

TOWN OF GLASTONBURY
ENGINEERING DIVISION
PW-2212

CONTRACT DOCUMENTS

FOR

POLICE DEPARTMENT
FUEL STATION IMPROVEMENTS
LOCATED AT
2108R MAIN STREET

BID # GL-2023-16



ADVERTISED ON: JULY 19, 2022

BID DUE DATE: AUGUST 11, 2022

TOWN OF GLASTONBURY

INVITATION TO BID

<u>BID #</u>	<u>ITEM</u>	<u>DATE & TIME REQUIRED</u>
GL-2023-16	Police Department Fuel Station Improvements	AUGUST 11, 2022 at 11:00 A.M.

The Town of Glastonbury will receive on-line Bids for improvements to the fuel station located at the rear of the Police Department at 2108R Main Street in Glastonbury. Improvements generally include removal of the existing underground fuel tank, installation of a 10,000 gallon above-ground concrete gasoline tank with fueling island, concrete fueling pad, canopy, and associated equipment.

Bidders wishing to submit a bid proposal for this solicitation are directed to respond online through a secure e-Procurement portal. Responses can be submitted at the following link: <https://app.negometrix.com/buyer/2832>, under the bid title "**GL-2023-16 – Police Department Fuel Station Improvements**". All bids will be publicly opened and read aloud. **No late bids will be accepted.**

A **mandatory** pre-bid conference will be held on July 28, 2022 at 9:00AM at the project site located at 2108R Main Street Glastonbury, Connecticut. All bidders must attend in order for their bid to be considered.

This Invitation to Bid, Instructions to Bidders, Drawings, Specifications and other Bidding Documents (as defined in the Instruction to Bidders) are available for viewing and downloading on the Town of Glastonbury website www.glastonburyct.gov or the State's website at www.das.state.ct.us at no cost.

Each Bid must be accompanied by a bid security in the form of a Bid Bond, certified in an amount not less than 10% of the base bid except as otherwise expressly provided in the Instruction to Bidders. The successful bidder will be required to provide performance and labor and material payment bonds in the full amount of the agreed contract price.

Bidders are further advised that this project is subject to the prevailing wage requirements of Connecticut General Statutes Section 31-53.

Bidders are also hereby alerted to the schedule requirements as outlined in Special Conditions Section 11.00.

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

The Town reserves the right to amend or withdraw this Invitation to Bid for any reason, to accept or reject any or all Bids, to waive any informalities or non-material deficiencies in any Bid, and to make such award (or make no award) of a contract in connection with this Invitation to Bid all as determined by the Town, in its discretion, to be in the best interest of the Town. A Bid may be rejected for irregularities of any kind, including without limitation, alteration of form, additions not called for, conditional proposals, and incomplete Bids. A Bid may also be rejected if, in the opinion of the Town, the Bid does not meet the standard of quality established by the Bidding Documents. Any or all Bids may be rejected if there is any reason to believe that collusion exists among two or more Bidders. The foregoing provisions are for illustrative purposes and shall in no way limit the right of the Town to reject any and all Bids, in whole or in part.

Mary F. Visone
Purchasing Agent

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**POLICE DEPARTMENT FUEL STATION IMPROVEMENTS
INFORMATION FOR BIDDERS**

BID #GL-2023-16

1. Bidders submitting a response for this solicitation are directed to respond online through a secure e-Procurement portal. Bids can be submitted at the following link: <https://app.negometrix.com/buyer/2832> under the bid title "**GL-2023-16 - Police Department Fuel Station Improvements**". Bidders will be required to create a profile before submitting their bid. Step-by-step instructions on how to register as a vendor are available at this website:

<https://help.negometrix.com/en/support/solutions/articles/9000177626-register-on-negometrix4>

Bidders will be required to upload their bid response in **one consolidated pdf document** in the following file located in the bid portal:

- Bid Response & Related Documents
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 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 of the lowest qualified, responsible, and responsive bidder unless otherwise specified. The bid total cost shall be arrived at by the mathematical calculation of the unit price multiplied times the number of units 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. 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.
 6. 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.
 7. 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.
 8. 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.
 9. Each electronic bid submission must be accompanied by a COPY of the bid bond payable to the Town for ten percent (10%) of the total amount of the bid. Original bid bonds from all respondents must be mailed to the attention of the Purchasing Agent immediately (within 24 hours) following the virtual bid opening at the following address: Town of Glastonbury, PO Box 6523, Glastonbury, CT 06033-6523, Attn: Mary F. Visone, Purchasing Agent. 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.

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10. A 100% Performance and a 100% 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.
11. 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 Connecticut 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.
12. 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.
13. 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.
14. Bidder is required to review the Town of Glastonbury Code of Ethics adopted July 8, 2003 and effective August 1, 2003 and revised October 29, 2013 and effective November 28, 2013. Bidder shall acknowledge that they have reviewed the document in the area provided on the bid/proposal response page (BP-1). The selected Bidder will also be required to complete and sign an Acknowledgement Form prior to award. The Code of Ethics and the Acknowledgement Form can be accessed at the Town of Glastonbury website at www.glastonburyct.gov. Upon entering the website scroll down to click on Bids & Proposals Icon which will bring you to the links for the Code of Ethics and the Acknowledgement Form.
15. **Non-Resident Contractors:** (if applicable)
Upon award the Town is required to report names of nonresident (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. **A single surety bond for 5% of the entire contract price is required to be filed with DRS by any unverified nonresident prime or general contractor (if awarded) where the contract price for the project is \$250,000 or more.** The contractor will be required to promptly furnish to the Town a copy of the **Form AU-968 - Certificate of Compliance** issued by the State of Connecticut, DRS. See State of Connecticut **Notice SN 2012 (2).**
16. 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.
17. 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.

18. **State Prevailing Wage Rates:**

Respondents shall comply with State Statutes concerning Employment and Labor Practices, if applicable, and Section 31-53 of the Connecticut General Statutes, as amended (Prevailing Wages). Wage Rate Determination for this project from the State of Connecticut is included in the Bid Documents. Certified payrolls for site labor shall be submitted weekly to the Town's Representative or his designee on the correct State of Connecticut form (see RFP). The Town reserves the right to, without prior notice, audit payroll checks given to workers on site in order to ascertain that wages and fringe benefits are being paid as required by the State of Connecticut. Please make special note of the State requirement to adjust wage and fringe benefit rates on each July 1st following the original published rates.

NOTE that respondent is to include in its proposal all costs required by such annual increases in the PREVAILING RATES. NO escalation clauses are to be included in the respondent's proposal and NO escalation clauses will be in the Contract Agreement. Respondent is to anticipate any future increases and include these costs in the proposal response.

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.

19. Each bid shall also include a description of three similar (3) projects completed by the bidder with references to demonstrate successful experience with similar projects. Please provide project name, contact information and contract value.

20. **Compliance with Town Ordinance Prohibiting Natural Gas Waste & Oil Waste From Natural Gas Extraction Activities or Oil Extraction Activities:** If this bid is for the construction, repair or maintenance of Town owned and/or maintained roads or real property within the Town related to either (a) the purchase or acquisition of materials by the Town to be used to construct, repair or maintain any Town owned and/or maintained road or real property within the Town or (b) the performance of services for the Town to construct, repair or maintain any Town owned and/or maintained road or real property within the Town, the Bidder shall provide the following signed statement to the Town in its bid response, which shall be a certification under penalty of perjury by the Bidder:

"The undersigned Bidder, _____, hereby submits a bid for materials, equipment and/or services for the Town of Glastonbury. The bid is for bid documents titled "GL-2023-16- Police Department Fuel Station Improvements".

The undersigned Bidder hereby certifies under penalty of perjury that in connection with the bid and, if it is awarded the purchase order or contract by the Town, in connection with any purchase order or contract: (1) no materials containing natural gas waste or oil waste from natural gas extraction activities or oil extraction activities shall be provided to the Town or shall be used in providing any services to the Town by the undersigned Bidder or any contractor, sub-contractor or agent of the undersigned Bidder; (b) nor will the undersigned Bidder or any contractor,

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subcontractor or agent of the undersigned Bidder apply any natural gas waste or oil waste from natural gas extraction activities or oil extraction activities to any publicly owned and/or maintained road or real property within the Town of Glastonbury in performing its obligations under the purchase order or contract.

The undersigned Bidder hereby agrees and acknowledges that this requirement shall be a term of the purchase order or contract, if it awarded the purchase order or contract by the Town, and any breach of this provision shall be a breach of the purchase order or contract.”

21. Any technical questions regarding this bid shall be made in writing (email acceptable) and directed to Daniel A. Pennington, P.E. Town Engineer / Manager of Physical Services, 2155 Main Street, PO Box 6523, Glastonbury, CT 06033; daniel.pennington@glastonbury-ct.gov. Telephone (860) 652-7736 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, by email to the Purchasing Department at purchasing@glastonbury-ct.gov. All questions, answers, and/or addenda, as applicable, will be posted on the Town’s website at www.glastonbury-ct.gov (Upon entering the website scroll down to click on Bids & Proposals Icon, then scroll down page to see the active bid table. You must click the Bid Title to view all bid details and document links). 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.**

IMPORTANT:

- Failure to comply with general rules may result in disqualification of the Bidder.
- Municipal projects are exempt from Federal Excise Taxes, as well as, State of Connecticut Sales, Use and Service Taxes and should not be include in the Bidder’s 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. Such barriers including temporary construction fence as directed by the Engineer, shall not be measured for payment, but rather included in the general cost of the work. Temporary signage shall be measured for payment under the Construction Signs pay item.

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 Re-inspection 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 re-inspection 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 Contractor.

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.

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GENERAL CONSTRUCTION SPECIFICATIONS**

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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.

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 should meet with the Engineer to become familiar with the conditions encountered and commitments made.

01.02 The Contractor is hereby alerted to the fact that the State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 818 (Form 818) latest edition including supplements thereto dated January 2022, are the governing specifications and are to be considered part of the Contract Documents. The Form 818 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 818, the matter shall immediately be submitted to the Engineer. The Engineer shall have sole authority in resolving any discrepancies.

01.03 The project site shall generally be accessed by construction vehicles via the Main Street entrance to the extent possible. Special deliveries or oversize equipment may use the Canione Road entrance when required with approval from the Engineer/Police Department.

01.04 Access to the abutting gravel / grass overflow parking area to the east of the project site must be maintained for use by the public for little league games at the abutting baseball field. The access drive to Canione Road shall not be blocked by the Contractors equipment or materials at any time unless specifically approved in advance by the Engineer /Police Department.

01.05 A limited area for temporary staging of equipment and materials can be provided by the Police Department using parking spaces immediately east of the project area along with a portion of the grass/gravel overflow lot. Exact limits of staging area shall be agreed upon in the field in consultation with Police Department representatives.

01.05 **ALLOWABLE HOURS OF OPERATION (WORK PERIOD):** All work within this contract shall be performed Monday through Friday between the hours of 7:00AM and 5:00PM. Work on weekends or Holidays will not be allowed. The contractor is made aware that shift changes take place at 7:00AM and 3:00PM and shall adjust his work schedule to as necessary to not hinder traffic flow during shift change.

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 Bidder 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 Bidder and all of its agents, employees and sub-contractors and other providers of services and shall name the **Town of Glastonbury and the State of Connecticut and 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 Bidders Certificate of Insurance.** Insurance shall be written with insurance carriers approved in the State of Connecticut and with a minimum Best's Rating of A-VIII. 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
 - \$1,000,000 each accident/\$1,000,000 disease-policy limit/\$1,000,000 each employee
 - A Waiver of Subrogation shall be provided
- 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 vehicle
- Limit of Liability for Bodily Injury and Property Damage
Per Accident: \$1,000,000
- A Waiver of Subrogation shall be provided

d. Umbrella of Excess Liability:

- State in the Remarks Section that coverage is follow form.
- Limit of Liability Each Occurrence \$1,000,000
Aggregate \$1,000,000

e. Owner's and Contractor's Protective Liability Insurance:

With respect to the Contractor's Project operations and also those of its subcontractors, the Contractor shall carry, for and on behalf of the State and the Town of Glastonbury, insurance which shall provide coverage of at least \$1,000,000 for each accident or occurrence resulting in damages from (1) bodily injury to or death of persons and/or (2) injury to or destruction of property. Subject to that limit per accident or occurrence, the policy shall provide an aggregate coverage of at least \$2,000,000 for all pertinent damages arising during the policy period.

04.02 The Bidder shall direct its Insurer to provide a Certificate of Insurance to the Town before any work is performed. The Contractor shall be responsible to notify the Town **60 days** in advance with written notice of cancellation or non-renewal. The Certificate shall evidence all required coverage. 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 the State of Connecticut and its 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) to the extent 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.

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 no 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. Prior to any disposal, the Contractor is required to register all vehicles being utilized for disposal and obtain a permit for each vehicle from the Sanitation Department. Waste disposal guidelines for the Bulky Waste facility are published on the Town web site at the addresses shown below. Each bidder shall have reviewed and understand these guidelines prior to submitting a bid for the project.

[Bulky Waste Facility | Glastonbury, CT \(glastonburyct.gov\)](http://glastonburyct.gov/Bulky-Waste-Facility)

[WASTE DISPOSAL GUIDELINES \(glastonburyct.gov\)](http://glastonburyct.gov/WASTE-DISPOSAL-GUIDELINES)

[Refuse Disposal Permits | Glastonbury, CT \(glastonburyct.gov\)](http://glastonburyct.gov/Refuse-Disposal-Permits)

[Holiday Schedule](#)

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 Energy and 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 with respect to defects, settlements, etc. for a minimum period of one-year following the date of final acceptance of the project by the Town.

10.00 PROTECTION OF EXISTING UTILITIES

10.01 Prior to opening an excavation, effort shall be made to determine whether underground installations, (i.e., sewer, water, fuel, electric lines, etc.) will be encountered and, if so, where such underground installations are located. 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 When the excavation approaches the estimated location of such an installation, the exact location shall be determined by careful probing or hand digging, and when it is uncovered, proper supports shall be provided for the existing installation. Utility companies shall be contacted and advised of proposed work prior to the start of actual excavation.

10.03 There will be no extra payment for submitting plans or details or for any work related to supporting and protecting all existing utilities during construction.

11.00 TIME FOR COMPLETION/NOTICE TO PROCEED

11.01 The work under this Contract shall commence on the date ordered by the Engineer in the Notice to Proceed. After the work has begun, it shall continue in an orderly fashion such that all contract work is substantially completed within 60 calendar days.

Within five (5) business 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 Notice to Proceed and Purchase Order for the Project prior to initiating any work.

11.02 When the Contract time is stated on a calendar-day basis, that time shall be the number of consecutive calendar days contained in the Contract period, excluding the time period from each December 1 through the following March 31 (the "winter shutdown period"). The time will be computed as herein provided on a consecutive-day basis, including all Saturdays, Sundays, holidays, and non-work days from April 1 through November 30 of each included year. Time will not be charged for days in the winter shutdown period. If the Engineer so approves, the Contractor may work on certain tasks of the Project during the winter shutdown period with no charge being made against the Contract time. **If work during winter shut down is approved by the Town, approval may be granted with the condition that work under the items Trafficperson (Municipal Police Officer) or Trafficperson (Uniformed Flagger) will not be measured for payment, at the discretion of the Town.**

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 \$500.00 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 set included as Attachment C entitled "Plan Depicting Police Department Fuel Station Improvements", including two (2) sheets prepared by the Town of Glastonbury Engineering Division is 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 Contractor is responsible to provide stake-out of the work in accordance with the plans and specification under the item for "Construction Surveying". A bench mark will be installed near the project location for use by the contractor.

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

16.01 All salvable materials, including traffic signal equipment, 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 delivered to the Town Highway Garage located at 2380 New London Turnpike. All salvable 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 ADVANCE NOTICE: 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.

17.02 Limitations on work hours are described in the Prosecution and Progress Special Provision. The Contractor shall understand and strictly comply with these limitations. Work on weekends or during time periods other than those described above will not be permitted. No work will be allowed on designated Town Holidays unless permission is granted by the Town.

18.00 EXTRA WORK AND RETAINAGE

18.01 Extra and cost plus work shall be governed by Article 1.04.05 and Article 1.09.04 of the Form 818.

18.02 Article 1.09.06, Part A, Item 1 of the Form 818 is hereby modified as follows: Retainage shall be withheld in the amount of five (5) percent. Release of retainage shall be made upon final acceptance of the project by the Town.

19.00 SUBMITTALS AND MATERIALS TESTING

19.01 Contractor shall provide shop drawings, materials certificates, material samples, and other submittals for material testing in conformance with these specifications. A list of required submittals is located in Section 1.06- Control of Materials of these specifications.

**POLICE DEPARTMENT FUEL STATION IMPROVEMENTS
 BID PROPOSAL**

BID #GL-2023-16

TOWN OF GLASTONBURY			
BID / PROPOSAL		GL # 2023-16	
DATE ADVERTISED	7/19/2022	DATE / TIME DUE	8/11/2022 at 11:00 A.M.
NAME OF PROJECT	POLICE DEPARTMENT FUEL STATION IMPROVEMENTS		

IT IS THE RESPONSIBILITY OF THE BIDDER TO CHECK THE TOWN'S WEBSITE BEFORE SUBMITTING BID FOR ADDENDA POSTED PRIOR TO BID OPENING.

THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDA. AS REQUIRED:

Addendum #1 _____ (initial/date) Addendum #2 _____ (initial/date) Addendum #3 _____ (initial/date)

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 a copy of the Bid Bond as per Section 10 of the Information for Bidders. Original Bond to be mailed as specified herein.
- _____ 2. Included Disclosure of Past and Pending Mediation, Arbitration, and Litigation cases against the Bidder or its Principals as per Section 16 of the Information for Bidders.
- _____ 3. Included Qualifications Statement as per Section 19 of the Information for Bidders.
- _____ 4. Provided certification for Compliance with Town Ordinance Prohibiting Natural Gas Waste & Oil Waste From Natural Gas Extraction Activities or Oil Extraction Activities as per Section 20 of the Information for Bidders
- _____ 5. Checked Town web site for Addenda and acknowledged Addenda on page BP-1.
- _____ 6. Acknowledged Code of Ethics on page BP-3.
- _____ 7. Prepared ONE consolidated pdf file for on-line bid submission.

BIDDER NAME: _____

**POLICE DEPARTMENT FUEL STATION IMPROVEMENTS
 BID PROPOSAL**

BID #GL-2023-23

BIDDER NAME: _____

<u>LINE NO.</u>	<u>ITEM NO.</u>	<u>ITEM DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>EXT</u>
1	0090025 A	Demolition and Salvage	LS	1		
2	0090110 A	Aboveground 10,000 Gallon Fuel Tank	LS	1		
3	0100072 A	Removal and Disposal of Underground Tank	LS	1		
4	0100086 A	Prefabricated Steel Canopy	LS	1		
5	0219011 A	Sediment Control System at Catch Basin	EA	1		
6	0507495	Modify Existing Catch Basin	EA	1		
7	0686200.06	6" Polyvinyl Chloride Pipe- 0'-10' Deep	LF	60		
8	0815001	Bituminous Concrete Lip Curbing	LF	50		
9	0901003 A	Steel Bollard	EA	12		
10	0921006 A	5" Thick Concrete Pad	SF	27		
11	0921015 A	8" Thick Reinforced Concrete Fueling Pad	SF	450		
12	0922500 A	Bituminous Concrete Driveway (Commercial)	SY	135		
13	0944000 A	Furnishing and Placing Topsoil	SY	30		
14	0950005 A	Turf Establishment	SY	30		

TOTAL BID AMOUNT: \$ _____
 (Numeric)

WRITTEN TOTAL BID AMOUNT: _____

**POLICE DEPARTMENT FUEL STATION IMPROVEMENTS
BID PROPOSAL**

BID #GL-2023-16

BIDDER NAME: _____

Note:

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.

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.

NON-COLLUSION AFFIDAVIT:

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.

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

SPECIAL PROVISIONS

INDEX TO SPECIAL PROVISIONS

This index has been prepared for the convenience of those using this contract with the sole express purpose of locating quickly the information contained herein; and no claims shall arise due to omissions, additions, deletions, etc., as this index shall not be considered part of the contract.

SECTION	DESCRIPTION	PAGE
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	NOTICE TO CONTRACTOR – UTILITY COMPANIES	2
	SECTION 1.05 CONTROL OF WORK	3
	SECTION 1.06 CONTROL OF MATERIALS	4
	SECTION 1.07 LEGAL RELATIONS AND RESPONSIBILITIES	5
ITEM # 0090025A	DEMOLITION AND SALVAGE	8
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ITEM # 0090110A	ABOVEGROUND 10,000 GALLON FUEL TANK	12
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NOTICE TO CONTRACTOR - PROTECTION AND COORDINATION OF EXISTING UTILITIES

Existing utilities shall be maintained during construction except as specifically stated herein and/or noted on the plans and as coordinated with the utilities. The Contractor shall verify the location of underground, structure mounted and overhead utilities. Construction work within the vicinity of utilities shall be performed in accordance with current safety regulations.

The Contractor shall notify "Call Before You Dig", telephone: 8-1-1 or 1-800-922-4455 for the location of public utility, in accordance with Section 16-345 of the Regulations of the Department of Utility Control.

Representatives of the various utility companies shall be provided access to the work, by the Contractor.

Contractors are cautioned that it is their responsibility to verify locations, conditions, and field dimensions of all existing features, as actual conditions may differ from the information shown on the plans or contained elsewhere in the specifications.

The Contractor shall notify the Engineer prior to the start of work and shall be responsible for all coordination with the Town. The Contractor shall allow the Engineer complete access to the work.

The Contractor shall be liable for all damages or claims received or sustained by any persons, corporations or property in consequence of damage to the existing utilities, their appurtenances, or other facilities caused directly or indirectly by the operations of the Contractor.

Any damage to any existing private and public utility, as a result of the Contractors operations, shall be repaired to the utility's and Engineer's satisfaction at no cost to the Town or the Utilities, including all materials, labor, etc., required to complete the repairs.

The Contractor's attention is directed to the requirements of Section 1.07.13 - "Contractor's Responsibilities for Adjacent Property and Services".

Prior to opening an excavation, effort shall be made to determine whether underground installations, i.e., water, sanitary, gas, electric ducts, communication ducts, etc., will be encountered and, if so, where such underground installations are located. When the excavation approaches the estimated location of such an installation, the exact location shall be determined by careful probing or hand digging, and when it is uncovered, proper supports shall be provided for the existing installation. Utility companies shall be contacted and advised of proposed work prior to the start of actual excavation, as noted above.

The Contractor shall coordinate all utility relocations with the respective utility company. The Contractor shall notify Connecticut Natural Gas two weeks in advance of the required gas valve box adjustments as shown on the plans.

NOTICE TO CONTRACTOR – UTILITY COMPANIES

It is understood that any references in the contract documents to Northeast Utilities, CL&P and/or Yankee Gas are meant to refer to Eversource.

It is understood that any references in the contract documents to AT&T is meant to refer to Frontier Communications.

SECTION 1.05 CONTROL OF WORK

Article 1.05.05 – Cooperation by Contractor

Add the following:

Agents of various public service agencies, municipal and State Departments, and private site contractors may be entering on the work site to remove existing utilities, to construct or place new facilities or to make alterations to existing facilities.

The Contractor shall perform the work in cooperation with the various agencies in a manner which causes the least interference with the operations of the aforementioned agencies and shall have no claim for delay which may be due to, or result from, said work of these agents.

Article 1.05.06 – Cooperation with Utilities

Add the following:

Written notice shall be given by the Contractor to all public service corporations or municipal and State Officials owning or having charge of publicly or privately owned utilities 30 days in advance of the commencement of operations that will affect the utilities. The Contractor shall, at the same time, file a copy of such notice with the Engineer.

The utility company representatives listed in Section 1.07 shall be contacted by the Contractor to coordinate the protection of their utilities on this project 30 days prior to the start of any work on this project involving their utilities.

The Contractor shall make his/her own investigation to assure that no damage to existing structures, drainage lines, traffic signal conduits, and other utilities will occur as a result of construction operations.

The Contractor shall notify "Call Before You Dig" at 1-800-922-4455, 72 hours prior to disturbing ground in any way.

SECTION 1.06 CONTROL OF MATERIALS

Article 1.06.01 - Source of Supply and Quality:

Add the following:

For the following items the contractor shall submit a complete description of the item, working drawings, catalog cuts and other descriptive literature which completely illustrates such items presented for formal approval. Such approval shall not change the requirements for a certified test report and materials certificate as may be called for. All shop drawings shall be submitted at one time, unless otherwise approved by the engineer.

1. Concrete Mix Design- Concrete Slabs, and Footings
2. Wire Mesh Reinforcing
3. Rebar Reinforcing
4. Processed Stone Base
5. 6" Steel Bollards
6. Dome Top Bollard Sleeves
7. AST 10,000 Gallon Fuel Tank and Equipment
8. Reinforced Concrete Tank Support Pad Structural Design Drawings
9. Prefabricated Steel Canopy Engineered Structural Design Drawings
10. Engineered Electrical Design Drawings as necessary for building permits and fueling station construction.
11. 6" Poly Vinyl Chloride Pipe
12. Electrical Conduit including Fittings

SECTION 1.07 LEGAL RELATIONS AND RESPONSIBILITIES

Article 1.07.07 – Safety and Public Convenience

Add the following:

The Contractor shall provide the necessary access for emergency vehicles through the work zones to abutting properties at all times.

Sweeping and cleaning of surfaces beyond the limits of construction required for dust control or to clean up material caused by spillage or vehicular tracking during various phases of the work shall be considered as incidental to the work being performed under the Contract and there will be no additional compensation.

The Contractor shall notify all public safety agencies at least 48 hours prior to beginning any construction operation which will provide less than a 12 foot travel lane along any project roadway.

Article 1.07.13 - Contractor's Responsibility for Adjacent Property, Facilities and Services

Supplemented as follows:

The Contractor, in constructing or installing facilities alongside or near sewers, drains, water or gas pipes, electric or telephone conduits, poles, sidewalks, walls, vaults, or other structures shall sustain them securely in place. The Contractor shall coordinate with the officers and agents of the various utility companies and municipal departments to assure that the services of these structures are maintained. The Contractor shall also be responsible for the repair or replacement, at no additional cost to the Town, of any damage to such structures caused by construction operations. The Contractor is responsible to leave them in the same condition as they existed prior to commencement of the work. In case of damage to utilities, the Contractor shall promptly notify the utility owner and shall, if requested by the Engineer, furnish labor and equipment to work temporarily under the utility owner's direction. Pipes or other structures damaged by the operation of the Contractor may be repaired by the utility owner which suffers the loss. The cost of such repairs shall be borne by the Contractor, without compensation from the Town.

If during construction there is an existing utility and/or structure found to be in conflict with the proposed work under this Contract, the Contractor shall protect and maintain the services to the utilities and structures and shall notify the Engineer of the conflict. The Engineer will, as soon as possible, identify the utilities to be relocated or other such activities deemed suitable for resolution.

If live service connections are to be interrupted by excavations of any kind, the Contractor shall not break the service until new services are provided. Abandoned services shall be plugged off or otherwise made secure.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all of the work involved in protecting or repairing property as specified in this Section shall be included in the price paid for the various Contract items of work, and no additional compensation will be allowed.

Prior to opening an excavation, effort shall be made to determine whether underground installations, (i.e. sewer, water, fuel, electric lines, etc.) will be encountered and, if so, where such underground installations are located. When the excavation approaches the estimated location of such an installation, the exact location shall be determined by careful probing or hand digging, and when it's uncovered, proper supports shall be provided for the existing installation. Utility companies shall be contacted and advised of proposed work prior to the start of actual excavation.

UTILITY COMPANIES WITHIN THE PROJECT AREA

The following company and representative shall be contacted by the Contractor to coordinate the protection of their utilities on this project 30 days prior to the start of any work on this project involving their utilities:

Connecticut Natural Gas Corporation, Engineering Department
Mr. Jonathan Gould,
Gas Engineer
76 Meadow Street, 2nd Floor
East Hartford, CT 06108
(860) 727-3044
jgould@ctgcorp.com

Algonquin Gas Transmission Company dba Enbridge
Mr. Kenneth Ruel,
Area Supervisor
252 Shunpike Road
Cromwell, CT 06416
Phone: (860) 894-1600 EXT: 1608
kenneth.ruel@enbridge.com

Frontier Communications
Ms. Lynne DeLucia,
Manager – Engineering & Construction
1441 North Colony Road
Meriden, CT 06450-4101
Phone: 203-238-5000
Mobile: 860-967-4389
Lynne.m.delucia@ftr.com

CoxCom, Inc.
Ms. Denise Mazzoli,
Project Planner
170 Utopia Road
Manchester, CT 06042
Phone: (860) 432-5041
denise.mazzoli@cox.com

Eversource Energy - Electric Distribution
Mr. Thomas Woronik
Supervisor - Construction Engineering
22 East High Street
East Hampton, CT 06424
Phone: (860) 267-3891
thomas.woronik@eversource.com

Lighttower Fiber Networks dba Crown Castle Fiber
Mr. Eric Clark,
Manager Fiber Construction
1781 Highland Avenue, Suite 102
Cheshire, CT 06410
Phone: (203) 649-3904
Mobile: 860-863-8311
Eric.clark@crowncastle.com

Metropolitan District Commission-(MDC)
Water Distribution
Mr. Richard Norris
Utility Coordinator/Project Manager
555 Main Street
P.O. Box 800
Hartford, CT. 06142
Phone: (860) 278-7850 Extension 3450
rnorris@themdc.com

Connecticut Natural Gas Corporation
Inspections
John Bonville
76 Meadow Street, 1st Floor
East Hartford, CT 06108
Phone: (860) 982-3815

**POLICE DEPARTMENT FUEL STATION IMPROVEMENTS
SPECIAL PROVISIONS**

BID #GL-2023-16

TOWN OF GLASTONBURY

Engineering Division
2155 Main Street
Glastonbury, CT. 06033

Daniel A. Pennington, P.E.
Director of Physical Services/Town Engineer
Phone: (860) 652-7736
Email: Daniel.pennington@glastonbury-ct.gov

Engineering Division
2155 Main Street
Glastonbury, CT. 06033

Stephen M. Braun, P.E.
Assistant Town Engineer
Phone: (860) 652-7743
Email: Stephen.braun@glastonbury-ct.gov

Glastonbury Police Department
2108 Main Street
Glastonbury, CT. 06033

Police Department Watch Commander
Phone: (860) 633-8301

Glastonbury Park & Recreation
2143 Main Street
Glastonbury, CT. 06033

Lisa Zerio
Director of Parks & Recreation
Phone: (860) 652-7687
Email: lisa.zerio@glastonbury-ct.gov

Glastonbury Tree Warden
2143 Main Street
Glastonbury, CT. 06033

Gregory Foran
Superintendent of Parks and Recreation/Tree
Warden
Phone: (860) 652-7686
Email: Gregory.foran@glastonbury-ct.gov

Glastonbury Highway Department
2380 New London Turnpike
Glastonbury, CT. 06033

Charles Mahan
Physical Services Operations Manager
Phone: (860) 652-7749
Email: charles.mahan@glastonbury-ct.gov

Glastonbury Sanitation Department
2149 Main Street
Glastonbury, CT. 06033

Michael J. Bisi
Superintendent of Sanitation
Phone: (860) 652-7774
Email: Mike.Bisi@glastonbury-ct.gov

ITEM # 0090025A DEMOLITION AND SALVAGE

Description:

Work related to this item consists of the demolition, removal and disposal of various items to perform the installation of the contract work as depicted on the drawings or as directed by the Engineer. Work also consists of the removal, safe storage and re-installation of various items as part of the contract work as depicted on the drawings or as directed by the Engineer.

Materials:

The related sections of the following specifications apply to all incidental and additional material required for the proper relocation of existing equipment and the restoration of any area affected by this work.

- Division III, "Materials Section" of the Standard Specifications.
- Current Supplemental Specifications to the Standard Specifications.
- Applicable Special Provisions to the Standard Specifications.

Construction Methods:

Prior to removal of the existing UST, Contractor is required to remove and dispose of the existing fueling island concrete pad, bollards, luminaire, and existing concrete fueling pad within the project limits.

Contractor is required to abandon existing electrical service to the existing UST. All existing wiring and conduit are to be removed and disposed of.

Contractor is required to remove and dispose of the existing Veeder Root tank monitoring system and equipment. Re-use of this equipment is not required.

Contractor is responsible for removal and disposal of existing above grade fuel dispensing pump and piping per local and state regulations.

Contractor to remove and dispose of any drainage or utility structures depicted for removal on the contract drawings.

Existing shed and ramp will be removed and relocated by the Town.

Salvage Equipment:

Contractor is required to carefully remove the existing fuel management equipment pedestal for relocation and re-use. Equipment shall be stored in a safe weather tight area for future installation in the location depicted on the contract drawings or as directed by the Engineer.

Contractor shall carefully remove and store any equipment or items depicted on the plans or identified in the specifications for salvage in a safe location for future installation. Damage caused by the Contractors negligence will result in replacement at the expense of the Contractor.

All material removed from the site becomes the property of the Contractor, which assumes all liabilities associated with materials final disposition. Properly handle, transport, then dispose in a suitable dump or recycle this material. Comply with all Federal and State hazardous waste laws and regulations.

In the presence of the Engineer, verify the condition and quantity of salvage material prior to removal. After removal transport and store the material protected from moisture, dirt, and other damage. Coil and secure copper cable separate from other cable such as galvanized support strand.

**POLICE DEPARTMENT FUEL STATION IMPROVEMENTS
SPECIAL PROVISIONS**

BID #GL-2023-16

Method of Measurement:

The work will not be measured for payment, but shall be paid for according to the Contract lump sum for "Demolition and Salvage", complete and accepted.

Basis of Payment:

This work shall be paid for at the Contract Lump Sum price listed in the bid proposal for "Demolition and Salvage", which price shall include all demolition and salvage work shown on the plans and as required to complete the project, including all of the above mentioned work listed in this specification and as required to meet all applicable, Federal, State and Local Regulations, including all labor, equipment, tools, and materials.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0090025A	DEMOLITION AND SALVAGE	LS

ITEM # 0100072A REMOVAL AND DISPOSAL OF UNDERGROUND TANK

Description:

Work under this item includes the removal and disposal of the existing 10,000 gallon underground gasoline storage tank (UST) as shown according to applicable Federal, State, and Town regulations.

A Permit from the Town Fire Marshal shall be obtained for tank removal prior to initiating any tank removal. All conditions of approval from the Town Fire Marshal and Town Building Official shall be considered included with the work associated with this pay item.

Construction Methods:

The Contractor shall remove and dispose of an existing 10,000 gallon UST as shown on the plans and in accordance with all relevant Federal, State, and Local regulations. Contractor shall obtain necessary permits, including coordination with the local Building Official and the Fire Marshal, and shall complete the UST Notification Forms as required by Connecticut Department of Energy and Environmental Protection (CTDEEP).

The Contractor shall pump all tanks dry of their contents prior to any demolition work. The Contractor shall locate, excavate, and dispose of all tanks and connected piping in a safe and workmanlike manner and in accordance with the applicable regulations.

The tank shall be pumped dry of any waste product or sludge and interior vapors shall be completely purged with dry ice as directed by the Fire Marshal. The tank shall then be carefully removed and disposed of at an approved recycling facility and a certificate of disposal provided. The tank shall be removed in one piece and delivered to the approved disposal facility. No cutting of the tank is permitted onsite.

Excavated soil shall be field screened for volatile organic compounds (VOC's) using a photo-ionization detector (PID).

Soil samples from the tank grave shall be collected and delivered to a Connecticut-approved laboratory for testing per CTDEEP Sampling and Analytical Methods for Underground Storage Tank Closure. Five (5) soil samples shall be analyzed by method CTEPH and one (1) sample tested for volatile organic compounds and MTBE in accordance with EPA method 8260, or other testing as required by the above mentioned CTDEEP procedures.

The tank grave shall be backfilled to grade and compacted.

A close out report shall be prepared and submitted that documents the work performed, certificate of disposal for the tank including manifest, and laboratory test results.

Method of Measurement:

The work will not be measured for payment, but shall be paid for according to the Contract lump sum for "Removal and Disposal of Underground Tank", complete and accepted.

Basis of Payment:

This work shall be paid for at the Contract Lump Sum price listed in the bid proposal for "Removal and Disposal of 10,000 Gallon UST", which price shall include all of the above mentioned work listed in this specification and as required to meet all applicable, Federal, State and Local Regulations, including all labor, equipment, tools, and materials.

Any work necessary to address contamination of soil surrounding the tank, if required, will be handled as extra work on a time and materials basis as long as such contamination was not caused by Contractor error or negligence.

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<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0100072A	REMOVAL AND DISPOSAL OF UNDERGROUND TANK	LS

ITEM # 0090110A ABOVEGROUND 10,000 GALLON FUEL TANK

Description:

Work under this item shall consist of providing and installing a ConVault 10,000 gallon aboveground fuel tank system or approved equal which carries listing and label under U.L. Standard 2085, Aboveground Tanks, Protected Type, Secondary Containment with Vehicle Impact and Projectile Resistance. Unit must comply with all provisions of U.F.C. 79-7, appendix A-II-F. The tank system and its enclosure shall be a completed unit at the factory (shop fabricated). The tank system shall be approved for Phase I and Phase II vapor recovery by the California Air Resources Board for gasoline and methanol.

Also included under this item is the design and construction of the reinforced concrete tank support pad, providing and installing a shelf mounted fuel dispenser with pump, providing and installing galvanized access steps for access to the top of the tank, installation and integration of an existing fuel management system terminal, all electrical and other design drawings necessary for building permits, installation of all conduit and wiring, and all other related work necessary for a fully functioning fuel delivery system.

Design and construction of a prefabricated steel canopy with associated footing and illumination is included under a separate pay item.

Submittals:

Shop Drawings: Submit the following for approval:

- a. 10,000 gallon aboveground fuel tank manufacturer's literature, illustrations, specifications, engineering data, and equipment warrantee documentation.
- b. Detailed structural drawings for the reinforced concrete tank support pad stamped by a Connecticut Licensed Professional Engineer including dimensions, concrete and steel reinforcement requirements.
- c. Performance data for fuel pump(s).
- d. Drawings showing fabrication methods, assembly accessories, installation, details, wiring diagrams.
- e. Signing plan for the fuel station depicting all signage as required by state and local code.
- f. Detailed electrical design drawings suitable for electrical permits and construction.

Materials:

Fuel Tank:

Tank and concrete vault shall be shop fabricated as one unit at factory and require no assembly, construction or completion at installation site.

Primary Tank: The primary tank shall be rectangular in shape and have continuous welds on all sides conforming to The American Welding Society Standard for Continuous Weld. The primary tank shall be minimum 0.125 inch thick carbon steel approved per U.L. Standard 142. The tank shall be warranted for 20 years by the manufacturer.

A. Steel tank shall be manufactured in accordance with U.L. 142.

B. Steel tank shall be rectangular in shape and have continuous welds on all sides conforming to The American Welding Society Standard for Continuous Weld.

- C. Steel Tank shall be pressure tested at 5 psi for 24 hours.
- D. Steel tank shall have emergency vent as required by N.F.P.A. 30.
- E. Steel tank openings shall be threaded, including detector tube.
- F. Outer surface of steel tank shall be covered by ¼ inch minimum thick insulating spacer panels of polystyrene which melts on contact with leaking petroleum products.
- G. Secondary containment shall consist of a 30 mil. non-permeable high density polyethylene liner enclosing the polystyrene spacer panels.
- H. Steel tank shall be pressurized to 5 psi until concrete sets to provide expansion space between concrete and steel tank during use.
- I. Steel tank shall be supported by internal bracing.
- J. No steel or insulating spacer panels in unit shall come in direct contact with concrete or any other corrosive material with the exception of tank top openings which must be schedule 40 steel pipe.

Concrete Encasement: The concrete encasement shall be 6 inches thick with minimum design strength of 5,000 psi. The concrete design shall include the following for long-term durability; less than 3% air entrainment, water-reducing admixture, rebar reinforcement. Vault shall be a coated concrete exterior and of a continuous and visually verifiable monolithic (seamless) pour on top, bottom and sides of steel tank and contain no cold joints or heat sinks (heat transfer points) on bottom and sides. The steel tank shall be pressurized at 5 psi during concrete encasement.

- A. Steel tank and secondary containment shall be encased in homogenous layer of a minimum 5,000 psi factory poured reinforced concrete 6 inches thick with no penetrating metal elements except at the top.
- B. Vault shall be of a continuous and visually verifiable monolithic (seamless) pour on top, bottom and sides of steel tank and contain no cold joints or heat sinks (heat transfer points) on bottom and sides.
- C. Vault shall have the capability of physical monitoring between primary and secondary containment.
- D. Vaulted tank shall be tested in accordance with U.L. Standard 1709 and shown to have a two hour fire wall as mandated by the Uniform Fire Code.
- E. Complete tank and vault assembly including secondary containment U.L. 2085 for insulated and protected tanks.

Fire Resistance: The tank system shall be designed and tested to provide 2 hour fire protection for the primary tank. No Steel members shall penetrate the walls or floor of the concrete encasement to assure isolation from pool fire heat. The fire resistance of the tank shall be tested in accordance with the procedure established in U.L. 1709 by Warnock-Hersey International, a certified fire testing facility. The monolithic concrete construction provides a 2 hour fire protection rating and is listed in accordance with Underwriters Laboratory subject 2085. The U.L. subject 2085 listing establishes not only fire protection, but also resistance to impact, bullet resistance and environmental resistance.

Thermal and Corrosion Protection: The tank construction shall include thermal insulation to protect against temperature extremes and corrosion by isolating the steel tank from the concrete. No steel or insulating spacer in unit shall come in direct contact with concrete or any other corrosive material.

Secondary Containment with Leak Monitoring: The tank system shall include an impervious barrier to contain leaks from the primary tank. A leak detection access tube shall be located between the inner tank and secondary barrier. In the event of a leak, a positive space shall be available to permit leaked fluid to flow to the detection tube.

Spill/Overfill Containment: The tank system shall include a minimum 7 gallon internal overfill/spill containment surrounding the fill pipe, which is U.L. Listed. The overfill/spill container shall include a normally-closed plunger valve to release spilled product into the main tank. The remote fill box shall be mounted directly to the exterior of the tank. Remote fill box: Model ARFP-3 stainless steel remote fill box with wall mount flange as manufactured by Fairfield Industries.

Overfill Protection: Overfill protection shall be provided by one or more of the following methods: a) direct reading level gauge visible from fill pipe access; b) valve rated for pressurized delivery located within fill pipe to close automatically at 95% full level; c) audible/visual high-level alarm.

Venting: Tank system shall include a 2" atmospheric vent and emergency venting in accordance with N.F.P.A. 30.

Support Legs: Tank shall have concrete support legs of unitized monolithic construction raising the concrete enclosure a minimum of 3" above the ground to provide visual inspection capability.

Anti-spill Valves: Where produce piping extends below the top of the tank, the piping shall include a shutoff valve and normally closed safety valve. The safety valve shall be an approved anti-siphon valve or electric solenoid valve.

Exterior Finish: The concrete exterior of the tank shall be vacuum coated using a two-part water based epoxy paint to protect the tanks from the inclement weather conditions. Alternatively, concrete exterior may be finished in exposed aggregate with a clear coat of sealant if elected by the Town. All nipples protruding from the tank shall be powder-coated to protect them from corrosion.

Signage: Fueling station signage shall be provide in accordance with all state and local codes and as directed by the Town Fire Marshal. Tank shall be marked on all sides as per state and local codes. Tan mounted signs will be recessed in concrete exterior to insure against damage during off-loading, refilling or general functions.

High Explosive (HE) Blast Resistance: The tank system design shall be the subject of a Blast Effects Analysis (BEA) for resistance under the following blast load scenarios: 1) a 50-pound HE man-portable improvised explosive device (MPIED) at the standoff distance of 5 feet; 2) a 500-pound HE vehicle-born improvised explosive device (VBIED) at the standoff distance of 20 feet; and 3) a vapor cloud explosion (VCE) with a load of 10 psi. The BEA shall conclude that the tank system will resist the explosion loads and remain intact, without failure of the primary tank or expectation of leakage. Movement of the tank shall not exceed 2 inches.

Reinforced Concrete Tank Support Pad

Concrete: Shall be 5,000 PSI minimum. An approved air-entraining admixture shall be used to entrain 5% to 7% air in the concrete.

Reinforcing Steel: Reinforcing steel shall comply with ASTM A615 Grade 60 or ASTM A706 Grade 60. Bar bending and placement shall comply with latest ACI standards.

Concrete Curing Compound / Sealer: All concrete surfaces shall be treated using an approved curing compound / sealer which contains water and road salt resistance additives or approved equal meeting ASTM C309, Type 1, Class A and B. Approved products include the following: Repel 100 by Kingdom Products, Cureshield EX by SpecChem, and Silencure SRT by ChemMasters.

Processed Stone Base: Tank support pad shall be set on a minimum 12" thick layer of processed stone base or as indicated in the P.E. stamped structural design drawings to be provided under this item. This material shall be **crushed trap rock** conforming to the requirements of Article M.05.01 Processed Aggregate Base and Pavement of the Form 818, except that coarse aggregate shall be broken stone, and

fine aggregate shall be stone sand, screenings, or a combination thereof. Gravel or reclaimed miscellaneous aggregate shall not be used.

Self-Mount Fuel Dispensers:

Dispensers: (1) Wayne S-1 shelf mounted fleet fuel dispenser with mounting brackets and filters or approved equal.

Submersible Pump: (1) FE Petro STP75-VL2 with STP-CBS control boxes and full port ball valves or approved equal.

Solenoid Valve with Thermal Pressure Relief: (1) Two-way electrically operated, normally closed diaphragm valve to prevent accidental siphoning of fuel in the case of a leak or break in the fuel line, provide Model No. 821-0150AC with Model No. 82RV relief valve as manufactured by OPW or approved equal.

Overfill Prevention Valve: Model No. 61FSTOP as manufactured by OPW, Co. or approved equal.

Mechanical Tank Gauge: Morrison Brothers 818f clock gage or approved equal.

Emergency Shear Valve: OPW 10 BU-5725 1 1/2" diameter shear valve or approved equal.

Gasoline Hose and Nozzle: VST 22341481-301, 3/4" x 10'6" curb hose with OPW 241TPS-0241, 3/4" diameter hose swivel, 66V-0300, 3/4" diameter hose breakaway, 66H-0075, 3/4" diameter whip hose, and OPW 11AP-0400, unleaded automatic nozzle or approved equal.

Fuel Piping: 1 1/2" diameter Schedule 40 black pipe with malleable fittings for the gasoline fuel facility. Piping shall be tested in accordance with all local, state, and federal requirements and painted prior to being put into service.

Fuel Management System:

Fuel Management System: Install and integrate existing fuel management system into new fueling station.

Electrical:

All new underground/aboveground conduit shall be rigid metal conduit (RMC) installed in the locations and in conformance with the electrical design plans and details to be provided under this item. New conduit is to be provided from the existing building to the new fueling facility. These conduits will be run to the new pumps, dispensers, canopy lights, fuel management system, and emergency shut-off.

Rigid Metal Conduit (RMC) and fittings shall be galvanized steel. Each section of conduit shall be labeled as UL listed, and shall meet the requirements of the latest UL and ANSI standards for Rigid Metal Conduit. Set-screw or compression fittings shall not be used.

All wiring shall be installed to meet Article 514 for Hazardous Location installations. Wire type, size and location to conform to the electrical design plans and details.

Access Steps:

Access Steps: Access steps shall be 2' 6" wide x 6' 4" tall constructed of galvanized steel with handrails. Stairs to be installed adjacent to the tank fill port.

Construction Methods:

Electrical Work:

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Electrical design necessary for construction and building permits is the responsibility of the contractor and included in the work.

Electrical work shall be in accordance with local codes and shall be rated for hazardous area as required.

Provide new circuit breakers on the (4) circuits for the following:

- a. 1- Submersible fuel pump, 20 amp, 2 pole
- b. 1-Dispenser, 20 amp, single pole
- c. 1-Fuel Management System, 20 amp, single pole
- d. 1-Canopy Lights, 20 amp, 2-Pole

Provide all new underground/aboveground conduits (rigid galvanized) and wiring from the building to the new fueling facility. These conduits will be run to the new pumps, dispensers, canopy lights, and fuel management system.

Contractor to be responsible for the routing and layout of the electrical conduits to provide a functioning system with the equipment specified.

All wiring shall be installed to meet Article 514 for Hazardous Location installations.

Provide labeling and identification of all conduits and equipment.

Provide all of the aboveground conduits to complete the fueling system on the equipment at the tank area.

Provide the power and low voltage control wiring for the fuel management system.

Provide (2) spare conduits from the building to the tank area for future convenience.

Provide an emergency pump stop switch and associated electrical work as shown on the Contract Drawing.

All wiring to be performed in accordance with applicable federal, state, local, and NFPA regulations and codes.

Reinforced Concrete Tank Support Pad:

The reinforced concrete pad for supporting the tank shall measure 8' x 28'-7" x 12" thick minimum or as per P.E. stamped structural design drawings provided by the Contractor under this item.

Excavate to grades necessary for installation of the concrete pad and processed stone base. Install process stone base in two lifts and compact each lift to 95% density.

Adjust the slab elevation in accordance with the existing and proposed grades to allow for water to drain to the surrounding area.

Fuel Tank:

Verify concrete slab, site work and electrical conduits and stub outs are complete and ready to receive unit.

The tank system including accessories shall be installed in strict accordance with the manufacturer's recommendations and applicable fire and environmental codes. All state and local permits shall be obtained by contractor prior to installation.

Tank shall be installed on the reinforced concrete support slab beneath the existing canopy. Protective bollards shall be installed on sides exposed to vehicles in the locations depicted on the plans and in accordance with state and local codes.

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Tanks shall be marked on all sides with warning signs: "FLAMMABLE", "NO SMOKING", product identification, and other signs as required by applicable codes.

Dispensers to be equipped with the necessary equipment (pulsars, etc.) for use with a computerized fuel dispensing system. Unleaded pump to be a Wayne model S-1 shelf-mounted fleet fuel dispenser with mounting brackets and filters or approved equal.

Dispensers to be equipped with reset register reading on front of pump showing 1,000 gallon delivery and a 1,000,000 gallon totalizer.

Gasoline pump shall have a ¾ inch by 10' 6" foot hose equipped with automatic shut off nozzles.

All hoses to have separate hose retrievers which are not part of the pump dispenser.

Vendor to supply and install all necessary pumps/dispensers, piping, valves, etc, for complete installation of pumps.

Vendor to supply and install all necessary piping, and equipment for tank vent.

Method of Measurement:

The work will not be measured for payment, but shall be paid for according to the Contract lump sum for "Above Ground 10,000 Gallon Fuel Tank", complete and accepted.

Basis of Payment:

The work under this item shall be at the contract lump sum price. Work under this item shall include all materials, labor, tools and equipment for a complete tank and fuel delivery system installation in accordance with the project plans and specifications, all applicable codes, and manufacturer installation recommendations. Work under this item also includes preparation and submittal of detailed electrical design drawings, preparation and submittal of P.E. stamped drawings for the reinforced concrete tank support pad, furnishing and installing electrical conduits and wire, all excavation and backfill for conduit and support pad installation, tank delivery and off-loading, pump/dispenser/hose installation, etc., necessary for a fully functional ready to use unit. Contractor is responsible for obtaining all necessary permits for this installation and must provide the owner with manufacturer certification indicating compliance with installation requirements. Contractor must test each unit in accordance with manufacturer recommendations and provide manufacturer certifications of acceptability.

Any work not specifically mentioned but necessary for the complete and correct installation of the above-ground fuel storage tank and functional/code compliant fuel delivery system shall be included in this item.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0090110A	ABOVEGROUND 10,000 GALLON FUEL TANK	LS

ITEM # 0100086A PREFABRICATED STEEL CANOPY

Description:

The work required under this item shall consist of designing, furnishing and installing a 20' wide x 24' long prefabricated steel canopy with (1) square column and associated concrete footing in the locations and to the dimensions and details shown on the plans and in accordance with these specifications or as directed by the Engineer. Related electrical work for canopy illumination and plumbing for internal gutter drain piping is also included in this item.

Submittals:

Furnish Connecticut P.E. stamped Engineered Drawings, specifications, and details for the canopy and concrete footing as required for compliance with this specification and with all requirements of the Town Building Official necessary for issuance of a building permit.

Materials:

Canopy to feature 36" tall ACM fascia, color to be determined by the Town, 16' clear height, and internal drains with collectors.

Structural Steel Components: Shall conform to the following requirements:

1. Columns:
 - a. Structural steel tubing shall be used
 - b. Square steel tube to be ASTM A500 Grade B, minimum yield strength 46 ksi.
 - c. Round steel tube to be ASTM A500 Grade B, minimum yield 42 ksi.
 - d. Size to meet or exceed specified project design load requirements.
 - e. Provide each column with a 4" electrical access opening and cover plate.
 - f. Galvanized and powder coated, color TBD by the Town.
2. Base Plates:
 - a. ASTM A572, Grade 50 plate to be a minimum $\frac{3}{4}$ " thickness with welded gussets. Shop fabricated with pre-punched or pre-drilled bolt holes.
3. Top Plates:
 - a. ASTM A572, Grade 50 plate to be a minimum $\frac{3}{4}$ " thickness with welded gussets. Shop fabricated with pre-punched or pre-drilled bolt holes.
4. Structural Framing:
 - a. ASTM A992, 50 ksi wide-flange steel beams shall be used.
5. Structural Connections:
 - a. ASTM A36, structural steel for miscellaneous plates and angles.
 - b. All framing members shall be shop fabricated for bolted field assembly.
 - c. Domestic ASTM A325 high strength bolts shall be used. All ASTM A325 bolts shall be installed per RSCS Specification for Structural Joints, contained in part 16. Specifications and Codes of the AISC Steel Construction Manual, latest edition.
 - d. Flange and purlin bracing where required.
6. Anchor Bolts:
 - a. ASTM F1554, Grade 55 hex head bolt with a minimum yield strength of 55 ksi.
 - b. 1 $\frac{1}{4}$ " diameter x 30" long standard bolt with hex head embedded in concrete footer.
 - c. Threaded projection above footing shall be 7".
 - d. Double nuts and washers for each bolt shall be provided' one set to be used for plumbing and leveling.

- e. Templates for setting anchor bolts shall be provided.
 - f. Templates shall be removed before setting column on foundation.
7. Deck Panels:
- a. ASTM A792, Galvalume having an AZ50 aluminum-zinc coated surface, minimum yield strength of 50 ksi.
 - b. 20 gauge, 16" wide x 3" deep steel panels.
 - c. Panels are fastened to the wide-flanged beams with an engineered screw type clamp and lock nut system.
 - d. No splicing of deck panels will be allowed.
 - e. Panels shall have a finish side coated with a full coat of polyester paint baked on over an epoxy primer. A white wash coat of polyester paint over an epoxy primer shall protect the reverse side.
 - f. Panels to be manufactured in sufficient length to avoid unnecessary center gutters.
8. Facia: ACM Panels:
- a. Aluminum composite material, of varying thickness, is a sandwich panel consisting of 2 aluminum sheets bonded to a polyethylene core.
- Facia Attachment Systems:
- a. Fascia support braces to be 20 gauge galvanized steel. Braces are formed into a C-channel 1 1/2" wide x 1 1/4" deep x 10' long.

Concrete: The concrete furnished shall conform with respect to composition, transportation, mixing and placing, to 4,400 PSI Concrete, as specified by the State of Connecticut Department of Transportation in its latest specification and revisions. An approved air-entraining admixture shall be used to entrain 5% to 7% air in the concrete.

Canopy Lighting: Provide and install two (2) 96 watt canopy lights complete with the required electrical work. Lighting shall include provisions for automatic control of light

Construction Methods:

- 1. Provide and install a 20' wide x 24' long canopy with (1) square column.
- 2. Provide and install (1) column footing complete with provisions for electrical conduits and gutter drains.
- 3. Contractor shall be responsible for the routing and layout of the electrical conduits to provide a functioning system.
- 4. Complete the canopy installation with the grouting of the column base plates.

Method of Measurement:

The work will not be measured for payment, but shall be paid for according to the Contract lump sum for "Prefabricated Steel Canopy", complete and accepted.

Basis of Payment:

"Prefabricated Steel Canopy" shall be paid for at the contract lump sum price. The unit price shall include preparation and submittal of P.E. stamped engineered drawings, excavation, furnishing and installing concrete footing with associated excavation and backfill, furnish and install fuel storage tank canopy roof structure, electrical conduits, electrical wire, canopy lights, including all other labor, equipment, and materials incidentals necessary to complete the work described.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0100086A	PREFABRICATED SEEL CANOPY	LS

ITEM # 0219011A SEDIMENT CONTROL SYSTEM AT CATCH BASIN

Description:

This work shall consist of furnishing, installing, maintaining, cleaning, and removing a sediment control sack for control of sediment entering catch basins within the project area as directed by the Engineer or as shown on the contract drawings.

Materials:

Sediment control sacks shall be the "Siltsack" product as manufactured by ACF Environmental or approved equal. Curb inlet (Type 'C') catch basins shall use a "Type B – High Flow" siltsack (with gutter deflector) without the optional overflow. Flat top (Type C-L) catch basin shall use a "Type A – High Flow" siltsack without the optional overflow.

Sediment control sack shall be manufactured from a specially designed woven polypropylene geotextile and sewn using high strength nylon thread. The sediment control sack shall be manufactured to fit the opening of the catch basin or drop inlet to be protected. Sediment control sack shall have the following features: two dump straps attached at the bottom to facilitate emptying; lifting loops shall be included as an integral part of the system to be used to lift the sedimentation control sack from the basin; sediment control sack shall have a restraint cord approximately halfway up the sack to keep the sides away from the catch basin walls, this yellow cord is also a visual means of indicating when the sack should be emptied. Once the strap is covered with sediment, sediment control sack should be emptied, cleaned and placed back into the basin.

Construction Methods:

To install the sediment control sack in the catch basin, remove the grate and place the sack in the opening. Hold out approximately six inches of the sack outside the frame. This is the area of the lifting straps. Replace the grate to hold the sack in place.

When the restraint cord is no longer visible, the sediment control sack is full and should be emptied.

To remove the sediment control sack, take two pieces of 1" diameter rebar and place through the lifting loops on each side of the sack.

To empty the sediment control sack, place it where the contents will be collected. Place the rebar through the lift straps (connected to the bottom of the sack) and lift. This will turn the sedimentation control sack inside out and empty the contents which shall be properly disposed of by the Contractor. Return the sedimentation control sack to its original shape and place back in the basin.

The sediment control sack is reusable. Once the construction cycle is complete, the sedimentation control sack shall be removed from the basin and cleaned.

Basis of Payment:

Sediment control sacks shall be paid for at the contract unit price for "Sedimentation Control System at Catch Basin" as listed in the Bid Proposal for each unit provided and installed. Maintenance of the sediment control sacks, removal and proper disposal of accumulated sediment, and cleaning after completion of construction as described herein shall also to be included in this bid price.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0219011A	SEDIMENT CONTROL SYSTEM AT CATCH BASIN	EA.

ITEM # 0901003A STEEL BOLLARD

Description:

The work required under this item shall consist of furnishing and installing 6" diameter steel bollards placed in a concrete footing equipped with an HDPE dome top bollard cover in the locations and to the dimensions and details shown on the plans and in accordance with these specifications or as directed by the Engineer.

Materials:

Steel Bollard: Steel bollard shall be 6" diameter Schedule 80 steel conforming to ASTM 500 B structural grade steel painted primer red.

Concrete: The concrete furnished shall conform with respect to composition, transportation, mixing and placing, to 3,300 PSI concrete, as specified by the State of Connecticut Department of Transportation in its latest specification and revisions. An approved air-entraining admixture shall be used to entrain 5% to 7% air in the concrete.

Dome Top Bollard Cover: Dome Top Bollard cover shall be constructed of smooth sided HDPE that have excellent stiffness, impact strength and UV resistance characteristics. Product must provide a guaranteed 5-year fade resistant warrantee. Color shall be Yellow.

Construction Methods:

Contractor is required to mark the location of each bollard prior to construction. Bollard installation within pavement areas will require a minimum 3' x 3' square pavement cut and removal prior to excavation.

Auger diameter required for the bollard footing shall be 4 times the steel bollard diameter. Bollard footing depth of excavation shall conform to the contract drawings and details or as directed by the Engineer.

Contractor is responsible to install all bollards vertically plumb and at a consistent level height. Steel bollard shall be installed to the depth and height depicted on the contract drawings and details. Temporary shoring will be required for each bollard to perform placement of the concrete required for the footing. Shoring shall remain in place until concrete footing has fully cured.

Contractor is required to fill the inside of each steel bollard with concrete by means of a funnel or scoop to the elevation of the top of the bollard. Excess concrete spillage remaining on the steel bollard after completion shall be thoroughly cleaned.

Steel bollard exterior surface shall be properly prepared prior to primer painting. Primer painting shall require two coats.

Contractor is required to furnish and install a Dome Top Bollard Cover over each steel bollard. Modifications to the bollard cover height may be required prior to installation. Bollard covers shall be installed per the manufacture's specifications.

Method of Measurement:

Steel Bollard will be measured by the actual number of each completed and accepted Steel Bollard.

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Basis for Payment:

“Steel Bollard” will be paid for at the contract unit price per each, complete in place, which price shall include all required excavation and disposal of surplus material, furnishing and installing concrete footing, temporary shoring, concrete filling of bollards, backfilling, compaction, preparation and primer painting, furnishing and installing dome top bollard covers, all equipment, tools, materials and labor incidental thereto.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0901003A	STEEL BOLLARD	EA.

ITEM # 0921006A 5" THICK CONCRETE PAD
ITEM # 0921015A 8" THICK REINFORCED CONCRETE FUELING PAD

Description:

The work required under these items shall consist of the construction of an 5" Thick Concrete Pad to support the galvanized access steps and an 8" Thick Reinforced Concrete Fueling Pad placed on a compacted process stone base in the locations and to the dimensions and elevations shown on the plans and details in accordance with these specifications or as directed by the Engineer.

Materials:

Processed Stone Base: The material for this item shall be **crushed trap rock** conforming to the requirements of Article M.05.01 Processed Aggregate Base and Pavement of the Form 818, except that coarse aggregate shall be broken stone, and fine aggregate shall be stone sand, screenings, or a combination thereof. Gravel or reclaimed miscellaneous aggregate shall not be used.

Forms: The forms used shall be five-inch or eight-inch steel or 2" x 5", 2" x 8" or full dimension wood firmly supported and staked to the line and grade described on the plans. The forms shall be free from warp and shall be of sufficient strength to resist springing out of shape. All forms shall be cleaned and oiled before use.

Reinforcing Steel: Reinforcing steel for the 8"-thick concrete pad shall comply with ASTM A615 Grade 60 or ASTM A706 Grade 60. Bar bending and placement shall comply with latest ACI standards.

Concrete: The concrete furnished shall conform with respect to composition, transportation, mixing and placing, to 4,400 PSI concrete, as specified by the State of Connecticut Department of Transportation in its latest specification and revisions. An approved air-entraining admixture shall be used to entrain 5% to 7% air in the concrete.

Concrete Curing Compound / Sealer: All concrete sidewalks shall be treated using an approved curing compound / sealer which contains water and road salt resistance additives or approved equal meeting ASTM C309, Type 1, Class A and B. Approved products include the following: Repel 100 by Kingdom Products, Cureshield EX by SpecChem, and Silencure SRT by ChemMasters.

Construction Methods:

Limits of Disturbance: The Contractor is to exercise caution to prevent unnecessary damage to lawns, trees, bushes, or any other existing improvements. If, in the opinion of the Engineer, existing improvements are damaged due to the carelessness of the Contractor, the same shall be repaired or replaced at the Contractor's expense.

Earthwork: The Contractor shall remove and dispose of grass, rubbish, and other objectionable materials within the limits of the concrete pad construction areas. The Contractor shall perform all excavation necessary within the grading limits to support and construct concrete pads to the lines and grades as shown on the plans and cross sections or as directed by the Engineer. Excavation shall include sawcutting, removal and disposal of bituminous concrete, existing concrete sidewalks, existing concrete sidewalk ramps, driveways and pavements, including curbing and tree roots, where necessary, due to concrete pad grade and as shown on the plans or as directed by the Engineer. The Contractor shall remove and dispose of all excess material.

Suitable excavated material shall be re-used within the project limits as directed by the Engineer.

Processed Stone Base Installation: The processed stone base course shall be spread upon the prepared subgrade to such depth as to give a compacted thickness depicted on the contract drawings and details. The material shall be uniformly spread in two layers of equal depth in the entire base course excavation

and each layer shall be wetted and compacted to a firm even surface with a roller weighing not less than 500 pounds or by use of pneumatic tampers or vibratory compactors.

Concrete Work: The surface finish shall be struck off, forcing coarse aggregate below mortar surface. After strike-off, the surface shall be worked and floated with a wooded, aluminum, or magnesium float followed by steel troweling. The Concrete Pads shall then be broomed cross-wise with a fine hair broom.

The 8" Reinforced Concrete Fueling Pad shall have four (4)- ¾" wide and deep grooved surface along the outer perimeter of the concrete fueling pad to be utilized for spill containment as depicted on the contract drawings and details. The outside edges of the pad shall be edged with a ¼-inch radius tool. All edging lines shall be removed.

Curing Compound / Sealer Application: The Contractor shall apply the approved curing compound / sealer using a 3/8" nap roller or low pressure sprayer at a rate of 200 to 300 square feet per gallon and according to manufacturer installation instructions or as directed by the Engineer. Concrete surface shall be clean and free of any surface contaminants when applying sealer. When applying sealer to fresh concrete the bleed water must be off the surface as this water can inhibit proper function of the sealer. Any areas where the sealer puddles shall be immediately spread to other areas where absorption can occur to avoid undesirable appearance of finished surface. Sealer shall not be applied if rain is forecast within 24 hours, or if ambient temperature at the time of application is below 50 degrees or above 80 degrees Fahrenheit, or as directed by the Engineer.

Newly constructed concrete surfaces shall be protected from all foot or vehicular traffic for a period of seven days. The Contractor shall have on the job, at all times, sufficient polyethylene film or waterproof paper to provide complete coverage in the event of rain.

Temperature: No concrete is to be placed when air temperature is below 40°F, or at 45°F and falling, unless prior approval is given by the Engineer. In the event weather conditions may be such that concrete that is not completely cured is subject to freezing, the Contractor shall provide a minimum of a six-inch layer of hay, straw, or thermal blankets for protection. Any concrete laid during cold weather that is damaged by freezing shall be the responsibility of the Contractor and shall be replaced at his expense.

Final Grading: Upon completion of the concrete pad construction, the Contractor is to re-grade the areas between the concrete pad. The Contractor shall backfill and compact these areas so as to create a smooth transition. The upper four inches of the backfill shall be loam or topsoil where applicable, loose and friable and free of sticks, rocks, roots, weeds, or other unsuitable material.

Method of Measurement:

5" Thick Concrete Pad will be measured by the actual number of square feet of completed and accepted 5" Thick Concrete Pad.

8" Thick Reinforced Concrete Pad will be measured by the actual number of square feet of completed and accepted 8" Thick Reinforced Concrete Pad.

Excavation: Excavation below the finished grade required for the 5" Concrete Pad and 8" Reinforced Concrete Fueling Pad, backfilling, and disposal of all surplus materials required within the grading limits to support and construct the concrete pads to the lines and grades as shown on the plans and cross sections will not be measured for payment; but the cost shall be included in the price bid for the above mentioned items.

Processed Stone Base Course: This work will not be measured for payment but the cost shall be included in the price bid for the above mentioned items.

Curing Compound/Sealer: This work will not be measured for payment but the cost shall be included in the price bid for the above mentioned items.

**POLICE DEPARTMENT FUEL STATION IMPROVEMENTS
SPECIAL PROVISIONS**

BID #GL-2023-16

Basis of Payment:

“5” Thick Concrete Pad” will be paid for at the contract unit price per square foot, complete in place, and accepted, which price shall include all required excavation and disposal of surplus material, furnishing and install forms, processed stone base, compaction, furnishing and installing concrete, finishing, curing compound/sealer, backfill, all equipment, tools, materials and labor incidental thereto.

“8” Thick Reinforced Concrete Fueling Pad” will be paid for at the contract unit price per square foot, complete in place, and accepted, which price shall include all required excavation and disposal of surplus material, furnishing and install forms, processed stone base, compaction, furnishing and installing reinforcing steel, furnishing and installing concrete, finishing, curing compound/sealer, backfill, all equipment, tools, materials and labor incidental thereto.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0921006A	5” THICK CONCRETE PAD	S.F.
0921015A	8” THICK REINFORCED CONCRETE FUELING PAD	S.F.

ITEM # 0922500A BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)

This item shall conform to Section 9.22 BITUMINOUS CONCRETE SIDEWALK, BITUMINOUS CONCRETE DRIVEWAY, of the Form 818, amended as follows:

Description:

This item shall consist of bituminous concrete driveway constructed on a processed stone base course in the locations and to the dimensions and details shown on the plans or as directed by the Engineer and in accordance with these specifications. This item shall also include the saw cutting, removal and disposal of existing bituminous pavement necessary for driveway replacement work.

Materials: Materials for this work shall conform to the following requirements:

Processed Stone Base Course: The material for this item shall be **crushed trap rock** conforming to the requirements of Article M.05.01 Processed Aggregate Base and Pavement of the Form 818, except that coarse aggregate shall be broken stone, and fine aggregate shall be stone sand, screenings, or a combination thereof. Gravel or reclaimed miscellaneous aggregate shall not be used.

Bituminous Concrete Surface: Materials for this surface shall conform to the requirements of the Special Provision for Section M.04, HMA S0.375”.

Construction Methods:

Saw cutting: Portions of the driveway or driveway aprons to be replaced shall be saw cut, and the existing pavement removed and disposed of by the Contractor.

Excavation: Excavation, including removal of any existing concrete sidewalk, concrete sidewalk ramp, bituminous sidewalk or driveway, shall be made to the required depth below the finished grade, as shown on the plans or as directed by the Engineer. All soft and yielding material shall be removed and replaced with suitable material.

Forms: When the bituminous concrete is spread by hand, forms shall be used. Forms shall be of metal or wood, straight, free from warp and of sufficient strength to resist springing from the impact of the roller. If made of wood, they shall be of 2-inch (38-millimeter) surfaced plank except that at sharp curves thinner material may be used; if made of metal, they shall be of an approved section. All forms shall be of a depth equal to the depth of the sidewalks or driveways and shall be securely staked, braced, and held firmly to the required line and grade. All forms shall be cleaned and oiled each time they are used.

Processed Stone Base Course: Processed stone base course shall be uniformly spread to the required depth and thoroughly compacted with a roller with a mass of not less than 500 pounds (226 kilograms).

Bituminous Concrete Surface: The edges of existing pavement shall be painted with an asphalt emulsion prior to the placement of permanent pavement. Hot laid bituminous concrete shall be placed so as to give a three-inch compacted surface, or a surface that has a depth equal to the existing driveway surface, whichever is greater.

This surface shall be constructed in accordance with the requirements of the Special Provision for Section 4.06, except that the material may be spread by hand and thoroughly compacted by multiple passes of a power-driven roller weighing (with a mass) of not less than 500 pounds (226 kilograms). The finished surface shall be free from waves or depressions.

Backfilling and Removal of Surplus Material: The sides of the sidewalk or driveway shall be backfilled with suitable material thoroughly compacted and finished flush with the top of the sidewalk or driveway. All surplus material shall be removed and the site left in a neat and presentable condition to the satisfaction of the Engineer. In sections inaccessible to the roller, the base course, surface course and backfill shall be

**POLICE DEPARTMENT FUEL STATION IMPROVEMENTS
SPECIAL PROVISIONS**

BID #GL-2023-16

hand-tamped with tampers weighing not less than 12 pounds (with a mass of not less than 5.5 kilograms), the face of which shall not exceed 50 square inches (32,000 square millimeters) in area.

Method of Measurement: This work will be measured for payment as follows:

Bituminous Concrete Driveway (Commercial): This work will be measured by the actual number of square yards of completed and accepted Bituminous Concrete Driveway (Commercial).

Excavation: Excavation, including removal and disposal of existing bituminous concrete, backfilling, and disposal of all surplus materials will not be measured for payment; but the cost shall be included in the price bid for Bituminous Concrete Driveway (Commercial).

Processed Stone Base Course: This work will not be measured for payment but the cost shall be included in the price bid for Bituminous Concrete Driveway (Commercial).

Basis of Payment:

This work will be paid for at the contract unit price per square yard for "Bituminous Concrete Driveway (Commercial)" complete in place, which price shall include all excavation as specified above, backfill, saw cutting, disposal of surplus material, processed stone base, and all equipment, tools, labor and materials incidental thereto.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0922500A	BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)	S.Y.

ITEM # 0944000A FURNISHING AND PLACING TOPSOIL

Description:

This work shall consist of furnishing, placing, and shaping topsoil in areas shown on the plans where directed by the Engineer. The topsoil shall be placed to the depth stated in the Contract or specifications.

Material:

Topsoil shall conform to the requirements of Article M.13.01.1 of the Form 818.

Construction Methods:

Topsoil shall be placed in all other disturbed areas designated for turf establishment as shown on the plans.

The areas on which topsoil is to be placed shall be graded to a reasonably true surface and cleaned of all stones, brickbats, and other unsuitable materials. After areas have been brought to proper subgrade and approved by the Engineer or his agent, loam shall be spread to a depth as indicated in the Contract, or to a depth of no less than four inches, with due allowance made for settlement. All stones, roots, debris, sod, weeds, and other undesirable material shall be removed from the topsoil. After shaping and grading, all trucks and other equipment shall be excluded from the topsoiled area to prevent excessive compaction. The Contractor shall perform such work as required to provide a friable surface for seed germination and plant growth prior to seeding.

During hauling and spreading operations, the Contractor shall immediately remove any material dumped or spilled on the shoulders or pavement.

It shall be the Contractor's responsibility to restore to line, grade, and surface all eroded areas with approved material and to keep topsoiled areas in acceptable condition until the completion of the construction work.

Method of Measurement:

Furnishing and Placing Topsoil will be measured by the actual number of square feet of completed and accepted Furnishing and Placing Topsoil.

The limits of payment shall be to the slope limits as shown on the plans.

No payment shall be made outside of these limits unless the disturbance was directed or approved by the Engineer. No payment shall be made for areas disturbed for staging, storage of materials, or other area disturbed for the convenience of the Contractor.

Basis of Payment:

This work will be paid for at the contract unit price per square yard for "Furnishing and Placing Topsoil" as listed in the Bid Proposal which price shall include all materials, equipment, tools, labor, and work incidental thereto. This price shall include all stripping, stockpiling, screening, hauling, re-handling, raking, and other processing of topsoil from off-site or on-site sources and all materials, equipment, tools, and labor incidental thereto.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0944000A	FURNISHING AND PLACING OF TOPSOIL	S.Y.

ITEM # 0950005A TURF ESTABLISHMENT

Description:

The work included in this item shall consist of providing an accepted uniform stand of established perennial turf grasses or wetland vegetation by furnishing and placing fertilizer, wetland wildflower mix, seed, and mulch on all areas to be treated as shown on the plans or where designated by the Engineer.

Materials:

The materials for this work shall conform to the requirements of Section M.13 of the Form 818, except as noted below.

Seed mix for residential lawn areas shall consist of 30% Crest Kentucky Bluegrass, 30% Baron Kentucky Bluegrass, 20% Victory II Chewings Fescue, and 20% Perennial Rye Grass.

Seed mix for other roadside areas designated for turf establishment shall consist of 70% Red Fescue, 20% Kentucky Blue Grass, and 10% Perennial Rye Grass.

Material certificates shall be provided for all materials supplied under this item.

Construction Methods:

Construction Methods shall be those established as agronomically acceptable and feasible and which are approved by the Engineer.

1. Preparation of the Seedbed:

(a) Level areas, medians, interchanges and lawns: These areas shall be made friable and receptive for seeding by disking or by other approved methods to the satisfaction of the Engineer. In all cases the final prepared and seeded soil surface shall meet the lines and grades for such surface as shown in the plans, or as directed by the Engineer.

(b) Slope and Embankment Areas: These areas shall be made friable and receptive to seeding by approved methods which will not disrupt the line and grade of the slope surface. In no event will seeding be permitted on hard or crusted soil surface.

(c) All areas to be seeded shall be reasonably free from weeds taller than 3 inches. Removal of weed growth from the slope areas shall be by approved methods, including hand-mowing, which do not rut or scar the slope surface, or cause excessive disruption of the slope line or grade. Seeding on level areas shall not be permitted until substantially all weed growth is removed. Seeding on slope areas shall not be permitted without removal or cutting of weed growth except by written permission of the Engineer.

2. Seeding Season: The calendar dates for seeding shall be:

Spring—March 15 to June 15

Fall—August 15 to October 15

All disturbed soil areas shall be treated during the seeding seasons as follows:

(a) Areas at final grade: Seeding will be accomplished.

(b) "Out-of-season" seedings shall be performed in the same manner as "in-season" seedings. Since acceptable turf establishment is less likely, the Contractor shall be responsible for "in-season" reseeding until the turf stand conforms to this specification.

(c) During "out-of-season" periods unseeded areas shall be treated in accordance with Section 2.10, Water Pollution Control.

3. Seeding Methods:

The seed mixture shall be applied by any agronomically acceptable procedure. The rate of application shall be no less than 175 pounds per acre or according to manufacturer instructions. Fertilizer conforming to M.13.03 shall be initially applied at a rate of 320 pounds per acre during or preceding seeding. When wood fiber mulch is used, it shall be applied in a water slurry at a rate of 2,000 pounds per acre with or immediately after the application of seed, fertilizer and limestone.

When the grass seeding growth has attained a height of 6 inches, the areas of Turf Establishment designated herein shall be mowed to a height of 3 inches. Following mowing, all seeding grass areas (mowed and un-mowed) shall receive a uniform application of fertilizer hydraulically placed at the rate of 320 pounds per acre. Areas of Wetland Seeding shall not be mowed.

4. Compaction:

The Contractor shall keep all equipment and vehicular and pedestrian traffic off areas that have been seeded to prevent excessive compaction and damage to young plants. Where such compaction has occurred, the Contractor shall rework the soil to make a suitable seedbed; then re-seed and mulch such areas with the full amounts of the specified materials, at no extra expense to the Town.

5. Stand of Perennial Turf Grasses:

The Contractor shall provide and maintain a uniform stand of established turf grass or wetland vegetation having attained a height of 6 inches consisting of no less than 100 plants per square foot throughout the seeded areas until the entire project has been accepted.

6. Establishment:

The Contractor shall keep all seeded areas free from weeds and debris, such as stones, cables, baling wire, and he shall mow at his own expense, on a one-time-only basis, all turf established slopes of 4:1 or flatter and level turf established (seeded) areas to a height of 3 inches when the grass growth attains a height of 6 inches. Wetland Seeding areas shall not be mowed. Clean-up shall include, but not be limited to, the removal of all debris from the turf establishment and wetland seeding operations on the shoulders, pavement, and/or elsewhere on adjacent properties publicly and privately owned.

Method of Measurement:

This work will be measured for payment by the number of square yards of surface area of accepted established perennial turf grass or wetland wildflower mix as specified or by the number of square yards surface area of seeding actually covered and as specified.

Restoration of areas disturbed for staging, storage of materials, or other area disturbed for the convenience of the Contractor will not be measured for payment.

Basis of Payment:

This work will be paid for at the contract unit price per square yard for "Turf Establishment" as listed in the Bid Proposal, which price shall include all materials, mowing, maintenance, equipment, tools, labor, and work incidental thereto. Partial payment of up to 60% may be made for work completed, but not accepted.

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>
0950005A	TURF ESTABLISHMENT	S.Y.

**ATTACHMENT A:
PREVAILING WAGE RATES**

**Minimum Rates and Classifications
for Building Construction**

ID#: 22-36912

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

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-2023-16

Project Town: Glastonbury

State#:

FAP#:

Project: Police Department Fuel Station Improvements

CLASSIFICATION	Hourly Rate	Benefits
1b) 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 7**		
1c) Asbestos Worker/Heat and Frost Insulator	44.57	31.79
2) Boilermaker	44.46	28.51
3a) Bricklayer, Cement Mason, Concrete Finisher (including caulking), Stone Masons	37.75	34.62 + a
3b) Tile Setter	37.1	30.52
3c) Tile and Stone Finishers	30.0	25.30
3d) Marble & Terrazzo Finishers	31.07	24.23
3e) Plasterer	41.9	28.75

-----LABORERS-----

4) Group 1: Laborers (common or general), acetylene burners, concrete specialists, wrecking laborers, fire watchers.	32.0	24.40
4a) Group 2: Mortar mixers, plaster tender, power buggy operators, powdermen, fireproofers/mixer/nozzleman (Person running mixer and spraying fireproof only).	32.25	24.40
4b) Group 3: Jackhammer operators/pavement breaker, mason tender (brick), mason tender (cement/concrete), forklift operators and forklift operators (masonry).	32.5	24.40
4c) **Group 4: Pipelayers (Installation of water, storm drainage or sewage lines outside of the building line with P6, P7 license) (the pipelayer rate shall apply only to one or two employees of the total crew who primary task is to actually perform the mating of pipe sections) P6 and P7 rate is \$26.80.	33.0	24.40
4d) Group 5: Air track operator, sand blaster and hydraulic drills.	32.75	24.40
4e) Group 6: Blasters, nuclear and toxic waste removal.	35.0	24.40
4f) Group 7: Asbestos/lead removal and encapsulation (except it's removal from mechanical systems which are not to be scrapped).	33.0	24.40
4g) Group 8: Bottom men on open air caisson, cylindrical work and boring crew.	30.28	24.40
4h) Group 9: Top men on open air caisson, cylindrical work and boring crew.	29.74	24.40
4i) Group 10: Traffic Control Signalman	18.0	24.40
5) Carpenter, Acoustical Ceiling Installation, Soft Floor/Carpet Laying, Metal Stud Installation, Form Work and Scaffold Building, Drywall Hanging, Modular-Furniture Systems Installers, Lathers, Piledrivers, Resilient Floor Layers.	36.07	26.15
5a) Millwrights	36.32	26.81

6) Electrical Worker (including low voltage wiring) (Trade License required: E1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	41.75	31.47+3% of gross wage
7a) Elevator Mechanic (Trade License required: R-1,2,5,6)	58.9	36.885+a+b
-----LINE CONSTRUCTION-----		
Groundman	26.5	6.5% + 9.00
Linemen/Cable Splicer	48.19	6.5% + 22.00
8) Glazier (Trade License required: FG-1,2)	40.78	23.40 + a
9) Ironworker, Ornamental, Reinforcing, Structural, and Precast Concrete Erection	39.7	38.77 + a
-----OPERATORS-----		
Group 1: Crane Handling or Erecting Structural Steel or Stone; Hoisting Engineer (2 drums or over). (Trade License Required)	50.27	26.80 + a
Group 1a: Front End Loader (7 cubic yards or over); Work Boat 26 ft. and Over	46.07	26.80 + a
Group 2: Cranes (100 ton rate capacity and over); Bauer Drill/Caisson. (Trade License Required)	49.91	26.80 + a
Group 2a: Cranes (under 100 ton rated capacity).	49.06	26.80 + a
Group 2b: Excavator over 2 cubic yards; Pile Driver (\$3.00 premium when operator controls hammer)	45.71	26.80 + a
Group 3: Excavator; 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 Finegrade. (slopes, shaping, laser or GPS, etc.). (Trade License	44.86	26.80 + a

Required)

Group 4: Trenching Machines; Lighter Derrick; CMI Machine or Similar; Koehring Loader (Skooper); Goldhofer.	44.42	26.80 + a
Group 5: Specialty Railroad Equipment; 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 mandrel).	43.73	26.80 + a
Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller.	43.73	26.80 + a
Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	43.38	26.80 + 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).	42.99	26.80 + a
Group 8: Mechanic; Grease Truck Operator; Hydroblaster; Barrier Mover; Power Stone Spreader; Welding; Work Boat Under 26 ft.; Transfer Machine; Rigger Foreman.	42.54	26.80 + a
Group 9: Front End Loader (under 3 cubic yards); Skid Steer Loader regardless of attachments; (Bobcat or Similar); Forklift, Power Chipper; Landscape Equipment (including Hydroseeder); Vacuum Excavation Truck and Hydrovac Excavation Truck (27 HG pressure or greater).	42.04	26.80 + a
Group 10: Vibratory hammer; ice machine; diesel and air, hammer, etc.	39.7	26.80 + a
Group 11: Conveyor, earth roller, power pavement breaker (whiphammer), robot demolition equipment.	39.7	26.80 + a
Group 12: Wellpoint Operator.	39.63	26.80 + a
Group 13: Compressor Battery Operator.	38.97	26.80 + a

Group 14: Elevator Operator; Tow Motor Operator (solid tire no rough terrain).	37.66	26.80 + a
Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	37.2	26.80 + a
Group 16: Maintenance Engineer.	36.46	26.80 + a
Group 17: Portable Asphalt Plant Operator; Portable Crusher Plant Operator; Portable Concrete Plant Operator; Portable Grout Plant Operator; Portable Water Filtration Plant Operator.	41.39	26.80 + a
Group 18: Power Safety Boat; Vacuum Truck; Zim Mixer; Sweeper; (Minimum for any job requiring a CDL license); Rigger; Signalman.	38.61	26.80 + a
-----PAINTERS (Including Drywall Finishing)-----		
10a) Brush and Roller	37.22	23.40
10b) Taping Only/Drywall Finishing	37.97	23.40
10c) Paperhanger and Red Label	37.72	23.40
10e) Blast and Spray	40.22	23.40
11) Plumber (excluding HVAC pipe installation) (Trade License required: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2)	47.03	34.05
12) Well Digger, Pile Testing Machine	37.26	24.05 + a
13) Roofer (composition)	40.1	23.40
14) Roofer (slate & tile)	40.6	23.40

15) Sheetmetal Worker (Trade License required for HVAC and Ductwork: SM-1,SM-2,SM-3,SM-4,SM-5,SM-6)	40.89	41.72
16) Pipefitter (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)	47.03	34.05
-----TRUCK DRIVERS-----		
17a) 2 Axle, Helpers	31.16	28.78 + a
17b) 3 Axle, 2 Axle Ready Mix	31.27	28.78 + a
17c) 3 Axle Ready Mix	31.33	28.78 + a
17d) 4 Axle	31.39	28.78 + a
17e) 4 Axle Ready Mix	31.44	28.78 + a
17f) Heavy Duty Trailer (40 Tons and Over)	33.66	28.78 + a
17g) Specialized Earth Moving Equipment (Other Than Conventional Type on-the-Road Trucks and Semi-Trailers, Including Euclids)	31.44	28.78 + a
17h) Heavy Duty Trailer up to 40 tons	32.39	28.78 + a
17i) Snorkle Truck	31.54	28.78 + a
18) Sprinkler Fitter (Trade License required: F-1,2,3,4)	47.55	28.96 + a
19) Theatrical Stage Journeyman	25.76	7.34

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.

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. 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.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

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: July 12, 2022

Minimum Rates and Classifications for Heavy/Highway Construction

ID#: 22-36912

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

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-2023-16

Project Town: Glastonbury

State#:

FAP#:

Project: Police Department Fuel Station Improvements

CLASSIFICATION	Hourly Rate	Benefits
1) Boilermaker	44.46	28.51
1a) Bricklayer, Cement Masons, Cement Finishers, Plasterers, Stone Masons	38.27	34.47
2) Carpenters, Piledrivermen	36.07	26.15
2a) Diver Tenders	36.07	26.15
3) Divers	44.53	26.15
03a) Millwrights	36.32	26.81
4) Painters: (Bridge Construction) Brush, Roller, Blasting (Sand, Water, etc.), Spray	55.0	23.75
4a) Painters: Brush and Roller	37.22	23.40
4b) Painters: Spray Only	40.22	23.40
4c) Painters: Steel Only	39.22	23.40

4d) Painters: Blast and Spray	40.22	23.40
4e) Painters: Tanks, Tower and Swing	39.22	23.40
4f) Elevated Tanks (60 feet and above)	46.22	23.40
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)	41.75	31.47+3% of gross wage
6) Ironworkers: Ornamental, Reinforcing, Structural, and Precast Concrete Erection	39.7	38.77 + a
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)	47.03	34.05
----LABORERS-----		
8) Group 1: Laborer (Unskilled), Common or General, acetylene burner, concrete specialist	32.0	24.40
9) Group 2: Chain saw operators, fence and guard rail erectors, pneumatic tool operators, powdermen	32.25	24.40
10) Group 3: Pipelayers	32.5	24.40
11) Group 4: Jackhammer/Pavement breaker (handheld); mason tenders (cement/concrete), catch basin builders, asphalt rakers, air track operators, block paver, curb setter and forklift operators	32.5	24.40
12) Group 5: Toxic waste removal (non-mechanical systems)	34.0	24.40
13) Group 6: Blasters	33.75	24.40

Group 7: Asbestos/lead removal, non-mechanical systems (does not include leaded joint pipe)	33.0	24.40
Group 8: Traffic control signalmen	18.0	24.40
Group 9: Hydraulic Drills	32.75	24.40
----LABORERS (TUNNEL CONSTRUCTION, FREE AIR). Shield Drive and Liner Plate Tunnels in Free Air.----		
13a) Miners, Motormen, Mucking Machine Operators, Nozzle Men, Grout Men, Shaft & Tunnel Steel & Rodmen, Shield & Erector, Arm Operator, Cable Tenders	34.23	24.40 + a
13b) Brakemen, Trackmen, Miners' Helpers and all other men	33.26	24.40 + a
----CLEANING, CONCRETE AND CAULKING TUNNEL----		
14) Concrete Workers, Form Movers, and Strippers	33.26	24.40 + a
15) Form Erectors	33.59	24.40 + a
----ROCK SHAFT LINING, CONCRETE, LINING OF SAME AND TUNNEL IN FREE AIR:----		
16) Brakemen, Trackmen, Tunnel Laborers, Shaft Laborers, Miners Helpers	33.26	24.40 + a
17) Laborers Topside, Cage Tenders, Bellman	33.15	24.40 + a
18) Miners	34.23	24.40 + a
----TUNNELS, CAISSON AND CYLINDER WORK IN COMPRESSED AIR: ----		

18a) Blaster	40.72	24.40 + a
19) Brakemen, Trackmen, Groutman, Laborers, Outside Lock Tender, Gauge Tenders	40.52	24.40 + a
20) Change House Attendants, Powder Watchmen, Top on Iron Bolts	38.54	24.40 + a
21) Mucking Machine Operator, Grout Boss, Track Boss	41.31	24.40 + a
----TRUCK DRIVERS----(*see note below)		
Two Axle Trucks, Helpers	31.16	28.78 + a
Three Axle Trucks; Two Axle Ready Mix	31.27	28.78 + a
Three Axle Ready Mix	31.33	28.78 + a
Four Axle Trucks	31.39	28.78 + a
Four Axle Ready-Mix	31.44	28.78 + a
Heavy Duty Trailer (40 tons and over)	33.66	28.78 + a
Specialized earth moving equipment other than conventional type on-the road trucks and semi-trailer (including Euclids)	31.44	28.78 + a
Heavy Duty Trailer (up to 40 tons)	32.39	28.78 + a
Snorkle Truck	31.54	28.78 + a
----POWER EQUIPMENT OPERATORS----		

Group 1: Crane Handling or Erecting Structural Steel or Stone, Hoisting Engineer (2 drums or over). (Trade License Required)	50.27	26.80 + a
Group 1a: Front End Loader (7 cubic yards or over); Work Boat 26 ft. and over.	46.07	26.80 + a
Group 2: Cranes (100 ton rate capacity and over); Bauer Drill/Caisson. (Trade License Required)	49.91	26.80 + a
Group 2a: Cranes (under 100 ton rated capacity).	49.06	26.80 + a
Group 2b: Excavator over 2 cubic yards; Pile Driver (\$3.00 premium when operator controls hammer).	45.71	26.80 + a
Group 3: Excavator; 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)	44.86	26.80 + a
Group 4: Trenching Machines; Lighter Derrick; CMI Machine or Similar; Koehring Loader (Skooper).	44.42	26.80 + 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" mandrel)	43.73	26.80 + a
Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller.	43.73	26.80 + a
Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	43.38	26.80 + 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)	42.99	26.80 + a

Group 8: Mechanic, Grease Truck Operator, Hydroblaster, Barrier Mover, Power Stone Spreader; Welder; Work Boat under 26 ft.; Transfer Machine.	42.54	26.80 + 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), Vacuum Excavation Truck and Hydrovac Excavation Truck (27 HG pressure or greater).	42.04	26.80 + a
Group 10: Vibratory Hammer, Ice Machine, Diesel and Air Hammer, etc.	39.7	26.80 + a
Group 11: Conveyor, Earth Roller; Power Pavement Breaker (whiphammer), Robot Demolition Equipment.	39.7	26.80 + a
Group 12: Wellpoint Operator.	39.63	26.80 + a
Group 13: Compressor Battery Operator.	38.97	26.80 + a
Group 14: Elevator Operator; Tow Motor Operator (Solid Tire No Rough Terrain).	37.66	26.80 + a
Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	37.2	26.80 + a
Group 16: Maintenance Engineer.	36.46	26.80 + a
Group 17: Portable Asphalt Plant Operator; Portable Crusher Plant Operator; Portable Concrete Plant Operator., Portable Grout Plant Operator, Portable Water Filtration Plant Operator.	41.39	26.80 + a
Group 18: Power Safety Boat; Vacuum Truck; Zim Mixer; Sweeper; (minimum for any job requiring CDL license).	38.61	26.80 + a

**NOTE: SEE BELOW

----LINE CONSTRUCTION----(Railroad Construction and Maintenance)----

20) Lineman, Cable Splicer, Technician	48.19	6.5% + 22.00
21) Heavy Equipment Operator	42.26	6.5% + 19.88
22) Equipment Operator, Tractor Trailer Driver, Material Men	40.96	6.5% + 19.21
23) Driver Groundmen	26.5	6.5% + 9.00
23a) Truck Driver	40.96	6.5% + 17.76

----LINE CONSTRUCTION----

24) Driver Groundmen	30.92	6.5% + 9.70
25) Groundmen	22.67	6.5% + 6.20
26) Heavy Equipment Operators	37.1	6.5% + 10.70
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

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. 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.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

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: July 12, 2022

Important Information:

For use with Building, Heavy/Highway, and Residential

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.

ALL Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$4.00 premium in addition to the hourly wage rate and benefit contributions:

- 1) Crane handling or erecting structural steel or stone; holsting engineer (2 drums or over)
- 2) Cranes (100 ton rate capacity and over) Bauer Drill/Caisson
- 3) Cranes (under 100 ton rated capacity)

Crane with boom including jib, 150 feet - \$1.50 extra.

Crane with boom including jib, 200 feet - \$2.50 extra.

Crane with boom including jib, 250 feet - \$5.00 extra.

Crane with boom including jib, 300 feet - \$7.00 extra.

Crane with boom including jib, 400 feet - \$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 one 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.ctdol.state.ct.us.
- 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.

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- All Persons 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.

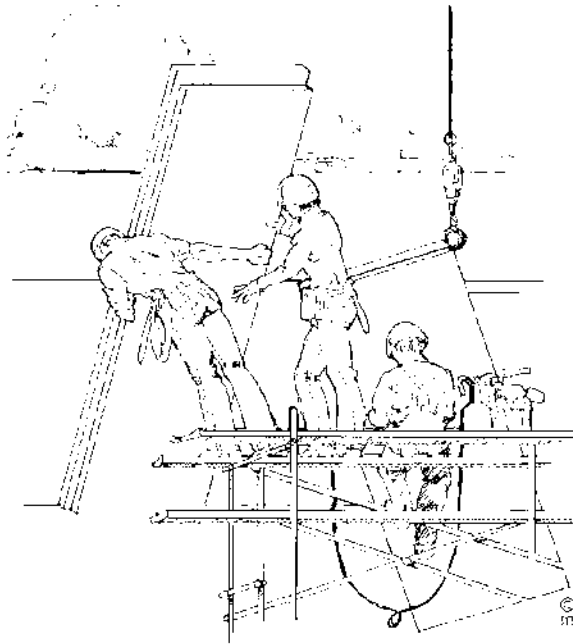
~NOTICE~

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: _____

CONNECTICUT DEPARTMENT OF LABOR
WAGE AND WORKPLACE STANDARDS DIVISION

CONTRACTORS WAGE CERTIFICATION FORM
Construction Manager at Risk/General Contractor/Prime Contractor

I, _____ of _____
Officer, Owner, Authorized Rep. Company Name

do hereby certify that the _____
Company Name

Street

City

and all of its subcontractors will pay all workers on the

Project Name and Number

Street and City

the wages as listed in the schedule of prevailing rates required for such project (a copy of which is attached hereto).

Signed

Subscribed and sworn to before me this _____ day of _____, _____.

Notary Public

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

Rate Schedule Issued (Date): _____

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;
- (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.

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.

[New] In accordance with Section 31-53b(a) of the C.G.S. each contractor shall provide a copy of the OSHA 10 Hour Construction Safety and Health Card for each employee, to be attached to the first certified payroll on the project.

PAYROLL CERTIFICATION FOR PUBLIC WORKS PROJECTS

WEEKLY PAYROLL

**Connecticut Department of Labor
Wage and Workplace Standards Division
200 Folly Brook Blvd.
Wethersfield, CT 06109**

In accordance with Connecticut General Statutes, 31-53 Certified Payrolls with a statement of compliance shall be submitted monthly to the contracting agency.

CONTRACTOR NAME AND ADDRESS:					SUBCONTRACTOR NAME & ADDRESS			WORKER'S COMPENSATION INSURANCE CARRIER				
								POLICY #				
PAYROLL NUMBER					Week-Ending Date			PROJECT NAME & ADDRESS				
								EFFECTIVE DATE: EXPIRATION DATE:				

PERSON/WORKER, ADDRESS and SECTION	APPR RATE %	MALE/FEMALE AND RACE*	WORK CLASSIFICATION Trade License Type & Number - OSHA 10 Certification Number	DAY AND DATE							Total ST Hours	BASE HOURLY RATE	TYPE OF FRINGE BENEFITS Per Hour 1 through 6 (see back)	GROSS PAY FOR ALL WORK PERFORMED THIS WEEK	TOTAL DEDUCTIONS				GROSS PAY FOR THIS PREVAILING RATE JOB	CHECK # AND NET PAY		
				S	M	T	W	TH	F	S					FICA	FEDERAL WITH-HOLDING	STATE WITH-HOLDING	LIST OTHER				
				HOURS WORKED EACH DAY																	Total O/T Hours	TOTAL FRINGE BENEFIT PLAN CASH
													\$									
													\$									
													\$									
													\$									

***FRINGE BENEFITS EXPLANATION (P):**

Bona fide benefits paid to approved plans, funds or programs, except those required by Federal or State Law (unemployment tax, worker’s compensation, income taxes, etc.).

Please specify the type of benefits provided:

- 1) Medical or hospital care _____ 4) Disability _____
- 2) Pension or retirement _____ 5) Vacation, holiday _____
- 3) Life Insurance _____ 6) Other (please specify) _____

CERTIFIED STATEMENT OF COMPLIANCE

For the week ending date of _____,

I, _____ of _____, (hereafter known as Employer) in my capacity as _____ (title) do hereby certify and state:

Section A:

1. All persons employed on said project have been paid the full weekly wages earned by them during the week in accordance with Connecticut General Statutes, section 31-53, as amended. Further, I hereby certify and state the following:

- a) The records submitted are true and accurate;
- b) The rate of wages paid to each mechanic, laborer or workman and the amount of payment or contributions paid or payable on behalf of each such person to any employee welfare fund, as defined in Connecticut General Statutes, section 31-53 (h), are not less than the prevailing rate of wages and the amount of payment or contributions paid or payable on behalf of each such person to any employee welfare fund, as determined by the Labor Commissioner pursuant to subsection Connecticut General Statutes, section 31-53 (d), and said wages and benefits are not less than those which may also be required by contract;
- c) The Employer has complied with all of the provisions in Connecticut General Statutes, section 31-53 (and Section 31-54 if applicable for state highway construction);
- d) Each such person is covered by a worker’s compensation insurance policy for the duration of his employment which proof of coverage has been provided to the contracting agency;
- e) The Employer does not receive kickbacks, which means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided directly or indirectly, to any prime contractor, prime contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a prime contractor in connection with a subcontractor relating to a prime contractor; and
- f) The Employer is aware that filing a certified payroll which he knows to be false is a class D felony for which the employer may be fined up to five thousand dollars, imprisoned for up to five years or both.

2. OSHA~The employer shall affix a copy of the construction safety course, program or training completion document to the certified payroll required to be submitted to the contracting agency for this project on which such persons name first appears.

 (Signature) (Title) Submitted on (Date)

Weekly Payroll Certification For
Public Works Projects (Continued)

PAYROLL CERTIFICATION FOR PUBLIC WORKS PROJECTS

Week-Ending Date: _____
Contractor or Subcontractor Business Name: _____

WEEKLY PAYROLL

PERSON/WORKER, ADDRESS and SECTION	APPR RATE %	MALE/ FEMALE AND RACE*	WORK CLASSIFICATION Trade License Type & Number - OSHA 10 Certification Number	DAY AND DATE							Total ST Hours	BASE HOURLY RATE	TYPE OF FRINGE BENEFITS Per Hour 1 through 6 (see back)	GROSS PAY FOR ALL WORK PERFORMED THIS WEEK	TOTAL DEDUCTIONS				GROSS PAY FOR THIS PREVAILING RATE JOB	CHECK # AND NET PAY	
				S	M	T	W	TH	F	S					FICA	FEDERAL WITH- HOLDING	STATE WITH- HOLDING	OTHER			
				HOURS WORKED EACH DAY											Total O/T Hours	TOTAL FRINGE BENEFIT PLAN CASH	1. \$	2. \$			3. \$

*IF REQUIRED

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.

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.

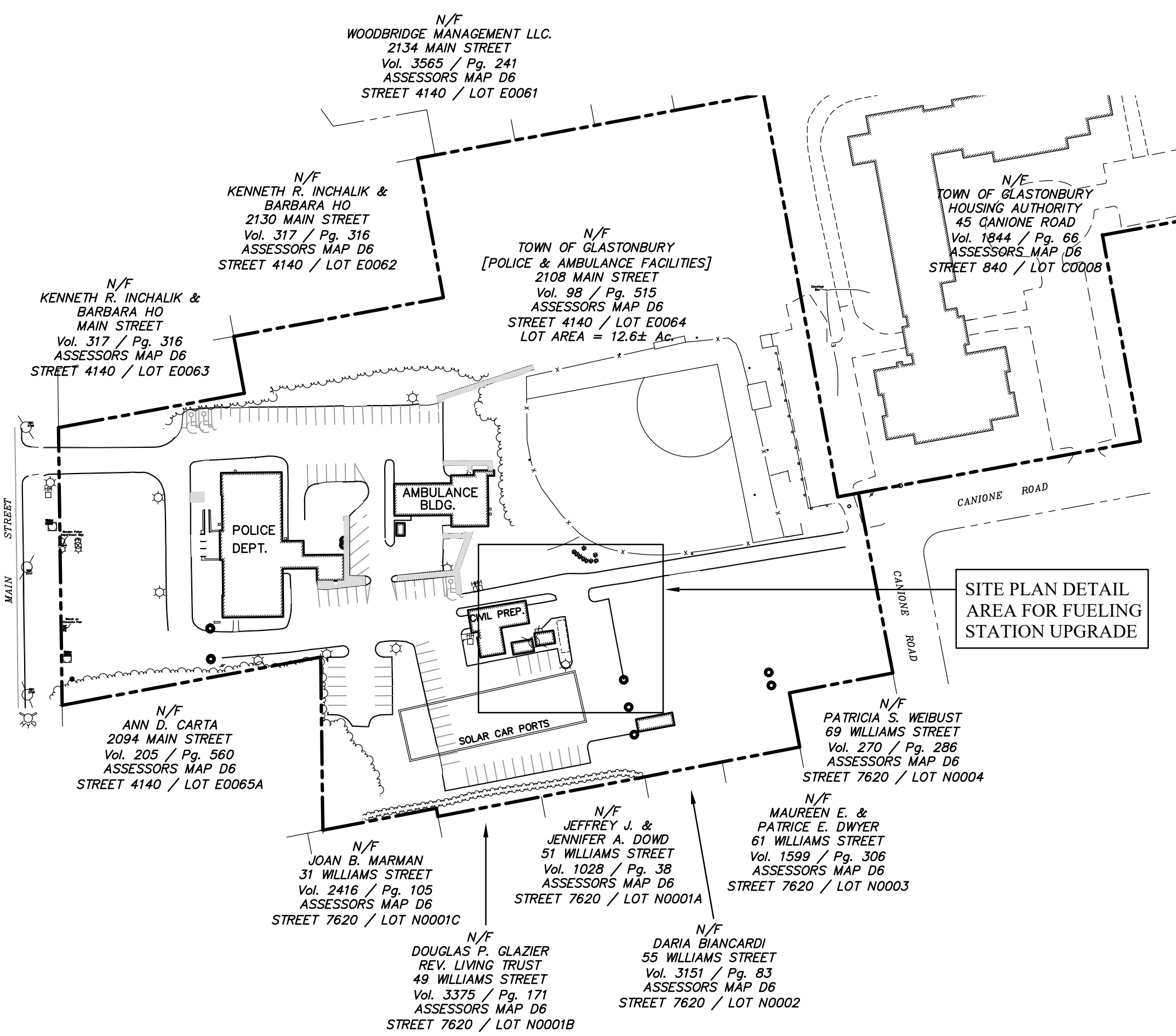
Each contractor that is awarded a contract on or after October 1, 2002, for (1) the construction of a state highway or bridge that falls under the provisions of section 31-54 of the general statutes, or (2) the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair 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. 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.

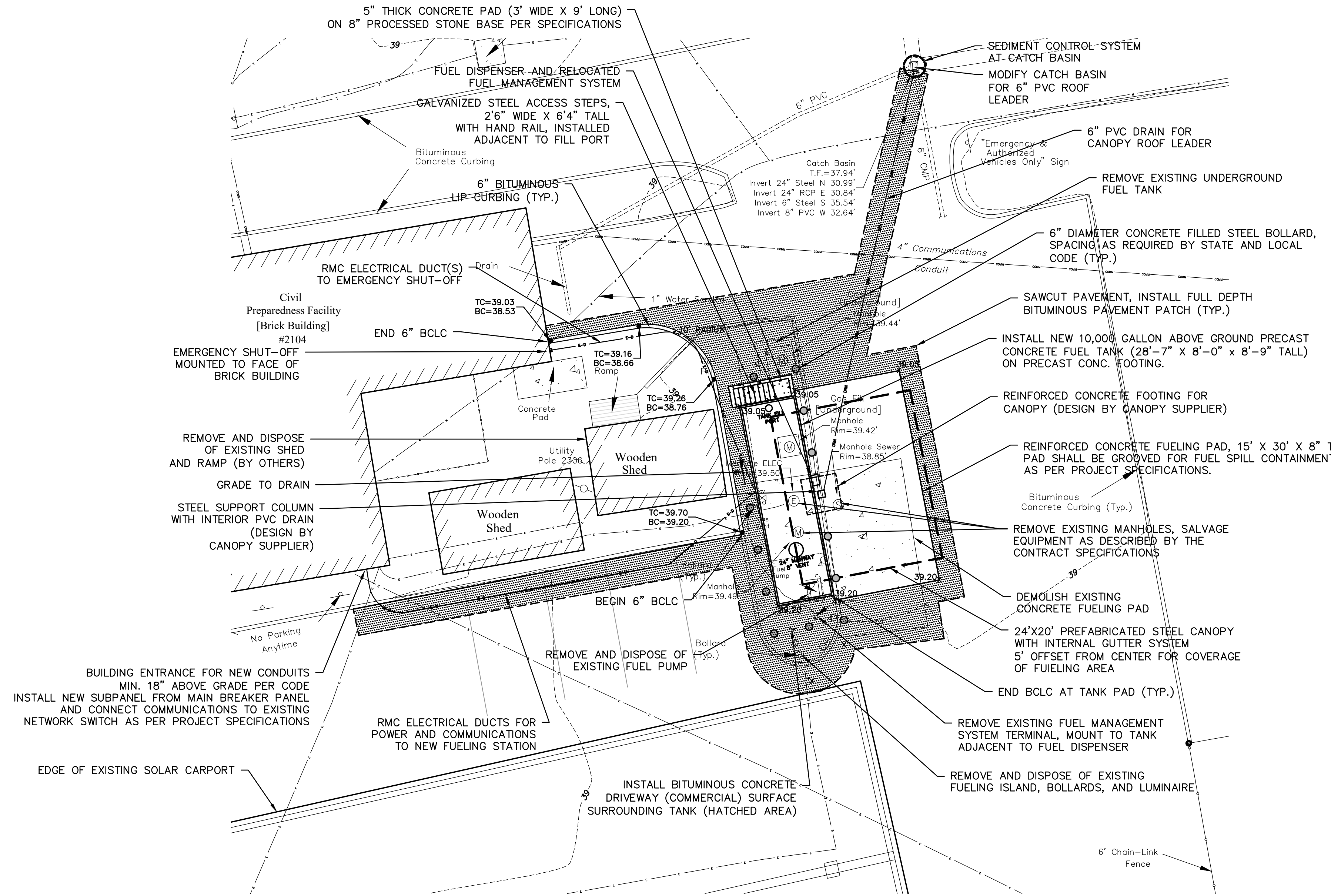
Any questions should be directed to the Contract Compliance Unit, Wage and Workplace Standards Division, Connecticut Department of Labor, 200 Folly Brook Blvd., Wethersfield, CT 06109 at (860)263-6790.

**ATTACHMENT B:
CONSTRUCTION PLANS**

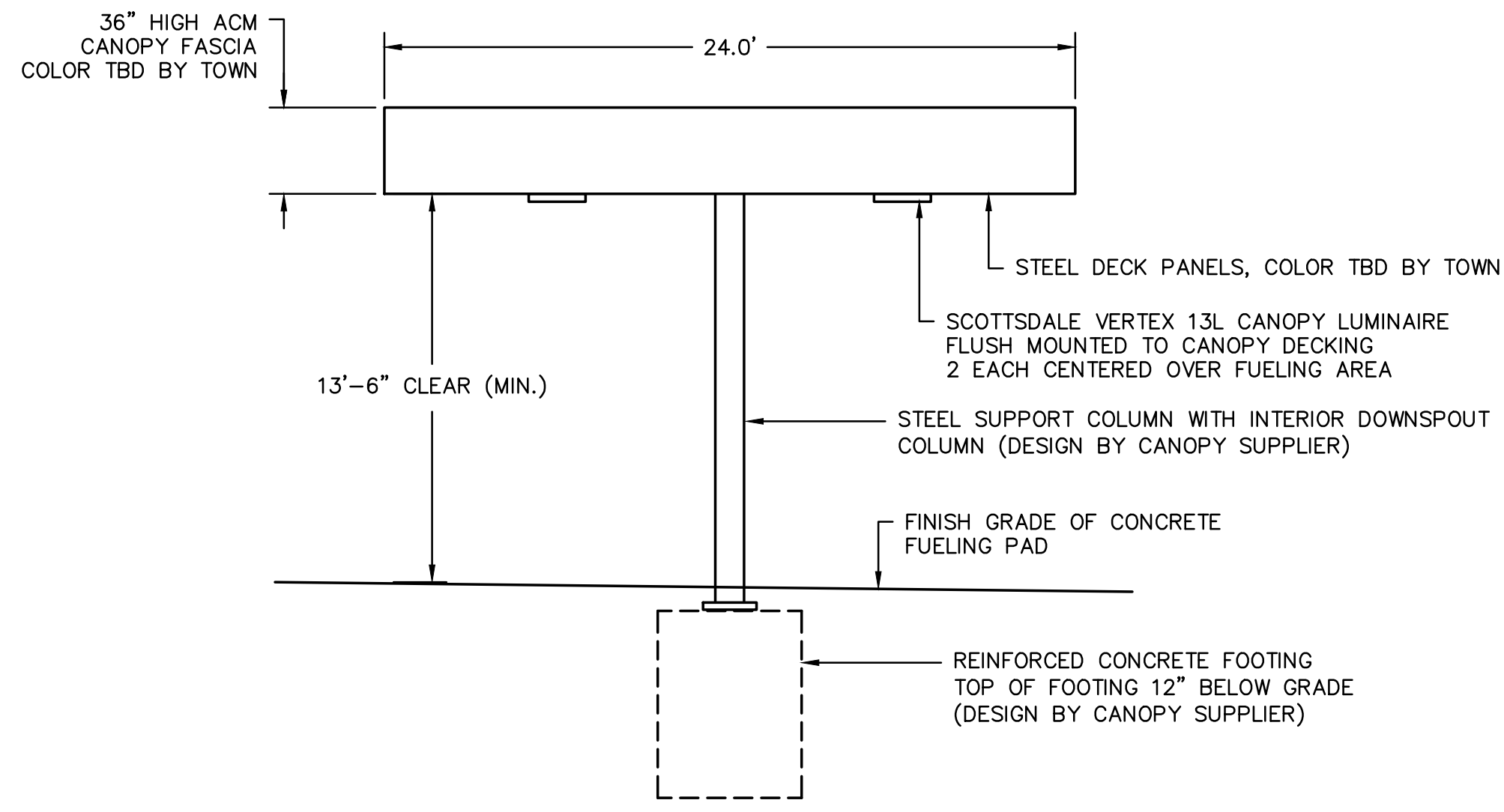
FILE: H:\DWG\Streets\Main\SP18-2212 POLICE DEPT FUEL STA IMPROVEMENTS\PW-2212 Fuel Tank Replacement Plan TPZ - Revised 06/22/22.dwg USER: Stephen Braun DATE: 7/1/2022



OVERVIEW PLAN
SCALE: 1" = 100'



SITE PLAN
SCALE: 1" = 10'



CANOPY - EAST ELEVATION
SCALE: 1" = 5'

SURVEY NOTES:

LOCATION OF FEATURES AND CONTOUR DATA DEPICTED HEREON WERE ACQUIRED BY FIELD SURVEY ON DECEMBER 2019 SUPPLEMENTED IN MAY 2021 FOR LOCATION OF SOLAR CAR PORTS.

THERE IS NO BOUNDARY/DETERMINATION OPINION.

NO EASEMENTS PERTAINING TO THE SUBJECT PARCEL ARE DEPICTED HEREON.

HORIZONTAL CONTROL IS BASED ON THE CONNECTICUT GEODETIC SURVEY STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 - (NAD83).

THIS PROPERTY IS SUBJECT TO EASEMENTS, RIGHTS, COVENANTS AND RESTRICTIONS AS MAY BE DEPICTED HEREON AND/OR AS OF RECORD THEY MAY APPEAR, AND TO ANY AND ALL PROVISIONS OF ANY ORDINANCE, FEDERAL, STATE OR MUNICIPAL REGULATION, OR PUBLIC OR PRIVATE LAW, AS SUCH MAY APPLY.

THE BOUNDARY LINES OF PROPERTIES ADJACENT TO THE SUBJECT PREMISES ARE DEPICTED HEREON FOR INFORMATIONAL PURPOSES ONLY AND HAVE NOT BEEN FIELD VERIFIED.

ELEVATIONS AND VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 - (NAVD88).

TOWN OF GLASTONBURY PROJECT/APPLICANT	RESERVED LAND ZONE
2108 MAIN STREET PROJECT ADDRESS	
SECTION 12.9 MINOR CHANGE SPECIAL PERMIT SECTION	TPZ CHAIRPERSON
DATE SPECIAL PERMIT APP'D	DIRECTOR OF COMMUNITY DEVELOPMENT
FILE NO.	

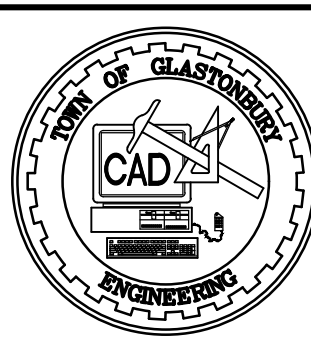
THE LOCATION OF UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATIONS AND BY INFORMATION PROVIDED BY OTHERS. THEIR TRUE LOCATIONS MAY VARY FROM THOSE INDICATED, AND ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. IF APPLICABLE, UTILIZE THE "CALL BEFORE YOU DIG" NUMBER (1-800-922-4455), TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES, AND RESOLVE CONFLICTS PRIOR TO STARTING CONSTRUCTION, REPAIR OR DESIGN.

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

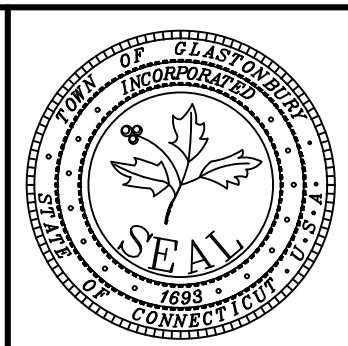
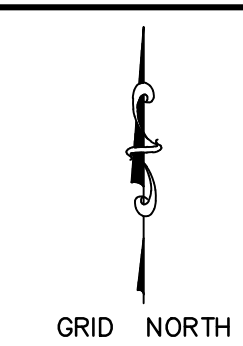
SHEETS 1-2 DESIGNED BY:
TOWN OF GLASTONBURY ENGINEERING DIVISION
PER: DANIEL A. PENNINGTON P.E.
LICENSE NO. 20101

PW-2212

DRAWING ISSUE STATUS		
NO.	DESCRIPTION	DATE
2.	ISSUED FOR CONSTRUCTION	6/30/2022
1.	ISSUED FOR TPZ REVIEW	5/11/2022



SCALE: AS SHOWN	DATE:
DRAWN BY: S.M.B.	1/21/2022
CHECKED BY: S.M.B.	1/21/2022
APPROVED BY: D.A.P.	1/21/2022
ST. FILE:	



PLAN DEPICTING
POLICE DEPARTMENT
FUELING STATION IMPROVEMENTS
LOCATED AT
2108 MAIN STREET
GLASTONBURY, CONNECTICUT

SHEET NO.
1
OF 2

FILE: H:\DWG\Stress Main SP-PW-2212 POLICE DEPT FUEL STA IMPROVEMENTS-PW-2212 (Def) Tank Replacement Plan TPZ- Revised 06/23/22.dwg USER: Stephen Bunn DATE: 7/13/2022

PROJECT NARRATIVE:
 THE POLICE DEPARTMENT FUELING STATION IMPROVEMENT PROJECT INCLUDES REMOVAL OF AN EXISTING 10,000 GALLON GASOLINE ISLAND AND DEMOLITION OF THE EXISTING CONCRETE FUELING PAD, ISLAND, AND ASSOCIATED STRUCTURES AND EQUIPMENT. A NEW 10,000 GALLON ABOVE-GROUND CONCRETE GASOLINE TANK WILL BE INSTALLED ON A CONCRETE PAD, AND NEW FUELING ISLAND AND FUELING PAD INSTALLED ADJACENT TO THE TANK. A 24'X20' CANTILEVERED CANOPY WILL ALSO BE INSTALLED OVER THE NEW FUELING STATION AS PART OF THE PROJECT WITH A SINGLE SUPPORT POST, CONCRETE FOOTING, AND INTEGRATED ILLUMINATION.

- CONSTRUCTION SEQUENCE**
- OBTAIN NECESSARY PERMITS FROM TOWN OF GLASTONBURY BUILDING DEPARTMENT, INCLUDING BUILDING PERMIT, ELECTRICAL PERMIT, AND TANK REMOVAL PERMIT.
 - DISCONNECT ELECTRICAL AND COMMUNICATION LINES FROM EXISTING FUEL STATION, GAS PUMP, FUEL MANAGEMENT SYSTEM, AND VEEDROOT SYSTEM. SALVAGE EXISTING FUEL MANAGEMENT SYSTEM AND STORE FOR RE-USE.
 - REMOVE AND DISPOSE OF EXISTING FUEL PUMP AND VEEDER ROOT SYSTEM COMPONENTS. DEMOLISH EXISTING CONCRETE FUELING PAD AND ASSOCIATED MANHOLES.
 - REMOVE EXISTING 10,000 GALLON UNDERGROUND GASOLINE TANK PER PROJECT SPECIFICATIONS. AFTER SOIL TESTING FOR TANK GRAVE IS COMPLETED BACKFILL TANK GRAVE WITH APPROVED GRANULAR BACKFILL MATERIAL IN MAXIMUM 8" LIFTS AS REQUIRED TO ACHIEVE 95% COMPACTION.
 - INSTALL FOOTING FOR CANOPY, INSTALL NEW ELECTRICAL AND COMMUNICATIONS CONDUITS PER PLAN, INSTALL NEW PVC ROOF DRAIN TO EXISTING CATCH BASIN.
 - INSTALL PROCESSED STONE BASE FOR FUEL TANK SUPPORT SLAB AND CONCRETE FUELING PAD.
 - INSTALL FUEL TANK SUPPORT SLAB AND 10,000 GALLON FUEL TANK.
 - INSTALL BUILDING ENTRANCE FOR ELECTRIC AND COMMUNICATIONS CONDUITS AT CIVIL PREPAREDNESS BUILDING. INSTALL NEW ELECTRIC SERVICE SUB-PANEL INSIDE BUILDING AND MAKE CONNECTION TO TOWN NETWORK PATCH PANEL INSIDE BUILDING. INSTALL ADDITIONAL WIRING AND CONDUITS AS REQUIRED TO EXTEND ELECTRICAL AND COMMUNICATIONS SERVICES TO THE PROPOSED FUEL PUMP AND FUEL MANAGEMENT SYSTEM.
 - INSTALL FUEL PUMP, FUEL MANAGEMENT SYSTEM AND ASSOCIATED COMPONENTS, WIRING, CONDUITS, ETC.
 - INSTALL BOLLARDS AND CONCRETE FUELING PAD.
 - REPAIR BITUMINOUS PAVEMENT AND INSTALL NEW FUELING ISLAND PAVEMENT, INSTALL CURBING.
 - INSTALL FUELING ISLAND CANOPY. INSTALL ALL REQUIRED SIGNAGE.

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:

- DEWATERING: OPEN TRENCH EXCAVATIONS WILL NEED TO BE DEWATERED AS NECESSARY FOR PROPER INSTALLATION OF THE PROPOSED PIPES. IN THESE AREAS, ALL WATER REMOVED FROM THE TRENCH SHALL BE ADEQUATELY TREATED PRIOR TO DISCHARGE USING MEASURES DESCRIBED IN SECTION 5-13 OF THE 2002 CT GUIDELINES FOR EROSION AND SEDIMENT CONTROL. THIS MAY INCLUDE A STONE SUMP AND STANDPIPE FOR PUMP INTAKE PROTECTION, AND A DIRT BAG OR PUMPING SETTLING BASIN FOR TREATMENT OF THE PUMPED WATER PRIOR TO DISCHARGE.
- STOCKPILING: EXCAVATED MATERIAL SHALL NOT BE STOCKPILED ADJACENT TO STORM DRAIN INLETS, WETLANDS, OR WATERCOURSES. WHEN IT IS NECESSARY BASED ON THE PROPOSED METHODS OF CONSTRUCTION TO STAGE EXCAVATED MATERIAL FOR SHORT DURATIONS IN THE VICINITY OF STORM DRAIN INLETS, THESE INLETS SHALL BE PROPERLY PROTECTED AS DESCRIBED ON THE PLANS. LONGER DURATION STOCKPILING OF MATERIAL, WHEN NECESSARY, SHALL BE ONLY IN LOCATIONS APPROVED IN ADVANCE BY THE ENGINEER, AND SUCH STOCKPILES SHALL BE RINGED WITH A SEDIMENTATION CONTROL SYSTEM.
- DISTURBED AREAS: LIMITS OF DISTURBANCE SHALL BE IN STRICT ACCORDANCE WITH THE APPROVED PLAN. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH THE FINAL SURFACE TREATMENT AS SOON AS POSSIBLE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED. DISTURBED AREAS WITH STEEP OR LONG SLOPES AND OTHER AREAS WITH SIGNIFICANT POTENTIAL FOR CAUSING SEDIMENTATION SHALL BE PROTECTED WITH TEMPORARY STRAW MULCH, WOOD CHIPS, EROSION CONTROL MATTING, OR OTHER SUITABLE MATERIALS PRIOR TO SIGNIFICANT FORECASTED RAIN STORM EVENTS TO REDUCE EROSION POTENTIAL.
- 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.

RESPONSIBLE PARTIES:
 THE CONTRACTOR SHALL PROVIDE A REPRESENTATIVE WHO IS RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENTATION CONTROL PLAN. THIS INCLUDES THE INSTALLATION AND MAINTENANCE OF ALL CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.

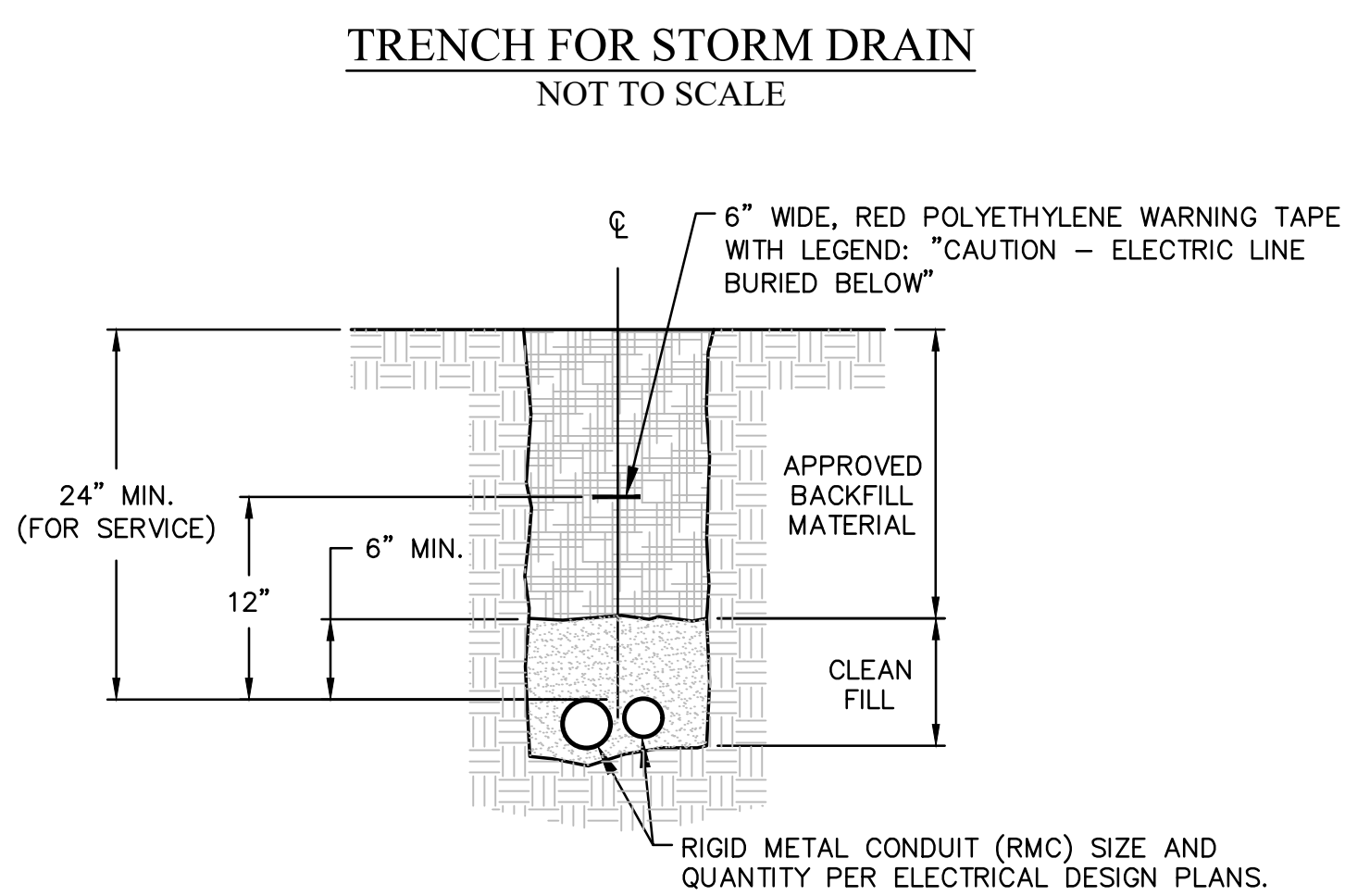
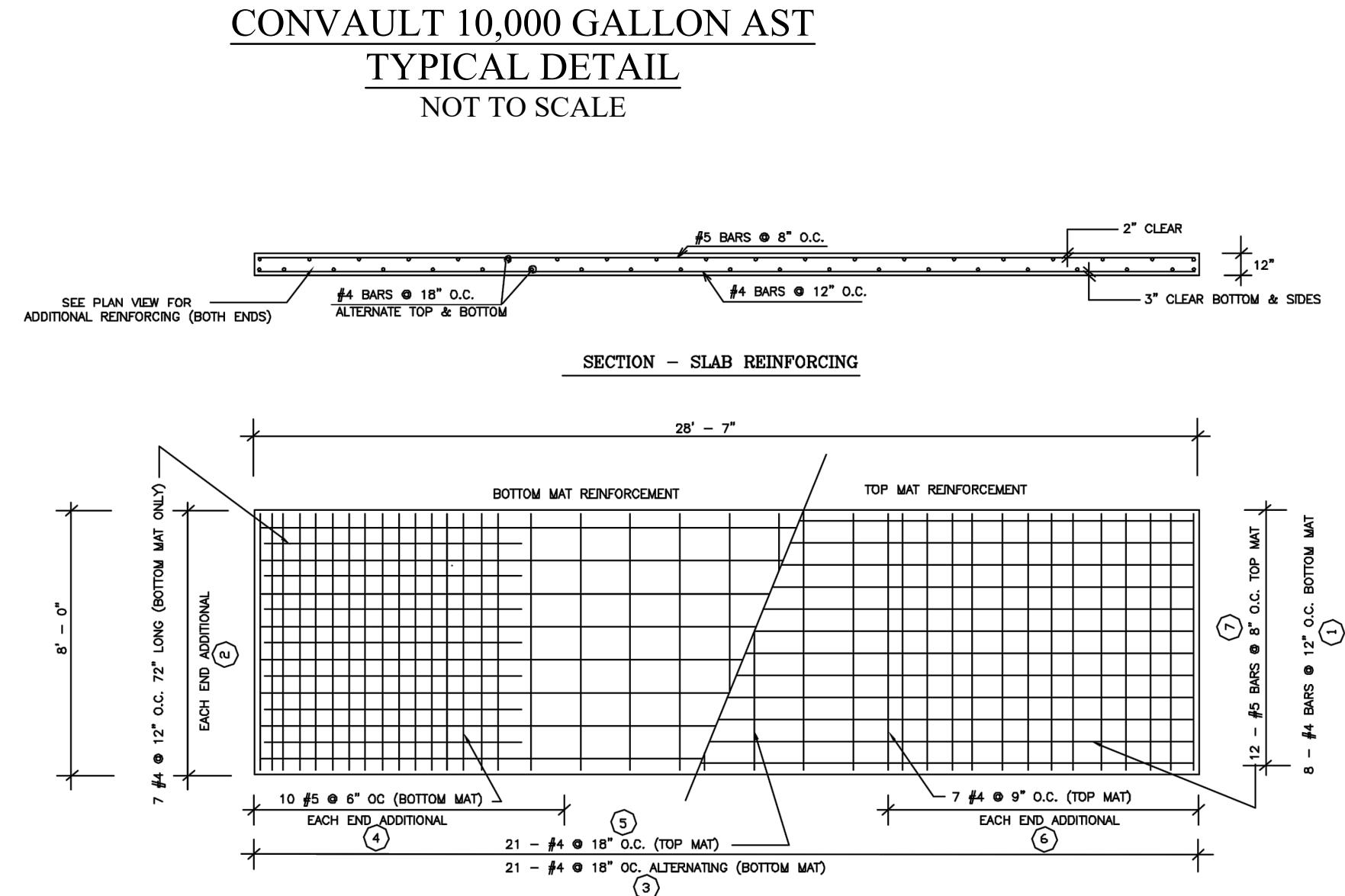
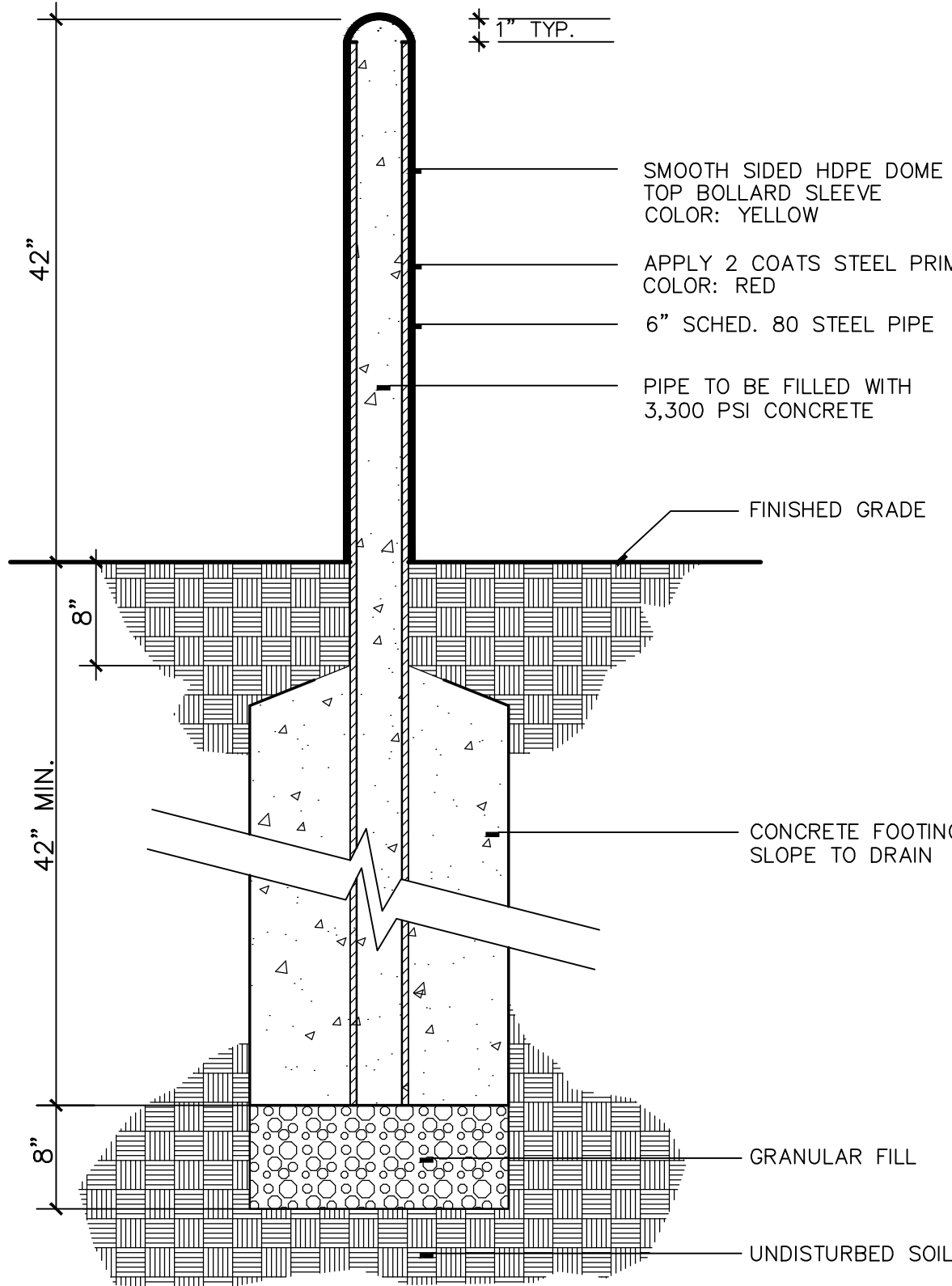
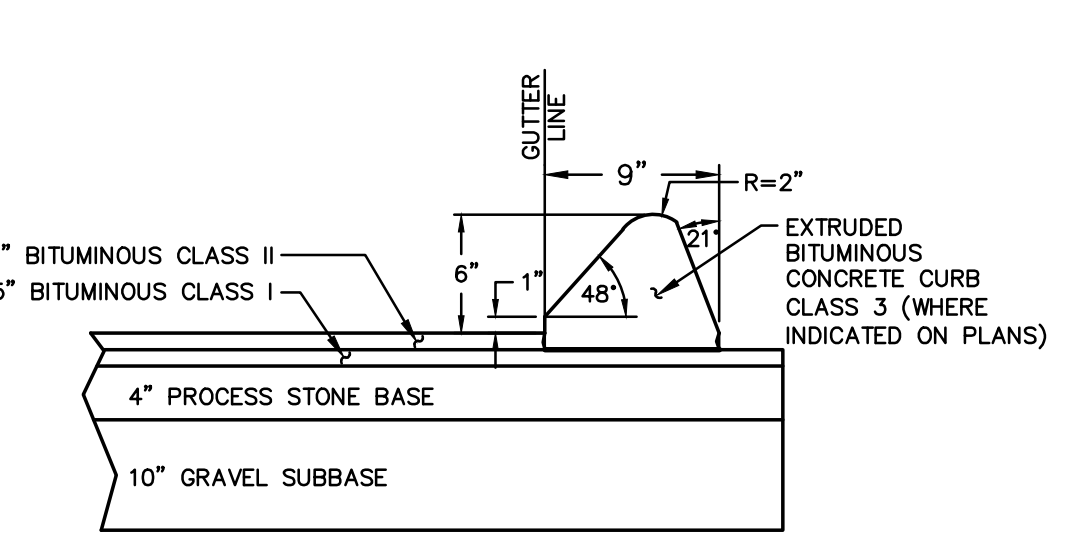
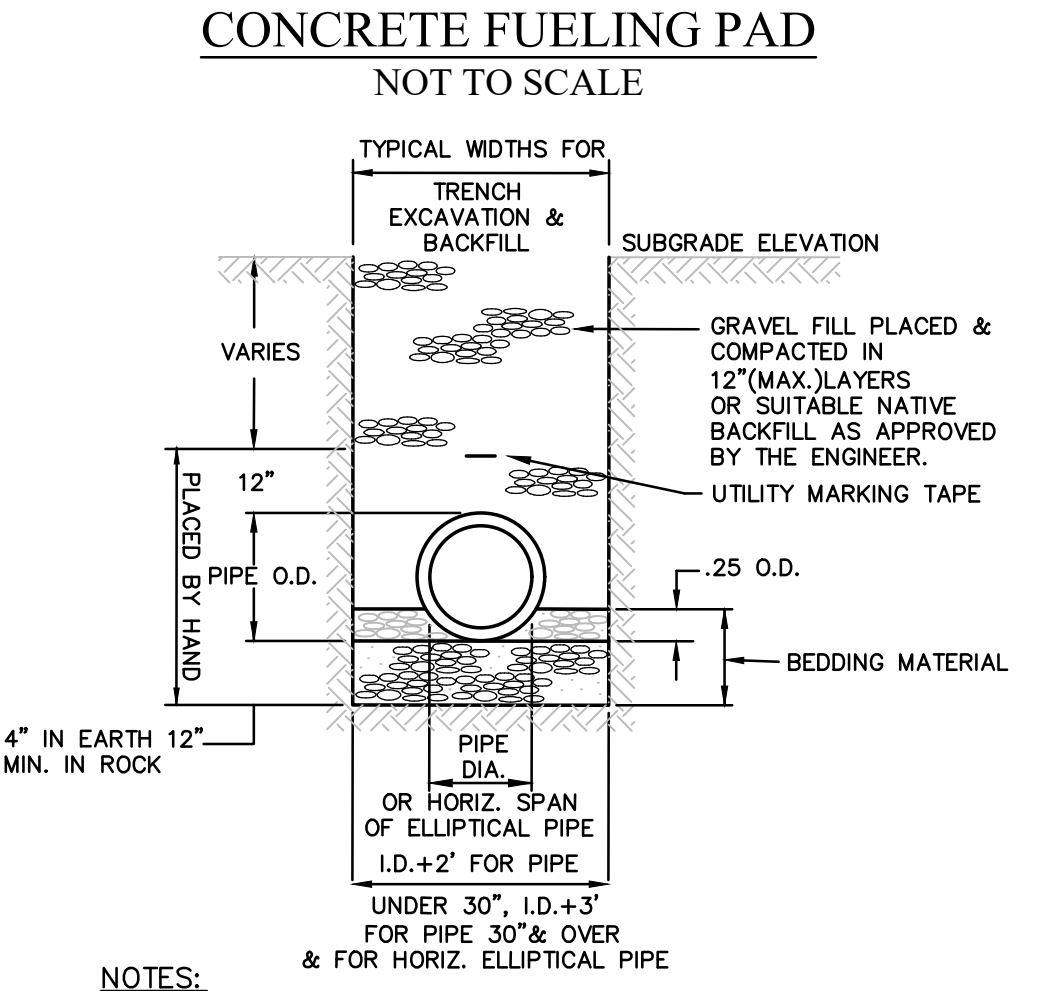
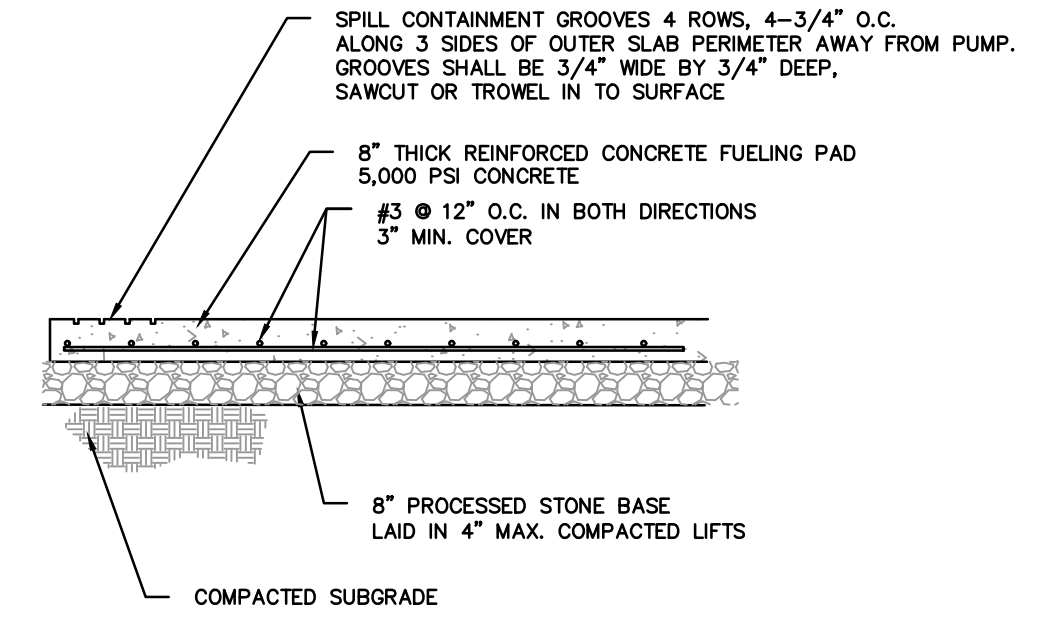
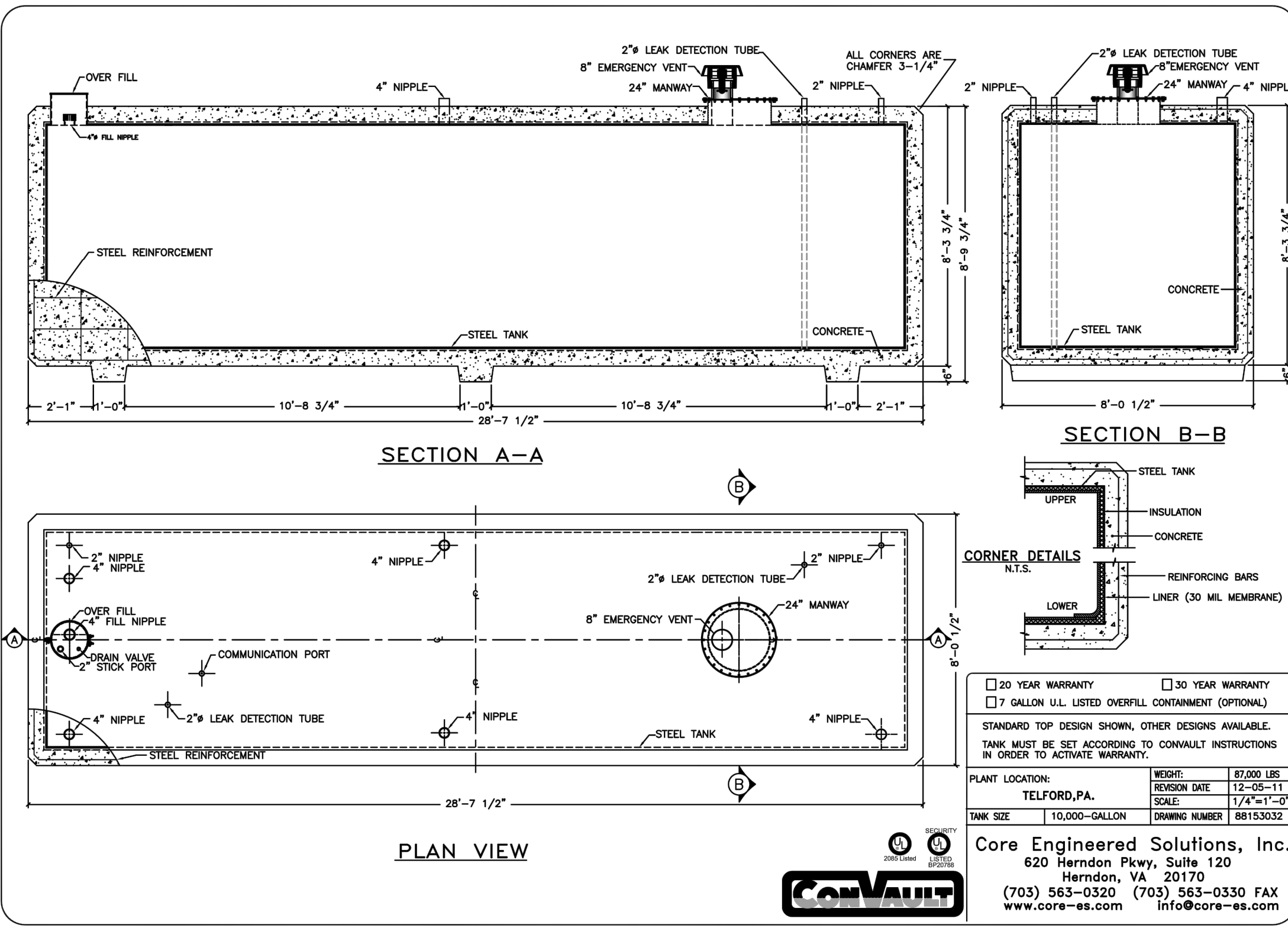
GENERAL SEDIMENTATION AND EROSION CONTROL REQUIREMENTS:

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, ETC. 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.

- ALL CONTROL MEASURES SHALL BE INSTALLED AS NOTED ABOVE AND AS SHOWN ON THE PLANS.
- ALL CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK, INCLUDING PRE-CONSTRUCTION CLEARING AND GRUBBING.
- 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.
- NO CONTROL MEASURES SHALL BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEMAED NECESSARY BY THE ENGINEER.
- 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.
- 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.
- 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.
- SEDIMENT REMOVED FROM CONTROL MEASURES AND DRAINAGE FACILITIES SHALL BE DISPOSED OF IN A MANNER THAT IS CONSISTENT WITH STATE AND LOCAL REGULATIONS.
- 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.



BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL) TYPICAL SECTION

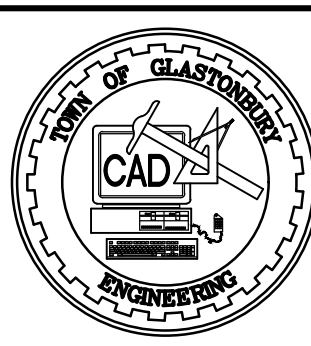
STEEL BOLLARD TYPICAL SECTION

CONVAULT SLAB DETAIL NOT TO SCALE

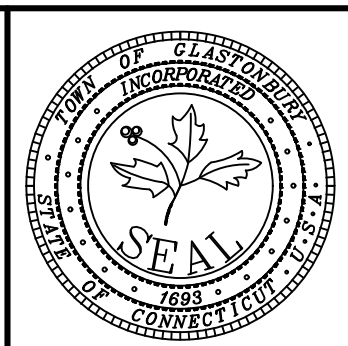
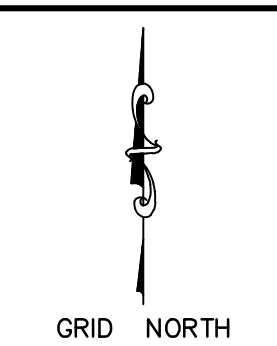
ELECTRIC SERVICE CONDUIT TRENCH DETAIL N.T.S.

TOWN OF GLASTONBURY PROJECT/APPLICANT _____ RESERVED LAND ZONE _____
 2108 MAIN STREET PROJECT ADDRESS _____
 SECTION 12.9 MINOR CHANGE SPECIAL PERMIT SECTION _____ TPZ CHAIRPERSON _____
 DATE SPECIAL PERMIT APP'D _____ DIRECTOR OF COMMUNITY DEVELOPMENT _____
 FILE NO. _____

DRAWING ISSUE STATUS		
NO.	DESCRIPTION	DATE
1.	ISSUED FOR TPZ REVIEW	5/11/2022

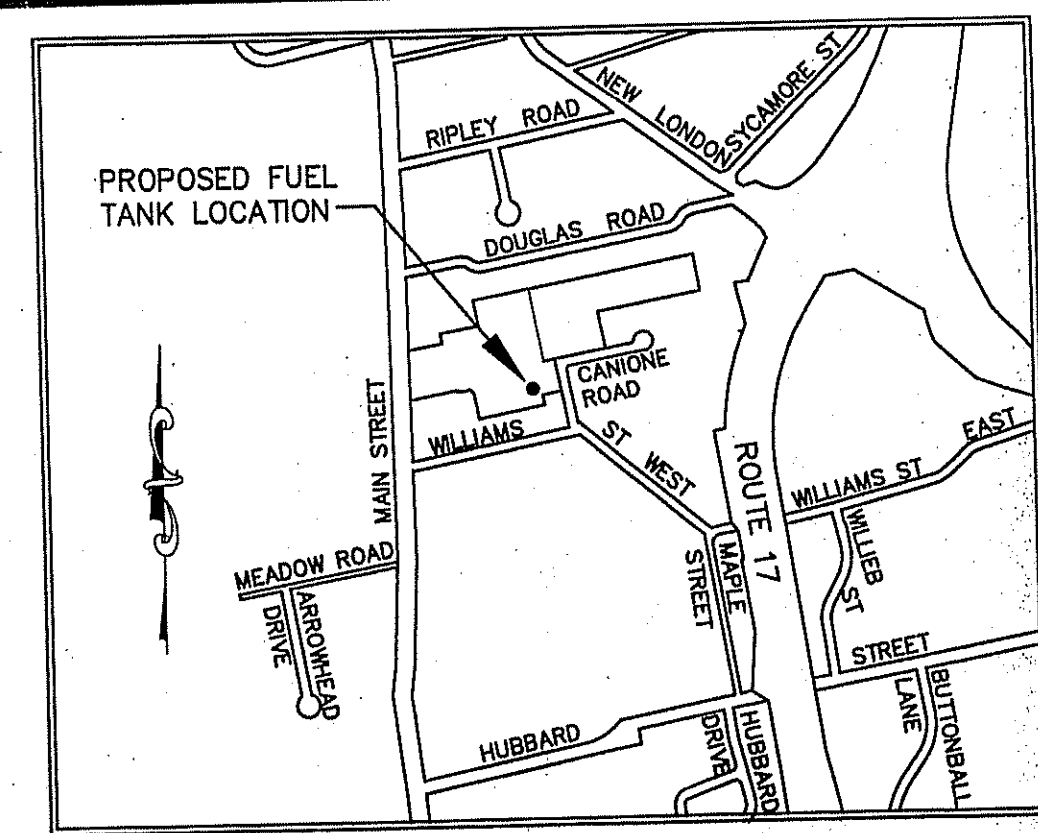


SCALE: AS SHOWN	DATE:
DRAWN BY: S.M.B.	1/21/2022
CHECKED BY: S.M.B.	1/21/2022
APPROVED BY: D.A.P.	1/21/2022
ST. FILE:	



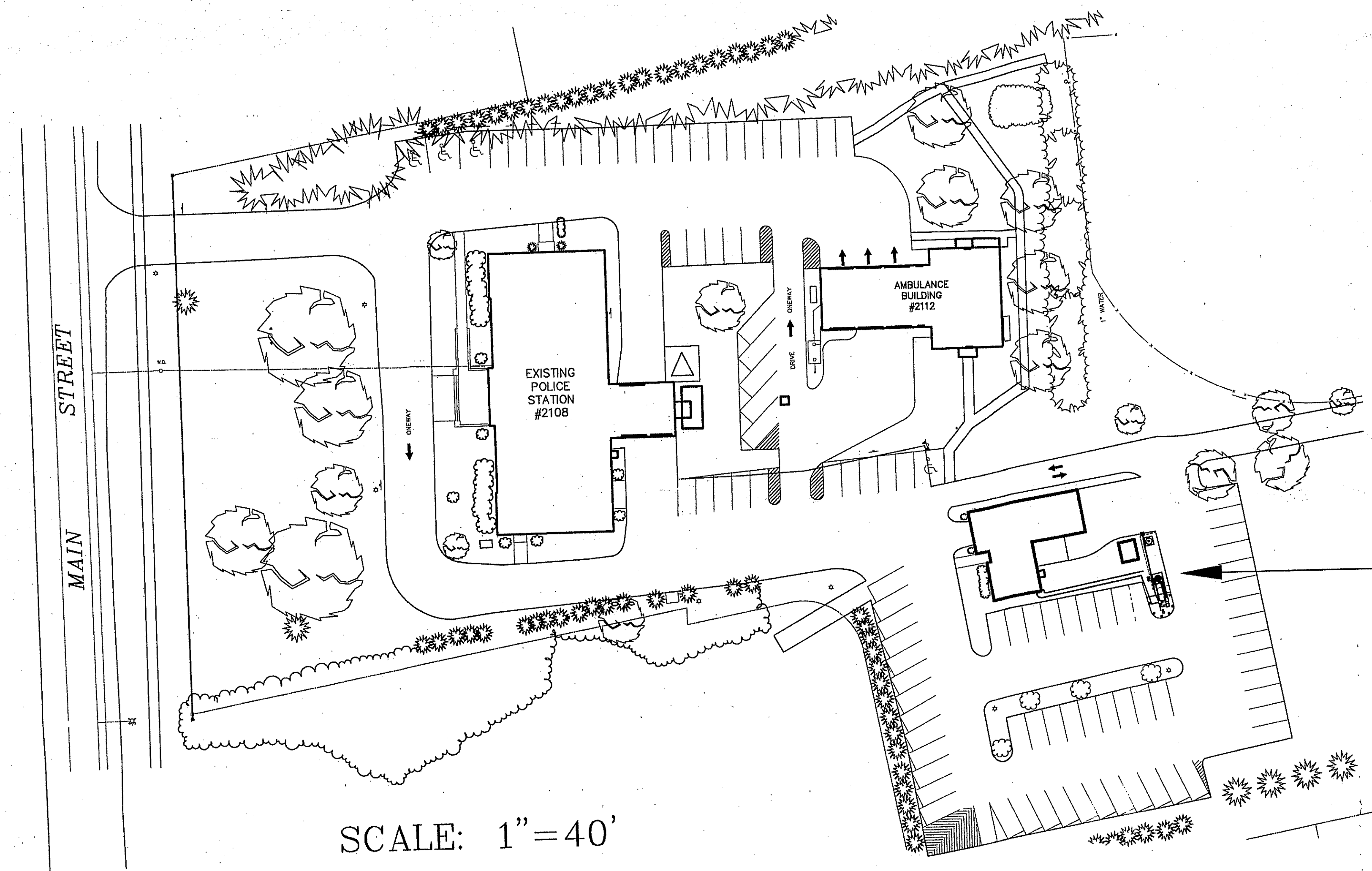
NOTES AND DETAILS
 POLICE DEPARTMENT
 FUELING STATION IMPROVEMENTS
 LOCATED AT
 2108 MAIN STREET
 GLASTONBURY, CONNECTICUT

**ATTACHMENT C:
1995 UST INSTALLATION RECORD PLAN**



LOCATION MAP

SCALE: 1"=1000'

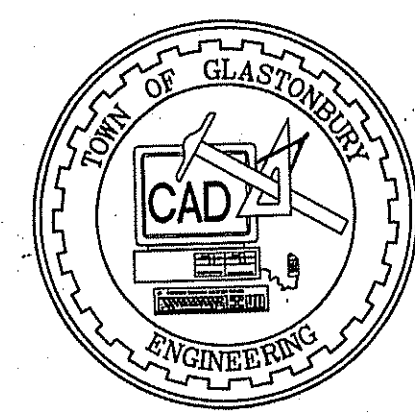


PROPOSED FUEL TANK
INSTALLATION AREA
(SEE SHEET 2)

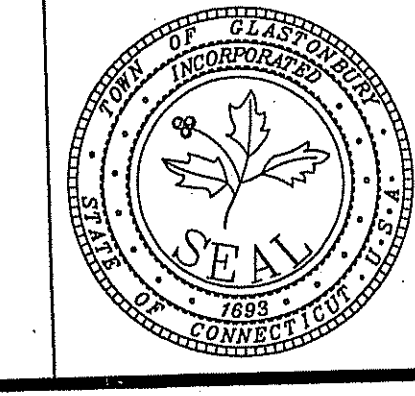
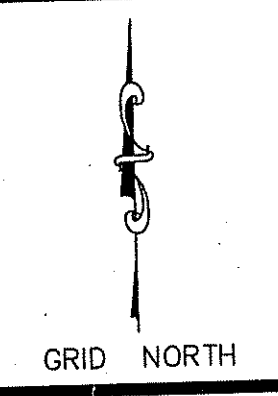
SCALE: 1"=40'

- NOTE:**
1. ALL UNDERGROUND UTILITIES DEPICTED ON THIS MAP MUST BE FIELD VERIFIED BEFORE PERFORMING ANY EXCAVATION.
 2. THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES - CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE PERFORMING ANY EXCAVATION.
 3. THESE PLANS ARE INTENDED FOR SCHEMATIC LAYOUT PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO INSTALL ALL EQUIPMENT ACCORDING TO APPLICABLE CODES AND REGULATIONS.

95-153
RECEIVED
OCT 13 1995
FIRE MARSHAL'S OFFICE
TOWN OF GLASTONBURY



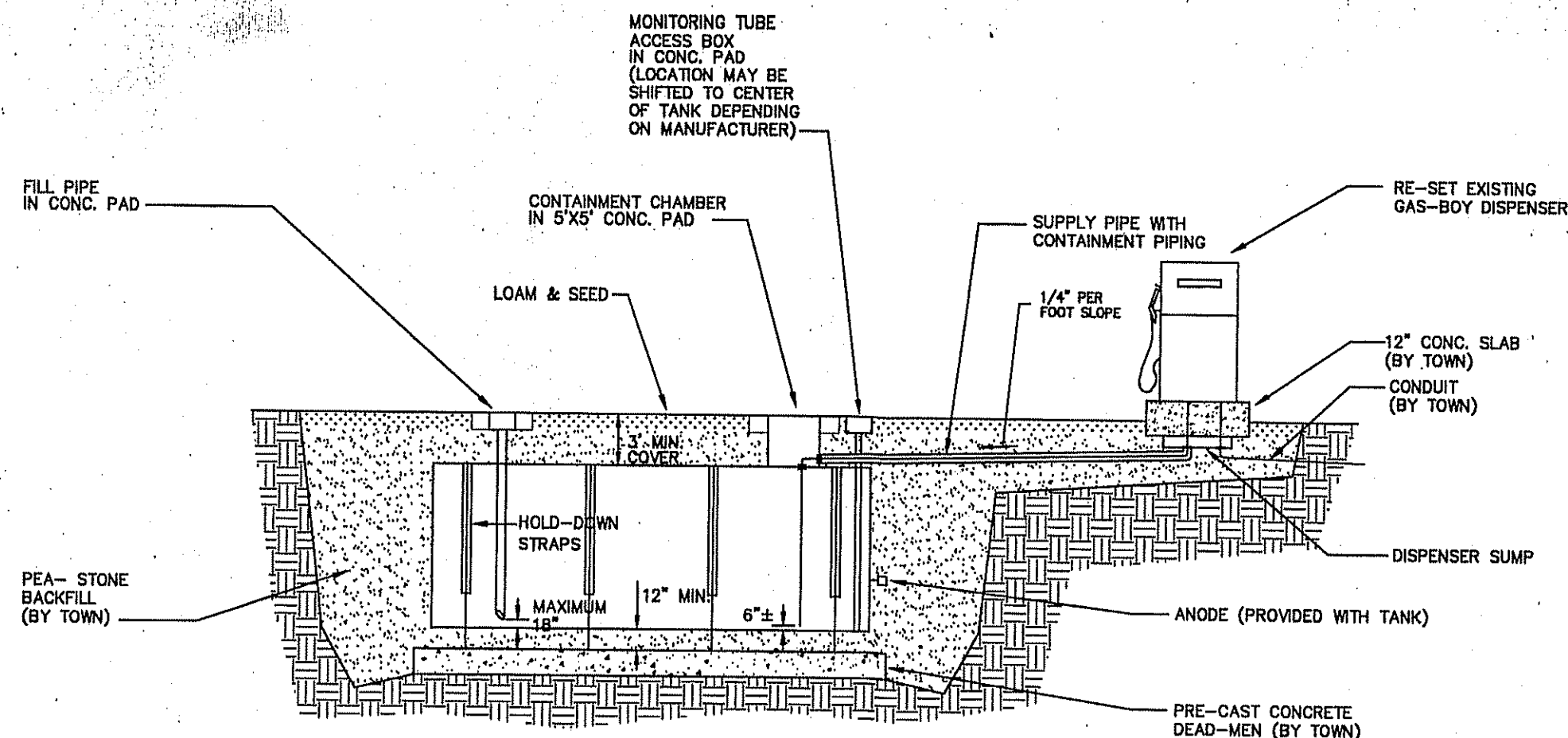
CURRENT DRAWING STATUS			
DRAWN	S.v.P.		8/31/1995
REVISED	C.F.S.		9/8/1995
CHECKED	J.H.M.		9/8/1995
PLOTTED	C.F.S.		9/8/1995
MICROFILMED			
BY	DESCRIPTION	DATE	



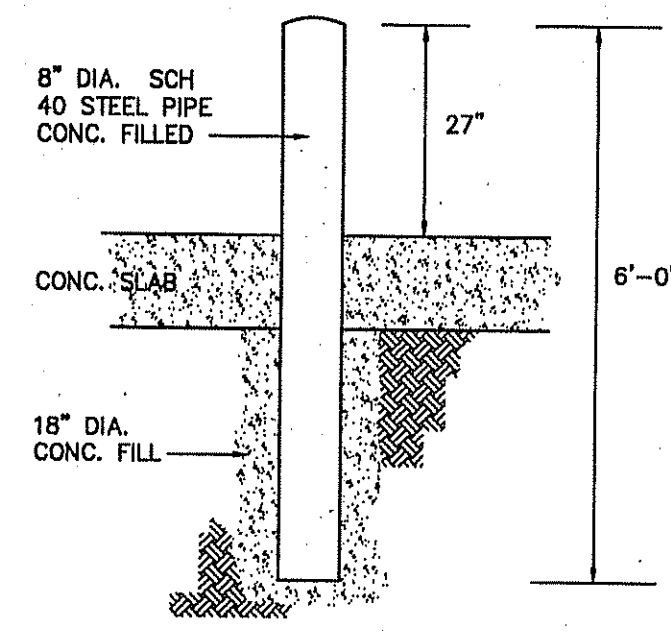
PLAN DEPICTING
POLICE STATION COMPLEX
FUEL TANK REPLACEMENT
MAIN STREET
GLASTONBURY, CONNECTICUT

PW-9507

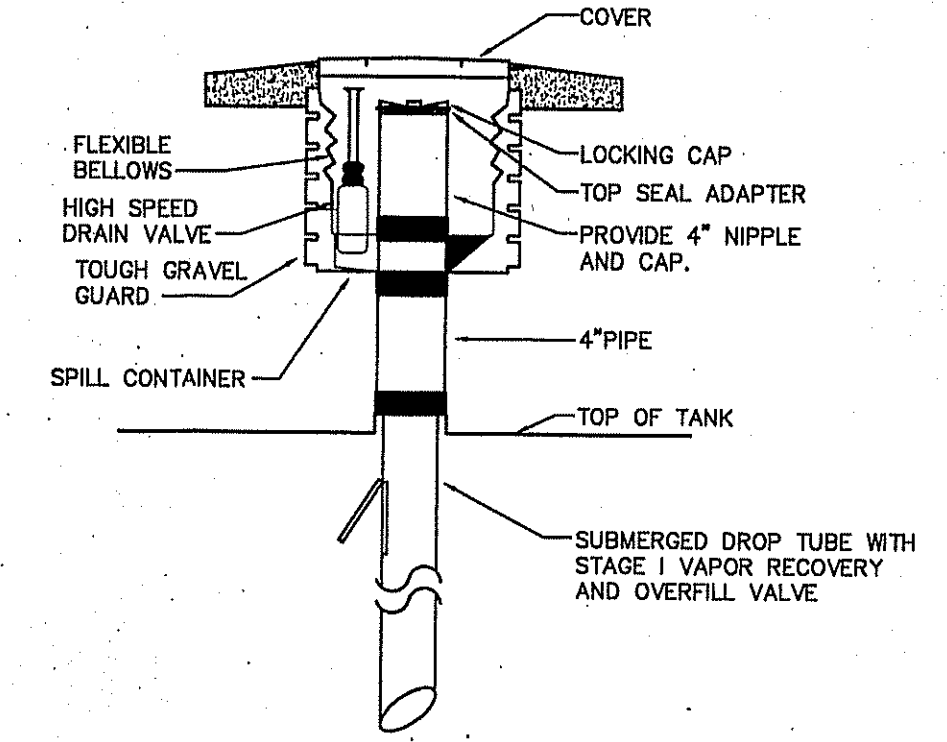
SHEET 1 OF 2



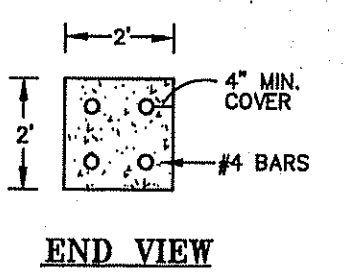
**ELEVATION -
TANK INSTALLATION DETAIL**
NOT TO SCALE



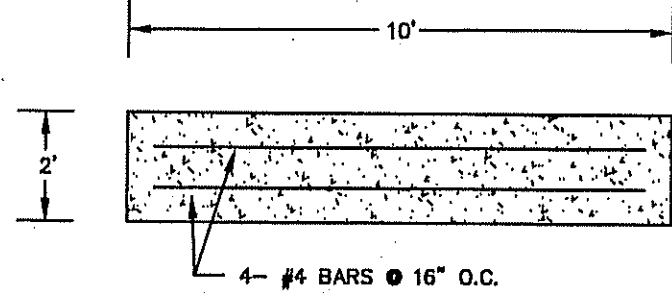
BOLLARD DETAIL
N.T.S.



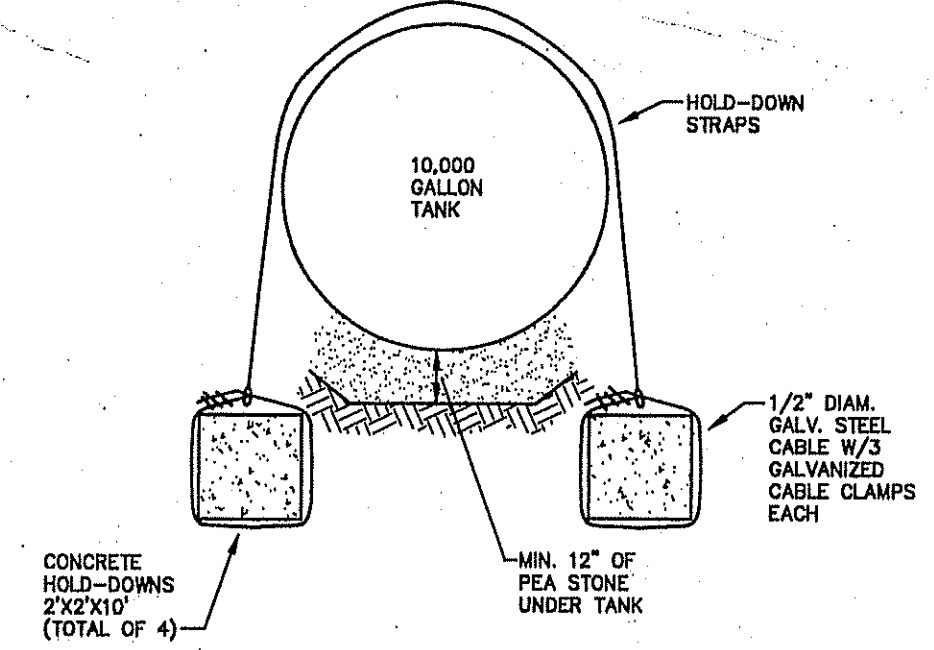
1 STAGE 1 COAXIAL VAPOR RECOVERY FILL PIPE WITH SPILL CONTAINMENT AND OVERFILL PROTECTION VALVE
NOT TO SCALE



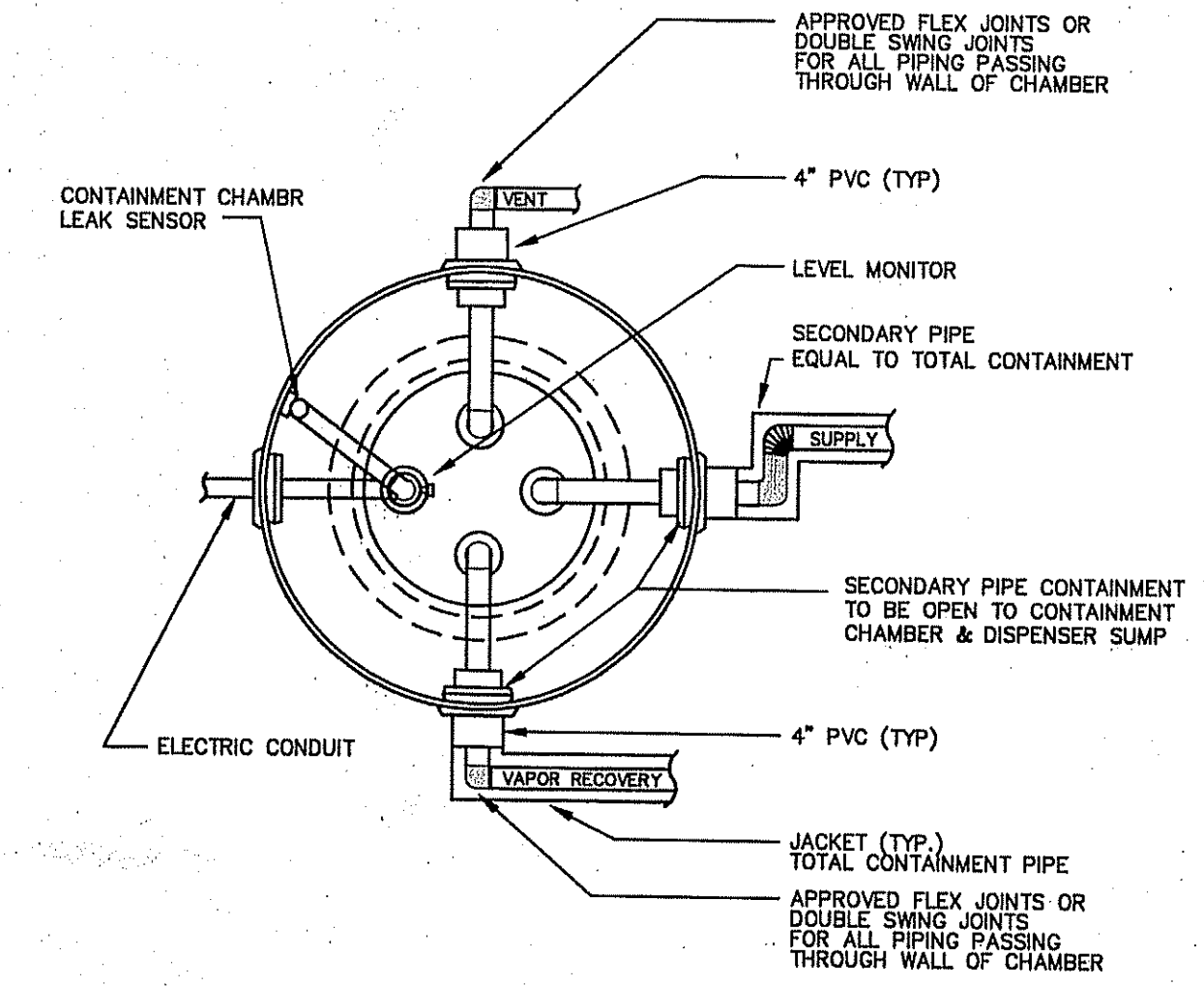
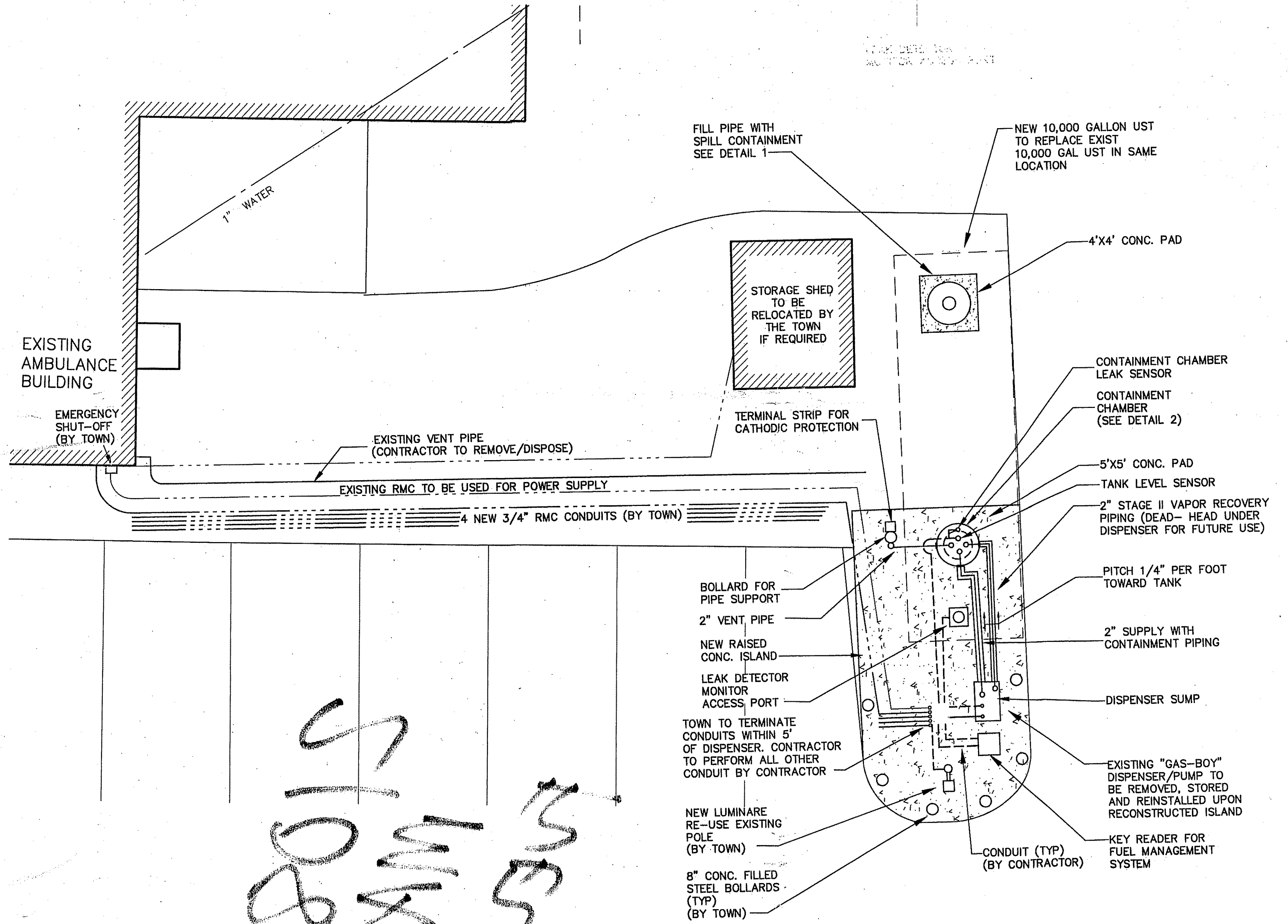
END VIEW



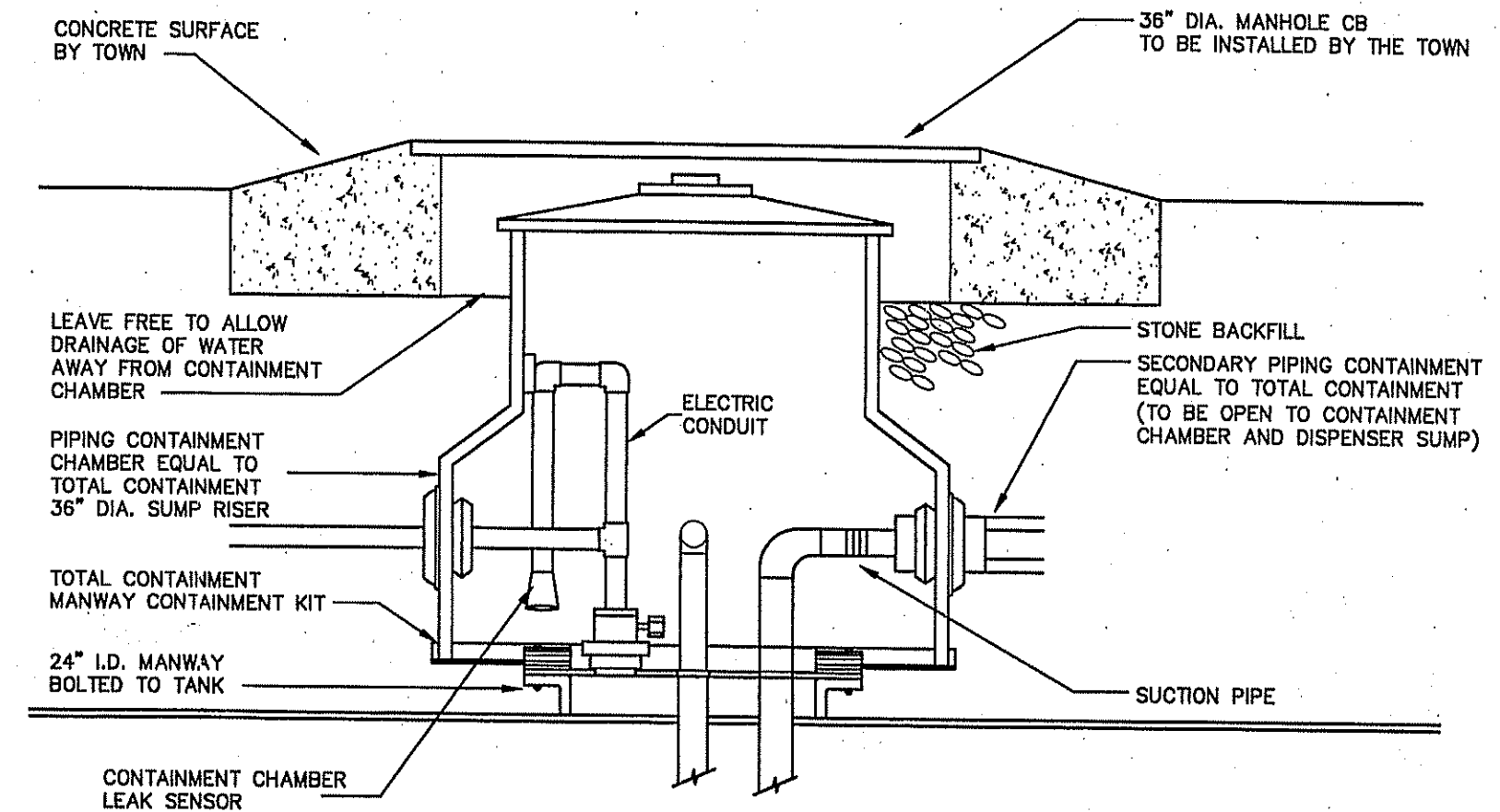
CONCRETE HOLD-DOWN
NOT TO SCALE



TANK HOLD-DOWN DETAIL
NOT TO SCALE



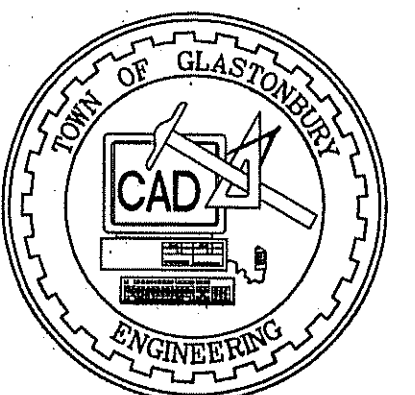
2 CONTAINMENT CHAMBER DETAIL
NOT TO SCALE



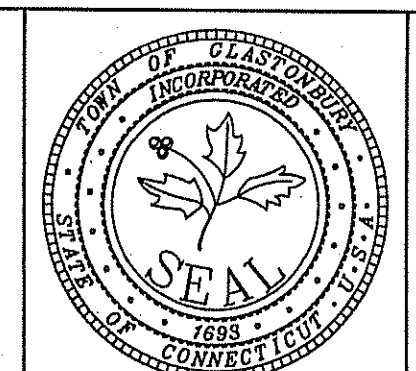
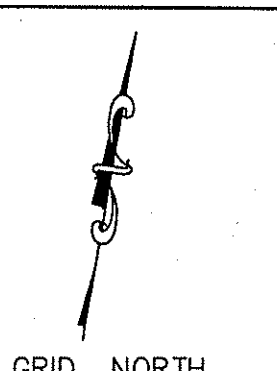
CONTAINMENT CHAMBER SECTION
NOT TO SCALE

- NOTE:**
1. ALL UNDERGROUND UTILITIES DEPICTED ON THIS MAP MUST BE FIELD VERIFIED BEFORE PERFORMING ANY EXCAVATION.
 2. THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES - CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE PERFORMING ANY EXCAVATION.
 3. THESE PLANS ARE INTENDED FOR SCHEMATIC LAYOUT PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO INSTALL ALL EQUIPMENT ACCORDING TO APPLICABLE CODES AND REGULATIONS.

8015
SCALE: 1"=5'



CURRENT DRAWING STATUS		
DRAWN	S.v.P.	DATE
REVIS	S.v.P./C.S.	10/12/1995
CHECKED	J.H.M.	10/12/1995
PLOTTED	C.F.S.	10/12/1995
MICROFILMED		
BY	DESCRIPTION	DATE



**PLAN DEPICTING
POLICE STATION COMPLEX
FUEL TANK REPLACEMENT
MAIN STREET
GLASTONBURY, CONNECTICUT**