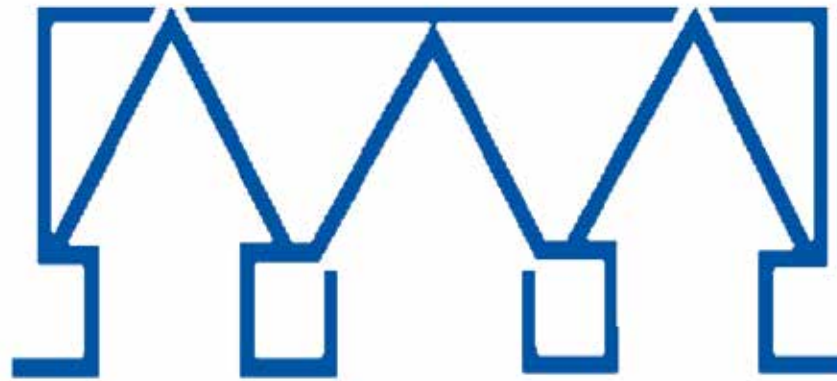




West Haven Community House

227 Elm Street

West Haven, Connecticut 06516

**Bid Contract Documents for
Installation of Storm Drainage
Improvements**

RFP # 2

Date of Issue:

Proposal Submission Deadline: November 26, 2025, 10 AM

Point of Contact: Marie Watson, Executive Director
203-934-5221, mariewatson@whcommunityhouse.org

LEGAL NOTICE

The **West Haven Community House (WHCH)** invites all interested parties to submit sealed bids no later than November 26, 2025, 10:00AM to:

Marie Watson, Executive Director
RFP # 2 Installation of Storm Drainage Improvements
The West Haven Community House
227 Elm Street
West Haven, Connecticut 06516

Tel: 203-934-5221

Email: mariewatson@whcommunityhouse.org

Copies of the bid documents may be obtained from the West Haven Community House Website. www.whcommunityhouse.org

Form 819 Standard Specifications and Supplemental Specifications may be obtained via the Connecticut Department of Transportation's website: [FORM 819](#).

All Bids must be on the form furnished by the WHCH for the above-named project. Each Bidder must deposit with his/her bid a certified check, or a bid bond, for not less than five percent (5%) of the bid as provided in the Information for Bidders.

The West Haven Community House bears no responsibility for misdirected envelopes that are incompletely labeled. Such misdirected envelopes may be declared late and not considered. Faxed or e-mailed bids will not be accepted unless otherwise instructed.

The sealed Bids will be publicly opened and read aloud at The West Haven Community House, 227 Elm Street, West Haven, Connecticut 06516 on the closing time and date stated above.

It is understood and agreed that should a bid proposal be accepted, the detailed bid specifications, including the instructions to bidders and the general terms and conditions and the submitted proposal shall all automatically by this reference, become part of the purchase order, contract, agreement or an addendum to any contract agreed upon.

An affirmative Action/Equal Opportunity Employer. Minority/Women's Business Enterprises are encouraged to apply. This contract is subject to state set-aside and contract compliance requirements.

Bid Contract Documents

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A. SPECIFIC REQUEST FOR BID

The West Haven Community House (WHCH) is requesting sealed bids from qualified contractors for the installation of Storm Drainage Improvements at 227 Elm Street, West Haven, Connecticut 06516.

All documentation, including detailed Specifications, accompanying Drawings, and other documents, are available in separate PDF files posted together with this Request For Bid. The construction duration is 12 Calendar Days and must take place during the following dates December 24, 2025 - January 4, 2026.

REQUEST FOR BID

1.0 General information

The West Haven Community House is seeking bids from qualified contractors for the installation of underground drainage galleries, water quality structures, piping and catch basins. The project aims to mitigate chronic flooding and improve stormwater quality.

2.0 Project scope

The scope of work includes, but is not limited to:

- Excavation and removal of existing storm drainage piping and structures.
- Procurement and installation of new storm drainage piping and structures.
- Procurement and Installation of new water quality structures.
- Procurement and installation of new infiltration galleries.
- Procurement and installation of all required fittings, geotextile fabrics, and stone materials.
- Backfilling and proper compaction of all trenches and excavations.
- Restoration of the site, including paving, landscaping, and other surface features.
- All necessary coordination with utility companies and relevant permitting authorities.
- Compliance with all applicable Connecticut Department of Energy and Environmental Protection (DEEP) regulations.

3.0 Minimum contractor qualifications

Experience: Demonstrated experience with at least three (3) similar projects involving underground drainage installation within the last five (5) years.

Licensing: All relevant Connecticut state licenses for construction and excavation work.

Insurance: See list attached includes but not limited to: Proof of general liability, worker's compensation, and automotive insurance.

References: A minimum of three (3) professional references from projects of a similar scope and complexity.

4.0 Bid format and content

Bids must be submitted in a sealed envelope clearly marked with the RFP number and project name. The submission must include:

1. A completed and signed Bid Form
2. A Bid Bond in the amount of 5% of the bid by either a certified check or a completed and signed Bid Bond Form.
3. A completed, signed and notarized Non-Collusion Affidavit.
4. A completed and signed Non-Discrimination & Affirmative Action Form.
5. A completed Bidder Information Sheet.
6. A completed and signed Commission on Human Rights and Opportunities Contract Compliance Regulations Notifications to Bidders Form.

The above forms are included in the Appendix

5.0 Submission instructions

- **Questions:** All questions and requests for clarification must be submitted in writing by November 19, 2025 at 3 PM to Marie Watson, Executive Director at mariewatson@whcommunityhouse.org.
- Submittal Location: Bids must be delivered to 227 Elm Street, West Haven, CT 06516 by the due date and time. Late bids will not be accepted.
- Electronic Copy: One (1) electronic copy of the bid must also be emailed to mariewatson@whcommunityhouse.org.

6.0 Reservation of rights

The issuing authority reserves the right to reject any and all bids, to cancel this BID, and to waive any irregularities or informalities in the process.

7.0 Important considerations for contractors

- Site Visit: Proposers are strongly encouraged to visit the project site before submitting a bid.
- Compliance: Full compliance with all federal, state, and local laws, codes, and regulations is required.

DOCUMENTS

- **This Request For Bid**
- **Attachment A Project Drawings**
- **Appendix A-J (Forms)**
- **CHRO Contract Compliance Regulations Notification to Bidders – Appendix G**
 - All bidders must complete, sign, and return the: “CHRO Contract Compliance Regulations Notification to Bidders” form to the grantee at the time of bid opening, - section B28 of this BID. **Bids not including this form shall be considered incomplete and rejected.**

B. GENERAL BIDDING INSTRUCTIONS



1. Instructions to Bidders

By submitting a bid, ALL these terms and conditions are agreed upon and shall become part of any contract or agreement, formal, informal, or verbal, and are binding upon notice of an acceptance by WHCH of a bid.

2. Preparation of Bids

- Any blank spaces provided for responses in the Bid must be completed.
- All information shall be either typed or entered in ink. No pencil may be used.
- Descriptive literature containing complete specifications must accompany each bid. If a Bidder wishes to furnish additional information, more sheets may be added.
- The Bidder must state the unit or lump sum prices for which they propose to do each item of the work contemplated.
- In a discrepancy when both words and the numerals are provided, the words will govern.
- Ditto marks are not considered writing or printing and shall not be used.
- "Complete" means that each unit of the equipment proposed shall include all appurtenances, fasteners, parts, accessories, and services ordinarily catalogued.

Corrections - Mistakes may be crossed out and corrections inserted before submission of your bid. The person signing the bid shall initial corrections in ink. Corrections and/or modifications received after the closing time specified will not be accepted.

Signatures - The Bidder shall sign their Bid correctly. If an individual makes the Bid, his/her name, post office address and telephone number must be shown. If made by a firm, partnership, or corporation, the Bid must be signed by an official of the firm, partnership, or corporation authorized to sign and bind the firm into contracts and must show the post office address and telephone number of the firm, partnership, or corporation. Failure to do so may disqualify the bid.

Withdrawals - Withdrawals of bids received later than the time and date specified for bid opening will not be considered.

☒ **3. Questions**

Questions shall be directed to the Executive Director as detailed on page 2 of this request or Robert Wheway rwheway@codespoti.net **no later than seven (7) days prior to the bid closing date.**

☒ **4. Submission of Bids**

Bids shall be submitted in a sealed envelope package to Marie Watson, Executive Director of The West Haven Community House, as detailed on page 2, no later than the date and time specified for the closing. WHCH assumes no responsibility for bid envelopes or packages that may be misdirected due to incomplete information on the outside of the delivery package (FedEx/USPS/UPS), and such misdirected bid may, at WHCH's discretion, be declared late to the Executive Director and not opened or considered. Late bids and bids will not be accepted, opened, or considered. Faxed or emailed bids will not be considered, unless otherwise instructed.

Bids will be publicly opened at The West Haven Community House, 227 Elm Street, West Haven, Connecticut 06516 on the closing date and time with the Bidders name and price(s) read aloud.

☒ **5. Familiarity with the Work and Contract Documents**

Each Bidder is considered to have examined the work, location, project or specifications to fully acquaint him with the exact existing conditions relating to the work and has fully informed himself as to the work and effort required and involved and the difficulties and restrictions in attending to the performance of this bid. The submission of a bid shall be considered as conclusive evidence that the Bidder has made such an examination.

It is the Bidder's responsibility to obtain all necessary permits (except those specifically stated as being the responsibility of WHCH per the applicable specification sections), determine permit fees, and pay such fees prior to the start of work. All construction work shall adhere to the latest editions of the applicable State and Local standards as such shall apply for the work being performed.

At the time of the opening of bids each Bidder will be presumed to have inspected the work and to have read and to be thoroughly familiar with all of the Contract Documents (including all addenda) as issued, if sample Contract Documents have been included. The failure or omission of any Bidder to receive or examine any form, instruction or document shall in no way relieve any Bidder from any obligation in respect to their bid.

☒ **6. Compliance with Federal, State and Local Laws**

The Bidder shall be responsible for full compliance with any and all Federal, State and/or Local codes, laws, regulations, and standards, as applicable, including all OSHA regulations as applicable, for the work and goods or services being provided.

This includes complying with the Provisions of the Immigration Reform and Control Act of 1986 effective and enforceable as of June 6, 1987 which Act makes unlawful the hiring for employment or subcontracting individuals failing to provide documentation of legal eligibility to work in the United States. The Bidder shall hold WHCH harmless for the failure of the Bidder to comply with the provisions of said Act.

☒ **7. Competition Intended**

It is WHCH's intent that this BID permit competition. It shall be the Bidder's responsibility to advise WHCH in writing if any language, requirement, scope, specification, etc., or any combination thereof, inadvertently restricts or limits the requirements stated in this BID to a single source.

Such notification must be received by WHCH not later than seven (7) days prior to the date set for acceptance of bid.

☒ **8. Non-Collusion Certification**

The Bidder hereby states and certifies that by submitting a signed bid, that the submitted bid is genuine and is not a collusive or sham bid. The Bidder certifies that the officers, owners, agents representatives, employee's or any party of interest has not in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder firm or person to submit a collusive or sham bid, in connection with the contract for which the attached bid has been submitted or refrain from bidding in connection with such contract or has in any manner directly or indirectly sought agreement or collusion or communications or conference with any other Bidder, firm or person to fix the price(s), overhead, profit, or cost elements of the bid price or the bid price of any other Bidder, or to secure through collusion, conspiracy, connivance, or unlawful agreement any advantage against WHCH or any person interested in the proposed contract.

The Bidder certifies that the prices quoted are fair and proper and are not tainted in any way by collusive, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any of its agents, officers, owners, employee's, or representatives.

☒ **9. Independent Project Cost Determination**

By submission of a bid, the Bidder certifies that in connection with its procurement:

- Unless otherwise required by law, the financial data which has been quoted in this offer have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to award, directly or indirectly to any other Bidder or to any competitor.
- No attempt has been made or will be made by the Bidder to induce any other person or firm to submit or not to submit an offer for the purpose of restricting competition.

☒ **10. Gratuities or Other Conflicts**

By submission of a bid, the Bidder certifies that in connection with its procurement:

No employee of WHCH shall benefit financially or materially from this contract.

The Bidder certifies that no officer or employee or any person whose salary is payable in whole or in part by WHCH is directly or indirectly interested in the bid, or in the supplies, materials, equipment, work or labor to which it relates or in any of the profits thereof.

☒ **11. Incurring Costs**

WHCH is not liable for any cost incurred for the preparation of bids or submission of samples by the Bidders submitting bids for the work requested.

☒ **12. Freedom of Information Act (FOIA) and Confidential Information**

All submitted materials and documents are subject to the CT FOIA laws with very limited exceptions as listed in CT General Statute 1-210 (b) (24) and elsewhere in the FOIA laws and regulations.

The Bidder shall hold WHCH its officers, agents, servants, and employees, harmless from liability of any nature or kind because of use of any copyrighted or un-copyrighted compositions, secret process, patented or unpatented inventions, articles or appliances furnished or used under this bid, and agrees to defend, at their own expense, any and all actions brought against WHCH or themselves because of the unauthorized use of such articles.

☒ **13. Ownership Information**

WHCH shall have unlimited rights to use, disclose, or duplicate, for any purpose whatsoever, all information developed, derived, documented, or furnished by the Bidder under any contract resulting from this BID.

In the event of contract award, all data collected, and other documentation produced as part of the contract will become the exclusive property of WHCH and may not be copied or removed by any employee of the Bidder without written permission of WHCH.

☒ **14. Availability of Funds**

The contract award under this BID is contingent upon the availability of funds by WHCH for this engagement.

In the event that funds are not available, any contract resulting from this BID will become void and of no force and effect.

☒ **15. Addenda and Interpretations**

If a Bidder contemplating submitting a bid is in doubt as to the true meaning of any part of these specifications, they may submit a written request for an interpretation to the Executive Director, as detailed on page 2 of this request.

No interpretations as to the meaning of the plans, specifications or other Contract Documents will be made to any Bidder orally.

Every request for such interpretation should be in writing, addressed to the Executive Director, as detailed on page 2 of this request (with the bid number and bid title in the subject line).

To be given consideration, requests must be received at least five (5) days prior to the date fixed for the opening of Bids.



16. Alternate Bids

The specifications listed are to be interpreted as meaning the minimum acceptable by WHCH. Bidders are requested to submit quotations on the basis of these specifications.

Alternative bids providing a broader scope and/or services than requested in these specifications may receive consideration providing such equipment and/or service is clearly explained and will be at the sole discretion of WHCH as to what is in its best interest.

Any exceptions to the specifications, requested herein must be clearly noted in writing and are to be included as a part of your bid proposal.

If none are included, it will be assumed that there are none.

Exceptions may be considered to the specification provided, providing they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS".

Each exception will be considered as to its degree of impact and total effect on the bid.

The purchaser shall determine which (if any taken) exceptions are acceptable, and this determination shall be final.



17. Estimate of Work

For bidding purposes, the work may have been subdivided into unit price items.

The quantities shown are to be considered as approximate only.

WHCH Does not expressly or by implication agree that the actual quantity will correspond therewith but reserves the right to increase or decrease the amount of any item or portion of the work as deemed necessary.

The bidder is responsible for verifying all quantities.

☒ **18. Ambiguity in the Request for Bid**

Prior to submitting the bid, the Bidder is responsible for bringing to WHCH'S attention any ambiguity in this BID.

Failure to do so shall result in the Bidder forfeiting any claim for adjustment based on such ambiguity as should have been noted by a prudent Bidder.

In the event of any ambiguity between WHCH and the Bidder's bid, then whatever shall be more favorable to WHCH as determined in the sole discretion of the agency shall prevail and take precedence.

☒ **19. Quotation Limitation**

Bidders shall offer only one item and price for each line item bid. If an "Or- Equal" item is to be bid, the Bidder is to select the brand and model that meets or exceeds the specified item and submit their bid for that item.

☒ **20. Samples**

Samples of articles, when required, shall be furnished free of cost of any sort to WHCH.

Samples received may be retained by WHCH for future comparison.

Samples which are not destroyed by testing, or which are not retained for future comparison will be returned upon request at the Bidder's expense.

☒ **21. Sales Tax**

Certain materials and supplies incorporated in the work of this project are exempt from Connecticut Sales Tax.

The Bidder shall familiarize their selves with current regulations of the State Tax Department.

The tax on materials or supplies exempted by such regulations shall not be included as part of the bid.

WHCH will furnish the successful Bidder with a valid Certificate sales tax exemption for non-profit. .

☒ **22. Power of Attorney**

Attorneys-in-fact who sign contractor bonds must file, with each bond, a certified and effectively dated copy of their power of attorney

☒ **23. Subcontractors**

Each Bidder contemplating the use of any subcontractor shall, if requested and required, submit a list of subcontractors attached to the bid, as necessary.

The apparent low Bidder, if requested, shall provide WHCH, within five (5) days after the date of bid opening, a complete list of the names and addresses of competent, responsible, and qualified subcontractors who are actually to perform major portions of the work.

This in no way restricts or limits the requirement that all subcontractors must be approved by WHCH.

Subcontractors listed on the Bid Form or those previously approved may not be changed without the approval of WHCH.

The Bidder shall certify on progress payments that Subcontractor(s) shall be paid at the same percentage for work performed as part of the progress payment and shall be paid in full within a reasonable time of final payment.

Failure to pay subcontractors may be a factor in qualification for future work.

☒ **24. Qualification of Bidder**

In determining the qualifications of a Bidder, WHCH may consider their record in the performance of any contracts for similar work into which they may have previously entered; and WHCH expressly reserves the right to reject the bid of such Bidder if such record discloses that such Bidder, in the opinion of WHCH has not properly performed such contracts or has habitually, and without just cause, neglected the payment of bills or has otherwise disregarded his obligations to subcontractors, suppliers, state or local codes, men or employees of subcontractors.

WHCH may make such investigation as they deem necessary to determine the ability of the Bidder to perform the work and the Bidder shall furnish to WHCH all such information and data for this purpose as WHCH may request.

WHCH reserves the right to reject any bid if the evidence submitted by or the investigation of such Bidder fails to satisfy WHCH that such Bidder is properly qualified, or that such Bidder misrepresented material facts in the bid documents.

Qualified Bidders shall be current with any and all taxes, fees along with any and all other payments owed to the State of Connecticut, or their related entities.



25. Disqualification of Bidders

More than one bid from an individual, firm, partnership, corporation, or an association under the same or different names will not be considered.

Reasonable grounds for believing that any Bidder is interested in more than one bid for the work contemplated will cause the rejection of all bids in which such Bidder is interested.

Any or all bids in which such Bidder is interested will be rejected if there is reason for believing that collusion exists among the Bidders and all participants in such collusion will not be considered in future bids for the same work.

Bids in which the individual prices are obviously unbalanced may be rejected.

No Contract will be awarded except to competent Bidders capable of performing the class of work contemplated.



26. Department of Administrative Services (“DAS”) Prequalification

This work does require State of Connecticut DAS Contractor Prequalification. Contractors must be pre-qualified by CTDAS to bid and to perform the work of the contract.



27. Connecticut’s Prevailing Wage Rates

This work is not subject to the State of Connecticut’s Prevailing Wage rates.

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28. SBE/MBE Set Aside Provisions

This work is subject to the State of CT Commission on Human Rights and Opportunities (CHRO) set aside program and contract provisions.

All bidders must complete, sign, and return the: "CHRO Contract Compliance Regulations Notification to Bidders" form to the grantee at the time of bid opening.

Bids not including this form shall be considered incomplete and rejected. A copy of the form is available in a separate PDF document post with this BID.

The contractor who is selected to perform this State project must comply with CONN. GEN. STAT. §§ 4a-60, 4a-60a, 4a-60g, and 46a-68b through 46a-68f, inclusive, as amended by June 2015 Special Session Public Act 15-5.

State law requires a minimum of twenty-five (25%) percent of the state-funded portion of the contract for award to subcontractors holding current certification from the Connecticut Department of Administrative Services ("DAS") under the provisions of CONN. GEN. STAT. § 4a-60g. (25% of the work with DAS certified Small and Minority owned businesses and 25% of that work with DAS certified Minority, Women and/or Disabled owned businesses.) The contractor must demonstrate good faith effort to meet the 25% set-aside goals.



29. Contract

A contract is expected to be executed by both parties upon receipt of a satisfactory bid package with all required documents and notice of award.



30. Standard Forms

Bids must be made upon forms contained in this document. Bidders may attach a letter of explanation; a notation should be made on the standard bid sheets at the appropriate point to reference a letter of explanation attached.

All bids must be NET prices.



31. Acceptance or Rejection of Bid

WHCH reserves the right to accept or reject any or all options, bids, or bids; to waive any technicality in any bid or part thereof, and to accept any bid deemed to be in the best interest of WHCH.

WHCH reserves the right to accept or reject any bid to best serve in its interests.

WHCH will make its award to the “Lowest Responsible and Qualified Bidder”.

“Lowest Responsible and Qualified Bidder” means the bidder whose bid is the lowest of those bidders possessing the skill, ability and integrity necessary to faithfully perform the work will be selected. Previous performance, quality of service and merchandise will be considered, as appropriate.

All instructions, general conditions, and detail specifications of this request for offers shall be incorporated by reference into any contract or agreement, simply upon notice of an award.



32. Bid Submissions

The following items shall be submitted for a bid to be considered complete:

- a) Bid elements discussed in Section A of this BID document



33. Withdrawal of Bid

Bidders may withdraw their bids at any time prior to the closing date and time.

No agent/broker shall withdraw or cancel their bid for a period of fifteen (15) days after the bid closing date and time.

The successful agent/broker shall not withdraw, cancel, or modify their bid.

☒ **1. Bid Opening**

All bids responding to this Request For Bid that are received by WHCH will be opened at 227 Elm Street West Haven CT 06516 on the date and time stated on Page 2 of this document.

☒ **2. Notification of Bid Award**

Notification of the bid award will be made by issuance of a purchase order which will be evidence of a formal contract of award.

☒ **3. Project Site Sign**

A DECD project sign is required to be erected when work is being completed. (PDF).

☒ **4. Good Standing**

At the time of award the successful Bidder will be required to supply WHCH a Certificate of Good Standing, certifying that the corporation is in fact a valid Corporation, Partnership, LLC or Sole Proprietorship and presently licensed to conduct business in the State of Connecticut as per all applicable law or regulations for the work being performed.

☒ **5. Insurance Certificates**

At the time of award, the successful Bidder will be required to supply WHCH Certificates of Insurance, if required, for the full amounts specified in Appendix A.

In addition, Professional Liability insurance will be required for professional firms performing services.

☒ **6. Bonds**

In addition to the Bid Bond required in Page 2 of this Request For Bid, a Performance and Payment Bond will be required for this work.

☒ **7. Nondiscrimination in Employment**

The successful Bidder shall agree and warrant that in the performance of this contract they will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, sex, religion, or national origin in any manner prohibited by State, Federal, County, or Municipal law. If requested and required, a certification of Non-segregated Facilities and a Certification Regarding Equal Employment Opportunity shall be considered a part of this contract.

Please see APPENDIX E – Non-Discrimination and Affirmative Action Provisions for Municipal Public Works/Quasi-Public Agency Project Contracts.

☒ **8. Delivery**

Inasmuch as this work concerns a needed public improvement or goods or service, the provisions of this bid relating to the time of delivery, performance, and completion of the work are of the essence of this bid. Accordingly, the successful Bidder shall commence work upon receipt of the signed Purchase Order unless WHCH shall authorize or direct a further delay. Time of delivery shall be stated as the number of calendar days following receipt of the Purchase Order by the Bidder to receipt of the goods or services by WHCH. Prices quoted must include delivery to WHCH as specified on the Purchase Order. No additional charges will be allowed unless specifically stated and included in this bid.

Time of delivery may be considered in the award.

☒ **9. Care and Protection of Property**

The Bidder shall take particular care to avoid damages to all private and public property and to private or public improvements within WHCH property. Bidder shall make good any damages to the satisfaction of WHCH. There shall be no additional compensation for the repair or restoration of private or public property improvements.

☒ **10. Guarantee**

The Bidder shall unconditionally guarantee for a period of one (1) year, except as specifically noted within these documents, from the date of acceptance, all materials, supplies, equipment, and services; including but not limited to its workmanship, delivery, and installation. If within the guarantee period there are any defects or signs of deterioration the Bidder shall repair, adjust, or replace the item(s) to the complete satisfaction of WHCH. These repairs, adjustments, or replacements are at the sole expense of the Bidder and shall be made at such times that are agreeable to WHCH so that it is least detrimental to instructional or other programs.

☒ **11. Manufacturers Specifications**

All work shall be performed to manufacturer's specifications in such a manner as to fully protect all warranties and guarantees.

Certified and trained personal shall be used, at the Bidders expense, where directed by the manufacturer.

All work shall fully conform to the manufacturers specifications.

Any and all costs by failure to follow manufacturer's specifications shall be fully born by the Bidder, including all consequences including loss of warranties and guaranties.

☒ **12. Emergency Work**

The Bidder shall file with the Executive Director an after-hours telephone number of a person authorized with the firm who may be contacted regarding emergency work at the job site that may be required during non-working hours for reasons of public safety or to protect property from further damage.

The person shall be readily available and have full authority to deal with any emergency that may occur to mitigate further issues.

☒ **13. Negotiated Changes**

In the event negotiated changes occur after the awarding of the contract, any policies called for in the original contract will remain in effect.

☒ **14. Payment**

WHCH, after inspection and acceptance of the goods and/or workmanship, and in consideration of the faithful performance by the Bidder of all and singular his covenants, promises, and agreements contained herein, agrees to pay the Bidder for the full completion by him of the work embraced in this Contract, within (30) Thirty Days of the receipt of the final invoice.

Unless otherwise instructed, the successful Bidder shall submit invoices to the following:

The West Haven Community House
Finance Department
227 Elm Street
West Haven, CT 06516

☒ **15. Mechanics Lien Waivers**

When subcontractors or suppliers are utilized, the successful Bidder for this project will be required to submit a Mechanics Lien Waiver, acceptable to WHCH, with each progress payment and/or at time of final payment prior to any payment being made.

16. Liquidated Damages

As a prerequisite to executing a construction contract with the “Lowest Responsible and Qualified Bidder”, the Contractor shall agree on the substantial completion date and construction duration in the executed construction contract, in accordance with the plans, project manual, and other contract documents, taking into consideration average weather conditions, availability of labor delivery of materials and equipment.

If the Contractor neglects, fails or refuses to achieve substantial completion of work by the substantial completion date in the executed construction contract, and such delay is not otherwise excused under this contract, then the Contractor shall agree to pay the Owner a liquidated damage for breach of contract for each and every calendar day that the Contractor shall be in default of the project work.

☒ **17. Termination for Default or for the Convenience of the Contracting Agency**

Performance under any contract resulting from this BID may be terminated by WHCH whenever:

- The Bidder shall default in the performance of his/her contract and shall default within the period specified by the contracting officer in a notice specifying default; or
- The Executive Director shall determine that termination is in the best interest of WHCH.
- Termination will be effected by delivery to the Bidder of a notice to terminate, stating the date upon which the termination becomes effective.
- In the event of termination of this agreement as a result of a breach by the Bidder hereunder, WHCH shall not be liable for any fees and may, at its sole option, award an agreement of the same services to another qualified firm with the best bid or call for new bids and award the agreement thereunder. The Bidder shall be responsible for direct and consequential damages as a result of its breach, including but not limited to, extra costs required under the new agreement of similar services.

An affirmative Action/Equal Opportunity Employer. Minority/Women's Business Enterprises are encouraged to apply. This contract is subject to state set-aside and contract compliance requirements.

CONTRACTORS CHECK LIST

The following forms are required for submittal for the above referenced bid and shall be submitted with the bid proposal pages by the time and date specified. This checklist is provided for the Bidder's use and shall not be required for submittal.

The following forms shall be submitted in duplicate.

FORM DESCRIPTION

1. BID PROPOSAL PAGES
2. BID BOND (Appendix H)
3. CERTIFICATE AS TO CORPORATE PRINCIPAL
4. FORM OF SURETY GUARANTY
5. BIDDER GENERAL INFORMATION SHEET (Appendix C)
6. NON-COLLUSION AFFIDAVIT (Appendix D)
7. NON-DISCRIMINATION & AFFIRMATIVE ACTION FORM (Appendix E)
8. CHRO- BIDDER CONTRACT COMPLIANCE MONITORING REPORT (Appendix G)

WEST HAVEN COMMUNITY HOUSE
SCHEDULE OF PRICES FOR
INSTALLATION OF DRAINAGE IMPROVEMENTS - 227 ELM STREET
IN THE TOWN OF WEST HAVEN
RFP #2

Date of Bid Opening: November 24, 2025 Time: 10:00AM

NO BIDS WILL BE ACCEPTED AFTER THE BID OPENING TIME - NO EXCEPTIONS

The bidder shall fill in under the column "Unit Price Bid" the unit prices, written in words and numbers, for which her/she proposes to perform the various items of work called for, and under the column headed "Amount" the amount of each of the items at the unit price bid. After the proposal is opened and read, the quantities will be extended and totaled in accordance with the written bid prices and the bid will be verified or corrected.

Contractor Name: _____ Contractor Address: _____

Spec #	Items	Units	Approximate Quantities	Unit Price Bid		Amount (Figures)
				Figures	Writing	
2.02	CUT BITUMINOUS CONCRETE PAVEMENT	L.F.	925			
2.02	UNSUITABLE MATERIAL EXCAVATION	C.Y.	1			
2.02	TEST PITS	E.A	1			
4.06	TEMPORARY PAVEMENT	S.Y.	450			
5.86	CATCH BASIN WITH C.L. TOP - (0-10' DEEP)	EA.	2			
5.86A	WATER QUALITY STRUCTURE ¹	EA.	2			
5.86B	CONCRETE GALLERY - (4'H X4'W X 8'L)	EA.	4			
5.86C	STORMTECH DC-780 GALLERY	EA.	21			
6.86	12" HDPE PIPE (0-10' DEEP)	L.F.	131			
6.86	8" HDPE PIPE (0-10' DEEP)	L.F.	32			
6.86	6" HDPE PIPE (0-10' DEEP)	L.F.	137			
9.75	MOBILIZATION AND PROJECT CLOSEOUT	L.S.	1			
9.80	CONSTRUCTION SURVEYING	L.S.	1			

¹ Water quality Structures to include installation only. Units have been pre-purchased by West Haven Community House

Total Amount of Bid: _____

Contractor Signature: _____

This bid includes provisions outlined in the following Addendums issued during the Bidding process (include date issued):

Addendum 1: _____	Addendum 4: _____
Addendum 2: _____	Addendum 5: _____
Addendum 3: _____	Addendum 6: _____

APPENDIX A - INSURANCE REQUIREMENTS

Each successful Bidder shall comply with the following insurance obligations:

Bidder shall at all times carry and maintain at the Bidder's sole expense, on all operations hereunder:

A Certificate of Insurance for the Limits of Liability stated below should be e-mailed to the Purchasing Manager, as detailed on page 2 of this request.

Bidders may not perform any work until all insurance requirements are met.

- 1. A Comprehensive General Liability Insurance** as will protect the Bidder, WHCH, the State and any subcontractor performing work covered by this Contract, from claims for damages for personal injury, including accidental or wrongful death, as well as claims for property damages, which may arise from operations under this Contract whether such operations be by the Bidder or by any subcontractor or by anyone directly or indirectly employed by either of them. Liability insurance shall include premises and operations, products, contractual, owners, and contractors' protective. The minimum amounts of such insurance shall be as follows:

- Commercial General Liability:
\$1,000,000 per occurrence
- Bodily Injury Liability and Property Damage Liability:
\$1,000,000 per occurrence
- General Aggregate:
\$2,000,000
- The West Haven Community House and the State of Connecticut shall be named as Additional Insured on the Certificate of Insurance

- 2. Worker's Compensation Insurance and Employer's Liability** for all employees employed at the site and in case any work is sublet, the Bidder shall require the subcontractor similarly to provide Worker's Compensation Insurance for all employees of the later unless such employees are covered by the protection afforded by the Contractor.

- Worker's Compensation and
Employer Liability: Statutory
Limits

- 3. Comprehensive Auto Liability Insurance**

Bodily Injury Insurance and Property Damage Insurance covering the operation of all Motor Vehicles owned, hired and/or non-owned by the Bidder, or used by the Bidder in the Prosecution of the work under the Contract, shall be in the minimum of \$1,000,000 each occurrence.

- 4. Builder's Risk Insurance**

When applicable, Builder's Risk Insurance should be obtained either through the general contractor or construction manager. A copy of the Builder's Risk Certificate should be provided to DECD with the State of Connecticut listed as A.T.I.M.A.

All policies relating to this Contract shall be so written so that WHCH shall be notified of cancellation or change at least thirty (30) days prior to the effective date for each policy and type of coverage except for nonpayment which shall be ten (10) days prior to the cancellation. Renewal certificate covering the renewal of all policies expiring during the life of the Contract shall be filed with WHCH not less than ten (10) days before the expiration of such policies. Failure to do so will result in work stoppage and possible contract cancellation.

APPENDIX B - HOLD HARMLESS AGREEMENT

To be signed, notarized and returned with the bid

To the fullest extent permitted by law, the undersigned Bidder shall defend, indemnify and Hold Harmless The West Haven Community House, the State of Connecticut and Engineer, their affiliated entities, and their employees and agents (collectively "the indemnified parties") , with respect to all losses, damages, fines, penalties, costs and expenses and liabilities, including, but not limited to, costs and expenses of defending against any of the foregoing, arising from any claim, suit or action in which it is alleged or determined that any injury to or death of any person, or damage or destruction to the property of any person caused, in whole or part by : (i) the acts or omissions, whether negligent, willful or otherwise, of Bidder, it's employees or agents; (ii) the violation of any statute, rule, ordinance or regulation, by Bidder, it's employees or agents; or (iii) Bidders agents or employees performance of, non- performance of, or failure to properly perform, its obligations and duties under this contract.

The forgoing obligations to defend and indemnify shall apply regardless of any allegation or determination that an Indemnified Party caused or contributed to, or was liable for, in whole or in part, the death, injuries or damages alleged. Bidder hereby acknowledges its assumption of full and complete responsibility and liability for losses, claims, suits, actions, damages, fines, penalties, costs, expenses and liabilities arising from any of the causes listed herein above, even in cases where the Bidders assumption of such responsibility and liability involves the defense and indemnification of an Indemnified Party from the consequences of its own alleged negligence. Bidder hereby agrees that no condition precedent to its obligations to defend and indemnify stated herein, whether by way of notice or otherwise, exists or shall constitute a defense to such obligations.

IN WITNESS WHEREOF, the parties hereto have set their hand and seal this:

Signed, Authorized Company Representative

Date

Printed, Authorized Company Representative

Signed, Sealed and Delivered in the Presence of:

Signed, Notary Public

Date

Printed, Notary Public

APPENDIX C – BIDDER GENERAL INFORMATION SHEET

Please use this or include in the bid

Company Name: _____
Address _____

Contact Name: _____
Contact E-mail: _____
Telephone: _____
Type of Entity: ☐ Corporation ☐ Partnership ☐ LLC or LLP ☐ Sole Proprietor ☐ Other (List)
Years in Business: _____

References

Organization:	
Contact Name:	
Contact E-mail:	
Contact Phone:	
Services Provided:	

Organization:	
Contact Name:	
Contact E-mail:	
Contact Phone:	
Services Provided:	

Organization:	
Contact Name:	
Contact E-mail:	
Contact Phone:	
Services Provided:	

APPENDIX D – CONTRACT AND NON-COLLUSION AFFIDAVIT

A contract is expected to be executed by both parties upon receipt of a satisfactory bid package with all required documents and notice of award.

The undersigned proposer, having fully informed himself/herself/itself regarding the accuracy of the statements made herein, certifies that:

- (1) the bid is genuine; it is not a collusive or sham bid;
- (2) the proposer developed the bid independently and submitted it without collusion with, and without any agreement, understanding, communication or planned common course of action with, any other person or entity designed to limit independent competition;
- (3) the proposer, its employees and agents have not communicated the contents of the bid to any person not an employee or agent of the proposer and will not communicate the bid to any such person prior to the official opening of the bid; and
- (4) no employee of The West Haven Community House is directly or indirectly interested in the proposer's bid, or in the supplies, materials, equipment, work or labor to which it relates, or in any of the profits thereof.

The undersigned proposer further certifies that this affidavit is executed for the purpose of inducing The West Haven Community House to consider its bid and make an award in accordance therewith.

Legal Name of Proposer

(signature)
Proposer's Representative, Duly Authorized

Name of Proposer's Authorized
Representative

Title of Proposer's Authorized Representative

Date

Subscribed and sworn to before me this _____ day of _____, 20____.

Notary Public
My Commission Expires:

APPENDIX E – NON-DISCRIMINATION & AFFIRMATIVE ACTION

PROPOSER'S CERTIFICATION **Concerning Equal Employment Opportunities** **And Affirmative Action Policy**

I/we, the proposer, certify that:

- 1) I/we are in compliance with the equal opportunity clause as set forth in Connecticut state law (Executive Order No. Three, <http://www.cslib.org/exeorder3.htm>).
- 2) I/we do not maintain segregated facilities.
- 3) I/we have filed all required employer's information reports.
- 4) I/we have developed and maintain written affirmative action programs.
- 5) I/we list job openings with federal and state employment services.
- 6) I/we attempt to employ and advance in employment qualified handicapped individuals.
- 7) I/we are in compliance with the Americans with Disabilities Act.
- 8) I/we (check one):
_____ have an Affirmative Action Program, or
_____ employ 10 people or fewer.
- 9) I/we have read and understand the RFP Documents and all addenda and our proposal has been made on the basis thereof.

Legal Name of Proposer

(signature)
Proposer's Representative, Duly Authorized

Name of Proposer's Authorized
Representative

Title of Proposer's Authorized Representative

Date

APPENDIX F – PREVAILING WAGE DETERMINATION



Wage and Workplace Standards Division
Wage Payment/Prevailing Wage • Minimum Wage/Overtime
Workplace Standards

June 29, 2025

Amy Guay-Macfarlane – Executive Director
West Haven Community Center
227 Elm St.
West Haven, CT 06516

Re: Applicability of Prevailing Wage to the Project #2023-155-094-10001 West haven Community Center – West Haven, CT

Dear Ms. Guay-Macfarlane:

Pursuant to your June 24, 2025, email request for a written opinion from the Connecticut Labor Department on the applicability of the prevailing wage statutes, Connecticut General Statute Sec. 31-53 to the above-captioned construction project, please accept the following opinion and analysis.

As you may know, section 31-53(a) of the Connecticut General Statutes provides:

Each contract for the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public works project by the state or any of its agents, or by any political subdivision of the state or any of its agents, shall contain the following provision...

At the outset, it is important to define the nature of a “public works project” within the meaning of the state statute. Although there is no specific definition contained in the statute, the term has been defined by the Federal Davis-Bacon Act to include:

...building or work, the construction, prosecution, completion, or repair of which...is carried on directly by authority of or with funds of a Federal Agency to serve the interest of the general public regardless of whether title thereof is in a federal agency.

Based on a review of the description of the proposed construction contained in the materials you sent for consideration, please be advised that this agency concludes that the nature of the proposed construction is not subject to the requirements of prevailing wage for reasons including, but not limited to, the following:

- (1) The construction project is essentially a private endeavor financed exclusively by a private funding source and is not being performed by the state or any of its agents, or by the City of West Haven, CT or any of its agents;

Connecticut Department of Labor • 200 Folly Brook Boulevard, Wethersfield, CT 06109-1114

www.ctdol.state.ct.us • 860.263.6790 • 860.263.6791 • Fax: 860.263.6541

An Equal Opportunity/Affirmative Action Employer

- (2) The City of West Haven has removed itself from having any role in the actual letting out of contracts or the payment of funds to contractors; and
- (3) The construction plans and design rest exclusively within the province of the funding sources and are not subject to the approval of the City of West Haven or an agent thereof.

It should be noted that this reflects the opinion of the Connecticut Department of Labor is based solely on the facts and circumstances presented in the instant request and does not preclude the possibility of private actions which may be based upon differing interpretations of state or federal law. In the event that the circumstances described in your materials are not an accurate depiction of the construction activity with respect to the proposed project, this agency reserves the right to alter this opinion to the extent necessary to ensure compliance with state law.

If you have any questions, please do not hesitate to contact.

Sincerely,

Mary Toner

Mary Toner – Field Supervisor
State of Connecticut – Department of Labor
Wage & Workplace Standards Division
200 Folly Brook Blvd.
Wethersfield, CT 06109
Mary.Toner@ct.gov
(860) 263-6606

MT/ds/bm/hc

COMMISSION ON HUMAN RIGHTS AND OPPORTUNITIES

CONTRACT COMPLIANCE REGULATIONS

NOTIFICATION TO BIDDERS

(Revised 09/3/15)

The contract to be awarded is subject to contract compliance requirements mandated by [Sections 4a-60](#) and [4a-60a](#) of the Connecticut General Statutes; and, when the awarding agency is the State, [Sections 46a-71\(d\)](#) and [46a-81i\(d\)](#) of the Connecticut General Statutes. There are Contract Compliance Regulations codified at [Section 46a-68j-21 through 43](#) of the Regulations of Connecticut State Agencies, which establish a procedure for awarding all contracts covered by [Sections 4a-60](#) and [46a-71\(d\)](#) of the Connecticut General Statutes.

According to [Section 46a-68j-30\(9\)](#) of the Contract Compliance Regulations, every agency awarding a contract subject to the contract compliance requirements has an obligation to “aggressively solicit the participation of legitimate minority business enterprises as bidders, contractors, subcontractors and suppliers of materials.” “Minority business enterprise” is defined in [Section 4a-60](#) of the Connecticut General Statutes as a business wherein fifty-one percent or more of the capital stock, or assets belong to a person or persons: “(1) Who are active in daily affairs of the enterprise; (2) who have the power to direct the management and policies of the enterprise; and (3) who are members of a minority, as such term is defined in subsection (a) of [Section 32-9n](#).” “Minority” groups are defined in [Section 32-9n](#) of the Connecticut General Statutes as “(1) Black Americans . . . (2) Hispanic Americans . . . (3) persons who have origins in the Iberian Peninsula . . . (4) Women . . . (5) Asian Pacific Americans and Pacific Islanders; (6) American Indians . . .” An individual with a disability is also a minority business enterprise as provided by [Section 4a-60g](#) of the Connecticut General Statutes. The above definitions apply to the contract compliance requirements by virtue of [Section 46a-68j-21\(11\)](#) of the Contract Compliance Regulations.

The awarding agency will consider the following factors when reviewing the bidder’s qualifications under the contract compliance requirements:

- (a) the bidder’s success in implementing an affirmative action plan;
- (b) the bidder’s success in developing an apprenticeship program complying with [Sections 46a-68-1 to 46a-68-17](#) of the Administrative Regulations of Connecticut State Agencies, inclusive;
- (c) the bidder’s promise to develop and implement a successful affirmative action plan;
- (d) the bidder’s submission of employment statistics contained in the “Employment Information Form”, indicating that the composition of its workforce is at or near parity when compared to the racial and sexual composition of the workforce in the relevant labor market area; and
- (e) the bidder’s promise to set aside a portion of the contract for legitimate minority business enterprises. [See Section 46a-68j-30\(10\)\(E\)](#) of the Contract Compliance Regulations.

INSTRUCTIONS AND OTHER INFORMATION

The following **BIDDER CONTRACT COMPLIANCE MONITORING REPORT** must be completed in full, signed, and submitted with the bid for this contract. The contract awarding agency and the Commission on Human Rights and Opportunities will use the information contained thereon to determine the bidders compliance to [Sections 4a-60](#) and [4a-60a](#) CONN. GEN. STAT., and [Sections 46a-68j-23](#) of the Regulations of Connecticut State Agencies regarding equal employment opportunity, and the bidder’s good faith efforts to include minority business enterprises as subcontractors and suppliers for the work of the contract.

1) Definition of Small Contractor

[Section 4a-60g](#) CONN. GEN. STAT. defines a small contractor as a company that has been doing business under the same management and control and has maintained its principal place of business in Connecticut for a one year period immediately prior to its application for certification under this section, had gross revenues not exceeding fifteen million dollars in the most recently completed fiscal year, and at least fifty-one percent of the ownership of which is held by a person or persons who are active in the daily affairs of the company, and have the power to direct the management and policies of the company, except that a nonprofit corporation shall be construed to be a small contractor if such nonprofit corporation meets the requirements of subparagraphs (A) and (B) of subdivision [4a-60g](#) CONN. GEN. STAT.

2) Description of Job Categories (as used in Part IV Bidder Employment Information) (Page 2)

MANAGEMENT: Managers plan, organize, direct, and control the major functions of an organization through subordinates who are at the managerial or supervisory level. They make policy decisions and set objectives for the company or departments. They are not usually directly involved in production or providing services. Examples include top executives, public relations managers, managers of operations specialties (such as financial, human resources, or purchasing managers), and construction and engineering managers.

BUSINESS AND FINANCIAL OPERATIONS: These occupations include managers and professionals who work with the financial aspects of the business. These occupations include accountants and auditors, purchasing agents, management analysts, labor relations specialists, and budget, credit, and financial analysts.

MARKETING AND SALES: Occupations related to the act or process of buying and selling products and/or services such as sales engineer, retail sales workers and sales representatives including wholesale.

LEGAL OCCUPATIONS: In-House Counsel who is charged with providing legal advice and services in regards to legal issues that may arise during the course of standard business practices. This category also includes assistive legal occupations such as paralegals, legal assistants.

COMPUTER SPECIALISTS: Professionals responsible for the computer operations within a company are grouped in this category. Examples of job titles in this category include computer programmers, software engineers, database administrators, computer scientists, systems analysts, and computer support specialists

ARCHITECTURE AND ENGINEERING: Occupations related to architecture, surveying, engineering, and drafting are included in this category. Some of the job titles in this category include electrical and electronic engineers, surveyors, architects, drafters, mechanical engineers, materials engineers, mapping technicians, and civil engineers.

OFFICE AND ADMINISTRATIVE SUPPORT: All clerical-type work is included in this category. These jobs involve the preparing, transcribing, and preserving of written communications and records; collecting accounts; gathering and distributing information; operating office machines and electronic data processing equipment; and distributing mail. Job titles listed in this category include telephone operators, bill and account collectors, customer service representatives, dispatchers, secretaries and administrative assistants, computer operators and clerks (such as payroll, shipping, stock, mail and file).

BUILDING AND GROUNDS CLEANING AND MAINTENANCE: This category includes occupations involving landscaping, housekeeping, and janitorial services. Job titles found in this category include supervisors of landscaping or housekeeping, janitors, maids, grounds maintenance workers, and pest control workers.

CONSTRUCTION AND EXTRACTION: This category includes construction trades and related occupations. Job titles found in this category include boilermakers, masons (all types), carpenters, construction laborers, electricians, plumbers (and related trades), roofers, sheet metal workers, elevator installers, hazardous materials removal workers, paperhangers, and painters. Paving, surfacing, and tamping equipment operators; drywall and ceiling tile installers; and carpet, floor and tile installers and finishers are also included in this category. First line supervisors, foremen, and helpers in these trades are also grouped in this category.

INSTALLATION, MAINTENANCE AND REPAIR: Occupations involving the installation, maintenance, and repair of equipment are included in this group. Examples of job titles found here are heating, ac, and refrigeration mechanics and installers; telecommunication line installers and repairers; heavy vehicle and mobile equipment service technicians and mechanics; small engine mechanics; security and fire alarm systems installers; electric/electronic repair, industrial, utility and transportation equipment; millwrights; riggers; and manufactured building and mobile home installers. First line supervisors, foremen, and helpers for these jobs are also included in the category.

MATERIAL MOVING WORKERS: The job titles included in this group are Crane and tower operators; dredge, excavating, and lading machine operators; hoist and winch operators; industrial truck and tractor operators; cleaners of vehicles and equipment; laborers and freight, stock, and material movers, hand; machine feeders and offbearers; packers and packagers, hand; pumping station operators; refuse and recyclable material collectors; and miscellaneous material moving workers.

PRODUCTION WORKERS: The job titles included in this category are chemical production machine setters, operators and tenders; crushing/grinding workers; cutting workers; inspectors, testers sorters, samplers, weighers; precious stone/metal workers; painting workers; cementing/gluing machine operators and tenders; etchers/engravers; molders, shapers and casters except for metal and plastic; and production workers.

3) Definition of Racial and Ethnic Terms (as used in Part IV Bidder Employment Information) (Page 3)

White (not of Hispanic Origin)-All persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.

Black (not of Hispanic Origin)-All persons having origins in any of the Black racial groups of Africa.

Hispanic- All persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

Asian or Pacific Islander- All persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes China, India, Japan, Korea, the Philippine Islands, and Samoa.

American Indian or Alaskan Native- All persons having origins in any of the original peoples of North America, and who maintain cultural identification through tribal affiliation or community recognition.

BIDDER CONTRACT COMPLIANCE MONITORING REPORT

PART 1 – Bidder Information

Company Name: Street Address: City & State: Chief Executive:	Bidder Federal Employer Identification Number: Or Social Security Number:
Major Business Activity: (brief description)	Bidder Identification (response optional/definitions on page 1) -Bidder is a small contractor? Yes No -Bidder is a minority business enterprise? Yes No (If yes, check ownership category) Black Hispanic Asian American American Indian/Alaskan Native Iberian Peninsula Individual(s) with a Physical Disability Female -Bidder is certified as above by State of CT? Yes No
Bidder Parent Company: (If any)	
Other Locations in CT: (If any)	

PART II - Bidder Nondiscrimination Policies and Procedures

1. Does your company have a written Affirmative Action/Equal Employment Opportunity statement posted on company bulletin boards? Yes No	7. Do all of your company contracts and purchase orders contain non-discrimination statements as required by Sections 4a-60 & 4a-60a Conn. Gen. Stat.? Yes No
2. Does your company have the state-mandated sexual harassment prevention in the workplace policy posted on company bulletin boards? Yes No	8. Do you, upon request, provide reasonable accommodation to employees, or applicants for employment, who have physical or mental disability? Yes No
3. Do you notify all recruitment sources in writing of your company's Affirmative Action/Equal Employment Opportunity employment policy? Yes No	9. Does your company have a mandatory retirement age for all employees? Yes No
4. Do your company advertisements contain a written statement that you are an Affirmative Action/Equal Opportunity Employer? Yes No	10. If your company has 50 or more employees, have you provided at least two (2) hours of sexual harassment training to all of your supervisors? Yes No N/A
5. Do you notify the Ct. State Employment Service of all employment openings with your company? Yes No	11. If your company has apprenticeship programs, do they meet the Affirmative Action/Equal Employment Opportunity requirements of the apprenticeship standards of the Ct. Dept. of Labor? Yes No N/A
6. Does your company have a collective bargaining agreement with workers? Yes No 6a. If yes, do the collective bargaining agreements contain non-discrimination clauses covering all workers? Yes No	12. Does your company have a written affirmative action Plan? Yes No If no, please explain.
6b. Have you notified each union in writing of your commitments under the nondiscrimination requirements of contracts with the state of CT? Yes No	13. Is there a person in your company who is responsible for equal employment opportunity? Yes No If yes, give name and phone number:

1. Will the work of this contract include subcontractors or suppliers? Yes No

1a. If yes, please list all subcontractors and suppliers and report if they are a small contractor and/or a minority business enterprise. (defined on page 1 / use additional sheet if necessary)

1b. Will the work of this contract require additional subcontractors or suppliers other than those identified in 1a. above? Yes No

PART IV - Bidder Employment Information

Date:

JOB CATEGORY*	OVERALL TOTALS	WHITE (not of Hispanic origin)		BLACK (not of Hispanic origin)		HISPANIC		ASIAN or PACIFIC ISLANDER		AMERICAN INDIAN or ALASKAN NATIVE	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Management											
Business & Financial Ops											
Marketing & Sales											
Legal Occupations											
Computer Specialists											
Architecture/Engineering											
Office & Admin Support											
Bldg/ Grounds Cleaning/Maintenance											
Construction & Extraction											
Installation , Maintenance & Repair											
Material Moving Workers											
Production Occupations											
TOTALS ABOVE											
Total One Year Ago											
FORMAL ON THE JOB TRAINEES (ENTER FIGURES FOR THE SAME CATEGORIES AS ARE SHOWN ABOVE)											
Apprentices											
Trainees											

*NOTE: JOB CATEGORIES CAN BE CHANGED OR ADDED TO (EX. SALES CAN BE ADDED OR REPLACE A CATEGORY NOT USED IN YOUR COMPANY)

PART V - Bidder Hiring and Recruitment Practices

1. Which of the following recruitment sources are used by you? (Check yes or no, and report percent used)				2. Check (X) any of the below listed requirements that you use as a hiring qualification (X)		3. Describe below any other practices or actions that you take which show that you hire, train, and promote employees without discrimination
SOURCE	YES	NO	% of applicants provided by source			
State Employment Service					Work Experience	
Private Employment Agencies					Ability to Speak or Write English	
Schools and Colleges					Written Tests	
Newspaper Advertisement					High School Diploma	
Walk Ins					College Degree	
Present Employees					Union Membership	
Labor Organizations					Personal Recommendation	
Minority/Community Organizations					Height or Weight	
Others (please identify)					Car Ownership	
					Arrest Record	
					Wage Garnishments	

Certification (Read this form and check your statements on it CAREFULLY before signing). I certify that the statements made by me on this BIDDER CONTRACT COMPLIANCE MONITORING REPORT are complete and true to the best of my knowledge and belief, and are made in good faith. I understand that if I knowingly make any misstatements of facts, I am subject to be declared in non-compliance with Section 4a-60, 4a-60a, and related sections of the CONN. GEN. STAT.

(Signature)	(Title)	(Date Signed)	(Telephone)
-------------	---------	---------------	-------------

APPENDIX H – BID BOND

BID BOND

KNOW ALL MEN BY THESE PRESENTS, THAT, we the undersigned,

(Name of Principal)
as _____ PRINCIPAL, _____ and _____
_____ as SURETY

are held and firmly bound unto the West Haven Community House, Association, Inc., hereinafter called the “WHCH,” in the penal sum of _____ Dollars (\$ _____)

lawful money of the Untied States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITIONS OF THE OBLIGATIONS IS SUCH THAT whereas the Principal has submitted the accompanying bid dated _____, 2025 for the installation of the

INSTALLATION OF STORM DRAINAGE IMPROVEMENTS - 227 ELM STREET.

NOW THEREFORE, if the Principal shall not withdraw said bid within the period specified therein after the opening of same or if no period be specified within 180 days after the said opening and shall within the period specified therefore, or, if no period be specified within 10 days after the prescribed forms are presented to him for signature, enter into a written Contract with the WHCH in accordance with the bid as accepted and give bond with good and sufficient surety or sureties, as may be required for the faithful performance and proper fulfillment of such contract, or in the event of the withdrawal of said bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the WHCH the difference between the amount specified in said Bid and the amount for which the WHCH may procure the required work or supplies or both, if the latter amount be in excess of the former, than the above obligations shall be void and of no effect, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this _____ day of _____, 2025, the name and Corporate Seal of each corporate party being hereto affixed and these presents duly signed by the undersigned representative pursuant to authority of the governing body.

For Sole Proprietor

(Seal)

In Presence of:

(Witness Signature)

(Individual Principal)

(Witness Signature)

(Business Address)

For Partnership:

In Presence of:

(Seal)

(Witness Signature)

(Partnership)

By: _____

(Witness Signature)

(Business Address)

For Corporation:

Attest:

(Corporate Principal)

(Business Address)

(Affix
Corporate
Seal)

By: _____

Attest:

(Corporate Surety)

(Business Address)

(Affix
Corporate
Seal)

Countersigned:

By: _____

By: _____

Attorney-in-Fact, State of _____

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the Secretary of the Corporation named as Principal in the within bond, that _____ who signed the said bond on behalf of the Principal was then _____ of said Corporation; that I know the signature and the signature thereto is genuine and that said bond was duly signed, sealed and attested to for and in behalf of said Corporation by authority of the governing body.

(Title)

(Corporate
Seal)

(The Surety Company must append statement of their financial condition and a copy of the resolution authorizing the execution of bonds by officers of the company and the power-of-attorney of the surety company's attorney-in-fact, authorized to act within the State of Connecticut).

FORM OF SURETY GUARANTY

(To accompany Bid)

KNOW ALL MEN BY THESE PRESENTS, that for and in consideration of the sum of \$1.00, lawful money of the United States, the receipt whereof is hereby acknowledged, paid the undersigned corporation and for other valuable consideration, the

(Name of Surety Company)

a corporation organized and existing under the laws of the State of _____ and licensed to do business in the State of Connecticut, certified and agrees, that if Contract for the installation of the **Installation of Storm Drainage Improvements - 227 ELM STREET**, is awarded to

_____, the undersigned Corporation will execute the
(Name of Bidder)

bond or bonds as required by the Contract Documents and will become Surety in the full amount of the Contract Price for the faithful performance of the Contract and for payment of all persons supplying labor or furnishing materials in connection thencewith.

(Surety)

(To be accompanied by the usual proof of authority of officers of surety company to execute the same).

APPENDIX I – PERFORMANCE BOND

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we _____ a _____
(Name of Contractor) (Corporation, Partnership, Individual)

hereinafter called the “Principal” and _____
(Surety)

of _____ State of _____ hereinafter called
the “Surety”, are held firmly bound unto the WEST HAVEN COMMUNITY HOUSE ASSOCIATION,
INC. of West Haven, Connecticut, hereinafter called “OWNER”, in the penal sum of

_____ DOLLARS

(\$ _____) in lawful money of the United States, for the payment of

which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and
successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

WHEREAS, the Principal entered into a certain Contract with the Owner, dated the day of
_____, 2025, a copy of which is hereto attached and made a part hereof for the
construction of:

Installation of Storm Drainage Improvements - 227 ELM STREET

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the
undertakings, covenants, terms, conditions and agreements of said Contract during the original term
thereof, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety,
and if it shall fully indemnify and save harmless the owner from all costs and damages which it may suffer
by reason of failure to do so, and shall reimburse and repay the owner all outlay and expense which the
Owner may incur in making good any default, then this obligation shall be void; otherwise to remain in
full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received hereby stipulates and agrees that no
change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed
there under of the specifications accompanying the same shall in any wise affect its obligation on this
Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to
the terms of the Contractor or to work of the specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, who claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed this the _____ day of _____, 2024

ATTEST:

(Principal) Secretary
(SEAL)

Principal
By: _____ (S)

Witness to Principal

Address/Zip Code

ATTEST:

(Surety) Secretary
(SEAL)

Surety
By: _____
Attorney-in-Fact

Witness to Surety

Address/Zip Code

NOTE:Date of the Bond must not be prior to date of the Contract. If the Contractor is a Partnership, all Partners should execute the Bond.

APPENDIX J – PAYMENT BOND

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

That we _____ a _____
(Name of Contractor) (Corporation, Partnership, Individual)
hereinafter called the “Principal” and _____
(Surety)
of _____, State of _____

hereinafter called the “Surety”, are held firmly bound unto the WEST HAVEN COMMUNITY HOUSE ASSOCIATION, INC. of West Haven, Connecticut, hereinafter called “OWNER”, in the penal sum of

_____ DOLLARS

(\$ _____) in lawful money of the United States, for the payment of

which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

WHEREAS, the Principal entered into a certain Contract with the Owner, dated the day of _____, 2025, a copy of which is hereto attached and made a part hereof for the construction of:

Installation of Storm Drainage Improvements - 227 ELM STREET.

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, subcontractors and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such Contract and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such work, and all insurance premiums on said work and for all labor, performed in such work, whether by subcontractor or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed there under of the specifications accompanying the same shall in any wise affect its obligation on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contractor or to work of the specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, who claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed this the _____ day of _____, 2024

ATTEST:

Principal

(Principal) Secretary

(SEAL)

By: _____

(S)

Address/Zip Code

Witness to Principal

ATTEST:

Surety

(Surety) Secretary

(SEAL)

By: _____

Attorney-in-Fact

Address/Zip Code

Witness to Surety

NOTE: Date of the Bond must not be prior to date of the Contract. If the Contractor is a Partnership, all Partners should execute the Bond.

APPENDIX K – INDEMNIFICATION CERTIFICATE

The successful bidder must submit satisfactory proof of insurance and a signed Indemnification Certificate.

INDEMNIFICATION CERTIFICATE

To the fullest extent permitted by law, the contractor shall indemnify and hold harmless the West Haven Community House Association, Inc. (Owner), and agents and employees of said Owner from and against claims, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from performance of the work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) including loss or use resulting therefrom, but only to the extent caused in whole or in part by acts or omissions of the contractor, a subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder.

Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity, which would otherwise exist as to the West Haven Community House Association, Inc. In claims against any person or entity indemnified under this paragraph by an employee of the contractor, a subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this paragraph shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the contractor or a subcontractor under workers' or workmen's compensation acts, disability benefits acts or other employee benefits acts.

CONTRACTOR

BY:

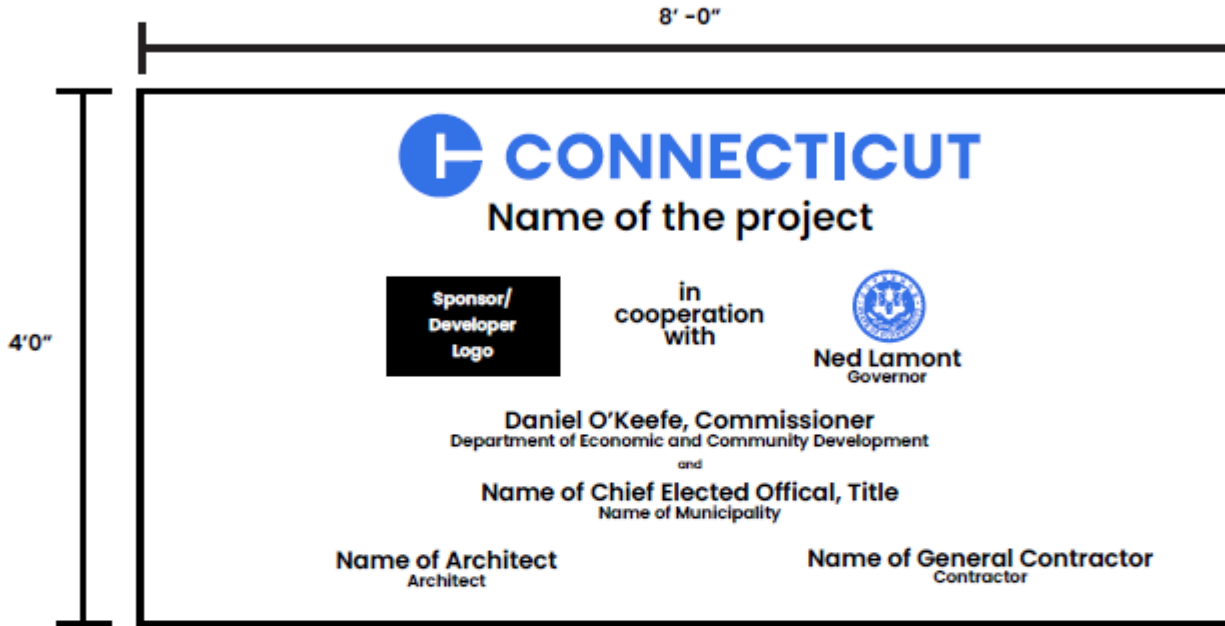
Authorized Signature & Title

Address

Date



Department of Economic and Community Development Project Sign



Sign Panel	3/4" MDO-EXT-APA PLYWOOD SUPPORTED WITH (2) 4X4 TREATED WOOD COLUMNS AND SECURED 4' INTO GRADE. TOP OF SIGN AT 8'-0" ABOVE GRADE
Colors	ALL LETTERS AND SYMBOLS ARE TO BE BLACK. THE BACKGROUND WILL BE WHITE ENAMEL. BACK OF PLYWOOD AND SUPPORT STRUCTURE SHALL BE PAINTED MATTE BLACK
Typeface	POPPINS SEMI-BOLD. NAME OF PROJECT IS TO BE BIGGER THAN ANY NAMES. TITLES OF LEADERS IS TO BE SMALLER THAN THEIR NAMES. FONT IS ATTACHED.
Colors	ALL LETTERS AND SYMBOLS ARE TO BE BLACK. THE BACKGROUND WILL BE WHITE ENAMEL. BACK OF PLYWOOD AND SUPPORT STRUCTURE SHALL BE PAINTED MATTE BLACK
Location	SIGN MUST BE LOCATED WHERE IT IS CLEARLY VISIBLE TO THE PUBLIC
Timing	INSTALL AT THE START OF CONSTRUCTION AND REMOVE AT CONSTRUCTION COMPLETION
State & Governor Logo	ATTACHED

INSTALLATION OF STORM DRAINAGE
IMPROVEMENTS
227 ELM STREET

SPECIAL PROVISIONS

CONTRACT TIME AND LIQUIDATED DAMAGES

Twelve (12) calendar days beginning 12/24/25 and ending 1/4/26 will be allowed for substantial completion of the work for this Contract after which a liquidated damages charge will apply in the amount of Six- Thousand Dollars (\$6,000.00) per calendar day.

It is expected that project will be substantially completed by 1/5/26 including the following:

1. The parking will be open to traffic including the placement of temporary pavement.
2. Student access between the front and rear buildings via the existing cross walk is provided for.

NOTICE TO CONTRACTOR - APPLICABILITY OF CONNECTICUT DOT - FORM 819

The State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 819, 2024 with Supplemental Specifications dated 1/2025 (otherwise referred to collectively as "ConnDOT Form 819") is hereby made part of this contract, as modified by the Special Provisions contained herein.

All reference to the "State", and "Department" shall mean "West Haven Community House Association, Inc.". The "Engineer" shall mean the "Project Design Engineer, acting directly or through a duly authorized representative". The "Commissioner" shall mean the "Engineer".

The Engineer shall have the sole and absolute discretion to determine whether any provision of Form 819 shall be applied with respect to any issue which may arise between the parties.

Additionally, where there is a conflict between the terms and conditions set forth in the State's bid specifications and those set forth in Form 819, the State's bid specifications shall prevail.

NOTICE TO CONTRACTOR - BID REJECTION

Bidders are hereby notified that until the award of the Contract, the WHCH reserves to itself, the right to reject any or all bids for any reason whatsoever, and to waive technicalities as deemed to be in the best interests of the WHCH.

NOTICE TO CONTRACTOR - PROCUREMENT OF MATERIALS

Upon award, the Contractor shall proceed with shop drawings, working drawings, procurement of materials, and all other submittals required to complete the work in accordance with the contract documents.

NOTICE TO CONTRACTOR – SUPERVISION AND INSPECTION

This project will be supervised and inspected by the WHCH or its authorized agent. The "Notice to Proceed", stipulating the date on which the Contractor will begin the construction and from which date the contract time will be charged, will be issued by the WHCH.

NOTICE TO CONTRACTOR – PRE CONSTRUCTION MEETING

A pre-Construction meeting will be held between the contractor and the engineer to further define the limits of construction as detailed in this document. The contractor shall be aware that the quantities shown on the bid sheet are approximate and actual amounts / limits will be set at this meeting.

NOTICE TO CONTRACTOR - VERIFICATION OF EXISTING CONDITIONS

Included in this contract is the modification, alteration and/or addition to existing structures. 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 information shown on the plans or contained elsewhere in the specifications.

NOTICE TO CONTRACTOR- NOISE POLLUTION

The contractor shall take measures to control the noise intensity caused by his construction operations and equipment, including but not limited to equipment used for drilling, pile driving, blasting, excavation or hauling.

All methods and devices employed to minimize noise shall be subject to the continuing approval of the Engineer. The maximum allowable level of noise at the nearest residence or occupied

building shall be 90 decibels on the "A" weighted scale (dBA). Any operation that exceeds this standard will cease until a different construction methodology is developed to allow work to proceed within the 90-dBA limit.

NOTICE TO CONTRACTOR - CALL BEFORE-YOU-DIG

The Contractor's attention is called to the fact that they are obligated, by State Law, to notify the Public Utilities Control Authority (1-800-922-4455 or dial 811) 48 hours prior to beginning any digging or discharging of explosives. This "Call Before-You-Dig" system will assure that each utility company will have marked its lines in the field before any digging activity commences. The Contractor assumes all responsibilities for any damage to the various utility services, and all liabilities arising there from.

The Contractor shall make the necessary arrangements with the respective Utility Companies and provide grades for the resetting and adjusting of private utility lines, if necessary. This coordination and/or fieldwork required shall not be considered extra work or as a basis for extending the time for completion.

~~The Contractor is hereby notified~~ that all utility specifications contained elsewhere herein shall be made a part of this contract, and that the contractor shall be bound to comply with all requirements of such specifications. The requirements and conditions set forth in the subject specifications shall be binding on the contractor just as any other specification would be.

NOTICE TO CONTRACTOR – PROTECTION OF EXISTING OVERHEAD UTILITIES

The Contractor's attention is directed to the need for protection of the existing overhead utilities during the demolition of the existing structure and the construction of the proposed structure. The Contractor is responsible for coordinating all protection and relocation of overhead utilities with the appropriate utility company. A 10-foot minimum clearance is to be provided from any unprotected overhead electric lines. The Contractor may need to adjust means and methods to accommodate this requirement, at no additional cost to the Town.

Representatives of the various utility companies shall be allowed access to work.

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

Any damage to any existing utility shall be repaired including all materials, labor, etc., to the engineer's satisfaction at no cost to the Town.

The following utilities are known to exist within the project limits:

<u>Southern New England Telephone Company</u> (dba Frontier Communications) Lynne Delucia Manager – Engineering & Construction 1441 North Colony Road Meriden, CT 06450 (203) 238-5000 Lynne.m.delucia@ftr.com	<u>The United Illuminating Company</u> Ms. Apsara Chhachhi Senior Project Manager, Distribution Operations 180 Marsh Hill Road Orange, CT 06477-3629 203-926-4698 apsara.chhachhi@uinet.com
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Cablevision dba Altice USA Mr. Frank Gomes Supervisor Ops. 28 Cross Street Norwalk, CT 06851 203-750-5630 Frank.Gomes@alticetechservicesusa.com	
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NOTICE TO CONTRACTOR - WORK NEAR OVERHEAD UTILITIES

1. Existing overhead utilities will remain in place and are to be protected by the Contractor.
2. No relocations of overhead utilities are anticipated.
3. **Utility poles within the project limits will remain in place and may require support during excavation and construction operations. Contractor shall coordinate support requirements with Frontier Communications (Marino Limauro, 203-909-3081, marino.limauro@ftr.com) for support requirements.**
4. Contractor shall maintain proper clearances from overhead utilities and comply with all Local, State, and Federal regulations including OSHA. Particular attention will be required during installation of storm drainage improvements.
5. Coordinate all work that may interfere with existing utilities with respective utility companies. See specifications.

NOTICE TO CONTRACTOR – UTILITY COORDINATION

Overhead, elevated, or underground utility lines may be in conflict with required temporary or permanent construction, or the equipment necessary to perform this required construction. Depending on the Contractor's methods of construction, these utilities may need to be temporarily relocated for portions of the construction period and then moved back to permanent locations which may be other than their current locations. The Contractor is required to coordinate the exact location and timing of all utility relocations with the individual utility owners, and to phase his construction operations as required to accommodate all (temporary or permanent) utility relocations. In addition to field meetings and correspondence, this coordination may include staking of locations, excavation and temporary grading, providing access to existing and future utility pole and conduit locations, or other physical work as required to allow for utility relocation work. The Contractor shall engage in the necessary coordination of utility relocations and associated work at no additional cost to the project or owner, and shall have no right to additional compensation for staging and phasing of his work as a result of utility relocation work. The Contractor is responsible for coordinating utility relocation; the WHICH has the statutory authority for directing a utility to actually relocate.

NOTICE TO CONTRACTOR – UTILITY RELOCATIONS

Failure of the utility companies to relocate their facilities in a timely manner will not constitute the basis of a claim for additional compensation.

NOTICE TO CONTRACTOR – FIRST AID TO INJURED

The Contractor shall provide arrangements for the immediate removal and hospital treatment of any employee injured on the project who may require the same.

NOTICE TO CONTRACTOR – PROTECTION AGAINST HIGH WATER AND STORMS

- a) The Contractor shall take all precautions to prevent damage to the work or equipment by

high water or by storms. The WHCH may prohibit the carrying out of any work at any time when in his judgment, high water or storm conditions are unfavorable or not suitable, or at any time, regardless of the weather, when proper precautions are not being taken to safeguard previously constructed work or work in progress. No claim by the Contractor shall be made for lost time as a result of such shut down by the WHCH.

b) In case of damage caused by the failure of the Contractor to take adequate precautions, the Contractor shall repair or replace equipment damaged and shall make such repairs or rebuild such parts of the damaged work, as the WHCH may require, at no additional expense to the WHCH.

NOTICE TO CONTRACTOR – COMPETENT HELP TO BE EMPLOYED

The Contractor shall be required to prosecute his work in accordance with a schedule prepared by him in advance in accordance with additional requirements specified herein and approved by the WHCH. This schedule shall state the methods and shall forecast the times for doing each portion of the work. Before beginning any portion of the work, the Contractor shall give the WHCH advance notice and ample time for making the necessary preparations.

NOTICE TO CONTRACTOR – SEQUENCE OF WORK

The Contractor shall employ experienced foremen, craftsmen and other workers competent in the work in which they are to be engaged. All work shall be accomplished by able, skilled and competent personnel. If any person employed on the work by the Contractor shall appear to be incompetent or unreliable in any way, he shall be discharged immediately upon the request of the WHCH and shall not again be employed on the work.

NOTICE TO CONTRACTOR – DISPOSAL OF MATERIALS, ACCESS TO HYDRANTS & GATES, & MATERIALS TRIMMED-UP FOR CONVENIENCE OF PUBLIC TRAVEL OR ADJOINING TENANTS

The materials from the trenches and excavations and those used in the construction of the work shall be deposited in such a manner so they will not endanger persons or the work, and so that free access may be had at any time to all hydrants and gates in the vicinity of the work. The materials shall be kept trimmed-up so as to be of as little inconvenience as possible to the public travel or the adjoining tenants. All excavated materials not approved for backfill and fill, all surplus material and all rock and boulders resulting from the excavations shall be removed and satisfactorily disposed of off the site by the Contractor at no additional expense to the Owner.

NOTICE TO CONTRACTOR – FINISHING & CLEANING UP

In completing the backfilling of the trenches, the Contractor shall replace all surface material to the satisfaction of the WHCH, and shall then immediately remove all surplus material, and all tools and other property belonging to him, leaving the entire street or surroundings free and clean and in good order, at no additional expense to the WHCH. The backfilling and removing of surplus materials shall follow closely upon the completion of the work. The Contractor shall exercise special care in keeping rights-of way and private and public lands, upon which work is to be performed, clean and free of debris at all times and to remove tools and other property belonging to the Contractor when they are not being used.

NOTICE TO CONTRACTOR – CLEAN-UP AT CONTRACTOR'S EXPENSE

In case the Contractor shall fail or neglect, after backfilling, to promptly remove all surplus materials, tools and other incidentals, or promptly do the required repaving when ordered, the WHCH may, after 24 (twenty-four) hours notice, cause the work to be done and the cost thereof shall be deducted

from any monies then or thereafter due the Contractor.

NOTICE TO CONTRACTOR – RIGHTS OF ACCESS

Nothing herein contained or shown on the drawings shall be construed as giving the Contractor exclusive occupancy of the work areas involved. The WHCH or any other Contractor employed by him, the various utility companies, Contractors or subcontractors employed by the Federal, State or local government agencies or other utility firms or agencies involved in the general project or upon public rights-of-way, may enter upon or cross the area of work or occupy portions of it as directed or permitted.

NOTICE TO CONTRACTOR – COMPLETENESS OF WORK

In addition to the specified or described portions, all other work and all other materials, equipment and labor of whatever description which are necessary or required to complete the work, or for carrying out the full intent of the drawings and specifications, as interpreted by the WHCH, such work, labor, materials and equipment shall be provided by the Contractor, and payment therefor shall be considered as having been included in the price listed in the bid.

NOTICE TO CONTRACTOR – CLEANING FINISHED WORK

After the work is completed, the drainage pipes, manholes and structures shall be carefully cleaned free of dirt, broken masonry, mortar, construction and other debris and left in first class condition ready for use. All temporary or excess material shall be disposed of and the work left broom-clean to the satisfaction of the WHCH.

NOTICE TO CONTRACTOR – DUST CONTROL

The Contractor shall exercise every precaution and means to prevent and control dust arising out of all construction operations from becoming a nuisance to abutting property WHCHs or surrounding neighborhoods. Pavements adjoining the pipe trenches shall be kept broomed off and washed clean of excess trench material wherever and whenever directed. Earth piles along trenches, earth stockpiles and surfaces of refilled trenches shall be kept moist at all times, as directed. No extra payment will be made for providing the dust control measures and conforming to the requirements specified above, but compensation therefor shall be considered to be included in the prices stipulated for the appropriate items of work as listed in the bid.

NOTICE TO CONTRACTOR – CARE OF THE WORK

The Contractor shall be responsible for all damages to persons or property that occur as a result of his fault or negligence in connection with the prosecution of the work and shall be responsible for the proper care and protection of all material delivered and work performed until completion and final acceptance, whether or not the same has been covered by partial payments made by the WHCH.

NOTICE TO CONTRACTOR – INDEMNITY OF WHCH BY CONTRACTOR

The Contractor shall indemnify and save harmless the WHCH and the Engineers and their officers, agents, and employees, against any and all damages to property or injuries to or death of any person or persons including property or injuries to or agents of the WHCH, and the Engineers, and shall defend, indemnify and save harmless the WHCH and the Engineers and their officers, agents and employees from any and all claims, demands, suits, actions or proceedings of any kind or nature including worker's compensation claims, of or by anyone whomsoever, in any way resulting from or arising out of the operations in connection herewith, including operations of Subcontractor and acts or omissions of employees or agents of the Contractor or his Subcontractor. Insurance coverage specified herein and in any special conditions constitutes the minimum requirements and said

requirements shall in no way lessen or limit the liability of the Contractor under the terms of the contract. The Contractor shall procure and maintain, at his own cost and expense, any additional kinds and amounts of insurance which, may be necessary for his proper protection of other utilities in the prosecution of the work. The Contractor agrees to well and truly save and indemnify and keep harmless, the WHCH, the Engineers, their agents and employees against all liability, judgments, costs and expenses which may in anyway result from carelessness, omission or neglect of the Contractor or his agents, employees or workmen in any way arising or resulting from the operation in connection herewith, including all liability to the WHCH resulting from the failure to erect and maintain sufficient railing or fence as required by Section 13a-149, Connecticut General Statutes, and against all liability from defects claimed to be in violation of Section 13a-149, Connecticut General Statutes. Any additional cost of this save harmless insurance coverage shall be included in the price of this Contract.

Section 1.09 – Measurement and Payment

1.09.06–Partial Payments: Amend Article 1.09.06 of Form 819, as amended by the January 2023 supplement, as follows:

In the first paragraph under **A. Monthly and Semi-monthly Estimates:** delete "Retainage will not be held" and replace with "**Five percent (5%) of the total amount determined by the Engineer will be deducted from the estimate and retained by the WHCH until the Engineer accepts the Project**". The balance, less all previous payments, will be certified for payment. When work equaling the original contract value has been accomplished, no additional retainage will be withheld..

Section 2.02 – Roadway Excavation, Formation of Embankment, and Disposal of Surplus Material

Description – This section details material excavation, embankment formation, and handling of surplus and unsuitable materials.

Materials – Vacant

Construction Methods – Construction methods shall be in conformance with Standard Specification Section 2.02.03 with the following modifications:

- Cutting of bituminous pavement shall be performed and paid one time only associated with the initial pavement cut in advance of trench excavation. Pavement shall be cut to accommodate the final trench patch as detailed in the plan set. Saw cut pavement edges shall be protected to ensure that a sharp edge is available for matching into the final trench patch. No additional payment will be made for additional saw cutting or pavement as a result of the Contractor failing to protect the saw cut edge.
- Unsuitable material shall be disposed of outside the limits of the project in conformance with all applicable laws and regulations.
- Test Pits may be required for location of existing utilities or other purposes as authorized by the Engineer. Test pit size shall be the minimum size needed to obtain the required information on a below grade feature. Test Pits are paid per each and shall include existing pavement removal and disposal, material excavation, surveyed elevation and location of the subject feature, backfilling with suitable material, compaction, and a suitable temporary bituminous surface patch.
- A log of all disposed materials shall be provided documenting the type of material, date removed from the site, and final disposal location.

Method of Measurement– The items below include all labor, equipment, materials, transportation, and disposal costs necessary to perform the work detailed in the above. Measurement will be based on the actual quantity of the subject item, as detailed in Standard Specification Section 2.02.04, and verified by the Engineer.

Basis of Payment – Basis of payment shall be in conformance with Standard Specification Section 2.02.05 with the following modifications:

- Payment for removal and disposal of pavement and pavement bases is discussed under Section 2.05 of these specifications

<u>Pay Item</u>	<u>Pay Unit</u>
Cut Bituminous Concrete Pavement	LF
Unsuitable Material Excavation	CY
Test Pits	Each

Section 4.06 – Bituminous Concrete

Description – This section details the production, delivery, and placement of bituminous concrete mixture utilized in construction of the roadway trench repair.

Materials – Materials associated with this item shall be in accordance with Standard Specification Section 4.06.02 with the following modifications:

- Material requirements for temporary pavement are the same as for permanent pavement.

Construction Methods – Construction methods shall be in conformance with Standard Specification Section 4.06.03 with the following modifications:

- Provided that the contractor is in conformance with the requirements of this section, preparation of a written Quality Control Plan is not required.
- Core samples of the finished courses is not required, provided the surface compaction testing results are consistent with the specification requirements.
- Adjustments to bituminous concrete unit prices will not be allowed.
- The use of a Material Transfer Vehicle will not be required
- All trenches within the project limits shall be provided with temporary pavement as outlined in the plan set
- Tack coat is not required along the existing pavement edges for the temporary pavement.

Method of Measurement– The items below include all labor, equipment, materials, and transportation costs necessary to perform the work detailed in the above. Measurement will be based on the actual quantity of the subject item, as detailed in Standard Specification Section 4.06.04, and verified by the Engineer with the following modifications:

- Payment limits under this item shall follow the trench payment limits width on the typical pipe trench and pavement details as included in the plan set.
- No separate payment will be made for any required material tack coat as shown in the detail. This item shall be included in the unit prices of the individual items listed below
- No separate payment will be made for processed aggregate base as shown in the detail. This item shall be included in the unit prices of the individual items listed below

Basis of Payment – Basis of payment shall be in conformance with Standard Specification Section 4.06.05 with the following modifications:

- Payment to be based upon S.Y.

Pay Item

Pay Unit

Hot Mix Asphalt S0.5 - Temporary

S.Y.

Section 5.86 – Catch Basins, Manholes, and Drop Inlets

Description – This section details the construction of catch basin structures, and structure modifications.

Materials – Materials associated with this item shall be in accordance with Standard Specification Section 5.86.02 with the following modifications:

- None

Construction Methods – Construction methods shall be in conformance with Standard Specification Section 5.86.03 with the following modifications:

- None

Method of Measurement– The items below include all labor, equipment, materials, and transportation costs necessary to perform the work outlined in the above and as shown on the detail. Measurement will be based on the actual quantity of the subject item, as detailed in Standard Specification Section 5.86.04, and verified by the Engineer.

Basis of Payment – Basis of payment shall be in conformance with Standard Specification Section 5.86.05 with the following modifications:

- No separate payment will be made for catch basin and/or manhole frames and covers. These items shall be included in the unit prices of the individual structure items listed below
- No separate payment will be made for removal of existing structures, excavation or backfill. Reference is made to Specification Section 2.86.05 . These items shall be included in the unit prices of the individual structure items listed below.
- No separate payment will be made for temporary silt sacks and shall be included in the unit prices of the individual structure items listed below.

Pay Item

Pay Unit

Catch Basin with C.L. Top 0'-10' Deep

Each

Section 05.86A – Water Quality Structures

Description – The work shall consist of ~~furnishing and~~ installing water quality structures at the locations indicated in and in accordance with the contract documents and as directed by the Engineer. The two Water Quality Structures will be provided by the West Haven Community House. The contractor will be responsible for coordination of delivery and installation of each unit and connection of piping to such.

Materials – ~~The water quality structure shall be a commercially manufactured system that treats stormwater runoff through sediment and floatables retention. The preferred qualified product is as follows:~~

~~Hydrodome™ as
manufactured by
Hydroworks LLC
257 Cox Street
Roselle, NJ 07203
1-800-290-7900
www.hydroworks.com~~

~~The following shall also be included:~~

- ~~— Frame and cover to be provided.~~
- ~~— Provide all manufacturer's manuals, instructions and product tools to the owner.~~
- ~~— Product shall meet CT DEEP requirements, and be in accordance with all regulatory approvals.~~

Construction Methods – Install water quality structure in accordance with manufacturer's recommendations.

Method of Measurement – Water quality structures will be measured as each unit.

Basis of Payment – "Water Quality Structure" will be paid for as the Contract unit price for each as, complete in place, which price shall include all materials, equipment, tools and labor incidental thereto.

- No separate payment will be made for temporary silt sacks and shall be included in the unit prices of the individual structure items listed below.

Pay Item

Water Quality Structure

Pay Unit

Each

Section 05.86B – Concrete Galleries

Description – The work shall consist of furnishing and installing concrete galleries at the locations indicated in and in accordance with the contract documents and as directed by the Engineer.

Materials – The Concrete Galleries shall be a commercially manufactured system that stores and infiltrates stormwater runoff. The preferred qualified product is follows:

4'x8'x4' Gallery H-20 Leaching
Chamber as manufactured
by
United Concrete
173 Church Street
Wallingford, CT 06492
1.800.234.3119
<https://unitedconcrete.com/>

The following shall also be included:

- All materials as shown on the project plans including but not limited to excavation, all ancillary piping, fittings and structures from the water quality structure to the galleries, foundation and embedment stone, and inspection ports.
- Provide all manufacturer's manuals, instructions and product tools to the owner.

Construction Methods – Install concrete galleries in accordance with manufacturer's recommendations.

Method of Measurement – Concrete galleries will be measured as each unit.

Basis of Payment – "Concrete Galleries" will be paid for as the Contract unit price for each as, complete in place, which price shall include all materials, equipment, tools and labor incidental thereto.

Pay Item

Pay Unit

Concrete Gallery – (4'H x 4'W x 8'L)

Each

Section 05.86C – Stormtech Galleries

Description – The work shall consist of furnishing and installing stormwater infiltration galleries at the locations indicated in and in accordance with the contract documents and as directed by the Engineer.

Materials – The stormtech galleries shall be a commercially manufactured system that stores and infiltrates stormwater runoff. The preferred qualified product is follows:

Stormtech DC-780™ as
manufactured by
Advanced Drainage Systems
4640 Trueman Blvd.
Hilliard, Ohio 43026
1.800.821.671
<https://www.adspipe.com/stormtech>

The following shall also be included:

- All materials as shown on the project plans including but not limited to excavation, all ancillary piping, fittings and structures from the water quality structure to the galleries, geotextile, foundation and embedment stone, and inspection ports.
- Provide all manufacturer's manuals, instructions and product tools to the owner.
- Product shall meet CT DEEP requirements, and be in accordance with all regulatory approvals.

Construction Methods – Install stormwater infiltration galleries in accordance with manufacturer's recommendations.

Method of Measurement –Stormtech galleries will be measured as each unit.

Basis of Payment – “Stormtech Galleries” will be paid for as the Contract unit price for each as, complete in place, which price shall include all materials, equipment, tools and labor incidental thereto.

<u>Pay Item</u>	<u>Pay Unit</u>
Stormtech DC-780 Gallery	Each

Section 6.86 – Drainage Pipes

Description – This section details installation of new drainage pipe

Materials – Materials associated with this item shall be in accordance with Standard Specification Section 6.86.02 with the following modifications:

- None

Construction Methods – Construction methods shall be in conformance with Standard Specification Section 6.86.03 with the following modifications:

- None

Method of Measurement– The items below include all labor, equipment, materials, and transportation costs necessary to perform the work detailed in the above. Measurement will be based on the actual quantity of the subject item, as detailed in Standard Specification Section 6.86.04, and verified by the Engineer.

Basis of Payment – Basis of payment shall be in conformance with Standard Specification Section 6.86.05 with the following modifications:

- No separate payment will be made for bedding material used in the pipe installation. This item shall be included in the unit price of the pipe
- No separate payment will be made for connections to existing or proposed structures. The cost of these connections is included in the overall cost of the proposed pipe.
- No separate payment will be made for removal of existing pipes, excavation or backfill. Reference is made to Specification Section 2.86.05 . These items shall be included in the unit prices of the individual structure items listed below.
- No separate payment will be made for any temporary utility protection and support. The cost of utility protection and support is included in the overall cost of the proposed pipe.

Pay Item

Pay Unit

12" HDPE Pipe (0'–10' Deep)
8" HDPE Pipe (0'–10' Deep)
6" HDPE Pipe (0'–10' Deep)

LF
LF
LF

Section 9.80 – Construction Surveying

Description – This item shall include the layout and field staking of the proposed improvements.

Materials – Materials associated with this item shall be in accordance with Standard Specification Section 9.80.02 with the following modifications:

- None

Construction Methods – Construction methods shall be in conformance with Standard Specification Section 9.80.03 with the following modifications:

- The Contractor shall be responsible for verifying survey control, and layout control provided on the design plans, as well as the immediately surrounding environment.
- The Contractor shall be responsible for preparation of an as-built survey of the proposed improvements upon completion of construction, and before approval of the final payment requisition. The as-built plan shall be prepared at an appropriate scale, and show the detailed as-built conditions related to the proposed construction, including pipe sizes, pipe material, and inverts. As-built shall be prepared by a surveyor licensed to practice in the State of Connecticut. As-built shall be submitted including two certified paper copies, as well as a digital PDF, and CAD Drawing.

Method of Measurement– Measurement for this item will be as detailed in Standard Specification Section 9.80.04, and verified by the Engineer.

Basis of Payment – Basis of payment shall be in conformance with Standard Specification Section 9.80.5 with the following modifications:

- None

Pay Item

Pay Unit

Construction Surveying

LS

ATTACHMENT A
PROJECT DRAWINGS

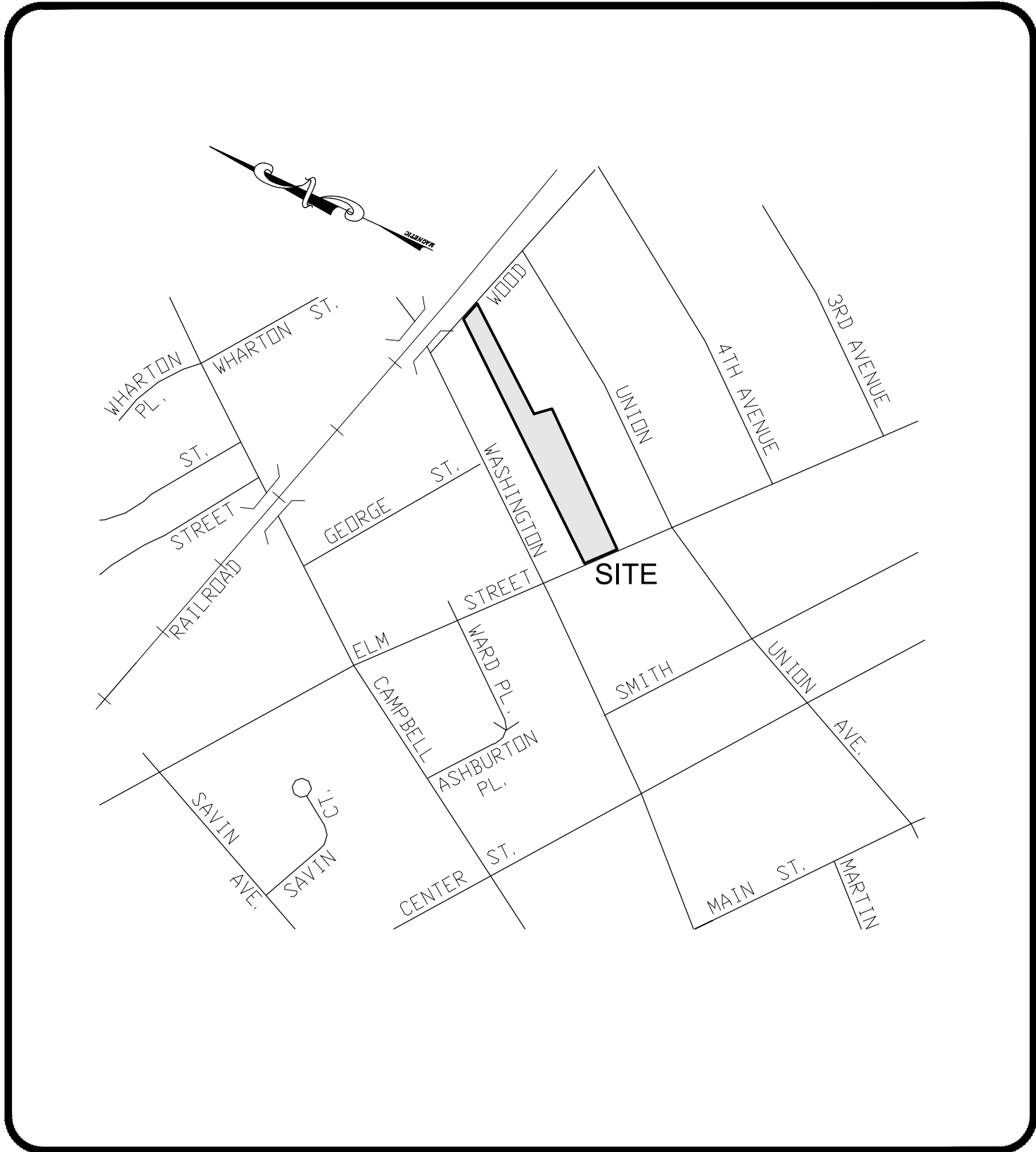
STORM DRAINAGE IMPROVEMENTS WEST HAVEN COMMUNITY HOUSE 227 ELM STREET WEST HAVEN, CONNECTICUT

OCTOBER 2025

LIST OF DRAWINGS

SP1	SITE PLAN	DATE:
SP2	SITE GRADING/UTILITY PLAN/	10/27/25
SP3	STORMWATER MANAGEMENT DESIGN PLAN	10/27/25
SP4	STORM DRAINAGE DETAILS	10/27/25
SP5	STORMTECH NOTES	10/27/25
SP6	STORM ADS DETAILS	10/27/25

LOCATION PLAN



VICINITY MAP

OWNER:

WEST HAVEN COMMUNITY HOUSE ASSOC., INC.
c/o PETER SCHWARTZ
227 ELM STREET
WEST HAVEN, CONNECTICUT 06516

CODESPOTI

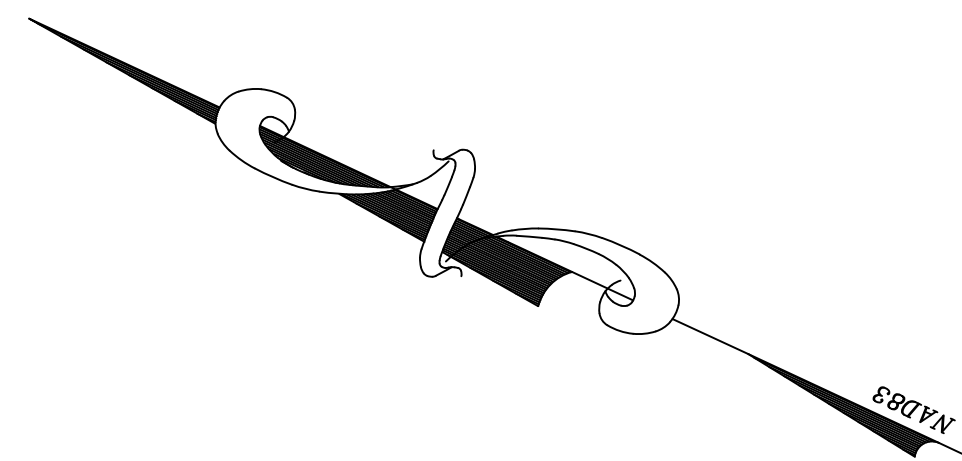
& ASSOCIATES, P.C.

263 BOSTON POST ROAD STE.5
ORANGE, CONNECTICUT
06477

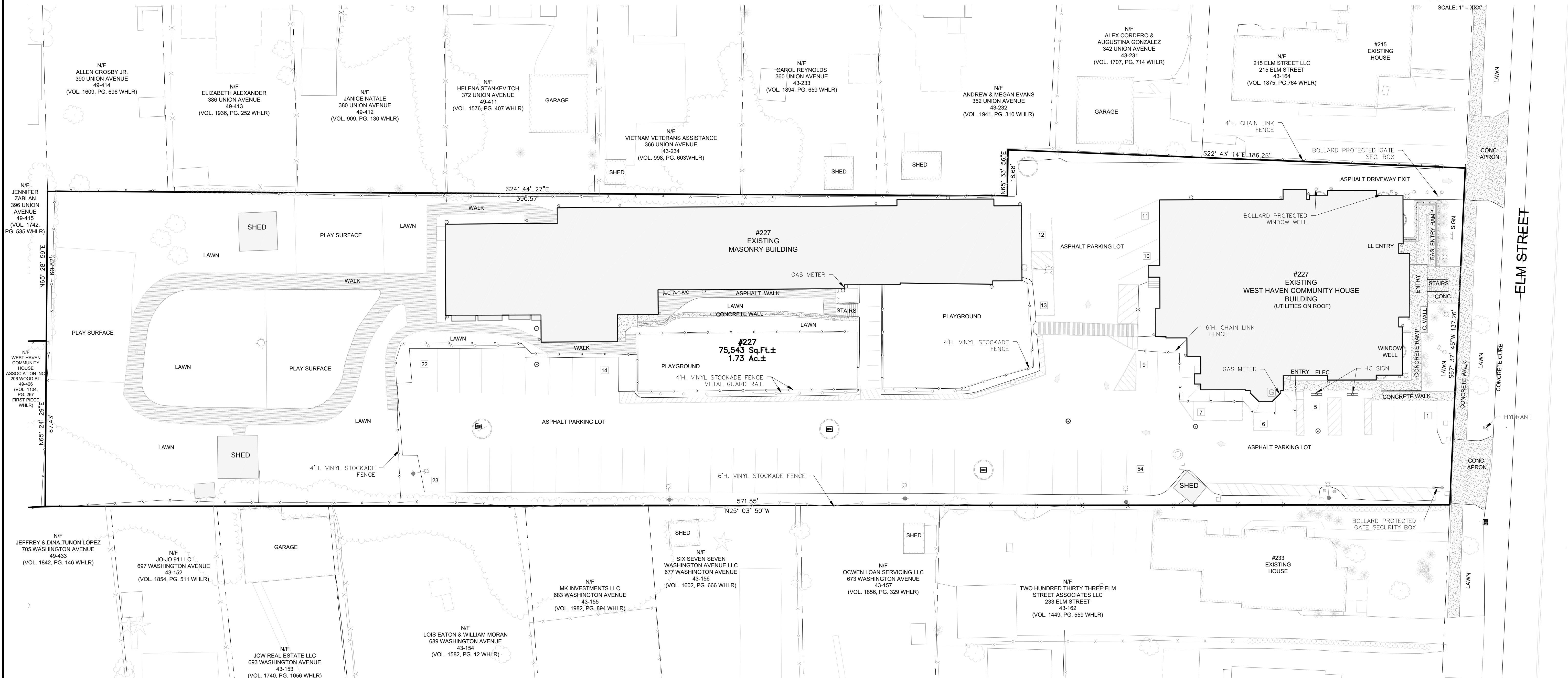
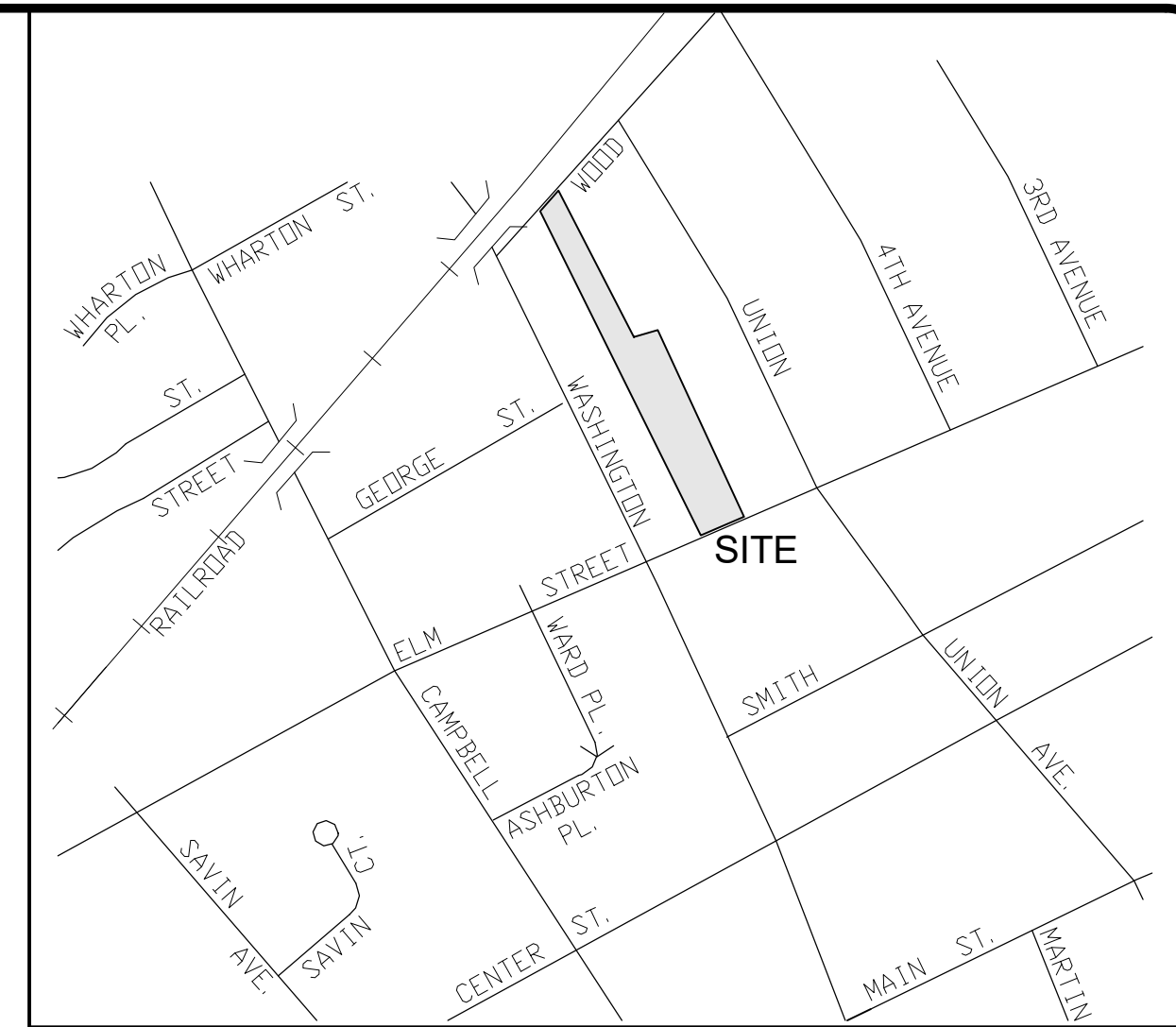
SITE PLANNING
LANDSCAPE ARCHITECTURE
ENGINEERING
LAND SURVEYING

203-799-1400

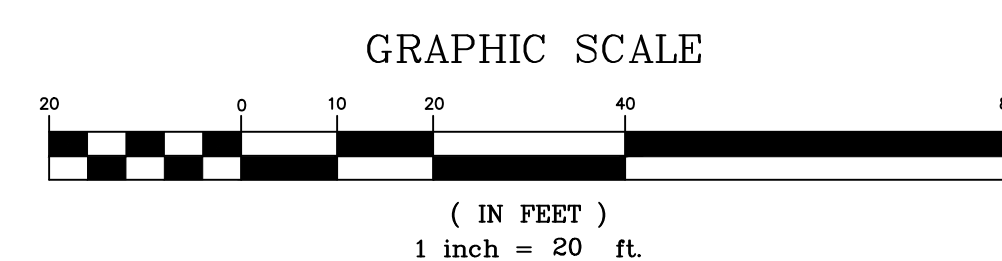
EXISTING STORM MANHOLE
EXISTING SANITARY MANHOLE
EXISTING CATCH BASIN
FLAT TOP CB
EXISTING SANITARY LINE
EXISTING STORM LINE
EXISTING GUTTER LINE
EASEMENT LINE
CHAIN LINK FENCE
UTILITY POLE
GUY ANCHOR
WATER METER / VALVE
GAS METER/VALVE
METAL GUARDRAIL
VINYL STOCKADE FENCE
AIR CONDITIONER UNITS/CONC. PAD
MONUMENT FOUND
EXISTING LAMP POST
HYDRANT
WATER SHUT OFF
BOLLARD
HANDICAP SIGN
IRON PIPE/REBAR
SPOT ELEVATION
EXISTING TREE/EVERGREEN
FLAGPOLE
MECHANICAL CAGE
EXISTING 2' CONTOUR LINE
EXISTING 10' CONTOUR LINE



ASSESSORS MAP #43, LOT 163			
TABLE 12.1			
12.4" MULTI-FAMILY		REQUIRED	EXISTING
Sec. 12.2		#227	
a. Minimum Parcel size		80,000 Sq Ft.	75,543 Sq Ft.
b. Minimum Lot Size		80,000 Sq Ft.	75,543 Sq Ft.
c. Minimum Lot Area per dwelling		12,000 Sq Ft.	
d. Max. No. Dwelling units per bldg.		16	
e. Min. Front Yard Setback		50'	
f. Min. Side Yard		50'	
g. Min. Rear Yard		50'	
h. Min. Street Frontage		150'	137.26'
i. Max. Building Coverage		25%	77.4% (16,896sq ±)
j. Max. Impervious surface coverage		15%	
k. Maximum Lot Coverage		40%	
l. Maximum Height in Stories		3	
m. Max. Height in feet		40	
n. Minimum Open Space		60%	
o. Parking			54 spaces



TOTAL PARCEL AREA: 75,543 SQ.FT.±
1.73 AC.±
ASSESSORS MAP 43, LOT 163.
PARCEL IS IN ZONE: R4



REVISIONS

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CODESPOTI
& ASSOCIATES P.C.

SITE PLANNING
LANDSCAPE ARCHITECTURE
ENGINEERING
SURVEYING

263 BOSTON POST ROAD, SUITE 5
ORANGE, CONNECTICUT 06477
TEL. 203-799-1400
203-799-0011
FAX

STORM DRAINAGE IMPROVEMENTS
227 ELM STREET
PREPARED FOR
WEST HAVEN COMMUNITY HOUSE

SITE PLAN

SP1

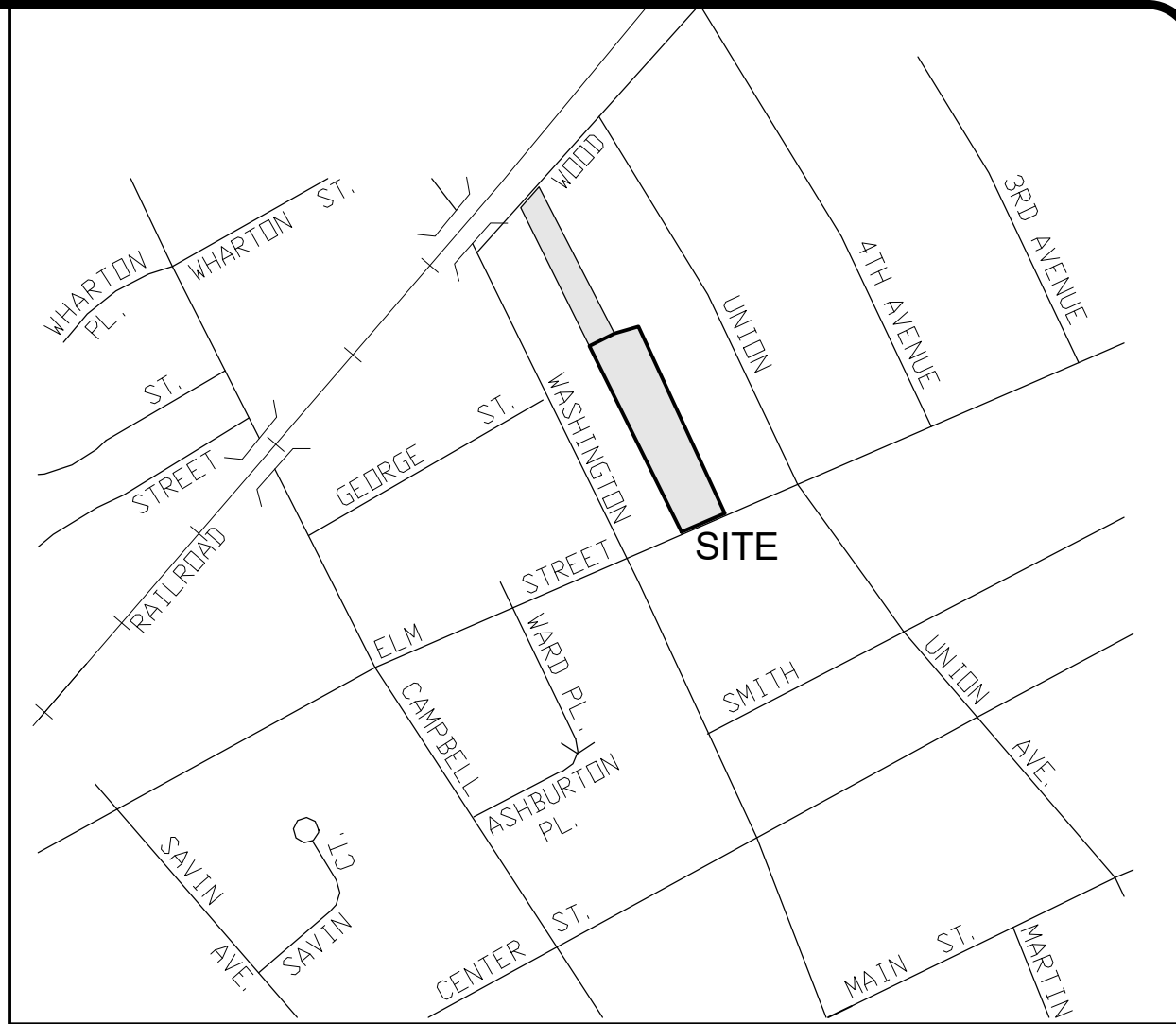
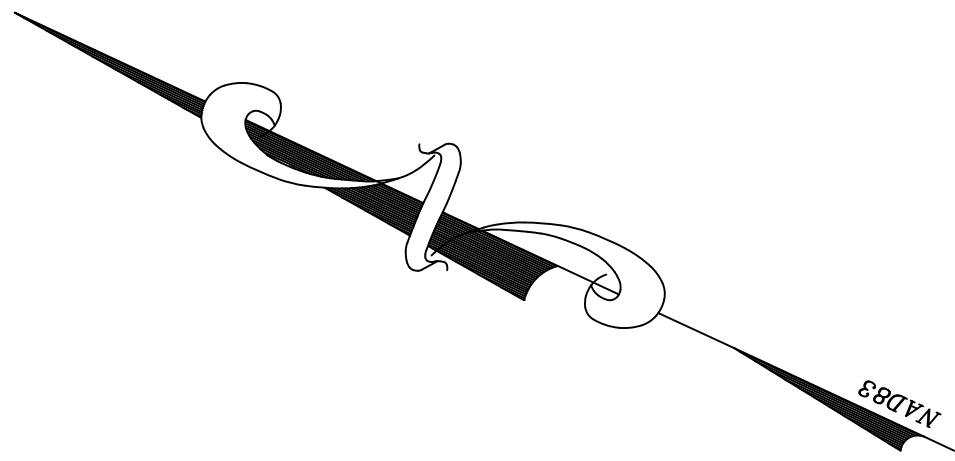
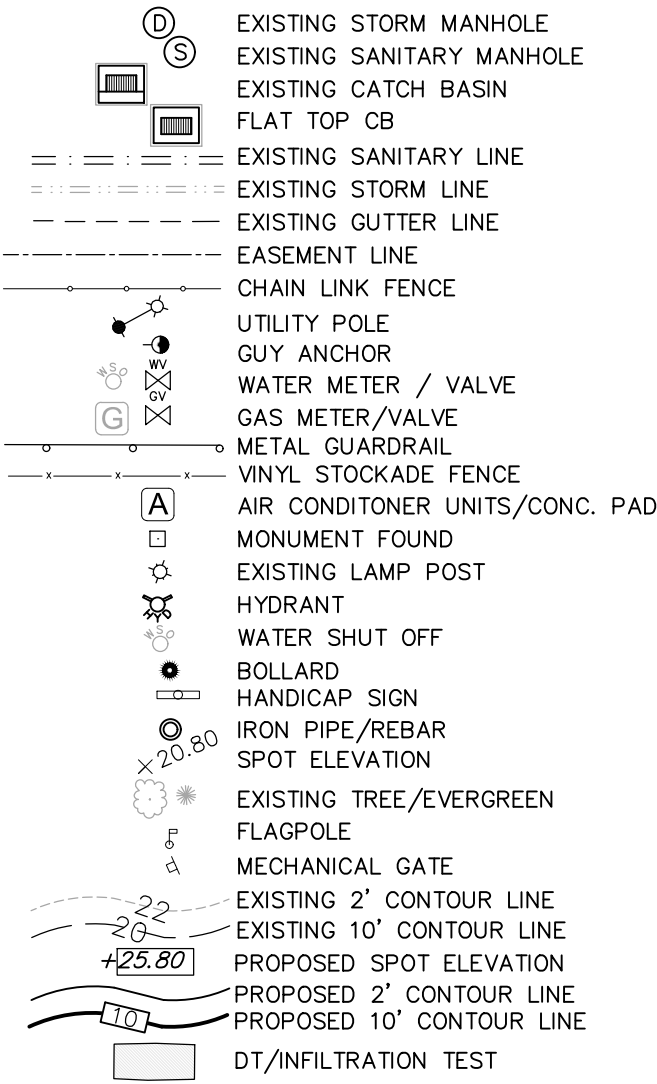
Survey Notes:

- Topographic and planimetric data based upon aerial photography by Golden Aerial Surveys, Inc. flown March 8, 2024. Vertical Datum NAVD 1988 (GPS Derived). Survey baseline conforms to class A-2 horizontal accuracy.
- Benchmark to be set by engineer/surveyor prior to the start of construction.
- Horizontal coordinates are based on the Connecticut State Plane System (NAD 1983).

General Notes:

- All construction methods, materials and system installation under this project shall be performed in accordance with the State of Connecticut, Department of Transportation, FORM 819 (2024).
- A preconstruction meeting shall be held between the Contractor and Engineer prior to the start of construction, to review the proposed improvements, and identify any potential issues.
- Underground utilities are shown as provided by the respective utility company or other sources. The design engineer takes no responsibility for their accuracy.
- The contractor shall determine for himself prior to bidding, the location and elevations of all utilities that may affect his construction operations. The contractor shall adequately support and protect all utilities and be responsible for all damage. Call before you dig, 1-800-922-4455 at least 48 hours prior to starting construction. Contractor shall coordinate activities with individual utility companies.
- Relocation of utility poles and signs shall provide for a minimum horizontal obstruction-free clearance of 8 inches as measured from the proposed gutter line. Signs to be relocated as directed by the Engineer.
- Gate valves, hydrants, manholes and catch basins within the project limits that need to be reset due to the proposed construction shall be reset by the contractor to be flush with the proposed grade. Gate valves not able to be adjusted to grade shall be replaced.
- The contractor shall notify the engineer should there be any potential conflicts between existing utilities and proposed construction prior to construction.
- All proposed sidewalks and driveway aprons are to be graded / re-graded where necessary to avoid ponding of water on and adjacent to the sidewalks and aprons.
- The proposed pavement within the project limits may have grades different from the existing pavement. All edges of proposed pavement where they abut existing sidewalks or other pedestrian features shall have their elevations meet the existing feature. Sufficient transitions shall be provided at all intersections to maintain positive drainage flow.
- Contractor is responsible to ensure that proper storm drainage flow is maintained throughout construction.
- All dimensions, elevations and existing conditions shall be field verified by the contractor prior to construction. Any discrepancies shall be reported to the engineer.
- Within the project limits. All areas and facilities disturbed during project construction, including, but not limited to all bushes, shrubs, trees, mail boxes, light poles, fences, walls, painted steel hand rail pipe. All signs which were removed, or any and all other property removed or harmed in any way by work done under this contract, shall be restored to a condition equal to or better than the original.
- On public or private properties, beyond the project limits items such as mail boxes, light poles, sidewalks, shrubs, fences, signs, etc. damaged or disturbed by the contractor, shall be repaired or replaced at the contractor's expense, as directed by the engineer.
- The contractor shall replace all bounds (street line monuments and property markers) disturbed as a result of his operations and at his own expense. Said bounds shall again be established by a land surveyor licensed in the State of Connecticut.
- All erosion control measures shall be in place prior to commencing any construction and shall be maintained in proper working order until all disturbed areas are stabilized and ground cover is established.
- Dewatering wastewaters shall be discharged in a manner which limits turbidity and other impacts to downstream receiving waters.

LEGEND OF SYMBOLS

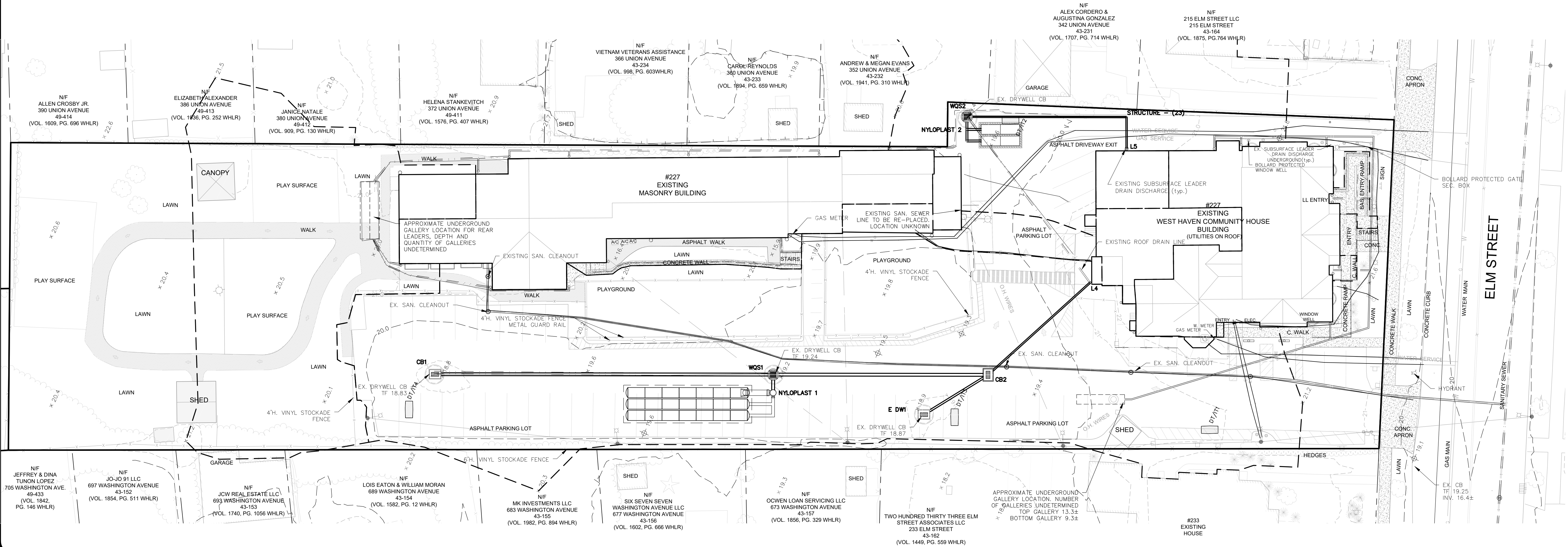
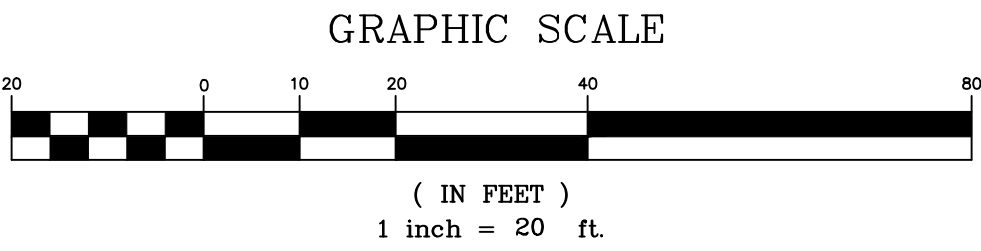


LOCATION MAP
SCALE: 1" = 300'

OWNER OF RECORD: WEST HAVEN COMMUNITY HOUSE ASSOC. INC.
c/o PETER SCHWARTZ
227 ELM STREET
WEST HAVEN 06516
(VOL. 282, PG. 670 WHLR)

TOTAL PARCEL AREA: 75,540 SQ.FT.±
1.7 AC.±

ASSESSORS MAP 43, LOT 163.
PARCEL IS IN ZONE: R4



REVISIONS

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CODESPOTI & ASSOCIATES P.C.

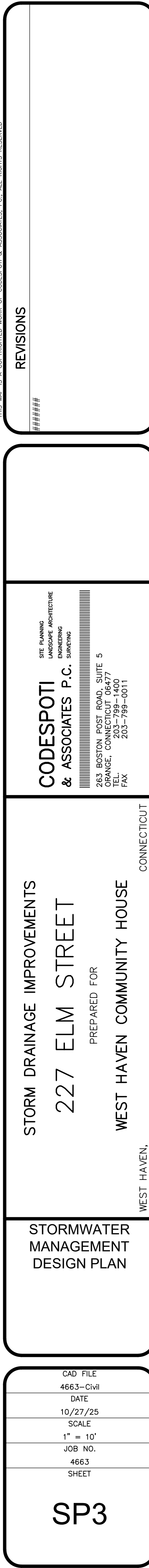
227 ELM STREET
WEST HAVEN, CT 06516
TEL: 203-799-1400
FAX: 203-799-3011

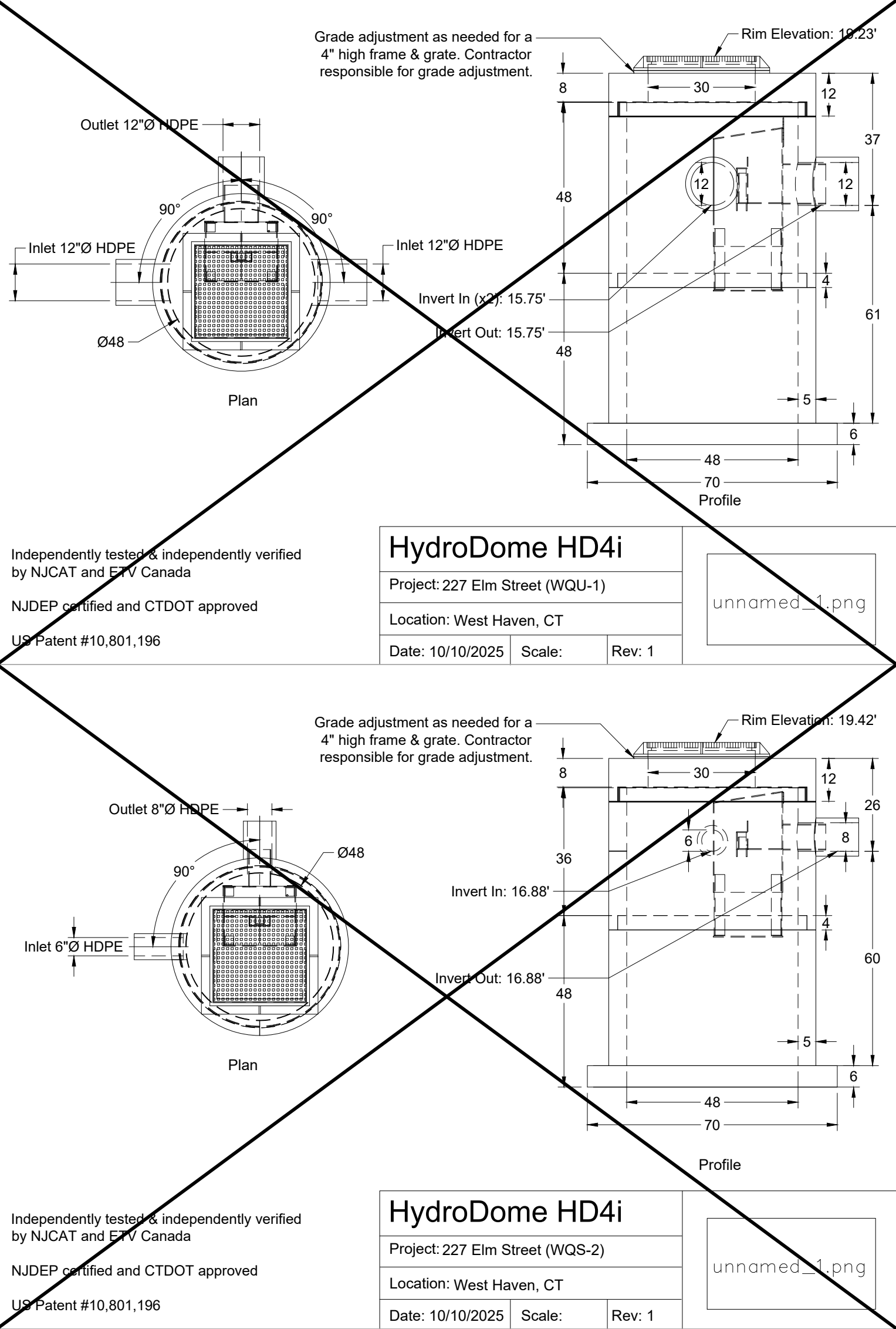
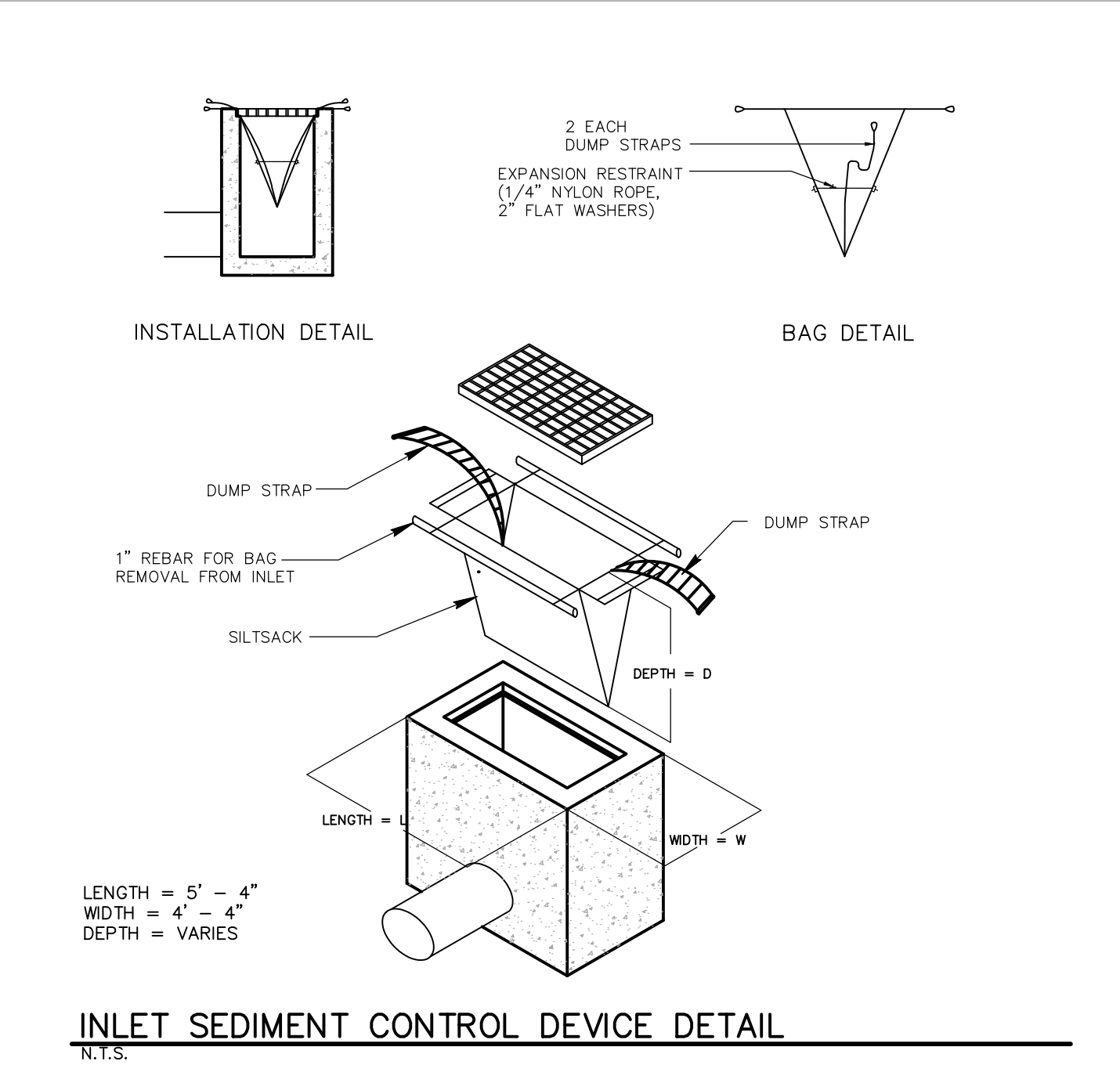
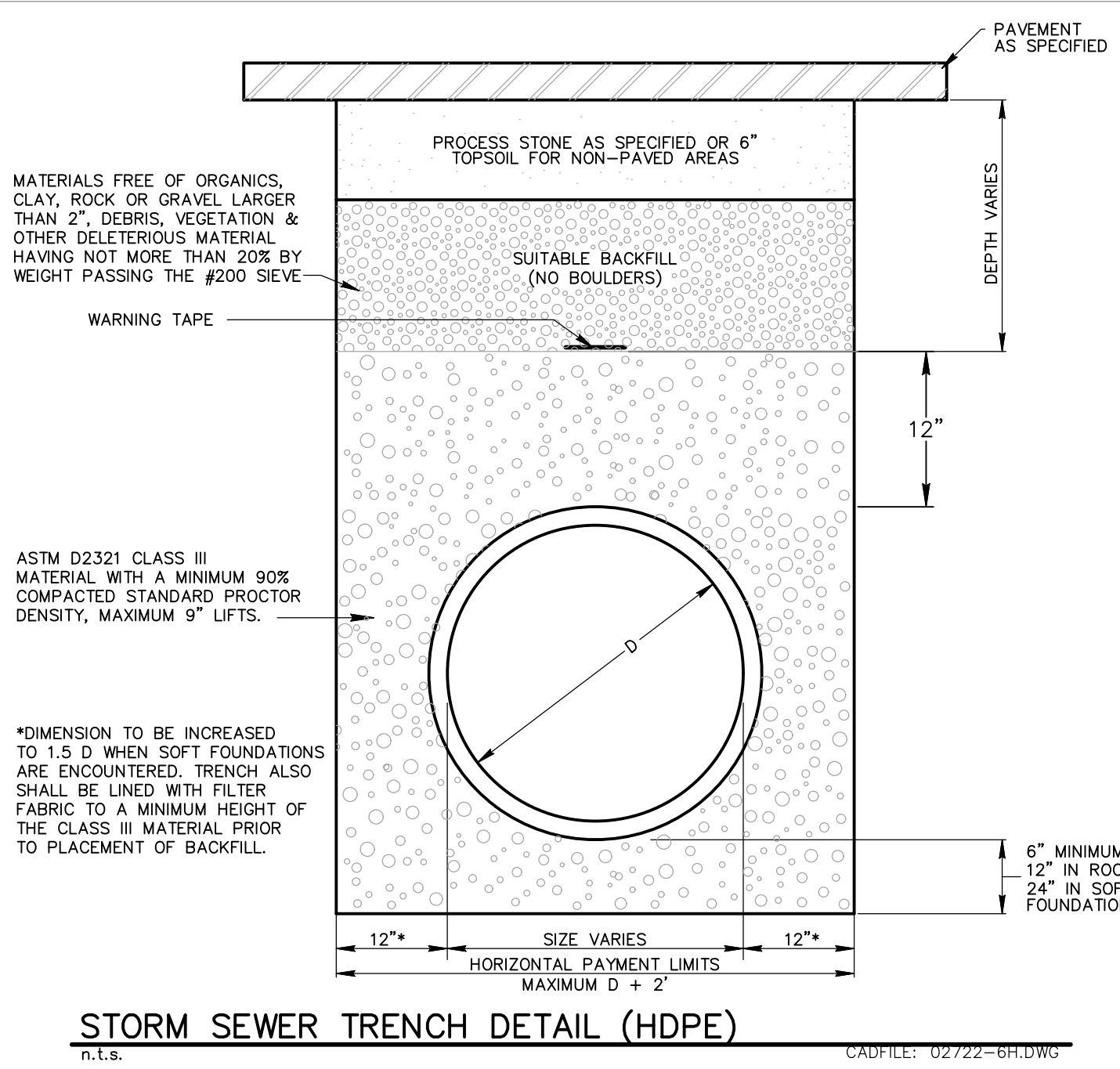
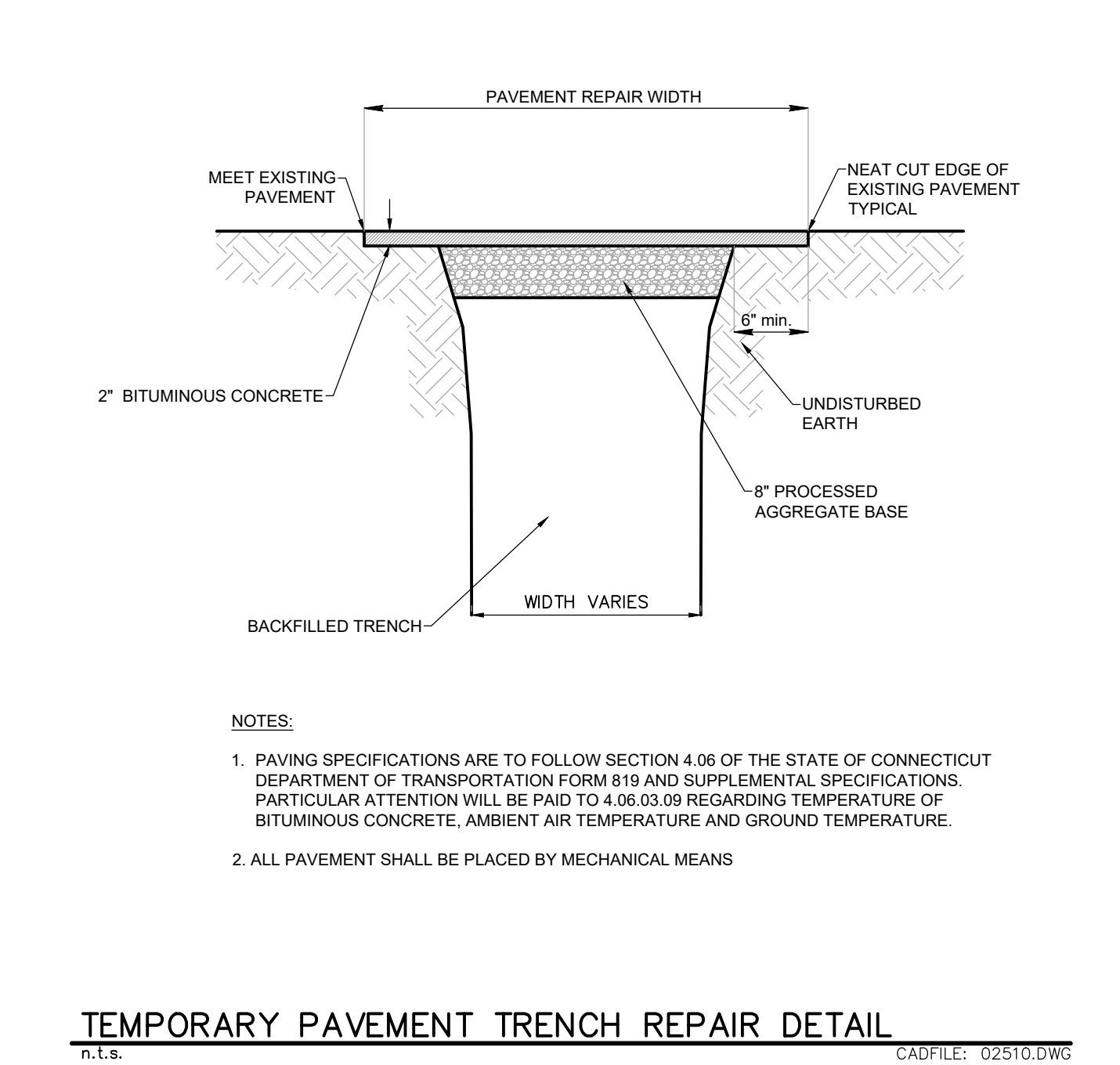
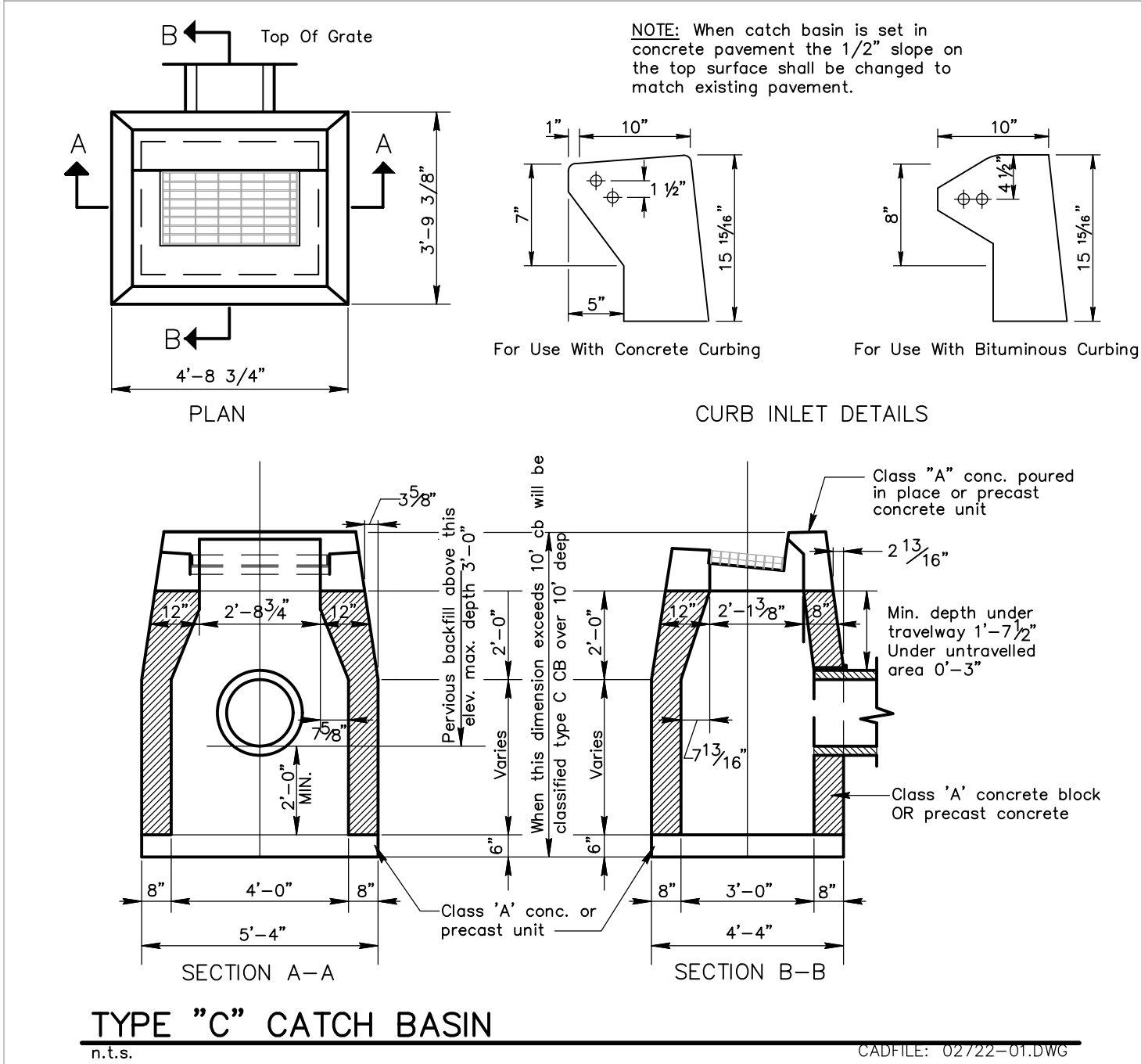
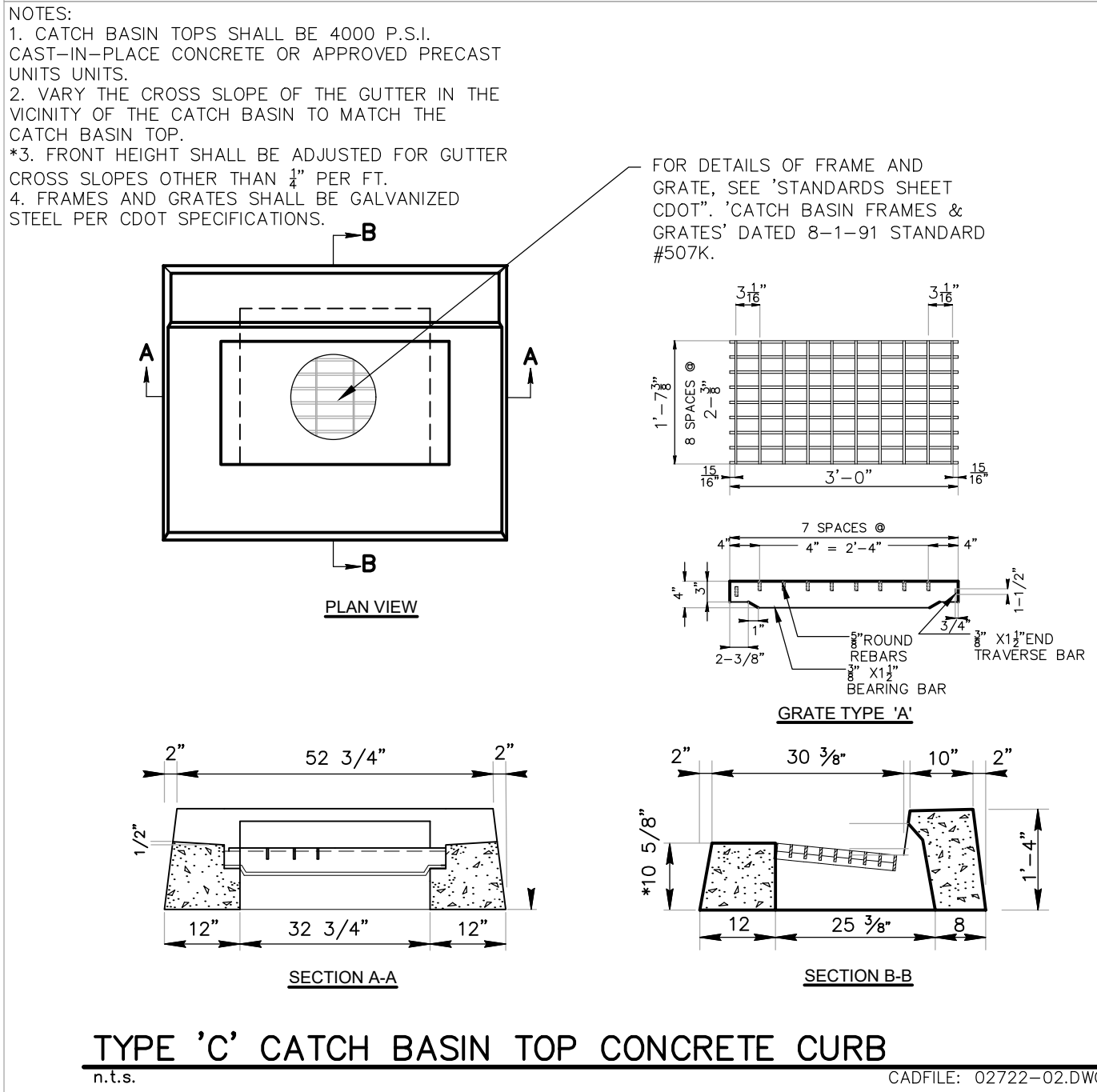
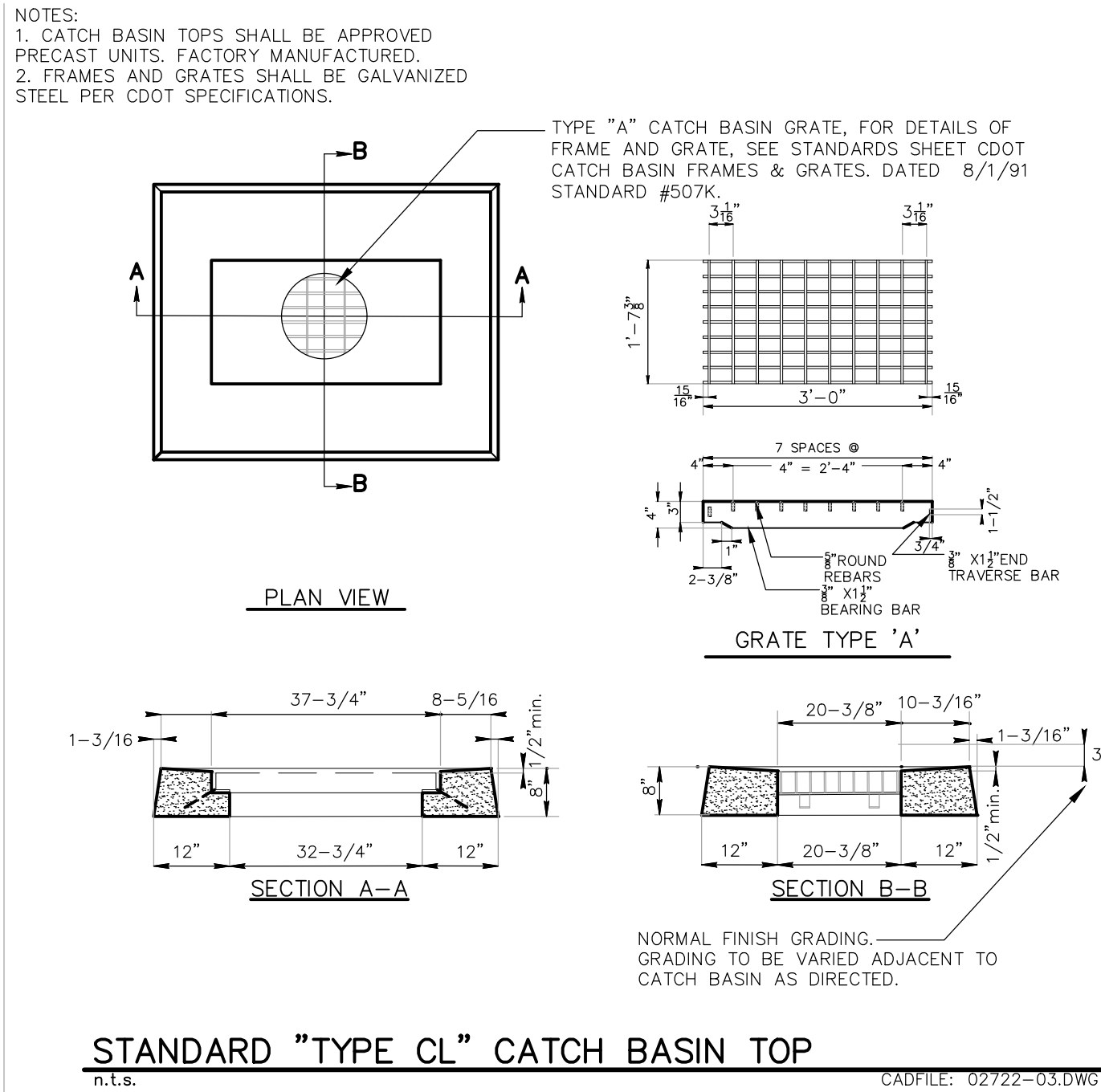
STORM DRAINAGE IMPROVEMENTS
227 ELM STREET
PREPARED FOR
WEST HAVEN COMMUNITY HOUSE
WEST HAVEN, CT

GRADING & UTILITY PLAN

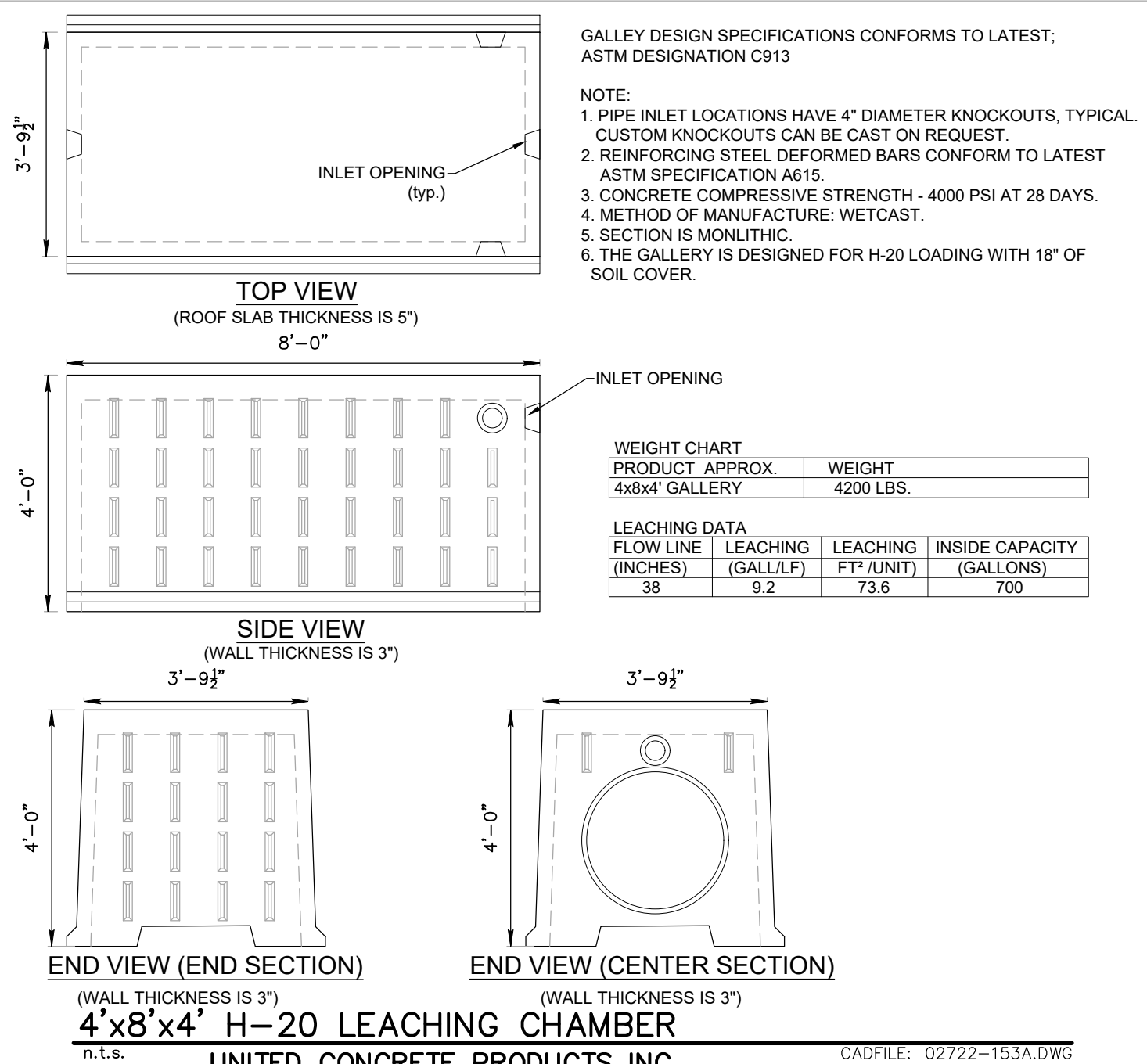
CAD FILE
4663-Civil
DATE
10/27/25
SCALE
1" = 20'
JOB NO.
4663
SHEET

SP2





HYDRODOME UNITS TO BE SUPPLIED BY WEST HAVEN COMMUNITY HOUSE.DELIVERY TO BE COORDINATED BY CONTRACTOR. CONTRACTOR RESPONSIBLE FOR INSTALLATION AND PIPE CONNECTIONS



REVISIONS

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SITE PLANNING
LANDSCAPE ARCHITECTURE
ENGINEERING
SURVEYING

CODESPOTI
& ASSOCIATES P.C.

100 SYSTEMS DRIVE SUITE 5
ORANGE, CONNECTICUT 06477
TEL: 203-799-1400
FAX: 203-799-3011

STORM DRAINAGE IMPROVEMENTS

227 ELM STREET

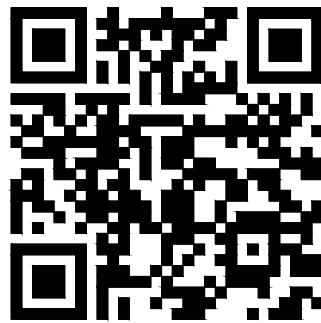
PREPARED FOR
WEST HAVEN COMMUNITY HOUSE

WEST HAVEN, CONNECTICUT

STORM DRAINAGE
DETAILS

CAD FILE
4663-Det
DATE
10/27/25
SCALE
AS NOTED
JOB NO.
4663
SHEET

SP4



227 ELM STREET

WEST HAVEN, CT, USA

DC-780 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH DC-780.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE DC-780 CHAMBER SYSTEM

- STORMTECH DC-780 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH DC-780 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER DC-780 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

REVISIONS

#####

CODESPOTI & ASSOCIATES P.C.

SITE PLANNING
LANDSCAPE ARCHITECTURE
ENGINEERING
SURVEYING

227 ELM STREET
WEST HAVEN, CT 06477
TEL: 203-799-1400
FAX: 203-799-1011

STORM DRAINAGE IMPROVEMENTS

227 ELM STREET

PREPARED FOR

WEST HAVEN COMMUNITY HOUSE

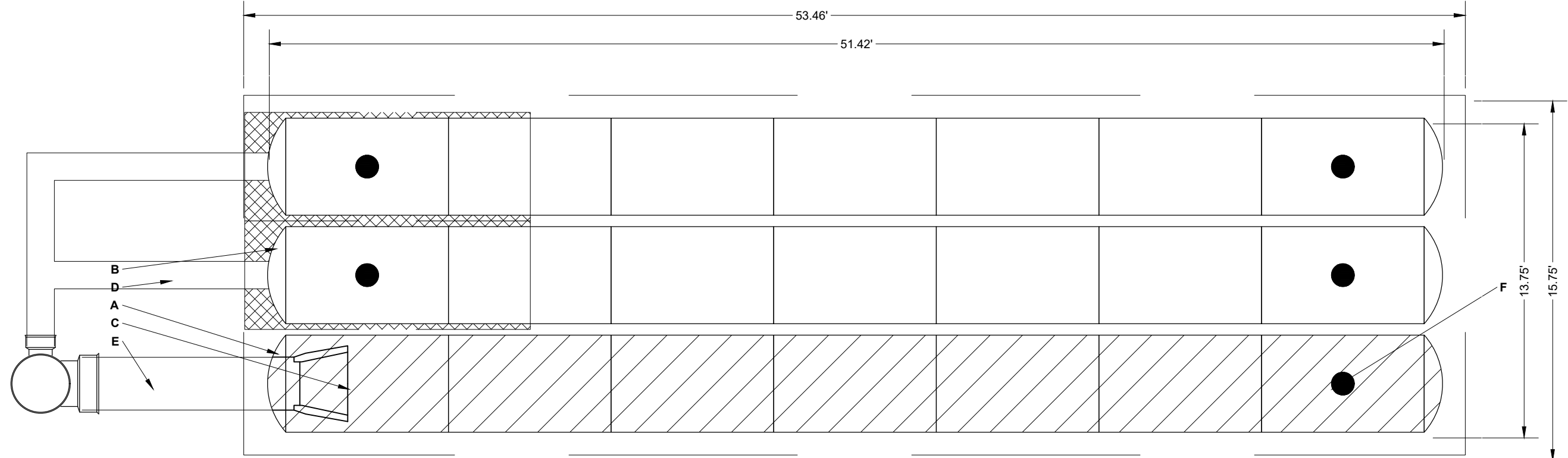
WEST HAVEN, CONNECTICUT

STORMTECH NOTES

CAD FILE
4663-Det
DATE
10/27/25
SCALE
AS NOTED
JOB NO.
4663
SHEET

SP8

PROPOSED LAYOUT			PROPOSED ELEVATIONS			INVERT ABOVE BASE OF CHAMBER		
				PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT	MAX FLOW
21	STORMTECH DC-780 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT UNPAVED):	27.25					
6	STORMTECH DC-780 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	17.25					
1	STONE ABOVE	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	15.75	10	PREFABRICATED E2 END CAP	24" BOTTOM PREFABRICATED E2 END CAP / PART# SC740CE2 / TYPE OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	0.10'	
9	STONE BELOW (IN)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	12.75					
4	STONE VOLUME (CF)	MINIMUM ALLOWABLE GRADE (GRADE OF FLEXIBLE PAVEMENT):	15.75					
1947	PERIMETER STONE VOLUME (CF) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE	15.75					
		TOP OF DC-780 CHAMBER	15.25	12	MANHOLD	C INSTALL FLAMPO ON 24" ACCESS PIPE / PART# SC8002RAMP		
		12" TOP PREFABRICATED E2 END CAP / PART# SC740CE2 / TYPE OF ALL 12" TOP CONNECTIONS	12.50'					
		12" x 12" TOP MANHOLD, ADS 112	12.50'					
		30" DIAMETER (24.00" SUMM MIN)						
903	BASE STONE INCLUDED	TOP OF STONE	12.75					
146.2	PERIMETER STONE (R)	TOP OF STONE	12.75					
		INSULATION PORT	12.75					
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ISOLATOR ROW PLUS
(SEE DETAIL)

PLACE MINIMUM 12.50' OF ADSPUS625 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

NOTES

- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE

NYLOPLAST DRAIN BASIN
NTS

INTEGRATED DUCTILE IRON FRAME & GRATE/SOLID TO MATCH BASIN O.D.

12" (610 mm) MIN (FOR AASHTO H-20)

INVERT ACCORDING TO PLANS/TAKE OFF

18" (457 mm) MIN WIDTH

AASHTO H-20 CONCRETE SLAB 8" (203 mm) MIN THICKNESS

TRAFFIC LOADS: CONCRETE DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED GIVING CONSIDERATION FOR LOCAL SOIL CONDITIONS, TRAFFIC LOADING & OTHER APPLICABLE DESIGN FACTORS

ADAPTER ANGLES VARIABLE 0°- 360° ACCORDING TO PLANS

VARIABLE SUMP DEPTH ACCORDING TO PLANS

6" (152 mm) MIN ON 8-24" (200-600 mm) 10" (254 mm) MIN ON 30" (750 mm)

4" (102 mm) MIN ON 8-24" (200-600 mm) 6" (152 mm) MIN ON 30" (750 mm)

VARIOUS TYPES OF INLET AND OUTLET ADAPTERS AVAILABLE: 4.30" (109-150 mm) FOR CORRUGATED HDPE

WATERTIGHT JOINT (CORRUGATED HDPE)

BACKFILL MATERIAL BELOW AND TO SIDES OF STRUCTURE SHALL BE ASTM D2321 CLASS II OR I CRUSHED STONE OR GRAVEL AND BE PLACED UNIFORMLY IN 12" (305 mm) LIFTS AND COMPACTED TO MIN OF 90%

A

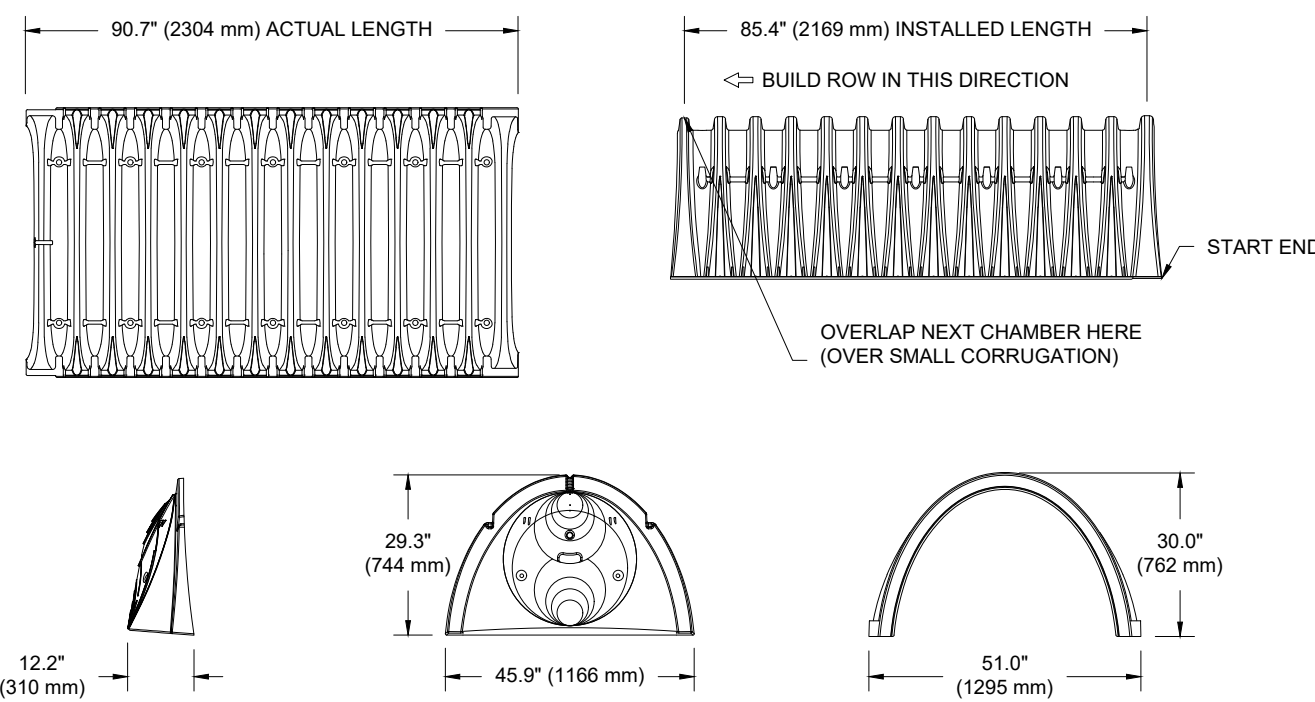
NOTES

NOTES

1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BAIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYLOPLAST-US.COM
6. TO ORDER CALL: **800-821-6710**

A		PART #		GRATE/SOLID COVER OPTIONS		
8" (200 mm)	2808AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY		
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY		
12" (300 mm)	2812AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20		
15" (375 mm)	2815AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20		
18" (450 mm)	2818AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20		
24" (600 mm)	2824AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20		
30" (750 mm)	2830AG	PEDESTRIAN AASHTO H-20	STANDARD AASHTO H-20	SOLID AASHTO H-20		

DC-780 TECHNICAL SPECIFICATION
NTS



<u>NOMINAL CHAMBER SPECIFICATIONS</u>		
SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	46.2 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.20 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

**ASSUMES 6" (152 mm) STONE ABOVE, 9" (229 mm) BELOW END CAPS, 6" (152 mm) BETWEEN ROWS, 12" (305 mm) BEYOND END CAPS

PART #	STUB	B	C
SC740EPE06TPC	8" (150 mm)	18.5" (470 mm)	---
SC740EPE080BPC	---	---	0.5" (13 mm)
SC740EPE08TPC	6" (150 mm)	16.5" (419 mm)	---
SC740EPE08BPC	---	---	0.6" (15 mm)
SC740EPE10TPC	10" (250 mm)	14.5" (368 mm)	---
SC740EPE10BPC	---	---	0.7" (18 mm)
SC740EPE12TPC	12" (300 mm)	12.5" (318 mm)	---
SC740EPE12BPC	---	---	1.2" (30 mm)
SC740EPE15TPC	15" (375 mm)	9.0" (229 mm)	---
SC740EPE15BPC	---	---	1.3" (33 mm)
SC740EPE18TPC	18" (450 mm)	5.0" (127 mm)	---
SC740EPE18BPC	---	---	1.6" (41 mm)
SC740CEZ*	24" (600 mm)	---	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740ECEZ THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm) BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

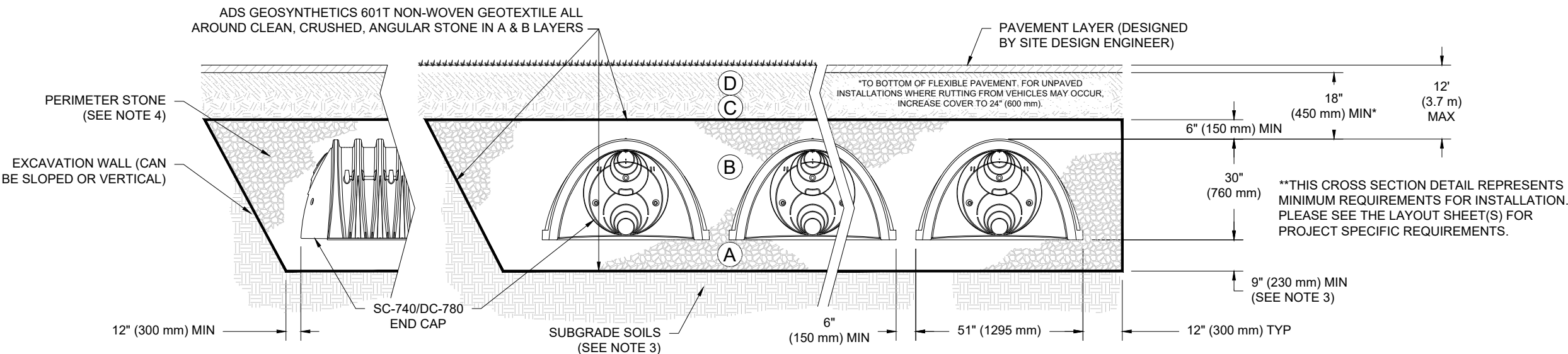
NOTE: ALL DIMENSIONS ARE NOMINAL; PRE-CORED END CAPS END WITH "PC"

ACCEPTABLE FILL MATERIALS: STORMTECH DC-780 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145¹ A-1, A-2, A-3 OR AASHTO M43¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 98% PROCTOR DENSITY FOR WELL-GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE¹	AASHTO M43¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE¹	AASHTO M43¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.²,³

PLEASE NOTE:

1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERSAGES WITH A VIBRATORY COMPACTOR.
3. IN 'B' LOCATION SITUATIONS MAY BE COMPROMISED BY COMPACTION. FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION. WHEN RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. DC-780 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF THE CHAMBER DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT²/IN. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

DC-780 ISOLATOR ROW PLUS DETAIL



- STEP 1** INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION OPEN LID (IF PRESENT)**
 - A.1. REMOVE/OPEN LID ON NY/PLAST INLINE DRAIN
 - A.2. REMOVE AND CLEAN FLEXFORM FILTER IF INSTALLED
 - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL IF SEDIMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - B. ALL ISOLATOR PLUS ROWS**
 - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - i) MIRRORS OR POLES OR CAMERA MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2** CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLOW WATER IS CLEAN
 - C. VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3** REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4** INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

DC-780 CROSS SECTION DETAIL