Heavy and Highway Construction & Building Construction)

- a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas day, and Good Friday, provided the employee has at least 31 calendar days of service and works the last scheduled day before and the first scheduled day after the holiday, unless excused.

# Information Bulletin

## *Occupational Classifications*

The Connecticut Department of Labor has the responsibility to properly determine "job classification" on prevailing wage projects covered under C.G.S. Section 31-53.

*♪ Note: This information is intended to provide a sample of some occupational classifications for guidance purposes only. It is not an all-inclusive list of each occupation's duties. This list is being provided only to highlight some areas where a contractor may be unclear regarding the proper classification.*

**Below are additional clarifications of specific job duties performed for certain classifications:**

### **Asbestos Insulator**

- Handle, install, apply, fabricate, distribute, prepare, alter, repair, or dismantle heat and frost insulation, including penetration and fire stopping work on all penetration fire stop systems.

### **Carpenter**

- Assembly and installation of modular furniture/furniture systems.  
[New] a. Free-standing furniture is not covered. This includes: student chairs, study top desks, book box desks, computer furniture, dictionary stand, atlas stand, wood shelving, two- position information access station, file cabinets, storage cabinets, tables, etc.
- Applies fire stopping materials on fire resistive joint systems only.
- Installation of insulated material of all types whether blown, nailed or attached in other ways to walls, ceilings and floors of buildings.
- Installation of curtain/window walls only where attached to wood or metal studs.

### **Cleaning Laborer**

- The clean up of any construction debris and the general cleaning, including sweeping, wash down, mopping, wiping of the construction facility, washing, polishing, dusting, etc., prior to the issuance of a certificate of occupancy falls under the *Labor classification*.

### **Delivery Personnel (Revised)**

- If delivery of supplies/building materials is to one common point and stockpiled there, prevailing wages are not required. If the delivery personnel are involved in the distribution of the material to multiple locations within the construction site then they would have to be paid prevailing wages for the type of work performed: laborer, equipment operator, electrician, ironworker, plumber, etc.
- An example of this would be where delivery of drywall is made to a building and the delivery personnel distribute the drywall from one "stockpile" location to further sub-locations on each floor. Distribution of material around a construction site is the job of a laborer/tradesman and not a delivery personnel.

### **Electrician**

- Installation or maintenance of telecommunication, LAN wiring or computer equipment.
- Low voltage wiring.

### **Fork Lift Operator**

- Laborers Group 4) Mason Tenders - operates forklift solely to assist a mason to a maximum height of nine (9) feet only.
- Power Equipment Operator Group 9 - operates forklift to assist any trade, and to assist a mason to a height over nine (9) feet.

### **Glaziers**

- Installs light metal sash, head sills, and 2-story aluminum storefronts.
- Installation of aluminum window walls and curtain walls is the "joint work" of the Glaziers and Ironworkers classification which requires either a blended rate or equal composite workforce.

### **Ironworkers**

- Handling, sorting, and installation of reinforcing steel (rebar).
- Installation of aluminum window walls and curtain walls is the "joint work" of the Glaziers and Ironworkers classification which requires either a blended rate or equal composite workforce. Insulated metal and insulated composite panels are still installed by the Ironworker.
- Metal bridge rail (traffic), metal bridge handrail, and decorative security fence installation.

## **Insulator**

- Installing fire stopping systems/materials for "Penetration Firestop Systems": transit to cables, electrical conduits, insulated pipes, sprinkler pipe penetrations, ductwork behind radiation, electrical cable trays, fire rated pipe penetrations, natural polypropylene, HVAC ducts, plumbing bare metal, telephone and communication wires, and boiler room ceilings. Past practice using the applicable licensed trades, Plumber, Sheet Metal, Sprinkler Fitter, and Electrician, is not inconsistent with the Insulator classification and would be permitted.

## **Lead Paint Removal**

- Painter Rate
  1. Removal of lead paint from bridges.
  2. Removal of lead paint as preparation of any surface to be repainted.
  3. Where removal is on a Demolition project prior to reconstruction.
- Laborer Rate
  1. Removal of lead paint from any surface NOT to be repainted.
  2. Where removal is on a *TOTAL* Demolition project only.

## **Roofers**


- Preparation of surface, tear-off and/or removal of any type of roofing, and/or clean-up of any areas where a roof is to be relaid.

## **Sheet Metal Worker**

- Fabrication, handling, assembling, erecting, altering, repairing, etc. of coated metal material panels and composite metal material panels when used on building exteriors and interiors as soffits, fascia, louvers, partitions, wall panel siding, canopies, cornice, column covers, awnings, beam covers, cladding, sun shades, lighting troughs, spires, ornamental roofing, metal ceilings, mansards, copings, ornamental and ventilation hoods, vertical and horizontal siding panels, trim, etc. The sheet metal classification also applies to the vast variety of coated metal material panels and composite metal material panels that have evolved over the years as an alternative to conventional ferrous and non-ferrous metals like steel, iron, tin, copper, brass, bronze, aluminum, etc. Insulated metal and insulated composite panels are still installed by the Iron Worker. Fabrication, handling, assembling, erecting, altering, repairing, etc. of architectural metal roof, standing seam roof, composite metal roof, metal and composite bathroom/toilet partitions, aluminum gutters, metal and composite lockers and shelving, kitchen equipment, and walk-in coolers.

## Truck Drivers

- Truck Drivers delivering asphalt are covered under prevailing wage while on the site and directly involved in the paving operation.
- Material men and deliverymen are not covered under prevailing wage as long as they are not directly involved in the construction process. If, they unload the material, they would then be covered by prevailing wage for the classification they are performing work in: laborer, equipment operator, etc.
- Hauling material off site is not covered provided they are not dumping it at a location outlined above.
- Driving a truck on site and moving equipment or materials on site would be considered covered work, as this is part of the construction process.

 Any questions regarding the proper classification should be directed to the Contract Compliance Unit, Wage and Workplace Standards Division, Connecticut Department of Labor, 200 Folly Brook Blvd, Wethersfield, CT 06 109 at (860) 263-6543.

Project: Naubuc Avenue Bridge Rehabilitation

**Minimum Rates and Classifications  
for Heavy/Highway Construction**

**Connecticut Department of Labor  
Wage and Workplace Standards Division**

**ID#: H 16643**

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number: PW-9607, GL-2012-17

Project Town Glastonbury

FAP Number:

State Number:

Project: Naubuc Avenue Bridge Rehabilitation

**CLASSIFICATION**

**Hourly Rate**

**Benefits**

01) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters. **\*\*See Laborers Group 5 and 7\*\***

1) Boilermaker 33.79 34% + 8.96

1a) Bricklayer, Cement Masons, Cement Finishers, Plasterers, Stone Masons 32.50 24.55

2) Carpenters, Piledrivermen 29.65 21.00

2a) Diver Tenders 29.65 21.00

**As of:** Thursday, June 14, 2012

Project: Naubuc Avenue Bridge Rehabilitation

3) Divers	38.11	21.00
4) Painters: (Bridge Construction) Brush, Roller, Blasting (Sand, Water, etc.), Spray	41.35	16.35
4a) Painters: Brush and Roller	30.22	16.90
4b) Painters: Spray Only	33.22	16.90
4c) Painters: Steel Only	30.47	15.40
4d) Painters: Blast and Spray	33.22	16.90
4e) Painters: Tanks, Tower and Swing	32.22	16.90
5) Electrician (Trade License required: E-1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	36.40	21.31



Project: Naubuc Avenue Bridge Rehabilitation

6) Ironworkers: (Ornamental, Reinforcing, Structural, and Precast Concrete Erection)	33.50	27.98 + a
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7) Plumbers (Trade License required: (P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2) and Pipefitters (Including HVAC Work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4 G-1, G-2, G-8, G-9)	38.67	24.46
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----LABORERS---- - Last updated 4/11/12

8) Group 1: Laborer (Unskilled), Common or General, acetylene burner, concrete specialist	25.80	16.45
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9) Group 2: Chain saw operators, fence and guard rail erectors, pneumatic tool operators, powdermen, air tool operator	26.05	16.45
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10) Group 3: Pipelayers (Installation of water, storm drainage or sewage lines outside of the building line with P6, P7 license)	26.30	16.45
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11) Group 4: Jackhammer/Pavement breaker (handheld); mason tenders (cement/concrete), catch basin builders, asphalt rakers, air track operators, block pavers and curb setters	26.30	16.45
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12) Group 5: Toxic waste removal (non-mechanical systems)	27.80	16.45
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Project: Naubuc Avenue Bridge Rehabilitation

13) Group 6: Blasters	27.55	16.45
Group 7: Asbestos Removal, non-mechanical systems (does not include leaded joint pipe)	26.80	16.45
Group 8: Traffic control signalmen	16.00	16.45
----LABORERS (TUNNEL CONSTRUCTION, FREE AIR). Shield Drive and Liner Plate Tunnels in Free Air.---- Last updated 4/11/12----		
13a) Miners, Motormen, Mucking Machine Operators, Nozzle Men, Grout Men, Shaft & Tunnel Steel & Rodmen, Shield & Erector, Arm Operator, Cable Tenders	31.28	16.45 + a
13b) Brakemen, Trackmen	30.37	16.45 + a
----CLEANING, CONCRETE AND CAULKING TUNNEL----Last updated 4/11/12----		
14) Concrete Workers, Form Movers, and Strippers	30.37	16.45 + a

Project: Naubuc Avenue Bridge Rehabilitation

15) Form Erectors	30.68	16.45 + a
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----ROCK SHAFT LINING, CONCRETE, LINING OF SAME AND  
TUNNEL IN FREE AIR:----Last updated 4/11/12----

16) Brakemen, Trackmen, Tunnel Laborers, Shaft Laborers	30.37	16.45 + a
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17) Laborers Topside, Cage Tenders, Bellman	30.26	16.45 + a
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18) Miners	31.28	16.45 + a
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----TUNNELS, CAISSON AND CYLINDER WORK IN COMPRESSED  
AIR: ----Last updated 4/11/12----

18a) Blaster	37.41	16.45 + a
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19) Brakemen, Trackmen, Groutman, Laborers, Outside Lock Tender, Gauge Tenders	37.22	16.45 + a
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*As of:*

Thursday, June 14, 2012

Project: Naubuc Avenue Bridge Rehabilitation

20) Change House Attendants, Powder Watchmen, Top on Iron Bolts	35.35	16.45 + a
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21) Mucking Machine Operator	37.97	16.45 + a
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----TRUCK DRIVERS----(\*see note below)

Two axle trucks	27.88	17.22 + a
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Three axle trucks; two axle ready mix	27.98	17.22 + a
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Three axle ready mix	28.03	17.22 + a
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Four axle trucks, heavy duty trailer (up to 40 tons)	28.08	17.22 + a
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Four axle ready-mix	28.13	17.22 + a
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*As of:*

Thursday, June 14, 2012

Project: Naubuc Avenue Bridge Rehabilitation

Heavy duty trailer (40 tons and over)	28.33	17.22 + a
Specialized earth moving equipment other than conventional type on-the road trucks and semi-trailer (including Euclids)	28.13	17.22 + a

----POWER EQUIPMENT OPERATORS----

Group 1: Crane handling or erecting structural steel or stone, hoisting engineer (2 drums or over), front end loader (7 cubic yards or over), Work Boat 26 ft. & Over. (Trade License Required)	35.50	20.50 + a
Group 2: Cranes (100 ton rate capacity and over); Backhoe/Excavator over 2 cubic yards; Piledriver (\$3.00 premium when operator controls hammer). (Trade License Required)	35.18	20.50 + a
Group 3: Excavator/Backhoe under 2 cubic yards; Cranes (under 100 ton rated capacity), Gradall; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar); Grader Operator; Bulldozer Fine Grade (slopes, shaping, laser or GPS, etc.). (Trade License Required)	34.44	20.50 + a
Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skooper)	34.05	20.50 + a
Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Spreader; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" Mandrell)	33.46	20.50 + a

Project: Naubuc Avenue Bridge Rehabilitation

Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller.	33.46	20.50 + a
Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	33.15	20.50 + a
Group 7: Asphalt Roller; Concrete Saws and Cutters (ride on types); Vermeer Concrete Cutter; Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and Under Mandrel).	32.81	20.50 + a
Group 8: Mechanic, Grease Truck Operator, Hydroblaster, Barrier Mover, Power Stone Spreader; Welder; Work Boat under 26 ft.; Transfer Machine.	32.41	20.50 + a
Group 9: Front End Loader (under 3 cubic yards), Skid Steer Loader regardless of attachments (Bobcat or Similar); Fork Lift, Power Chipper; Landscape Equipment (including hydroseeder).	31.98	20.50 + a
Group 10: Vibratory Hammer, Ice Machine, Diesel and Air Hammer, etc.	29.94	20.50 + a
Group 11: Conveyor, Earth Roller; Power Pavement Breaker (whiphammer), Robot Demolition Equipment.	29.94	20.50 + a
Group 12: Wellpoint Operator.	29.88	20.50 + a

Project: Naubuc Avenue Bridge Rehabilitation

Group 13: Compressor Battery Operator.	29.30	20.50 + a
Group 14: Elevator Operator; Tow Motor Operator (Solid Tire No Rough Terrain).	28.16	20.50 + a
Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	27.75	20.50 + a
Group 16: Maintenance Engineer/Oiler	27.10	20.50 + a
Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator.	31.41	20.50 + a
Group 18: Power Safety Boat; Vacuum Truck; Zim Mixer; Sweeper; (minimum for any job requiring CDL license).	28.99	20.50 + a

\*\*NOTE: SEE BELOW

----LINE CONSTRUCTION----(Railroad Construction and Maintenance)----Last updated 9/3/2010----

Project: Naubuc Avenue Bridge Rehabilitation

20) Lineman, Cable Splicer, Dynamite Man	44.36	3% + 13.70
21) Heavy Equipment Operator	39.92	3% + 13.70
22) Equipment Operator, Tractor Trailer Driver, Material Men	37.71	3% + 13.70
23) Driver Groundmen	33.27	3% + 13.70
----LINE CONSTRUCTION----Last updated 4/17/09----		
24) Driver Groundmen	30.92	6.5% + 9.70
25) Groundmen	22.67	6.5% + 6.20
26) Heavy Equipment Operators	37.10	6.5% + 10.70



Project: Naubuc Avenue Bridge Rehabilitation

27) Linemen, Cable Splicers, Dynamite Men	41.22	6.5% + 12.20
---	-------	--------------

28) Material Men, Tractor Trailer Drivers, Equipment Operators	35.04	6.5% + 10.45
--	-------	--------------

*As of:*

Thursday, June 14, 2012

Project: Naubuc Avenue Bridge Rehabilitation

*Welders: Rate for craft to which welding is incidental.*

*\*Note: Hazardous waste removal work receives additional \$1.25 per hour for truck drivers.*

*\*\*Note: Hazardous waste premium \$3.00 per hour over classified rate*

- Crane with 150 ft. boom (including jib) - \$1.50 extra
- Crane with 200 ft. boom (including jib) - \$2.50 extra
- Crane with 250 ft. boom (including jib) - \$5.00 extra
- Crane with 300 ft. boom (including jib) - \$7.00 extra
- Crane with 400 ft. boom (including jib) - \$10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyman instructing and supervising the work of each apprentice in a specific trade.

*~~Connecticut General Statute Section 31-55a: Annual Adjustments to wage rates by contractors doing state work ~~*

*The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.*

*Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.*

*It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.*

*The annual adjustments will be posted on the Department of Labor's Web page: [www.ct.gov/dol](http://www.ct.gov/dol).*

*The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.*

*All subsequent annual adjustments will be posted on our Web Site for contractor access.*

**As of:**

Thursday, June 14, 2012

Project: Naubuc Avenue Bridge Rehabilitation

*Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage*

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

**~~Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).**

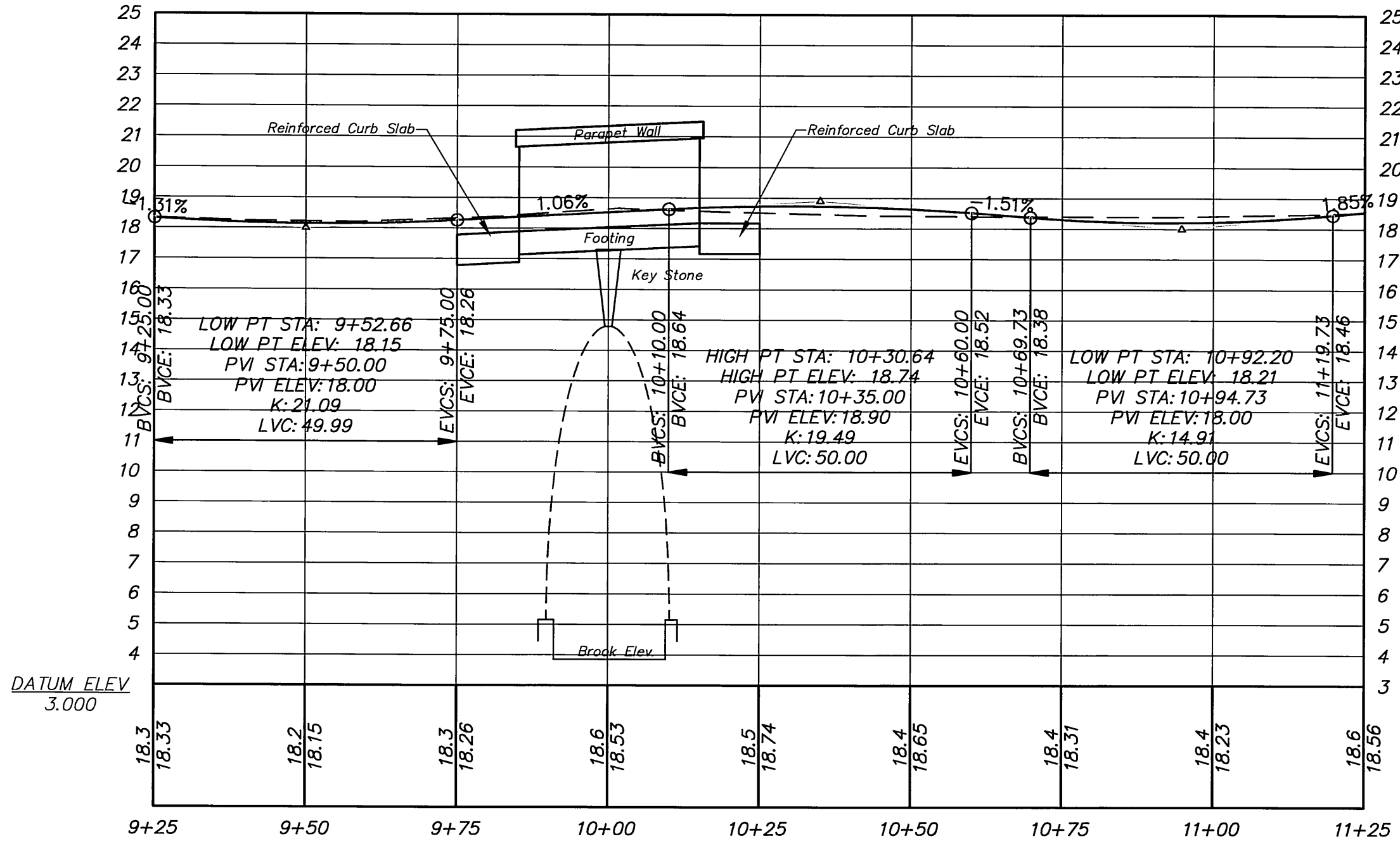
Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

*As of:*

Thursday, June 14, 2012

**ATTACHMENT B - CONSTRUCTION PLANS**

FILE:H:\DWG\Streets\Naubuc Ave\Naubuc Ave Bridge.dwg USER:Steven Troy DATE:4/7/2012



PROFILE SCALE:  
Horizontal 1"=20'  
Vertical 1"=4'

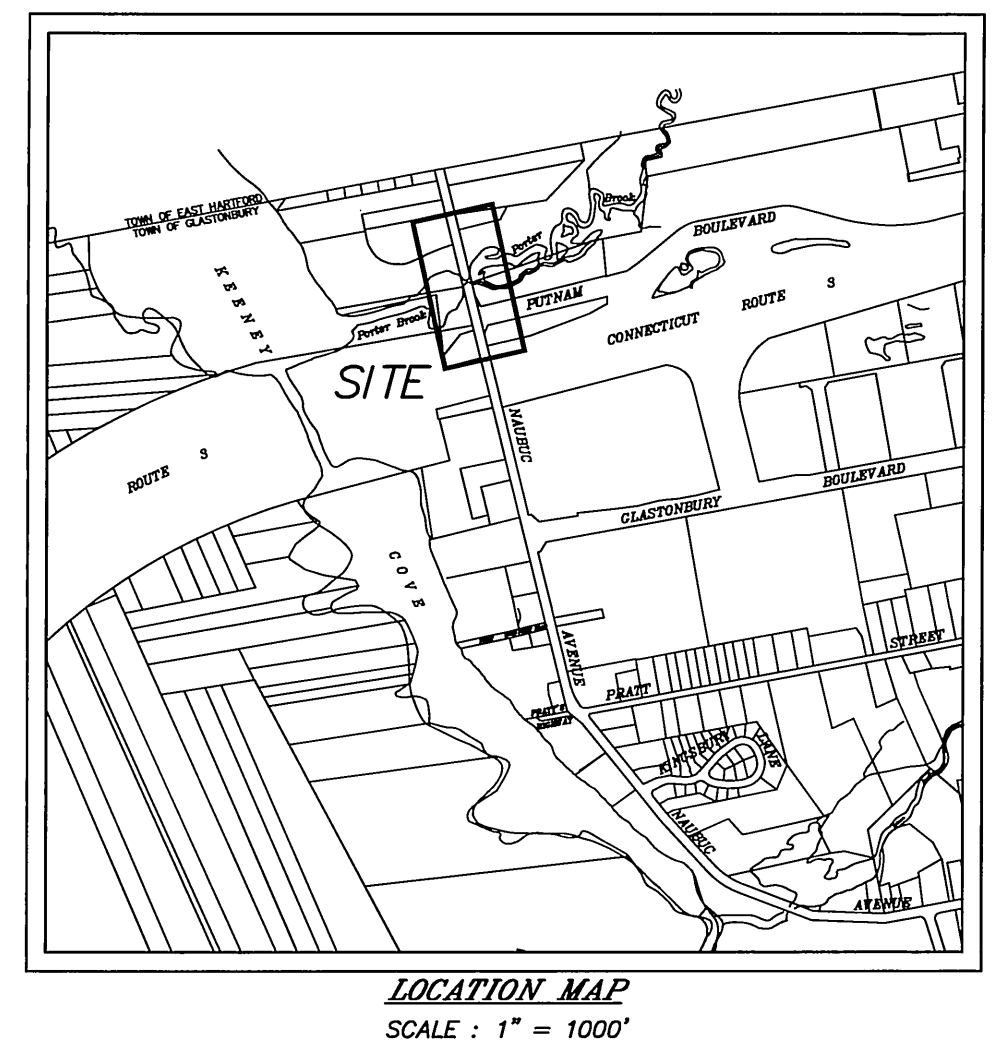
**PROJECT NARRATIVE:**  
THIS PROJECT INVOLVES THE INSTALLATION OF APPROXIMATELY 100 LINEAR FEET OF CONCRETE BLOCK RETAINING WALL... ALSO INCLUDED IS THE REPLACEMENT OF THE BRIDGE PARAPET AND GUARDRAIL TO MEET CURRENT SAFETY STANDARDS...

**PROJECT SPECIFIC SEDIMENTATION AND EROSION CONTROL PLAN**  
CONSTRUCTION ACTIVITIES OF CONCERN RELATIVE TO THE PROTECTION OF ADJACENT WETLANDS AND WATERCOURSES FROM SEDIMENTATION ARE AS FOLLOWS:

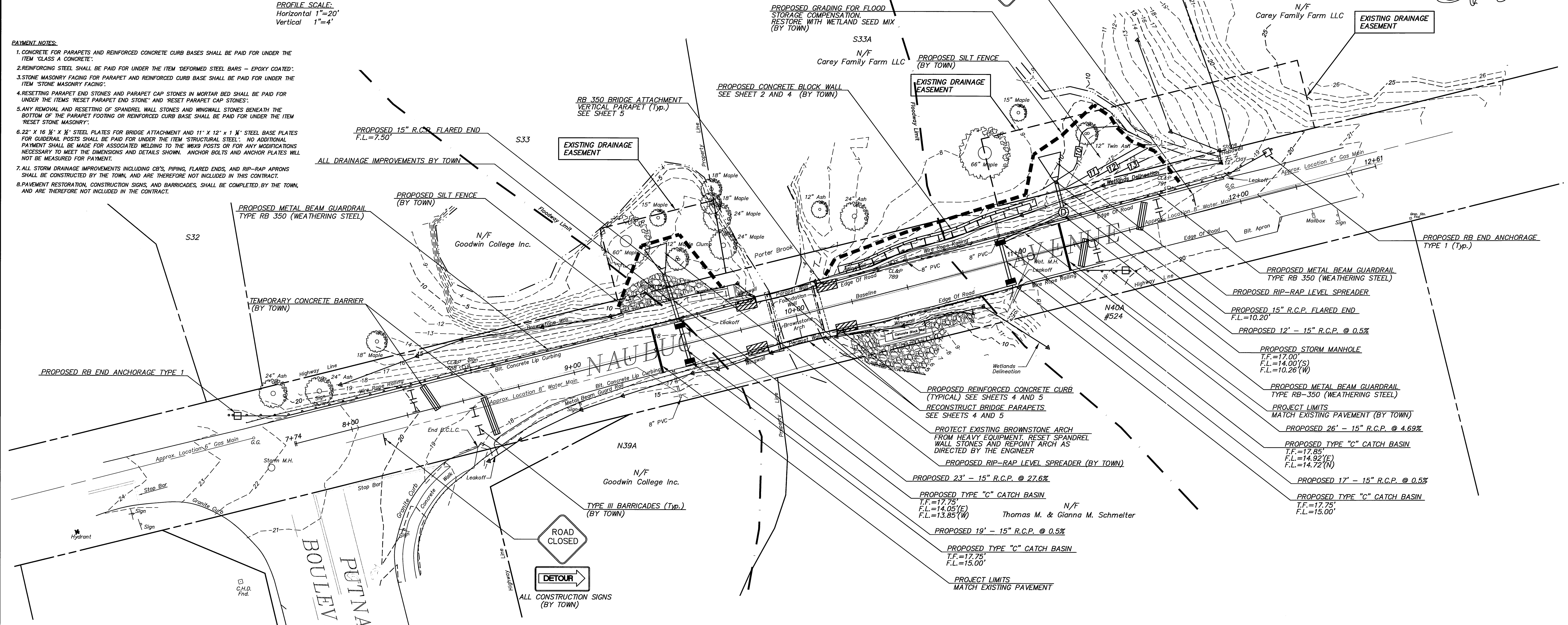
1. DEWATERING: OPEN TRENCH EXCAVATIONS WILL NEED TO BE DEWATERED AS NECESSARY FOR PROPER INSTALLATION OF THE PROPOSED IMPROVEMENTS...
2. STOCKPILING: EXCAVATED MATERIAL SHALL NOT BE STOCKPILED ADJACENT TO STORM DRAIN INLETS, WETLANDS, OR WATERCOURSES...
3. DISTURBED AREAS: LIMITS OF DISTURBANCE SHALL BE IN STRICT ACCORDANCE WITH THE APPROVED PLAN...
4. SEVERE WEATHER CONTINGENCY PLAN: IN ADVANCE OF A SEVERE WEATHER EVENT, ALL EROSION CONTROLS DESCRIBED ABOVE AND ELSEWHERE ON THE PLANS SHALL BE INSPECTED AND ADJUSTED AS NECESSARY.
5. 100 YEAR FLOOD ELEVATION FOR PORTER BROOK IS 28.00, WHICH IS BEYOND THE LIMITS SHOWN ON THIS PLAN...

**RESPONSIBLE PARTIES:**  
THE DEPARTMENT OF PHYSICAL SERVICES SHALL PROVIDE A REPRESENTATIVE WHO IS RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENTATION CONTROL PLAN...

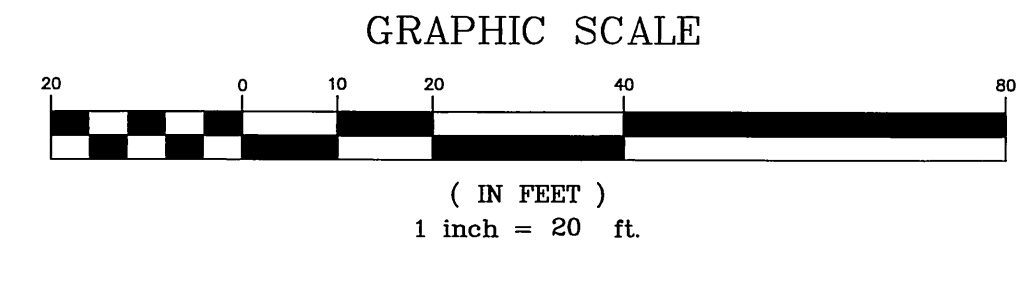
- CONSTRUCTION SEQUENCE:**
- 1) INSTALL SEDIMENTATION AND EROSION CONTROLS, PRECAST CONCRETE BARRIERS, TYPE III BARRICADES, ROAD CLOSURE SIGNS, AND DETOUR SIGNS. (TOWN)
  - 2) CONSTRUCT PRECAST CONCRETE BLOCK RETAINING WALL. (TOWN)
  - 3) INSTALL DRAINAGE STRUCTURES AND STORM DRAIN PIPES. REGRADE FLOOD COMPENSATION AREA AS SHOWN ON THE PLANS AND RESTORE WITH WETLAND SEED MIX. (TOWN)
  - 4) REMOVE EXISTING BRIDGE PARAPETS USING APPROVED METHODS AS DESCRIBED IN THE SPECIFICATIONS, CLEAN AND STOCKPILE STONE MASONRY FOR RE-USE. (CONTRACTOR)
  - 5) EXCAVATE TO EXPOSE TOP OF STONE ARCH / SPANDREL WALL AND PREPARE SUBGRADE FOR PARAPET AND REINFORCED CONCRETE CURB FOOTINGS. RESET SPANDREL WALL STONES AS NECESSARY. PROTECT EXISTING ARCH FROM HEAVY EQUIPMENT. (CONTRACTOR)
  - 6) FORM AND POUR CONCRETE FOOTINGS FOR PARAPET AND REINFORCED CURB, PROVIDE STAINLESS STEEL MASONRY ANCHORS FOR CEMENT RUBBLE MASONRY FACING. FORM AND POUR UPPER SECTIONS OF PARAPET AND REINFORCED CURB WITH CEMENT RUBBLE MASONRY FACING AS SHOWN ON THE PLANS. INSTALL C&P STONES WITH MORTAR BEDDING. (CONTRACTOR)
  - 7) REPOINT DETERIORATED PORTIONS OF THE ARCH AS DIRECTED BY THE ENGINEER. (CONTRACTOR)
  - 8) BACKFILL EXCAVATION WITH PROCESSED STONE BASE UP TO PAVEMENT BASE ELEVATION. (CONTRACTOR)
  - 9) SAWCUT AT LIMITS OF PAVEMENT DISTURBANCE AND REPLACE BITUMINOUS PAVEMENT WITHIN THE PROJECT LIMITS. (TOWN)
  - 10) TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS. (TOWN)
  - 11) INSTALL METAL BEAM GUARD RAIL AND END ANCHORAGES. (CONTRACTOR)
  - 12) REMOVE SIGNS AND BARRICADES, OPEN THE ROAD TO TRAFFIC. (TOWN)



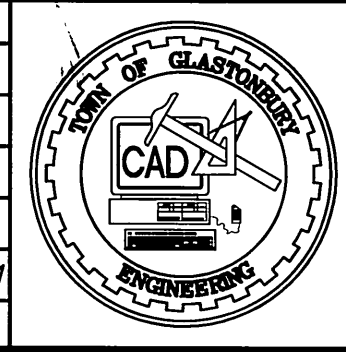
- PAYMENT NOTES:**
1. CONCRETE FOR PARAPETS AND REINFORCED CONCRETE CURB BASES SHALL BE PAID FOR UNDER THE ITEM "CLASS A CONCRETE".
  2. REINFORCING STEEL SHALL BE PAID FOR UNDER THE ITEM "DEFORMED STEEL BARS - EPOXY COATED".
  3. STONE MASONRY FACING FOR PARAPET AND REINFORCED CURB BASE SHALL BE PAID FOR UNDER THE ITEM "STONE MASONRY FACING".
  4. RESETTING PARAPET END STONES AND PARAPET CAP STONES IN MORTAR BED SHALL BE PAID FOR UNDER THE ITEMS "RESET PARAPET END STONE" AND "RESET PARAPET CAP STONES".
  5. ANY REMOVAL AND RESETTING OF SPANDREL WALL STONES AND WINGWALL STONES BENEATH THE BOTTOM OF THE PARAPET FOOTING OR REINFORCED CURB BASE SHALL BE PAID FOR UNDER THE ITEM "RESET STONE MASONRY".
  6. 22" x 16 1/2" x 1/2" STEEL PLATES FOR BRIDGE ATTACHMENT AND 11" x 12" x 1/2" STEEL BASE PLATES FOR GUIDERAIL POSTS SHALL BE PAID FOR UNDER THE ITEM "STRUCTURAL STEEL". NO ADDITIONAL PAYMENT SHALL BE MADE FOR ASSOCIATED WELDING TO THE W6X9 POSTS OR FOR ANY MODIFICATIONS NECESSARY TO MEET THE DIMENSIONS AND DETAILS SHOWN. ANCHOR BOLTS AND ANCHOR PLATES WILL NOT BE MEASURED FOR PAYMENT.
  7. ALL STORM DRAINAGE IMPROVEMENTS INCLUDING C&P, PIPING, FLARED ENDS, AND RIP-RAP APRONS SHALL BE CONSTRUCTED BY THE TOWN, AND ARE THEREFORE NOT INCLUDED IN THIS CONTRACT.
  8. PAVEMENT RESTORATION, CONSTRUCTION SIGNS, AND BARRICADES, SHALL BE COMPLETED BY THE TOWN, AND ARE THEREFORE NOT INCLUDED IN THE CONTRACT.



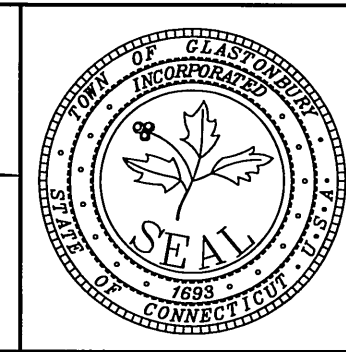
STATE OF CONNECTICUT  
DANIEL A. PENNINGTON P.E. Reg. No. 20101  
Certified to be substantially correct



DRAWING ISSUE STATUS		
NO.	DESCRIPTION	DATE
2.	ISSUED FOR CONSTRUCTION	4-3-2012
1.	ISSUED FOR PERMITTING	12-19-2011



SCALE: AS SHOWN	DATE:
DRAWN BY: S.TROY	12-19-2011
CHECKED BY: S.M.B.	12-19-2011
APPROVED BY: D.A.P.	12-19-2011
ST. FILE:	
DO NOT SCALE THIS DRAWING. USE THE DIMENSIONS GIVEN. IF THERE ARE ANY DISCREPANCIES OR QUESTIONS, CONTACT THE TOWN OF GLASTONBURY, ENGINEERING OFFICE.	

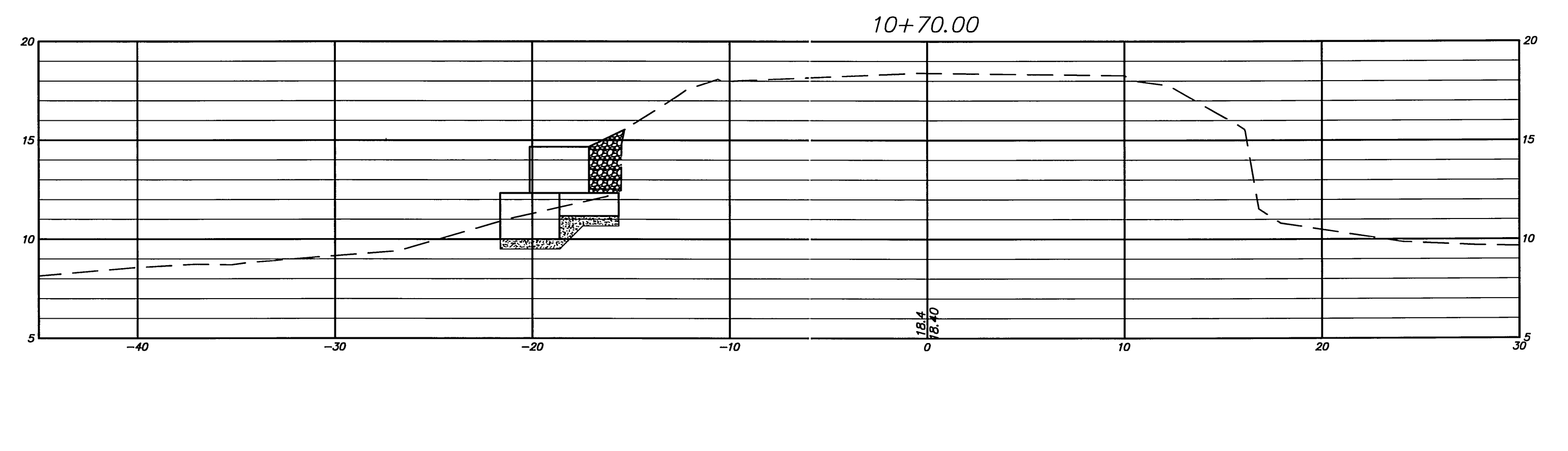
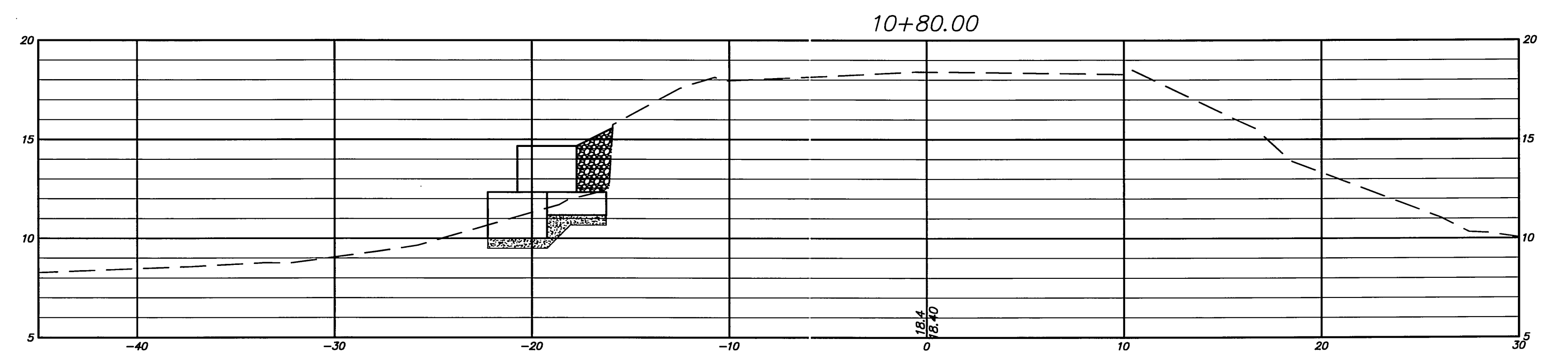
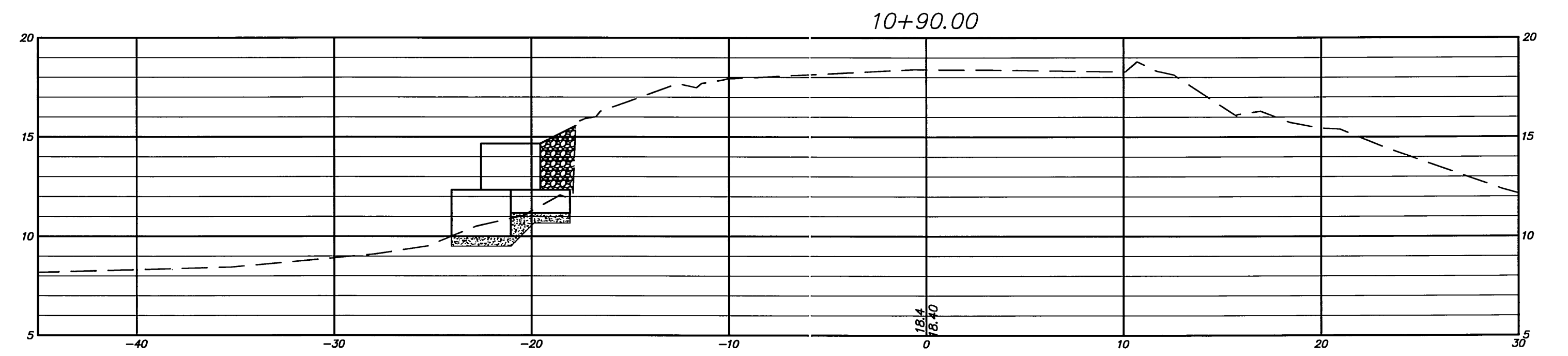
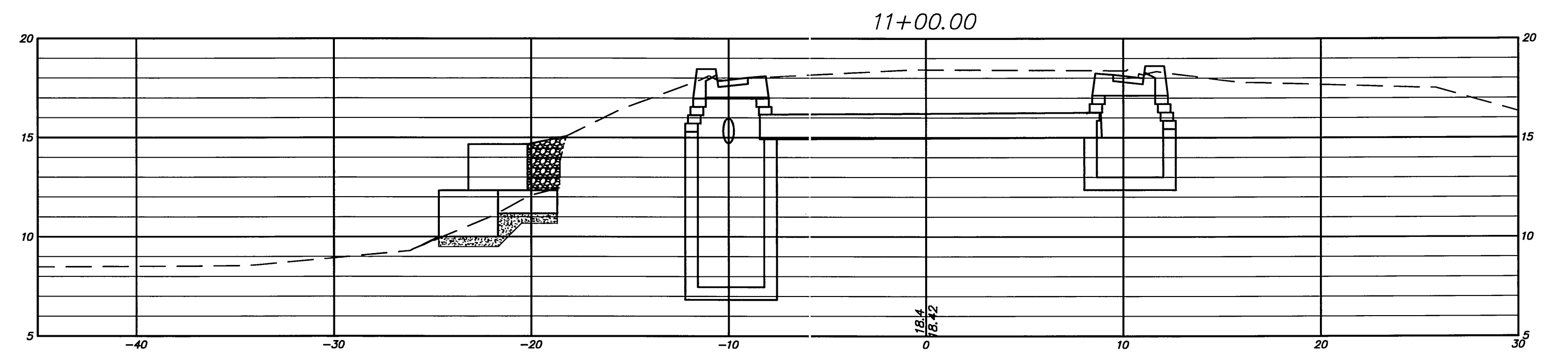
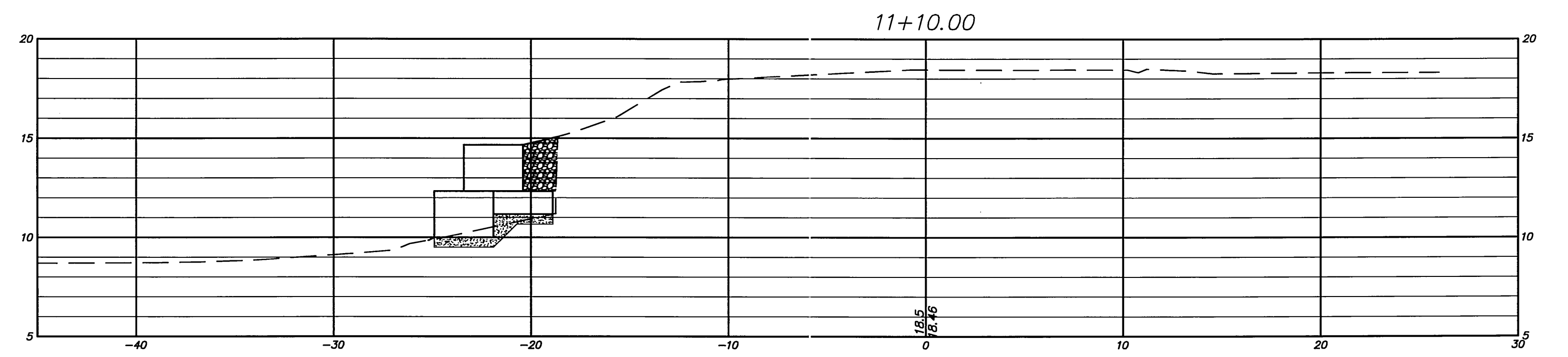
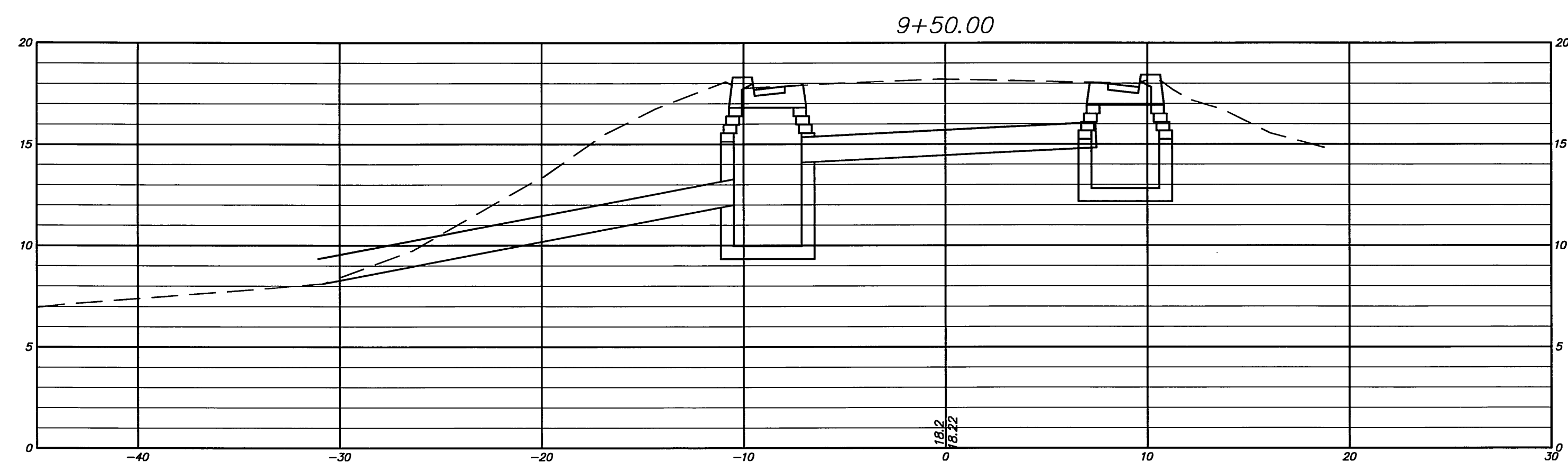
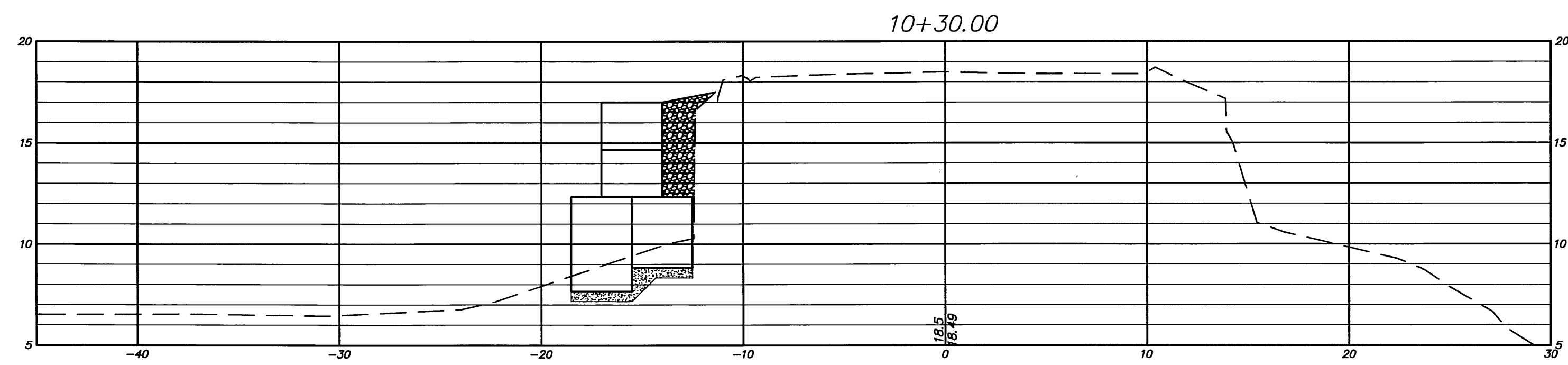
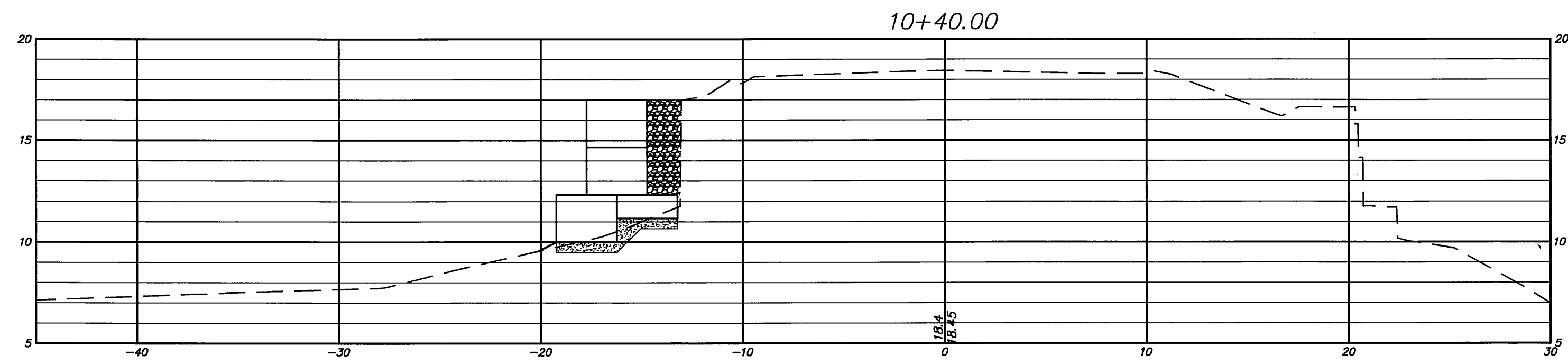
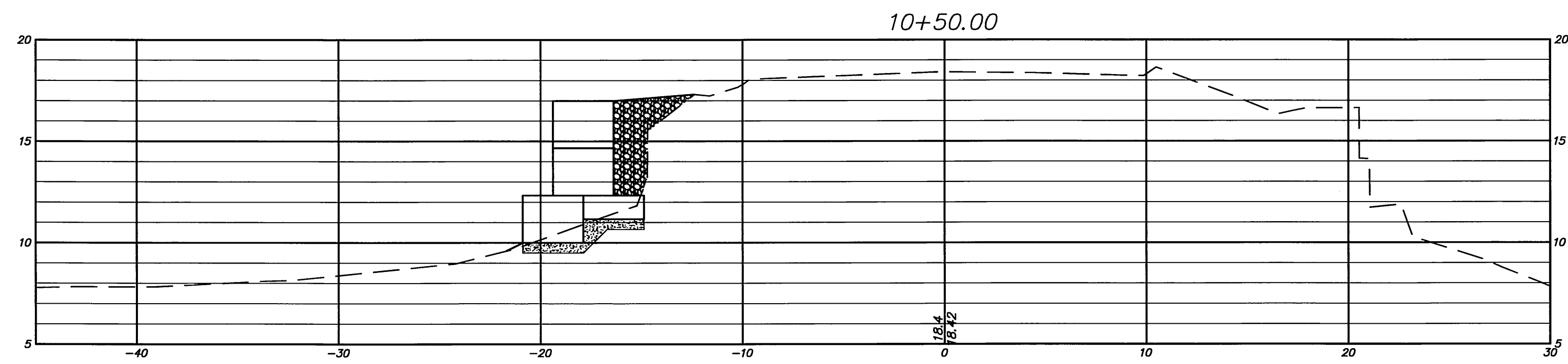
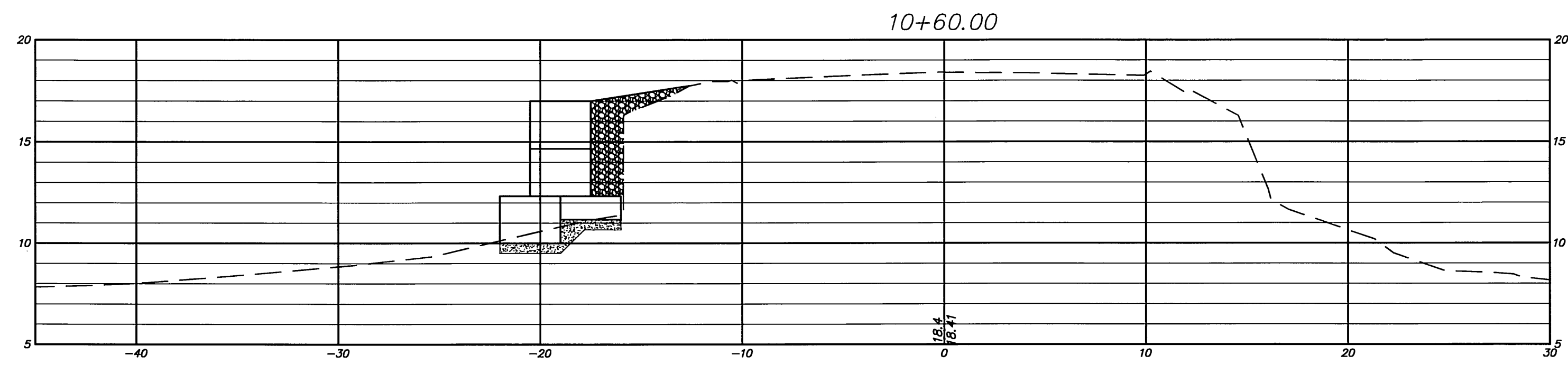


PLAN DEPICTING  
EXISTING AND PROPOSED CONDITIONS  
at  
NAUBUC AVENUE BRIDGE  
located on  
NAUBUC AVENUE  
GLASTONBURY, CONNECTICUT

SHEET NO. **1** OF 5



FILE:H:\DWG\Streets\Naubuc Ave Bridge\Naubuc Ave Bridge.dwg USER:Steven Troy DATE:4/4/2012



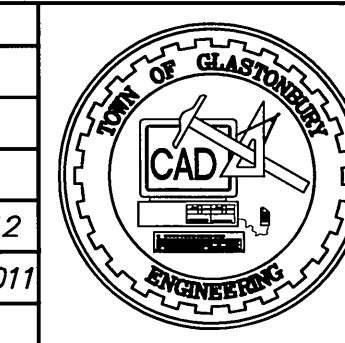
*Daniel A. Pennington*  
 DANIEL A. PENNINGTON  
 No. 20101  
 LICENSED

Certified to be substantially correct

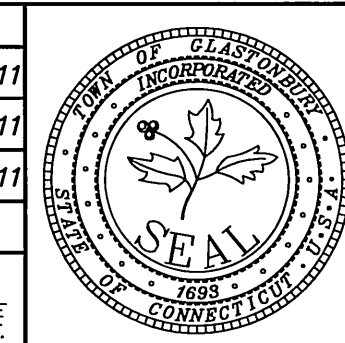
DANIEL A. PENNINGTON P.E. Reg. No. 20101

SCALE:  
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 Vertical 1"=5'

DRAWING ISSUE STATUS		
NO.	DESCRIPTION	DATE
2.	ISSUED FOR CONSTRUCTION	4-3-2012
1.	ISSUED FOR PERMITTING	12-19-2011



SCALE: AS SHOWN DATE: 12-19-2011  
 DRAWN BY: S.TROY  
 CHECKED BY: S.M.B.  
 APPROVED BY: D.A.P.  
 ST. FILE:  
 DO NOT SCALE THIS DRAWING. USE THE DIMENSIONS GIVEN. IF THERE ARE ANY DISCREPANCIES OR QUESTIONS, CONTACT THE TOWN OF GLASTONBURY, ENGINEERING OFFICE.



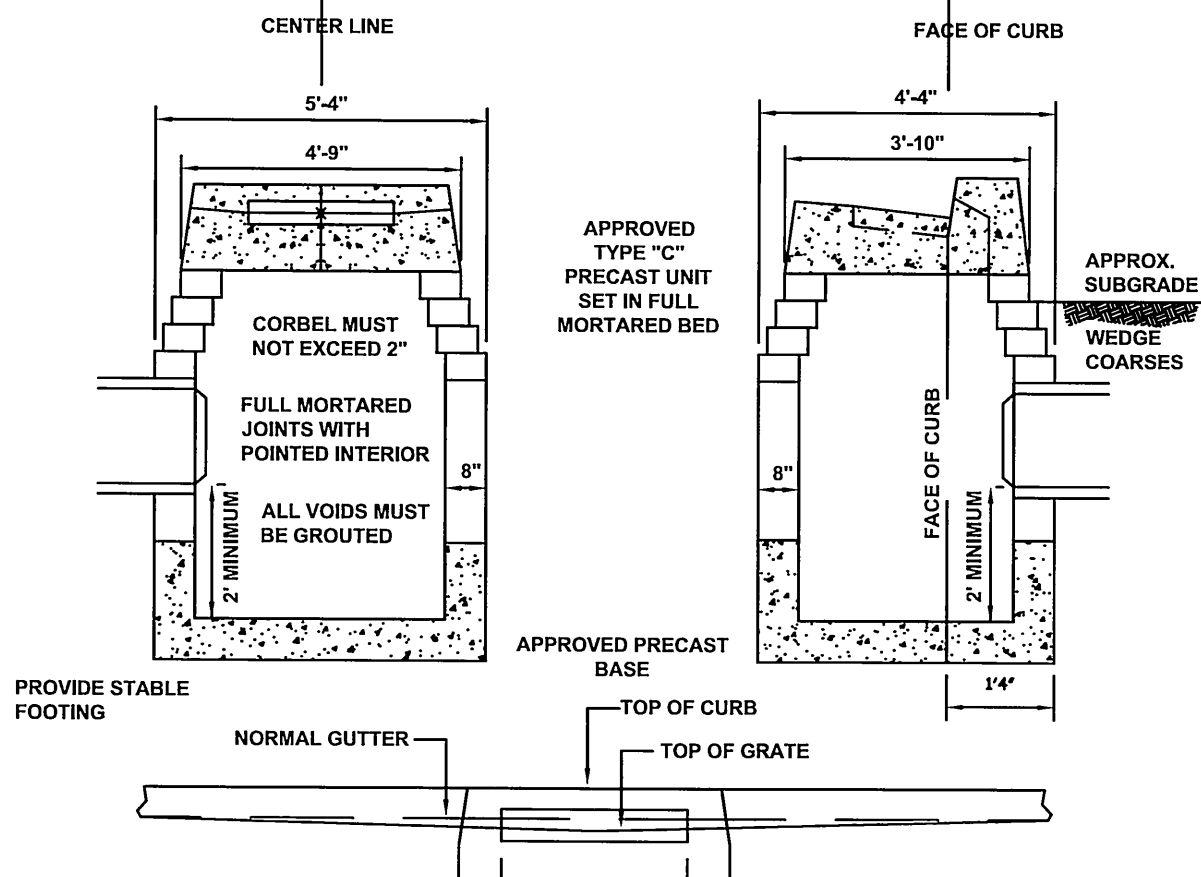
CROSS SECTIONS  
 EXISTING AND PROPOSED CONDITIONS  
 at  
 NAUBUC AVENUE BRIDGE  
 located on  
 NAUBUC AVENUE  
 GLASTONBURY, CONNECTICUT

SHEET NO.  
**2**  
 OF 5

FILE:H:\DWG\Streets\Naubuc Ave\PIV-8607 Naubuc Ave Bridge\Naubuc Avenue Bridge.dwg USER: Steven Troy DATE: 4/4/2012

TYPE "C" CATCH BASIN

- 1) THE PRECAST BASIN MUST BE PROPERLY ALIGNED AS SHOWN.
2) CORNERS SHALL BE SQUARE, COURSES LEVEL AND JOINTS PROPERLY STAGGERED.
3) MORTAR MIX SHALL NOT CONTAIN LIME.
4) BACK FILL OF STRUCTURE SHALL INCLUDE 2" OF PERVIOUS WELL COMPACTED MATERIAL BELOW SUBGRADE.
5) VOIDS IN EXTERIOR WALLS MUST BE GROUTED, CORBELS SHOULD BE WEDGED.
6) IN WET AREAS, OPEN JOINTS MAY BE LEFT ON 1ST COURSE ABOVE OUTLET FLOW LINE (BACKFILL JOINT WITH PROPERLY WRAPPED STONE).
7) WHERE NECESSARY, BLOCKS MAY BE CUT AND OR CONCRETE BRICK USED. (NO RED BRICK PERMITTED)
8) END OF PIPES SHALL BE SAW CUT FLUSH WITH INSIDE WALLS.

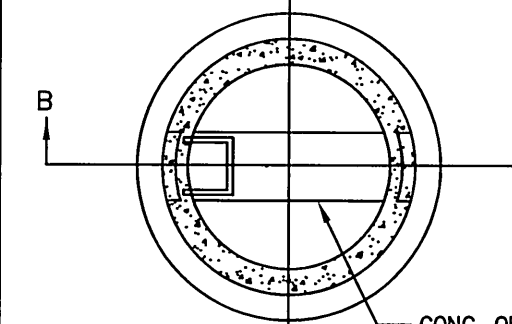


TOP OF GRATE SHALL BE SET 2" BELOW NORMAL GUTTER ON EXCESSIVE GRADE TOP OF GRATE MUST BE ADJUSTED. NOTE: PRECAST BASIN SECTIONS MAY BE USED IF APPROVED BY THE ENGINEER.

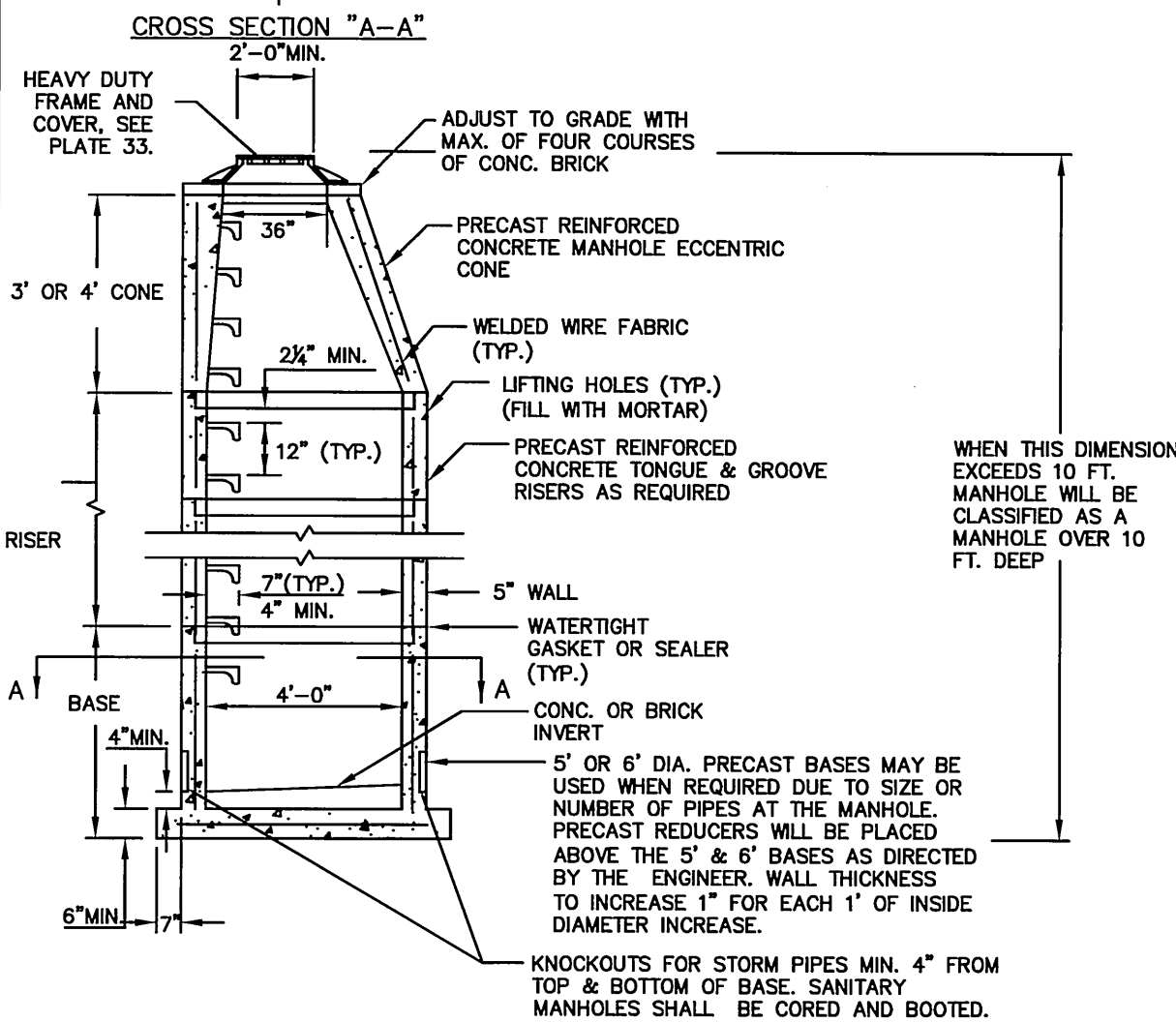
TOWN OF GLASTONBURY, CONNECTICUT. BY DATE: S.R. 5/04. DRAWN BY: S.R. 5/04. CHECKED BY: S.M.B. 5/04.

TYPE "C" CATCH BASIN

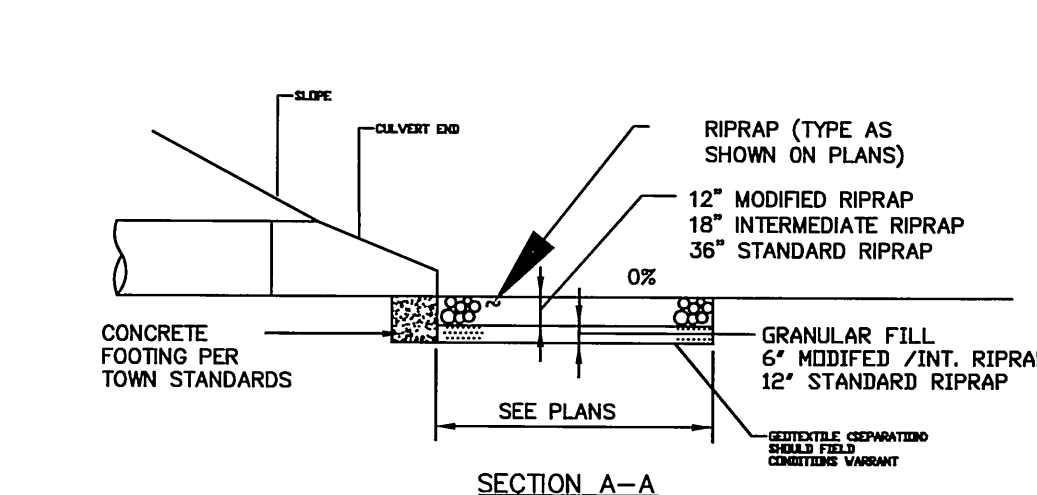
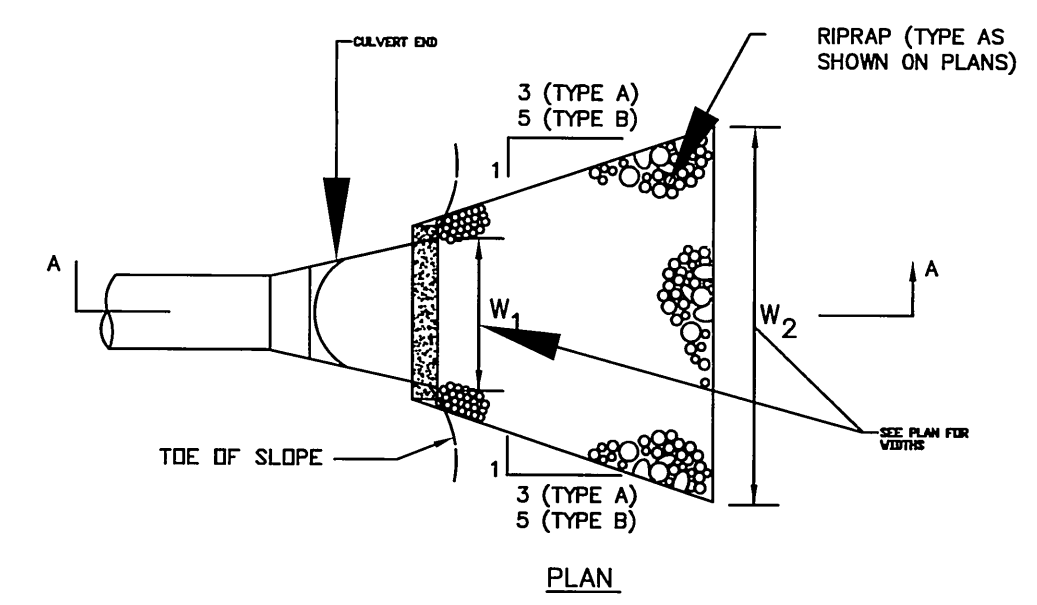
APPROVED: [Signature] DIRECTOR. APPROVED: [Signature] ENGINEER. SHEET 1 OF 1.



- NOTES:
1. ALL MANHOLE FRAMES AND COVERS TO BE SET FLUSH WITH BINDER COURSE. A MANHOLE RISER RING SHALL BE USED TO BRING MANHOLE COVER TO FINISHED GRADE PRIOR TO THE COMPLETION OF THE FINAL SURFACE COURSE.
2. TOP STEP TO BE 4" BELOW FRAME, 12" O.C. BELOW TOP STEP.



MANHOLE VERTICAL SECTION "B-B". SCALE: NONE. DRAWN BY: SR. CHECKED BY: SMB. APPROVED BY: DAP. LAST REVISION: 9/2/2008. TOWN OF GLASTONBURY, DEPARTMENT OF PHYSICAL SERVICES, ENGINEERING DIVISION. PRECAST CONCRETE MANHOLE (STORM & SANITARY). PLATE NO. 31.



RIPRAP SPECIFICATION table with columns for Outlet Velocity (0-8 FPS, 8-10 FPS, 10-14 FPS) and Riprap Type (Modified, Intermediate, Standard).

NOTES: 1. DETAIL TO BE USED FOR OUTFALLS WHERE NO WELL DEFINED CHANNEL EXISTS. 2. APRON DIMENSIONS TO BE COMPUTED PER SECTION 11.13 OF CONDOT DRAINAGE MANUAL. 3. TYPE B SHALL BE USED FOR LOCATIONS WHERE TAILWATER > 1/2 PIPE DIAMETER. SCALE: NONE. DRAWN BY: SR. CHECKED BY: SMB. APPROVED BY: DAP. LAST REVISION: 3/4/2008. TOWN OF GLASTONBURY, DEPARTMENT OF PHYSICAL SERVICES, ENGINEERING DIVISION. RIPRAP APRON TYPE A AND TYPE B. PLATE NO. 25.

Town of Glastonbury. 2155 MAIN STREET • P.O. BOX 6523 • GLASTONBURY, CONNECTICUT 06033-6523.

CONSERVATION COMMISSION AND INLAND WETLANDS & WATERCOURSES AGENCY. Daniel A. Pennington, Town Engineer. November 2, 2011.

Application of the Town of Glastonbury (Engineering Department) for an inland wetlands and watercourses permit - Naubuc Avenue Bridge Rehabilitation and Retaining Wall Stabilization Project - bridge over Porter Brook and located north of intersection with Putnam Boulevard - act within right-of-way and established easements on private property - Flood Zone - Daniel A. Pennington, Town Engineer.

At its Regular Meeting of October 27, 2011, the Conservation Commission/Inland Wetlands & Watercourses Agency approved an Inland Wetlands and Watercourses Permit, in accordance with the plans and conditions cited in the attached motion.

Please read the conditions of approval carefully and comply with them. Some of the conditions may require interacting with the Environmental Planner (e.g. inspection of soil erosion and sediment control); it will be your responsibility to schedule such interactions. Any questions you may have about the stated conditions can be directed to the Office of Community Development at (860) 652-7511.

This Permit requires that the approved regulated activities be completed within one (1) year from commencement of said activities; is valid for five (5) years and thus copies on October 27, 2016; and may not be transferred unless authorized by the Inland Wetlands & Watercourses Agency.

This Permit may be revoked if you exceed the conditions or limitations of this Permit or have secured this Permit through inaccurate information. Once again should you have any questions, please do not hesitate to contact this office.

Sincerely, Tom Macko, Environmental Planner.

T.M.dfm, Attachments.

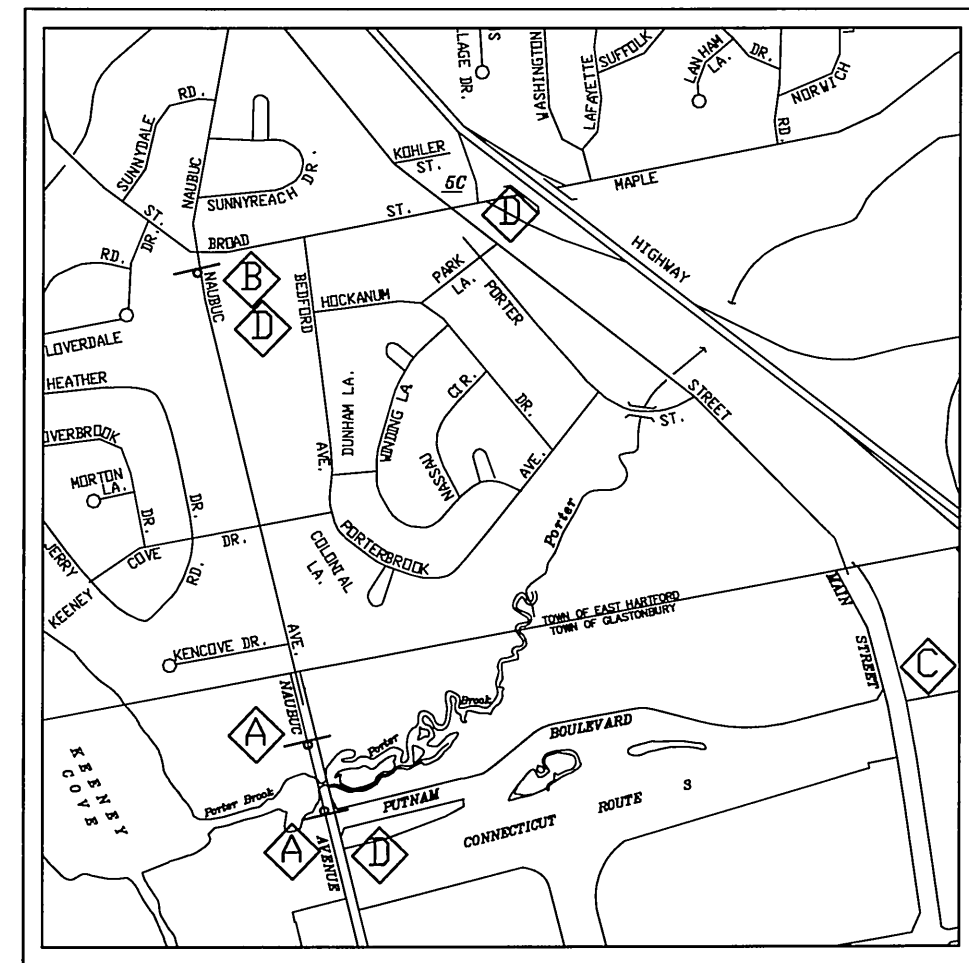
GENERAL SEDIMENTATION AND EROSION CONTROL REQUIREMENTS

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

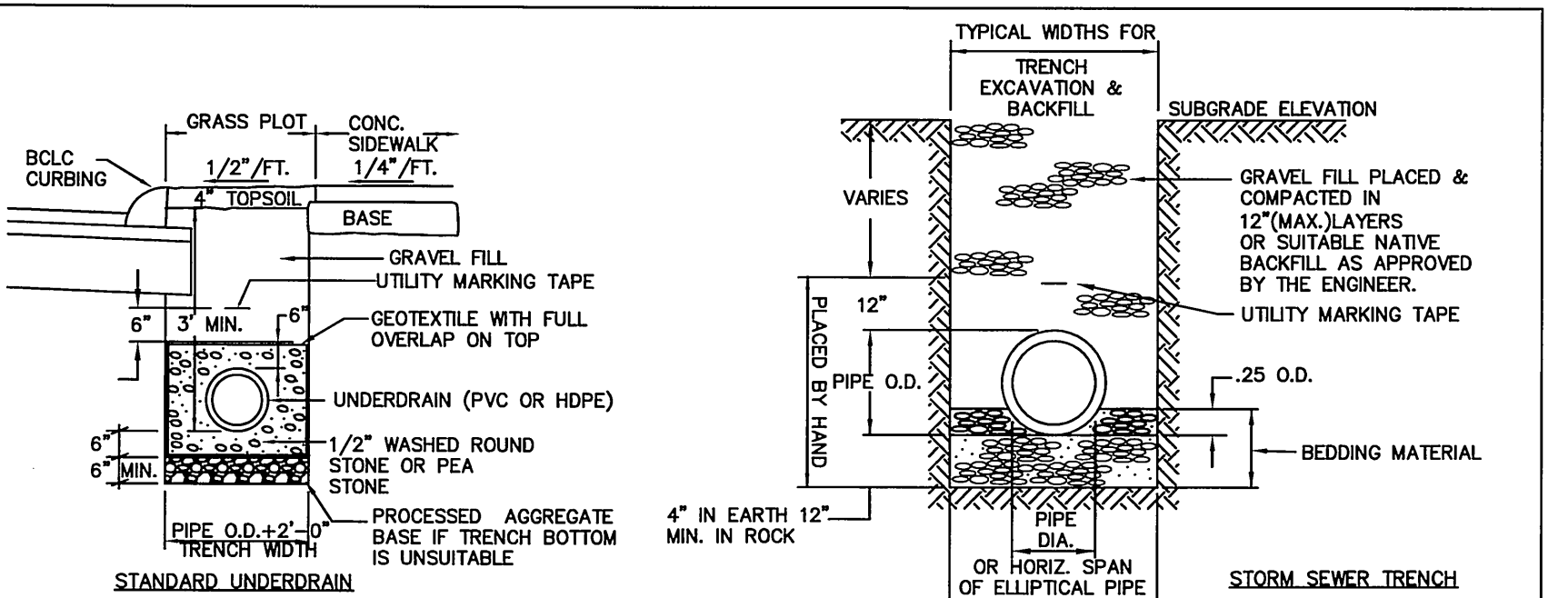
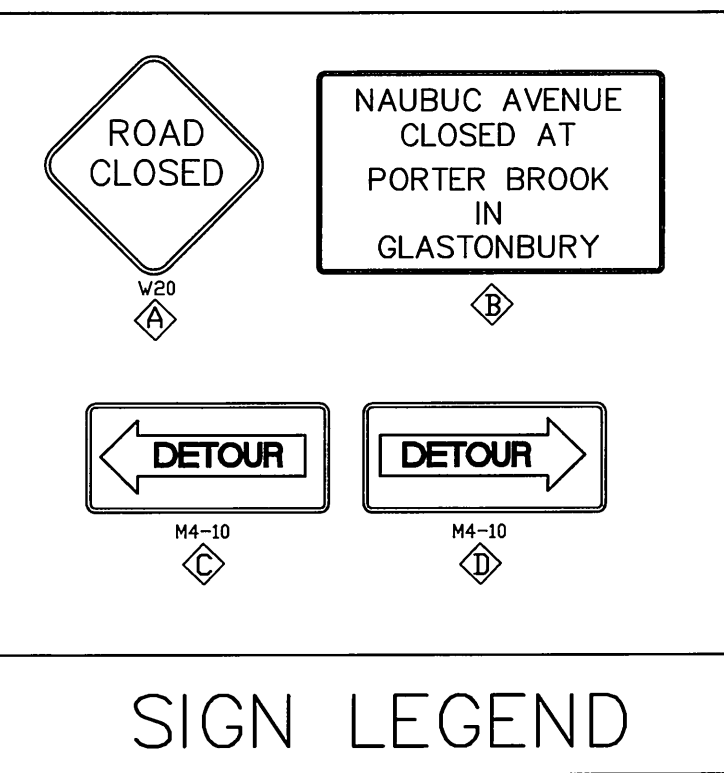
IN GENERAL, ALL ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ET.C. THE DEPARTMENT OF PHYSICAL SERVICES SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL, SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

- 1. ALL CONTROL MEASURES SHALL BE INSTALLED AS NOTED ABOVE AND AS SHOWN ON THE PLANS.
2. ALL CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK, INCLUDING PRE-CONSTRUCTION CLEARING AND GRUBBING.
3. ALL CONTROL MEASURES SHALL BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
4. NO CONTROL MEASURES SHALL BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.
5. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY BY THE ENGINEER.
6. THE LIMITS OF CLEARING, GRADING AND DISTURBANCE, AS SHOWN ON THE PLAN(S), SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE THE LIMITS OF CLEARING SHALL REMAIN TOTALLY UNDISTURBED.
7. ANY CONTROL MEASURES RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT IMMEDIATELY REMOVED, AND ALL DAMAGED CONTROL MEASURES SHALL BE REMOVED AND REPLACED.
8. ALL NEW AND EXISTING CATCH BASINS LOCATED WITHIN THE PROJECT LIMITS SHALL BE PROTECTED WITH A SEDIMENTATION CONTROL SYSTEM IN GRASSED AREAS OR WITH A SEDIMENTATION CONTROL SACK IN PAVED AREAS UNTIL ALL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
9. SEDIMENT REMOVED FROM CONTROL MEASURES AND DRAINAGE FACILITIES SHALL BE DISPOSED OF IN A MANNER THAT IS CONSISTENT WITH STATE AND LOCAL REGULATIONS.
10. THE PLANTING SEASONS FOR THE SPECIFIED SEED MIXTURE SHALL BE AS DEFINED IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, UNLESS DIRECTED OTHERWISE BY THE TOWN ENVIRONMENTAL PLANNER. OUTSIDE OF THESE SPECIFIED DATES, AREAS WILL BE STABILIZED WITH HAYBALE CHECK DAMS, FILTER FABRIC, OR WOODCHIP MULCH AS REQUIRED TO CONTROL EROSION.

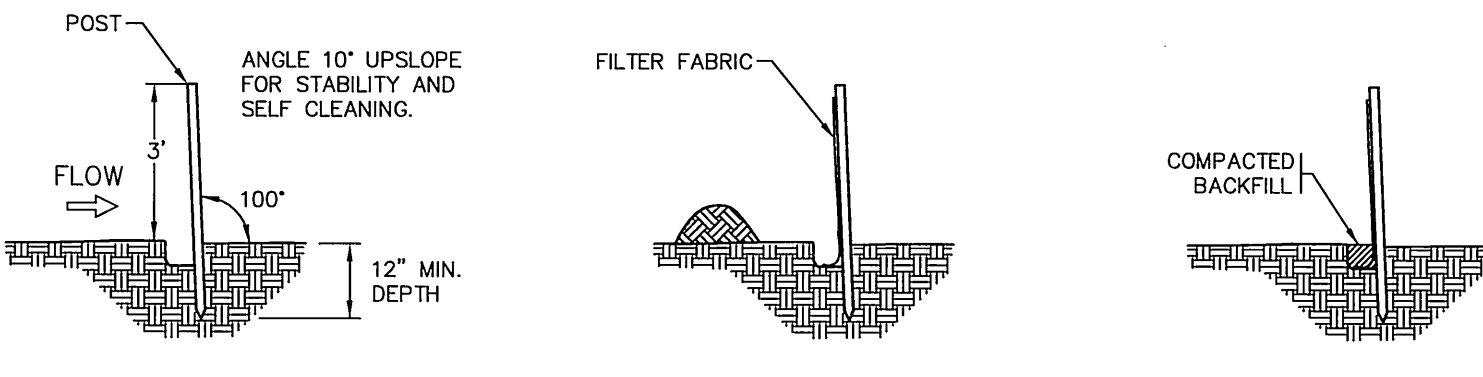


DETOUR MAP. SCALE: 1" = 1000'



- NOTES:
1. PERFORATIONS TO BE PLACED UP OR DOWN AS SPECIFIED BY THE ENGINEER. HOLES ARE TO BE 1/2" DIA. OR 5/8" DIA.
2. PIPE SHALL BE MIN. 6" DIA.
3. SLOTTED REINFORCED CONC. PIPE (SRCP) CAN BE USED AS A COMBINED STORM AND UNDERDRAIN SYSTEM.
4. ALL UNDERDRAIN TO BE OUTLETED DIRECTLY INTO A CATCH BASIN. THE TOP OF THE UNDERDRAIN PIPE IS TO MATCH THE TOP OF THE OUTLET PIPE.
5. INCLUDE CLEANOUTS AT SPACING NOT TO EXCEED 150 FEET.
6. TRENCH FOR STORM DRAIN AND UNDER DRAIN.

TOWN OF GLASTONBURY, DEPARTMENT OF PHYSICAL SERVICES, ENGINEERING DIVISION. TRENCH FOR STORM DRAIN AND UNDER DRAIN. PLATE NO. 20. SCALE: NONE. DRAWN BY: SR. CHECKED BY: SMB. APPROVED BY: DAP. LAST REVISION: 4/29/2008.



PLACEMENT & CONSTRUCTION OF SYNTHETIC FILTER BARRIER. NOT TO SCALE.

Town of Glastonbury. 2155 MAIN STREET • P.O. BOX 6523 • GLASTONBURY, CONNECTICUT 06033-6523.

TOWN PLAN AND ZONING COMMISSION. SECTION 4.11 FLOOD ZONE SPECIAL PERMIT. APPLICANT/OWNER: TOWN OF GLASTONBURY, 2155 MAIN STREET, GLASTONBURY, CT 06033. FOR: NAUBUC AVENUE BRIDGE. APPROVED: TOWN PLAN & ZONING COMMISSION, MARCH 6, 2012. SHARON H. FURTELL, CHAIRMAN.

MOVED, that the Town Plan and Zoning Commission approve the application of the Town of Glastonbury for a Section 4.11 Flood Zone Special Permit (waiver) to repair/reconstruct the Naubuc Avenue Bridge - northerly of Putnam Boulevard intersection, in accordance with the following plans:

"PLAN DEPICTING EXISTING AND PROPOSED CONDITIONS AT NAUBUC AVENUE BRIDGE LOCATED ON NAUBUC AVENUE GLASTONBURY, CONNECTICUT TOWN OF GLASTONBURY ENGINEERING SCALE: AS SHOWN DRAWN BY: S. TROY 12-19-2011 CHECKED BY: S.M.B. 12-19-2011 APPROVED BY: D.A.P. 12-19-2011 DRAWING ISSUE STATUS 1. ISSUED FOR PERMITTING 12-19-2011 SHEET NO. 1 OF 5"

"CROSS SECTIONS EXISTING AND PROPOSED CONDITIONS AT NAUBUC AVENUE BRIDGE LOCATED ON NAUBUC AVENUE GLASTONBURY, CONNECTICUT TOWN OF GLASTONBURY ENGINEERING SCALE: AS SHOWN DRAWN BY: S. TROY 12-19-2011 CHECKED BY: S.M.B. 12-19-2011 APPROVED BY: D.A.P. 12-19-2011 DRAWING ISSUE STATUS 1. ISSUED FOR PERMITTING 12-19-2011 SHEET NO. 2 OF 5"

"EROSION CONTROL PLAN AND MISCELLANEOUS DETAILS FOR NAUBUC AVENUE BRIDGE LOCATED ON NAUBUC AVENUE GLASTONBURY, CONNECTICUT TOWN OF GLASTONBURY ENGINEERING SCALE: AS SHOWN DRAWN BY: S. TROY 1-28-2011 CHECKED BY: S.M.B. APPROVED BY: D.A.P. SHEET NO. 3 OF 5"

"LAYOUT PLAN NAUBUC AVENUE OVER PORTER BROOK - METAL BEAM RAIL PREPARED FOR TOWN OF GLASTONBURY NAUBUC AVENUE GLASTONBURY, CONNECTICUT CME ASSOCIATES, INC. 32 CRABTREE LN, WOODSTOCK, CT 06281 PHONE 888-291-3227 DESIGNED APJ DRAWN APJ CHECKED BLD DATE: 07-25-2011 SCALE: AS NOTED PROJECT# 2011059 SHEET 4 OF 5"

"RECONSTRUCTION DETAILS 1 NAUBUC AVENUE OVER PORTER BROOK - METAL BEAM RAIL PREPARED FOR TOWN OF GLASTONBURY NAUBUC AVENUE GLASTONBURY, CONNECTICUT CME ASSOCIATES, INC. 32 CRABTREE LN, WOODSTOCK, CT 06281 PHONE 888-291-3227 DESIGNED APJ DRAWN APJ CHECKED BLD DATE: 07-25-2011 SCALE: AS NOTED PROJECT# 2011059 SHEET 5 OF 5"

TOWN OF GLASTONBURY, DEPARTMENT OF PHYSICAL SERVICES, ENGINEERING DIVISION. TRENCH FOR STORM DRAIN AND UNDER DRAIN. PLATE NO. 20. SCALE: NONE. DRAWN BY: SR. CHECKED BY: SMB. APPROVED BY: DAP. LAST REVISION: 4/29/2008.

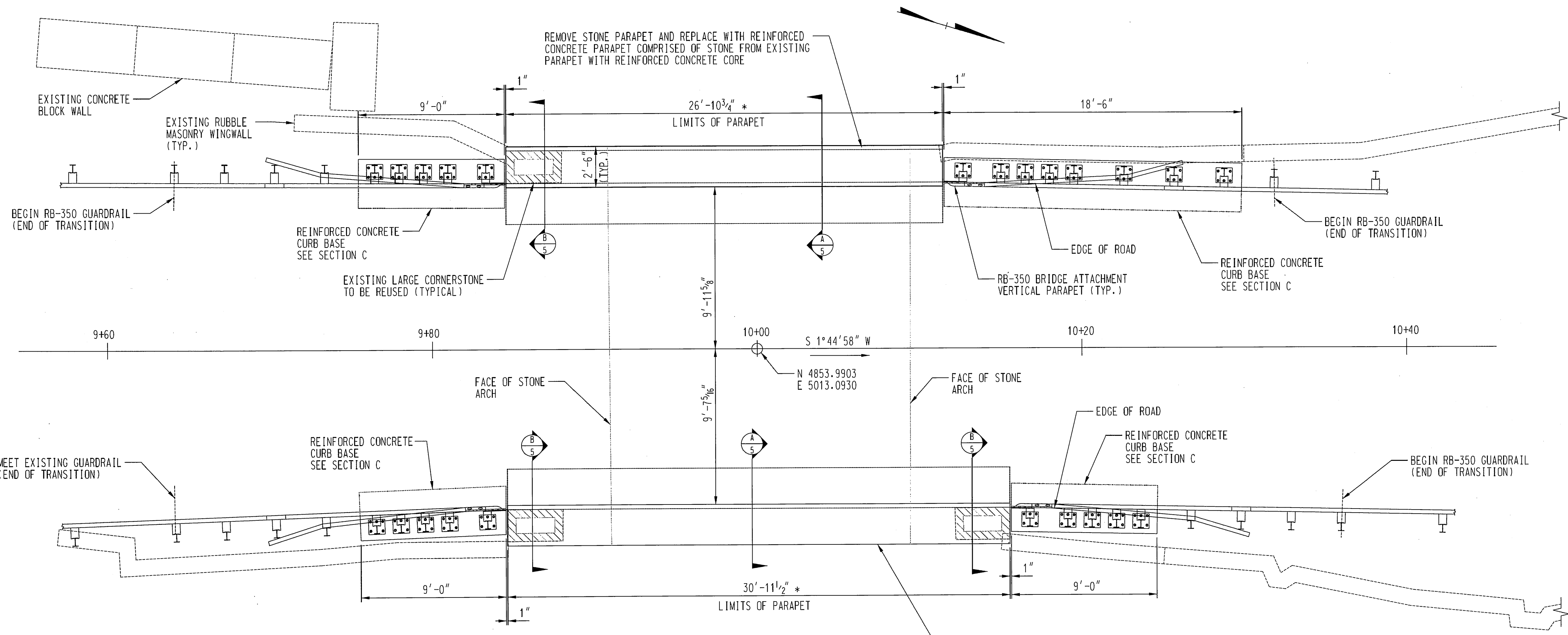
Certified to be substantially correct. DANIEL A. PENNINGTON P.E. Reg. No. 20101. TOWN OF GLASTONBURY, CONNECTICUT. No. 20101 LICENSED ENGINEER.

DRAWING ISSUE STATUS table with columns for NO., DESCRIPTION, and DATE. Includes entries for 'ISSUED FOR CONSTRUCTION' (4-3-2012), 'ISSUED FOR PERMITTING' (12-19-2011), and 'ISSUED FOR PERMITTING' (12-19-2011).

SCALE: AS SHOWN. DATE: 1-28-2011. DRAWN BY: S.TROY. CHECKED BY: S.M.E. APPROVED BY: D.A.P. ST. FILE: DO NOT SCALE THIS DRAWING. USE THE DIMENSIONS GIVEN. IF THERE ARE ANY DISCREPANCIES OR QUESTIONS, CONTACT THE TOWN OF GLASTONBURY, ENGINEERING OFFICE.

EROSION CONTROL PLAN AND MISCELLANEOUS DETAILS FOR NAUBUC AVENUE BRIDGE located on NAUBUC AVENUE GLASTONBURY, CONNECTICUT. SHEET NO. 3 OF 5.





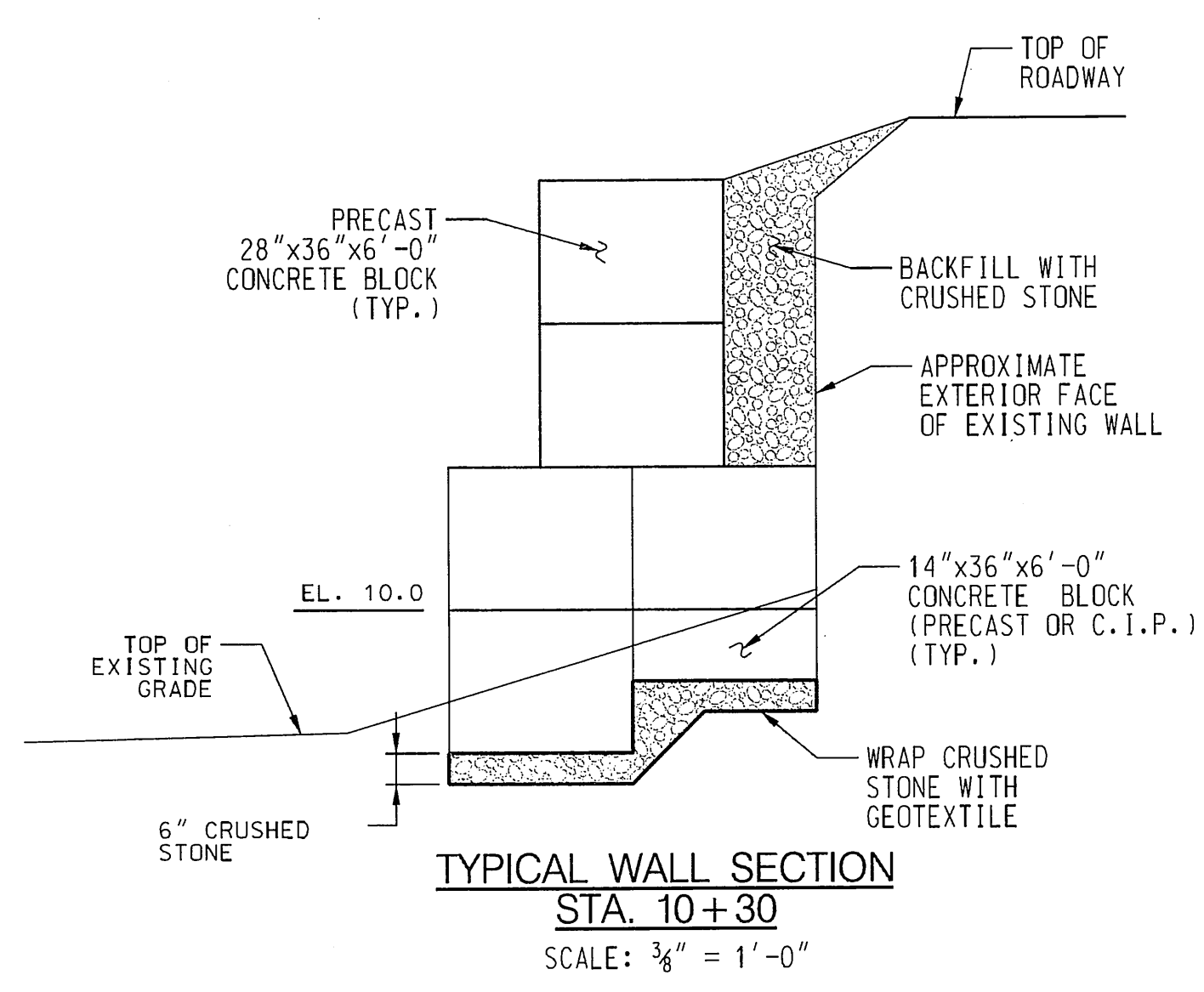
PARAPET AND CURB PLAN  
SCALE: 1/4" = 1'-0"

\* ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. FACE OF PROPOSED STONE PARAPET SHALL BE COINCIDENT WITH FACE OF EXISTING WINGWALLS.

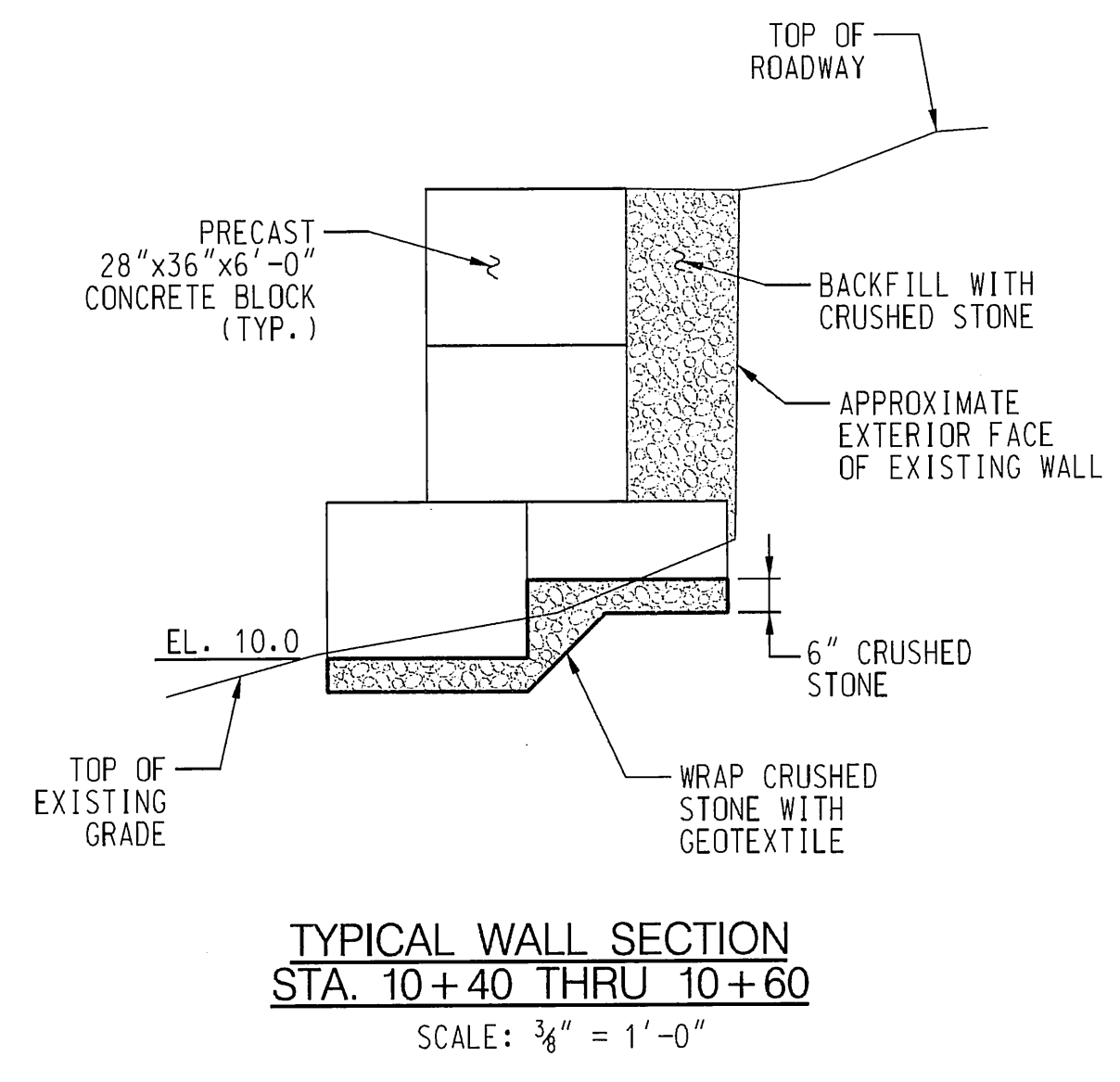
REMOVE STONE PARAPET AND REPLACE WITH REINFORCED CONCRETE PARAPET COMPRISED OF STONE FROM EXISTING PARAPET WITH REINFORCED CONCRETE CORE

PROPOSED CURB AT EDGE OF ROAD		
LOCATION	STA.	OFFSET (FT)
SOUTHWEST MOMENT SLAB		
SOUTH END	9+75.47	-10.25 FT
MIDDLE	9+79.97	-10.23 FT
NORTH END	9+84.47	-10.22 FT
SOUTHEAST MOMENT SLAB		
SOUTH END	9+75.52	+10.19 FT
MIDDLE	9+80.01	+10.03 FT
NORTH END	9+84.51	+ 9.86 FT
NORTHWEST MOMENT SLAB		
SOUTH END	10+11.53	-10.22 FT
MIDDLE	10+20.70	-10.02 FT
NORTH END	10+29.86	- 9.83 FT
NORTHEAST MOMENT SLAB		
SOUTH END	10+15.62	+ 9.86 FT
MIDDLE	10+20.12	+ 9.94 FT
NORTH END	10+24.62	+10.03 FT

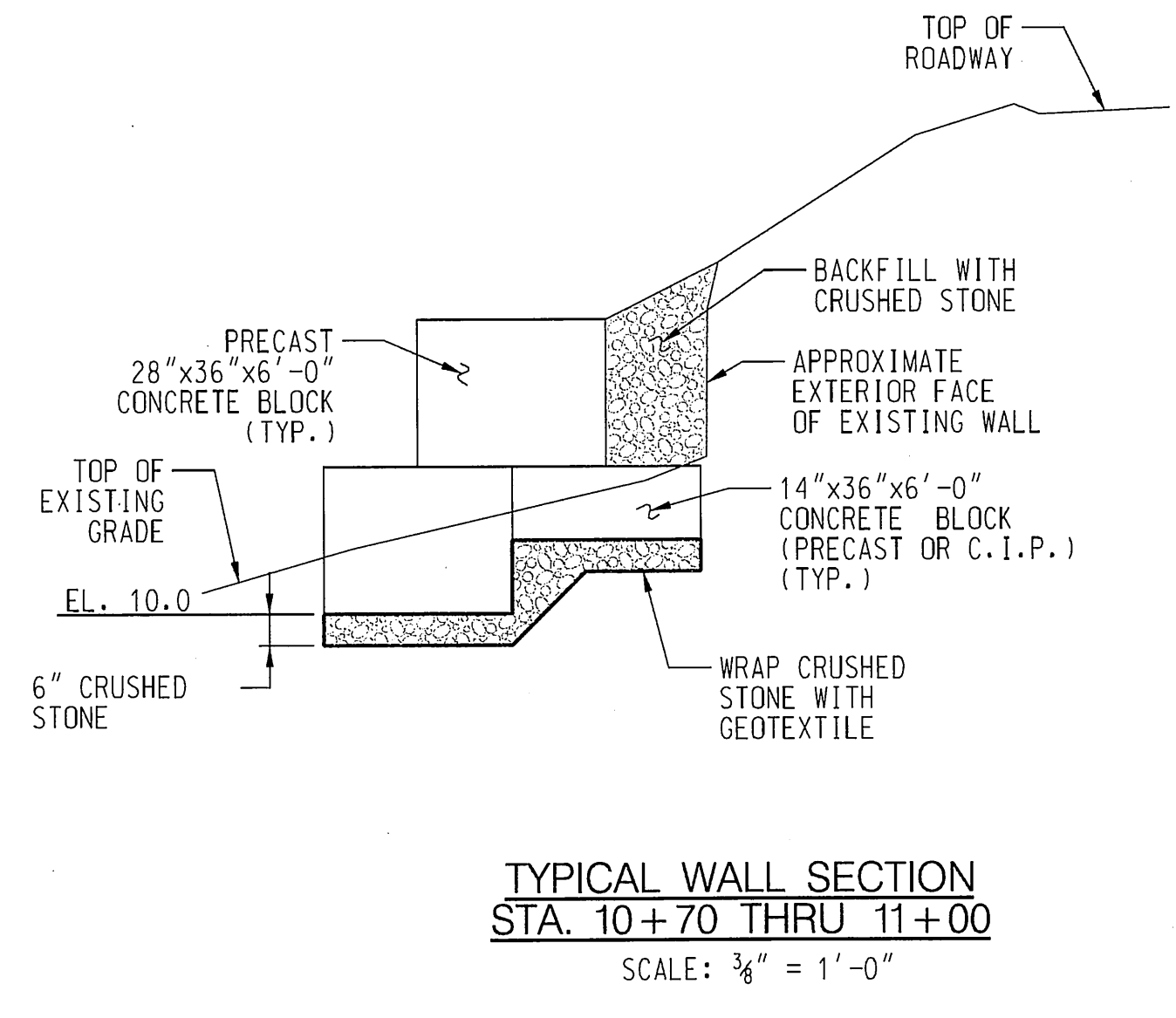
OFFSETS ARE TO MEET EXISTING CONDITIONS. CONTRACTOR TO FIELD VERIFY.



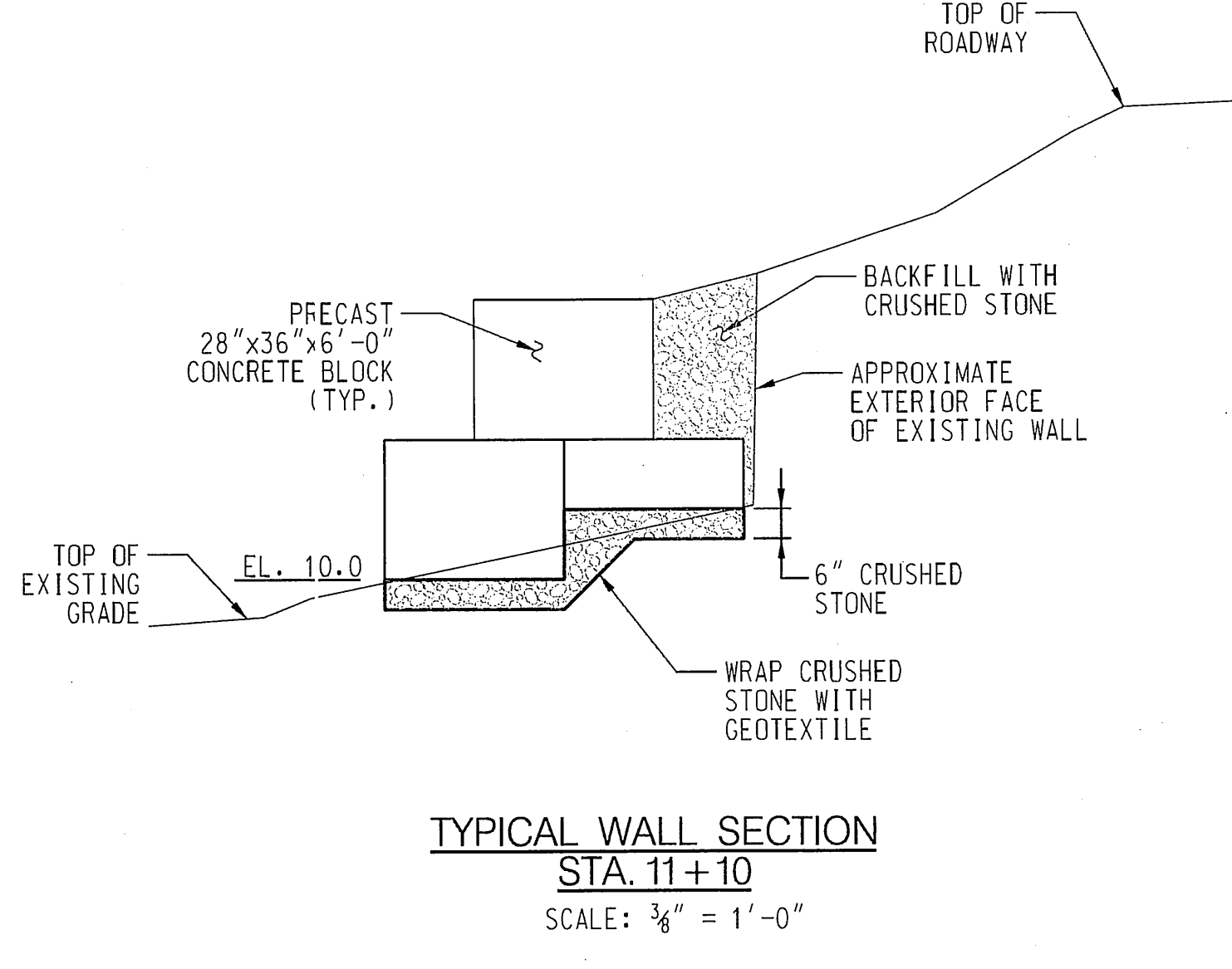
TYPICAL WALL SECTION  
STA. 10+30  
SCALE: 3/8" = 1'-0"



TYPICAL WALL SECTION  
STA. 10+40 THRU 10+60  
SCALE: 3/8" = 1'-0"



TYPICAL WALL SECTION  
STA. 10+70 THRU 11+00  
SCALE: 3/8" = 1'-0"



TYPICAL WALL SECTION  
STA. 11+10  
SCALE: 3/8" = 1'-0"

NOTE: CONCRETE BLOCKS FOR WINGWALLS SHOWN SHALL BE SET WITH VERTICAL JOINTS NO CLOSER THAN 2FT TO ADJACENT BLOCKS

QUALITY CONTROL CERTIFICATION		
GROUP	REVIEWED	DATE
PROJECT MANAGER	BLB	07-25-2011
SURVEY		
ENVIRONMENTAL		
CIVIL		
STRUCTURAL	BLB	07-25-2011
ARCHITECTURAL		

CME Associates, Inc.  
32 Crabtree Ln., Woodstock, CT 06281 Phone 866-291-9227  
55 Main St., Suite 340, Norwich, CT 06280 www.cmeengineering.com  
530 East River Dr., Suite 400, East Hartford, CT 06108  
50 Elm St., Southbridge, MA 01550

NAUBIC AVENUE OVER PORTER BROOK - METAL BEAM RAIL  
PREPARED FOR  
**TOWN OF GLASTONBURY**  
GLASTONBURY, CONNECTICUT  
NAUBIC AVENUE

LAYOUT PLAN

REVISIONS		DESCRIPTION	
NO.	DATE		

JOB DATA		DESIGNED		DRAWN		CHECKED		FILE	
PROJECT	BOOK NO.	APJ	APJ	BLB	BLB	COGO	FILE		
201059									

DATE: 07-25-2011  
SCALE: AS NOTED  
PROJECT# 2011059

SHEET  
4 OF 5



