



TOWN OF ELSMERE

REQUEST FOR PROPOSAL NO. 25-03

Patty Blevins Walking Path – Tamarack Avenue Drainage Improvements

February 13, 2025

**Deadline to Respond
Monday, March 10, 2025
2:00 PM**

REQUEST FOR PROPOSAL NO. 25-03

Patty Blevins Walking Path – Tamarack Avenue Drainage Improvements

ALL OFFERORS:

The enclosed packet contains "REQUEST FOR PROPOSAL 25-03" for the PATRICIA M. BELVIN PEDESTRIAN PATH OFF TAMARACK AVE DRAINAGE IMPROVEMENTS within the Town of Elsmere, Delaware. The proposal consists of the following documents:

1. Appendix "A" Proposal Form
2. Appendix "B" Affidavit of Workers Eligibility
3. Appendix "C" Debarment Certification
4. Appendix "D" Sample Certificate of Insurance
5. Proposal

Your proposal and the proposal reply section must be executed completely and correctly and returned in a clearly marked envelope displaying the RFP Number by 2:00 p.m., Monday, March 10, 2025, to be considered. Proposals shall be submitted to the Town of Elsmere, Finance Department, 11 Poplar Avenue, Elsmere, Delaware 19805. Electronic proposals will not be accepted.

Please review and follow the information and instructions contained in the General Provisions and this Request for Proposal. Should you need additional information, please contact the Town Manger Steven Martin via email at Smartin@townofelsmere.com.

SECTION 1

1. COMPETITIVE SEALED PROPOSAL:

It has been determined by The Town of Elsmere, in the best interest of the Town, this solicitation be offered as a request for proposals so that the Town will be able to:

1. Provide Proposers an opportunity for discussion and revision of their proposal. Revisions may be permitted after submission of proposals but prior to the award of a contract for the purpose of obtaining a final contract which is in the best interest of the Town.
2. To allow negotiations between the Town and a responsible Proposer who has submitted a Proposal found to be reasonably likely to be selected for awarding a contract. The contents of any proposal shall not be disclosed so as to be available to competing Proposers during the negotiation process.
3. Conduct oral or written discussions with Proposers concerning technical and price aspects of their proposal; and
4. Compare the different price, quality and contractual factors of all proposals submitted.

2. PROPOSAL REQUIREMENTS:

Any proposal must have costs and equipment lists broken down and must include all removal, disposal, purchase and installation of all equipment and materials.

3. CONTRACT PERIOD:

Should the Mayor and Council decide to issue a contract, each Proposer's contract shall be valid until the construction under this contract is complete.

4. PRICES:

Prices and/or rates shall be all inclusive and shall remain firm for the term of the contract, unless further negotiations are deemed necessary by the Town.

The pricing policy that you choose to submit must address the following concerns:

- a. The structure must be clear, accountable and auditable.
- b. It must cover the full spectrum of services required.
- c. Costs and compensation must be consistent with the rates established or negotiated as a result of this RFP or P.O. issued based on any contract.

5. QUANTITIES:

The attention of Proposers is called to the fact that, unless stated otherwise, the quantities given in the proposal are best estimates, and are given as a basis for the comparison of the proposals. Quantities ordered may be increased or decreased by the Town as deemed necessary during the period of any contract.

6. FUNDING OUT:

Proposals are being requested to allow the Town to determine the feasibility of continuing to outsource the services requested in the proposal. It is anticipated that a decision by the Town will be reached regarding the feasibility completing work requested in the proposal within sixty (60) days of the proposal deadline. If a decision to complete the project is approved, the actual award of a contract will be reached within ninety days (90) of that decision. The awarding or continuation of any contract which may ultimately be awarded, is contingent upon funding being appropriated by the Mayor and Council.

7. PERFORMANCE BOND REQUIREMENT:

Should a contract be awarded, the proposer shall be required to post a performance bond in an amount equal to the total amount of their proposal.

8. MANDATORY INSURANCE REQUIREMENTS:

Certificate of Insurance and/or copies of insurance policies for the following:

1. As a part of the contract requirements, the Proposer shall obtain at its own cost and expense and keep in force and effect during the term of this contract, including all extensions, the minimum coverage's provided coverage limits specified below with a carrier satisfactory to the Town. Proof of such coverages must be provided to the Town prior to any work being performed.

A. Comprehensive General Liability

\$1,000,000 Each Occurrence
\$2,000,000 Products/Completed Operations
\$1,000,000 Personal & Advertising Injury
\$2,000,000 General Aggregate

The Town of Elsmere must be included as an Additional Insured via form CG2010 and CG2037 or equivalent. Additional Insured status must be granted on a Primary & Non-Contributory Basis. A Waiver of Subrogation is granted in favor of The Town of Elsmere.

B. Automotive Liability

\$1,000,000 Combined Single Limit

Includes ALL Owned, Hired & Non-Owned Vehicles

The Town of Elsmere must be included as an Additional Insured and Additional Insured status must be granted on a Primary & Non-Contributory Basis. A Waiver of Subrogation is granted in favor of The Town of Elsmere.

C. Workers Compensation & Employers Liability

Workers Compensation - Statutory Coverage (All owners, sole proprietors, members, partners, etc. must be included in Workers Compensation Coverage)

Employers Liability

Each Accident -	\$1,000,000
Each Disease -	\$1,000,000
Disease Policy Limit -	\$1,000,000

A Waiver of Subrogation is granted in favor of The Town of Elsmere.

D. Umbrella Liability

\$2,000,000 Each Occurrence
\$2,000,000 General Aggregate

The Town of Elsmere must be included as an Additional Insured via form CG2010 and CG2037 or equivalent (Following the Underlying Additional Insured Forms) Additional Insured status must be granted on a Primary & Non-Contributory Basis. A Waiver of Subrogation is granted in favor of The Town of Elsmere.

E. Errors & Omissions (Subject to The Town of Elsmere Requirements)

9. BUSINESS LICENSE:

Prior to receiving an award, the successful Proposer shall furnish the Town with proof of a State of Delaware, New Castle County (if applicable) and Town of Elsmere Business Licensure.

10. HOLD HARMLESS:

The Proposer agrees that it shall indemnify and hold the Town of Elsmere and all its agencies and employees harmless from and against all claims for injury, loss of life, or damage to or loss of use of property caused or alleged to be caused, by acts or omissions of the Proposer, its employees, and invitees on or about the premises and which arise out of the Proposer's performance, or failure to perform as specified in the Agreement.

11. NON-PERFORMANCE:

In the event the Proposer does not fulfill its obligations under the terms and conditions of this contract, the Town may purchase equivalent product on the open market. Any difference in cost between the contract prices herein and the price of open market product shall be the responsibility of the Proposer. Under no circumstances shall monies be due to the Proposer in the event open market products can be obtained below contract cost. Any monies charged to the Proposer may be deducted from an open invoice.

12. FORCE MAJEURE:

Neither the Proposer nor the Town of Elsmere shall be held liable for non-performance under the terms and conditions of this contract due, but not limited to, government restriction, strike, flood, fire, or unforeseen catastrophe beyond either party's control. Each party shall notify the other in writing of any situation that may prevent performance under the terms and conditions of this contract.

13. EXCEPTIONS:

Proposers may elect to make minor exceptions to the terms and conditions of this RFP. The Town of Elsmere will evaluate each exception according to the intent of the terms and conditions contained herein,

but the Town shall reject exceptions that do not conform to Federal, State or Local law and/or create inequality in the treatment of Proposers.

Exceptions shall be considered only if they are submitted with the proposal or before the date and time of the proposal opening.

14. BUSINESS REFERENCES:

Proposers must supply three (3) business references consisting of current or previous customers to which they provided similar services to a similar number of residential properties. Each reference provided shall contain the name, address, telephone number, fax number, e-mail address, and the name of a verifiable current contact person.

15. RESPONSIBILITY:

Those providing a proposal must affirmatively demonstrate their ability to meet the following requirements:

- a. Have adequate financial resources, or the ability to obtain such resources as required.
- b. Be able to comply with the required or proposed delivery schedule.
- c. Own a sufficient number of vehicles and equipment to ensure consistent delivery of the services without interruption should the Proposer experience break down or equipment failures.
- d. Employ enough employees to convince the Town that a lack of employees will not be an issue throughout the contract period.
- e. Have a satisfactory record of performance.
- f. Be otherwise qualified and eligible to receive an award.
- g. Possess and maintain throughout the term of the contract should one be awarded, a valid State of Delaware, New Castle County and Town of Elsmere, Business License.
- h. All services shall be provided during the normal work week (Monday through Friday) between the hours of 8:00am and 4:00pm. Prior approval of the Town Manager must be obtained prior to any work being performed after 4:00pm or on a Saturday or Sunday.

The Town may request other information sufficient to determine provider's ability to meet requirements of this Request for Proposal.

16. PROPOSAL ADMINISTRATION:

Under this Proposal, the Town Manager of the Town of Elsmere, shall be the Proposal Administrator with designated responsibility to ensure compliance with proposal requirements, such as but not limited to, acceptance, inspection and delivery. The Proposal Administrator will serve as liaison between the Town of Elsmere and the successful Proposer.

17. DESIGNATED CONTACT PERSON:

Proposer shall provide the Town with a local contact number within the (302) area code, and one specific person who shall be designated by the Proposer as a single point of contact. This person is to serve as liaison between the Proposer and the Town concerning all compliance issues with proposal requirements.

18. BILLING AND PAYMENT:

Payment shall be made by check from the Town of Elsmere upon satisfactory completion and acceptance of items and submission of an invoice to the Town for work specified by this Proposal Document. All payments owed will be paid no later than thirty (30) days after the invoice is received by the Town.

At a minimum, invoices shall include:

1. Name, address, and telephone number of Vendor and similar information in the event the payment is to be made to a different address
2. Town of Elsmere Proposal Number, Purchase Order, and/or delivery order number
3. Identification of items or service as outlined in the Proposal
4. The quantity or quantities, applicable unit prices, total prices, and total amount
5. Any additional payment information which may be called for by the Proposal

Payment inquiries should be directed to the Town of Elsmere Finance Department; Attention: Valarie Strzempa at (302) 998-2215.

19. DOCUMENT(S) EXECUTION:

Both the non-collusion statement that is enclosed with this Request for Proposal and the contract form delivered to the successful Proposer for signature shall be executed by a representative who has the legal authority to enter the organization into a formal contract with the Town of Elsmere.

20. FORMAL CONTRACT AND/OR PURCHASE ORDER:

No Proposer or any of their employees is authorized to begin any work prior to receipt of a Town of Elsmere award letter signed by authorized representatives of the Town authorizing the service. No purchase order, telephone call, or fax shall serve as the authorization to proceed with work in accordance with the bid specifications and the special instructions.

21. TIME OF PERFORMANCE:

The services of the Proposer are to commence after receipt of an award letter and shall be undertaken and completed in such sequence as to assure their expeditious completion in the light of the purposes of the contract. In any event all the services required hereunder shall be completed no later than the time periods set out in any schedule contained in the project Scope of Work. Any such schedule shall be maintained by the Proposer unless amended, in writing, by both parties.

22. PROPOSER RESPONSIBILITY:

The Town may enter into a contract with the successful Proposer. The successful Proposer shall be responsible for all products and services as required by this RFP. Sub-proposers, if any, shall be clearly identified in the financial proposal.

23. PERSONNEL:

- a. The Proposer represents that they have, or will secure at their own expense, all personnel required to perform the services required under this contract.
- b. All of the services required hereunder shall be performed by the Proposer or under their direct supervision, and all personnel engaged in the work shall be fully qualified and shall be authorized under State and local law to perform such services.
- c. None of the work or services covered by this contract shall be subcontracted without the prior written approval of the Town.

24. TERMINATION OF CONTRACT:

Should a contract be awarded, if for any reason, or through any cause, the Proposer fails to fulfill in timely and proper manner his obligations, or if the Proposer violates any of the covenants, agreements, or stipulations of the contract, the Town of Elsmere shall have the right to terminate the contract by giving written notice to the Proposer of such termination and specifying the effective date thereof, at least five (5) days before the effective date of such termination. In that event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports or other material prepared by the Proposer in the performance of the contract shall, at the option of the Town of Elsmere, become its property, and the Proposer shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials which is usable to the Town.

25. CHANGES:

Both parties may, from time to time, require changes in the services to be provided by the Proposer under the Scope of Work. Such changes, including any increase or decrease in the amount of the Proposer's compensation, which are mutually agreed upon by and between the Town and the Proposer, shall be incorporated in written amendments any contract awarded.

26. RIGHTS AND OBLIGATIONS:

The rights and obligations of each party to this agreement shall not be effective, and no party shall be bound by the terms of this agreement, unless and until a valid contract has been awarded and executed.

27. ASSIGNMENT OF ANTITRUST CLAIMS:

As consideration for the award and execution of this contract by the Town of Elsmere, the Proposer hereby grants, conveys, sells, assigns, and transfers to the Town of Elsmere all of its rights, title and interest in and to all known or unknown causes of action it presently has, or may now, or hereafter acquire under the antitrust laws of the United States and the Town of Elsmere, relating to the particular goods or services purchased or acquired by the Town of Elsmere pursuant to this contract.

28. COVENANT AGAINST CONTINGENT FEES:

The Proposer warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees. For breach or violation of this warranty, the Town of Elsmere shall have the right to annul this contract without liability, or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

29. GRATUITIES:

- a. If it is found, after notice and hearing, by the Town of Elsmere that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the Proposer or any agent of the Town of Elsmere with a view toward securing a contract, or securing favorable treatment with respect to the awarding, amending, or the making of any determinations with respect to the performance of this contract, the Town of Elsmere may, by written notice to the Proposer,
 - b. terminate the right of the Proposer to proceed under this contract and/or may pursue such other rights and remedies provided by law or under this agreement; provided that the existence of the facts upon which the Town of Elsmere makes such findings shall be in issue and may be reviewed in proceedings pursuant to the remedies clause of this contract; and
 - c. In the event this contract is terminated pursuant to subparagraph "a", the Town of Elsmere shall be entitled (i) to pursue the same remedies against the Proposer, and (ii) to exemplary damages, as a penalty in addition to any other damages to which it may be entitled by law, in an amount which shall be not less than three, nor more than ten, times the costs incurred by the Proposer in providing any such gratuities to any such officer or employee. The amount of such exemplary damages shall be in the sole discretion of the Town of Elsmere.

30. AFFIRMATION:

The Proposer must affirm that within the past five (5) years the firm or any officer, controlling stockholder, partner, principal, or other person substantially involved in the contracting activities of the business is not currently suspended or debarred and is not a successor, subsidiary, or affiliate of a suspended or debarred business.

31. AUDIT ACCESS TO RECORDS:

The Proposer shall maintain books, records, documents, and other evidence pertaining to this Contract to the extent and in such detail as shall adequately reflect performance hereunder. The Proposer agrees to preserve and make available to the Town of Elsmere, upon request, such records for a period of five (5) years from the date services were rendered by the Proposer. Records involving matters in litigation shall be retained for one (1) year following the termination of such litigation. The Proposer agrees to make such records available for inspection, audit, or reproduction to any official Town of Elsmere representative in the performance of his/her duties under the Contract. Upon notice given to the Proposer, representatives of the Town of Elsmere or other duly authorized Town of Elsmere or Federal agency may inspect, monitor, and/or evaluate the cost and billing records or other material relative to this Contract. The cost of any Contract audit disallowances resulting from the examination of the Proposer's financial records will be borne by the Proposer.

Reimbursement to the Town of Elsmere for disallowances shall be drawn from the Proposer's own resources and not charged to Contract cost or cost pools indirectly charging Contract costs.

32. TERMINATION OF CONTRACT:

a. Termination for Cause - If, for any reasons, or through any cause, the Proposer fails to fulfill in timely and proper manner his obligations under this Contract, or if the Proposer violates any of the covenants, agreements, or stipulations of this Contract, the Town of Elsmere shall thereupon have the right to terminate this contract by giving written notice to the Proposer of such termination and specifying the effective date thereof, at least 5 days before the effective date of such termination. In that event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports or other material prepared by the Proposer under this Contract shall, at the option of the Town of Elsmere, become its property, and the Proposer shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials which is usable to the Town of Elsmere.

b. Termination for Convenience - The Town of Elsmere may terminate this Contract at any time by giving written notice of such termination and specifying the effective date thereof, at least 15 days before the effective date of such termination. In that event, all finished or unfinished documents, data, studies, surveys, drawings, models, photographs, reports, supplies, and other materials shall, at the option of the Town of Elsmere, become its property and the Proposer shall be entitled to receive compensation for any satisfactory work completed on such documents and other materials, and which is usable to the Town of Elsmere. If the Contract is terminated by the Town of Elsmere as provided herein, the Proposer will be paid an amount which bears the same ratio to the total compensation as the services actually performed bear to the total services of the Proposer covered by this Contract, less payments of compensation previously made. Provided however that if less than 60 percent of the services covered by this Contract have been performed upon the effective date of termination, the Proposer shall be reimbursed (in addition to the above payment) for that portion of the actual out-of-pocket expenses (not otherwise reimbursed under this Contract) incurred by the Proposer during the Contract period which are directly attributable to the uncompleted portion of the services covered by this Contract.

33. REMEDIES:

Except as otherwise provided in this contract, all claims, counterclaims, disputes, and other matters in question between the Town of Elsmere and the Proposer arising out of, or relating to, this contract, or a breach of it may be decided by arbitration if the parties mutually agree, or in a court of competent jurisdiction.

34. AMENDMENTS:

This contract may be amended, in writing, by agreement of both parties.

35. PROFESSIONAL SERVICES PROCUREMENT METHOD (IF APPLICABLE):

The Town of Elsmere shall evaluate qualifications and prepare a list, ranking in order of preference, of the Proposals deemed to be qualified to perform the required services for each service/contract.

The Town of Elsmere will enter into negotiations with the most qualified Proposer selected as a result of the Request for Proposal process.

Beginning with the top Proposer designated on the list for the Service/Contract; the Town of Elsmere shall begin negotiations. After the successful negotiations, a contract will be entered into with the successful Proposer. If the Town of Elsmere is unsuccessful in negotiating the most qualified Proposer, it will negotiate with the next most qualified Proposer, and so on.

36.SUBCONTRACTS:

Subcontracting is permitted under this RFP and contract. However, every Sub-Proposer shall be identified in the Proposal and agreed to in writing by the Town of Elsmere. Any substitutions in or additions to such Sub-Proposers, associates, or consultants will be subject to the prior written approval of the Town of Elsmere.

The Proposer(s) shall be responsible for compliance by the Sub-Proposer with all terms, conditions and requirements of the RFP and with all local, State and Federal Laws. The Proposer shall be liable for any noncompliance by any Sub-Proposer. Further, nothing contained herein or in any Sub-Proposer agreement shall be construed as creating any contractual relationship between the Sub-Proposer and the Town of Elsmere.

37.TOWNS RESPONSIBILITIES:

The Town shall:

- a. Examine and review in detail all letters, reports, drawings and other documents presented by the Proposer to the Town and render to the Proposer in writing, findings and decisions pertaining thereto within a reasonable time so as not to delay the services of Proposer.
- b. Give prompt written notice to the Proposer whenever the Agency observes or otherwise becomes aware of any development that affects the scope or timing of the Proposer's services.

38.CONFIDENTIALITY:

Specific attention should be given to the identification of those portions of your proposal which you deem to be confidential or proprietary information which should not be disclosed under the Delaware Public Information Act. Proposers are advised that upon request for this information from a third party, the Town is required to make an independent determination as to whether the information may be or must be divulged to the party.

39.CONTRACT DOCUMENTS:

The Definitions and General Provisions and any Special Instructions, Specifications, Request for Proposal, Proposal, Purchase Order, and Contract shall be a part of and constitute the entire Agreement entered into by the Town of Elsmere and any Proposer. In the event there is any discrepancy between any of these contract documents, the following order of documents governs so that the former prevails over the latter:

1. Contract
2. Request for Proposal Specifications or Scope of Work Definitions & General Provisions Proposal
3. Purchase Order Special Instructions

40. ASSIGNMENT:

This contract shall not be assigned except by express written consent from the Town of Elsmere.

SECTION 2

1. FORMAT FOR PROPOSAL:

A. INTRODUCTION:

This section prescribes the mandatory format for the presentation of a proposal in response to this RFP. Each Proposer must provide every component listed in the order shown in this RFP, using the format prescribed for each component. A proposal may be rejected if it is incomplete or conditional.

B. COVER LETTER:

Each proposal will have a cover letter on the letterhead of the company or organization submitting the proposal. The cover letter must briefly summarize the Proposers ability to provide the services specified in the RFP.

The cover letter shall be signed by a representative who has the legal capacity to enter the organization into a formal contract with the Town of Elsmere.

C. TABLE OF CONTENTS:

Each proposal must include a Table of Contents with page numbers for each of the required components of the proposal.

D. DESCRIPTION OF SERVICES AND QUALIFICATIONS:

Each proposal must contain a detailed description of how the Proposer will provide each of the services outlined in this RFP. This part of the proposal may also include descriptions of any enhancements or additional services or qualifications the Proposer will provide that are not mentioned in this RFP.

E. NUMBER OF COPIES WITH MAILING OF PROPOSAL:

Four (4) copies of the Proposal and 1 USB copy shall be submitted in a sealed package clearly marked with the name of the Proposer and labeled Town of Elsmere RFP 25-02, Town Hall Window Replacements. One of the copies shall be marked "Master Copy" and will contain original signatures in all locations requiring a Proposers signature. The remaining three (3) copies do not require original signatures.

F. ADDENDA TO THE RFP:

If it becomes necessary to revise any part of this RFP, revisions in writing will be provided to all Proposers known to have received a copy of the RFP. Potential Proposers shall acknowledge in writing receipt of all amendments, addenda and changes issued in connection with this RFP by submitting an affirmative statement in the Proposal.

G. INCURRED EXPENSES:

The Town of Elsmere will not be responsible for any expenses incurred by the bidder in preparing and submitting a proposal.

H. ECONOMY OF PREPARATION:

Proposals should be prepared simply and economically, providing a straight-forward, concise description of the Proposers offer to meet the requirements of the RFP. DO NOT USE RING BINDERS.

I. RIGHT TO REJECT PROPOSALS/WAIVE OR CORRECT MINOR IRREGULARITIES:

The Town of Elsmere reserves the right to withdraw this Request for Proposal, to reject any proposals, to waive minor irregularities in proposals or to allow the offeror to correct a minor irregularity if the best interest of the Town of Elsmere will be served by doing so.

SECTION 3

GENERAL INSTRUCTIONS:

All Proposals submitted must be valid for a period of one hundred eighty (180) days after Proposal Deadline.

The successful proposal if awarded will become a part of the contract between the Town of Elsmere and the successful Vendor.

Prior to submitting Proposal, Proposers are required to examine the Proposer instructions, specifications and Proposal forms carefully. Failure to do so will be at the Proposers risk.

All costs directly or indirectly related to the preparation of a response to this Proposal, or any oral presentation required by the Town of Elsmere to supplement and/or clarify a Proposal shall be the sole responsibility of the Proposer.

All certificates of insurance coverage must be provided to the following individual prior to beginning work:

Steven Martin
Town Manager
Town of Elsmere
11 Poplar Avenue
Elsmere, Delaware 19805

Proposers must provide a list of at least three (3) entities where projects and services have been provided that is similar in size and scope.

It shall be the sole responsibility of the Proposer to visit the sites where the grounds are to be maintained and ask any questions, they may have request clarification as to the specific requirements of this request for proposal with the Town Manager or his designated representative prior to submitting a proposal.

The successful Proposer must supply all of the equipment, materials and labor. The Town of Elsmere may provide storage space for the Proposers equipment only after written requests have been submitted.

The Proposer must submit a status report of jobs completed to the Town Manager on a weekly basis. This report will list completed job duties during the reporting period. Duties to be reported include work performed, and project status updates. Problem conditions that are encountered during the normal duties of the Proposer shall be reported as well. This report may also contain any other comments or suggestions. A representative of the Town of Elsmere will periodically throughout the year conduct site evaluations and compliance reports will be completed and turned into the Town Manger on the performance of the Proposer based on the project completion schedule and specifications.

If at any time the Proposers performance fails to meet expectations the Proposer will be provided an opportunity to correct any deficiencies which will not exceed a period of thirty (30) days. If performance does not improve, the contract will be cancelled.

GENERAL SPECIFICATIONS

Description: This RFP is for a large-scale drainage project which will improve the infrastructure of the Town's drainage system along the Patty Blevins Walking Path and Tamarack Avenue. The specific project site is located along Tamarack Avenue between O Street and the Patricia M. Belvin Pedestrian Path, and along the Patricia M. Belvin Pedestrian Path between Tamarack Avenue and Dover Avenue at Fairgrounds Park in the Town of Elsmere, Delaware.

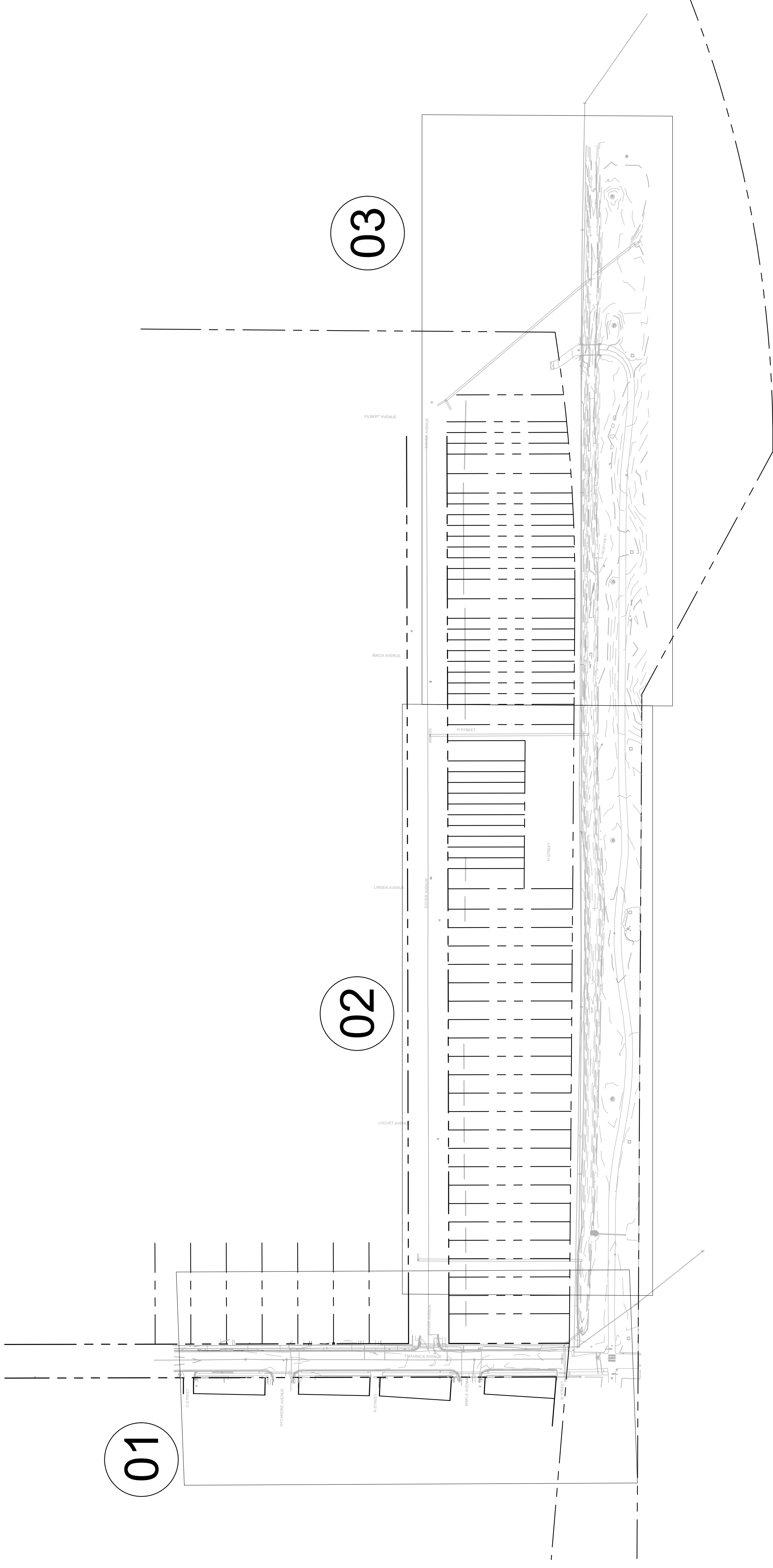
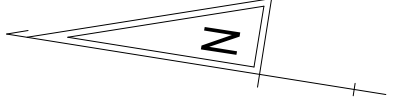
The goal, as part of stormwater improvement measures, is to enhance the existing storm drainage systems to reduce water ponding along Tamarack Ave as well as flood mitigation within low lying areas along the Patricia M. Belvin Pedestrian Path. Thus, the project consists of installing 5 new storm drain inlets and manholes along Tamarack Avenue with new storm drain pipes to tie into the existing storm drain network. Additional construction includes installation of a 4-foot wide by 1,600 linear foot (LF) swale with riprap stabilization at the outfalls along the Pedestrian Path. Proposed construction will also include repairing pavement surface via milling and overlaying about 200 LF section along Tamarack Ave, and milling and overlay along the Pedestrian Path to eliminate low lying areas.

Tamarack Ave is a residential roadway running approximately north and south with two-way traffic, parking lanes on either side, and curb and gutter. Properties west of Tamarack Ave consist of two story brick row homes. Properties east of Tamarack Ave consist of one- to one and a half-story masonry single family homes and two-story brick duplexes. In the vicinity of the project site, the existing Tamarack Ave roadway is asphalt paved and approximately 30 feet wide with two-way traffic and parking lanes on either side. The roadway has a curb and gutter on either side throughout the project limits. The roadway runs approximately north-south. Throughout most of the project limits, the existing pavement surface have *low to moderate severity transverse cracks, longitudinal cracks, block cracks, and fatigue cracking* predominately within the wheel paths and along the edges of the pavement in the parking lanes. At the south end of Tamarack Ave, from M St to the Pedestrian Path, there is severe *fatigue cracking and large areas of rutting/depressions*.

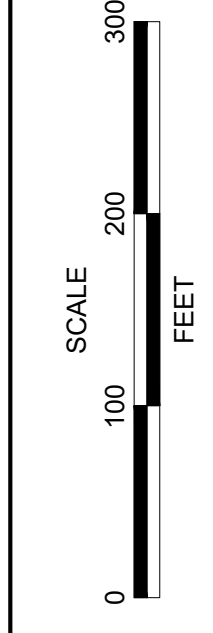
The Patricia M. Belvin Pedestrian Path runs approximately east-west throughout the project limits, the ground surface is relatively level to gently undulating with maintained grassy areas on either side of the path. Immediately south of the path, within the path's right-of-way, there are high voltage powerlines on steel truss towers founded on concrete slabs that are about 6-feet square. South of the powerlines there is a chain link fence and a rail yard. An unnamed stream or drainage ditch exists to the north of the path. There are high voltage powerlines on steel monopoles immediately north of the drainage ditch as well as the rear end of properties along Dover Ave. In the vicinity of the project site, the existing approximately 10-foot wide Pedestrian Path is asphalt paved and runs approximately east-west. The pedestrian path remains in relatively good condition.

The scope and general notes of the project can be found in the contrition drawings.

All proposals shall ensure the inclusion of the following:



INDEX OF SHEETS	
SHEET DESCRIPTION	SHEET NO(S)
TITLE	1
INDEX OF SHEETS	2
LEGEND	3
TYPICAL SECTION DETAILS	4
CONSTRUCTION PLANS	5-7
CONSTRUCTION DETAILS	8-15
EROSION & SEDIMENT CONTROL VEGETATION DETAILS	16
MOT PLANS	17



ADDENDA / REVISIONS

PATRICIA M. BELVIN PEDESTRIAN PATH OFF
TAMARACK AVE DRAINAGE IMPROVEMENTS

CONTRACT	BRIDGE NO.	N/A
TXXXXXXX	DESIGNED BY:	EA
COUNTY	CHECKED BY:	D&S
NEW CASTLE		

INDEX OF SHEETS

SECTION	IS
	SHEET NO.
	2

KCI
TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
936 RIDGEBROOK ROAD
SPARKS, MARYLAND
21152
(410) 316-7800

LEGEND

EXISTING CONTOURS	---30---
RIGHT-OF-WAY	--- --
PROPERTY LINES	--- --
EASEMENT LINES	--- --
EXISTING TREE	⊙
EXISTING STORM DRAIN	---SD---
EXISTING STORM DRAIN INLET	□
EXISTING STORM DRAIN MANHOLE	⊙
SANITARY SEWER LINE	---S---S---
EXISTING SEWER MANHOLE	⊙
EXISTING METAL FENCE	—X—
EXISTING WOOD FENCE	—○—

LEGEND

LIMIT OF DISTURBANCE	— LOD — LOD —
100-YEAR FLOODPLAIN	— 100yr —
SOILS BOUNDARY	AbC DeF □
STEEP SLOPES $\geq 15\%$	■
EASEMENT TO BE ACQUIRED	▨
ERODIBLE SOILS WITH K FACTOR GREATER THAN 0.35	▨
PROPOSED CONTOUR	— 30 —
PROPOSED PIPE	— — — — —
DRAINAGE INLET	⊙I
MANHOLE	⊙MH
STORM DRAIN PIPE	⊙P
OVERLAY PAVEMENT	■
FULL DEPTH PAVEMENT	■
PARTIAL DEPTH PATCH	■
CURB AND GUTTER	— — — — —

LEGEND

OVERHEAD ELECTRICAL LINE	—E—
UTILITY POLE	⊙
LIGHT POLE	⊙
GUY WIRE	—G—
EXISTING WATER LINE	—W—
EXISTING WATER METER / VALVE	⊙⊙
EXISTING FIRE HYDRANT	⊙
EXISTING GAS LINE	—G—
EXISTING GAS VALVE	⊙
EXISTING TELEPHONE LINE	—T—
EXISTING TELEPHONE BOX	⊙
EXISTING LIGHT POLE	⊙
EXISTING SIGN	—S—
EXISTING MAIL BOX	MB ■

ADDENDA / REVISIONS

NOT TO SCALE

PATRICIA M. BELVIN PEDESTRIAN PATH OFF
TAMARACK AVE DRAINAGE IMPROVEMENTS

CONTRACT
TXXXXXXX
COUNTY
NEW CASTLE

BRIDGE NO.
N/A
DESIGNED BY:
EA
CHECKED BY:
DAS

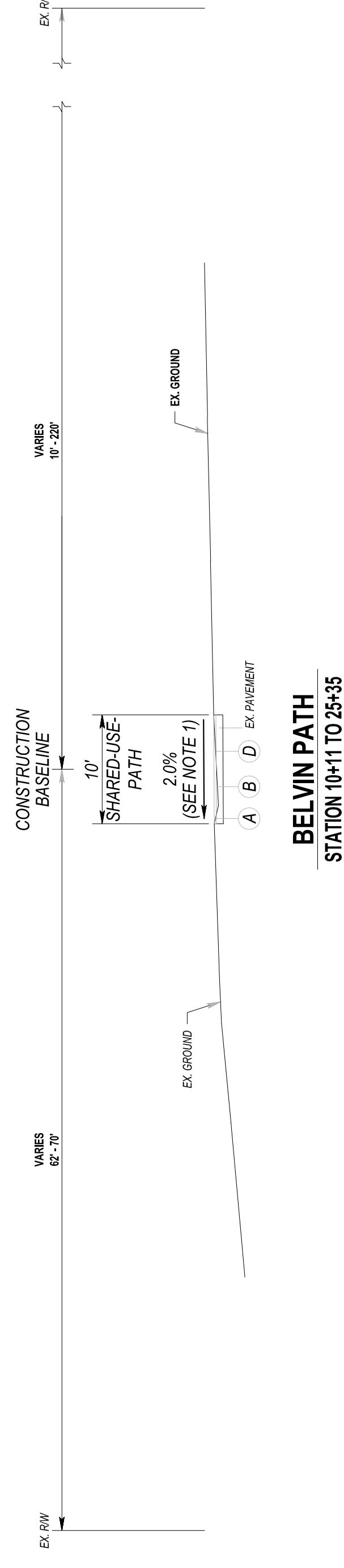
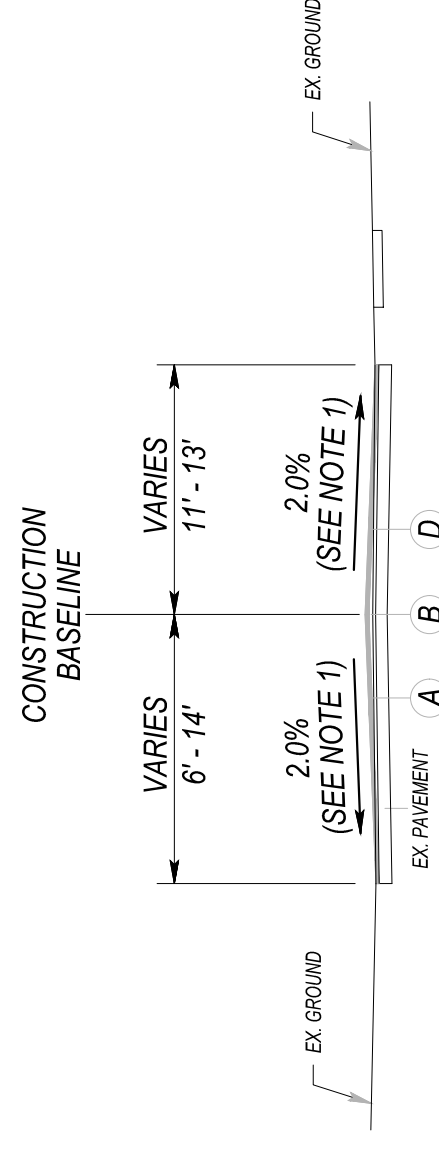
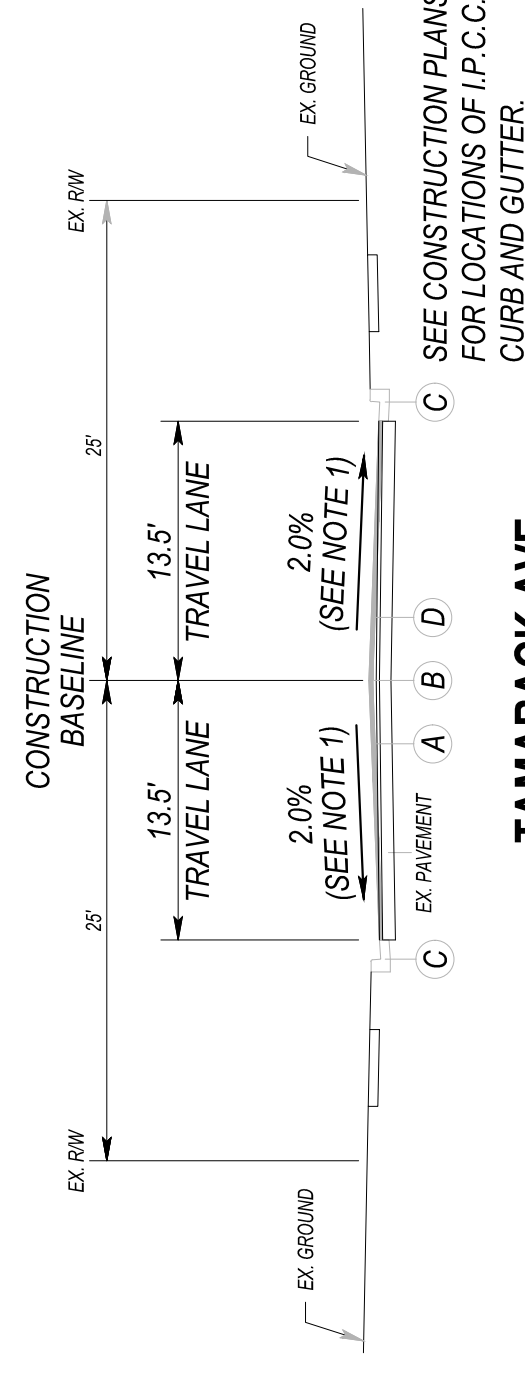
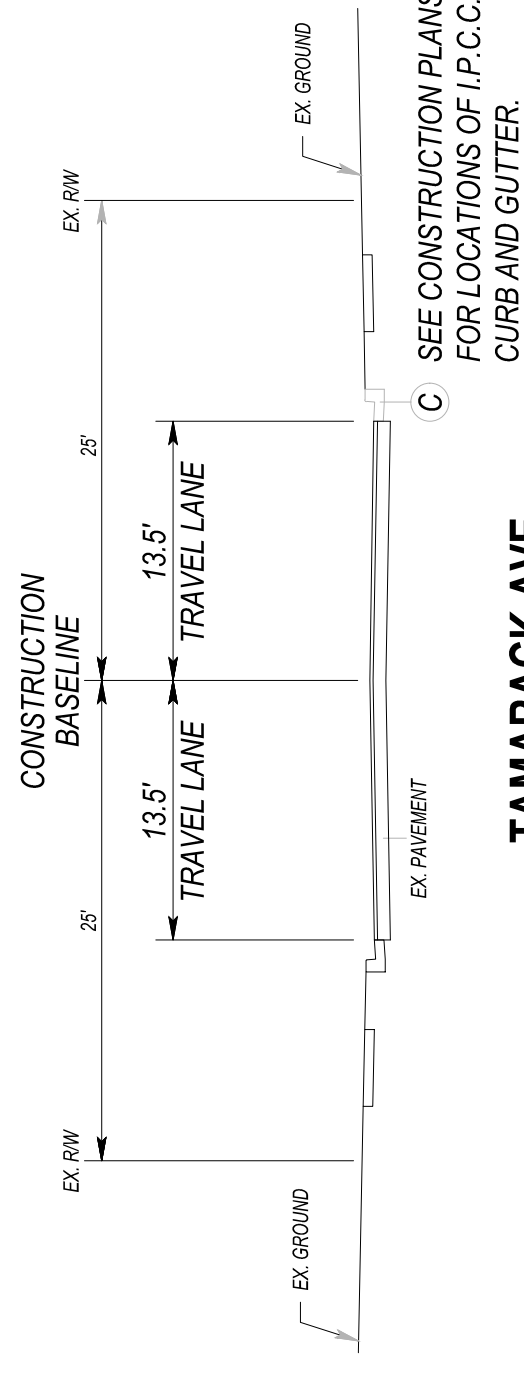
LEGEND SHEET

SECTION
L
SHEET NO.
3

NOTES

1. CONTRACTOR TO USE WEDGE AND LEVEL AS NEEDED TO ESTABLISH POSITIVE DRAINAGE WITHIN LIMITS OF MILL AND OVERLAY.
2. REFER TO "CONSTRUCTION DETAILS" SHEET 7 FOR PERMANENT CROSS-ROAD PATCH OVER PIPE TRENCH DETAIL. SEE "CONSTRUCTION PLANS" FOR PROPOSED DRAINAGE PIPE LOCATIONS.
3. REFER TO "CONSTRUCTION DETAILS" SHEET 7 FOR PARTIAL-DEPTH PATCH DETAIL AS NEEDED WITHIN THE PROJECT LIMITS.

LEGEND	
A	ITEM 401005 - SUPERPAVE TYPE C, 9.5mm, PG 64-22 (CARBONATE STONE)
B	ITEM 401036 - SUPERPAVE TYPE C, 9.5mm, PG 64-22, WEDGE
C	ITEM 701023 - INTEGRAL PCC CURB AND GUTTER, TYPE 3-8
D	ITEM 760010 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT



ADDENDA / REVISIONS

NOT TO SCALE

PATRICIA M. BELVIN PEDESTRIAN PATH OFF
TAMARACK AVE DRAINAGE IMPROVEMENTS

CONTRACT	TXXXXXXX
COUNTY	NEW CASTLE

BRIDGE NO.	N/A
DESIGNED BY:	EA
CHECKED BY:	DAS

TYPICAL SECTION SHEET

SECTION	TS
SHEET NO.	4

DRAINAGE PIPE SCHEDULE				
NO.	SIZE / TYPE	CLASS	LENGTH	DIS. EL.
1	15" RCP	III	3	72.20
2	18" RCP	III	31	71.47
3	18" RCP	III	5	70.91
4	15" RCP	III	6	70.20
5	15" RCP	III	102	69.95
6	18" RCP	III	18	69.77
7	24"x38" ELLIPT. RCP	III	7	69.95
8	18" RCP	III	9	69.77
9	24"x38" ELLIPT. RCP	III	34	68.86
10	29"x45" ELLIPT. RCP	III	33	68.77
11	18" RCP	III	9	69.83

CLEAN DRAINAGE PIPE		
NO.	DIAMETER	LENGTH
1	24"	34'
2	24"	187'
3	12"	9'
4	24"	29'
5	24"	42'
6	24" / 15" x 30"	124'
7	15" x 30"	37'
8	15" x 30" / 15" x 24"	243'
9	15" x 24"	35'
10	15"	73'

- NOTES:
- ALL INLETS SHALL MATCH EXISTING CURB FLOWLINE OFFSET.
 - ALL INLETS SHALL MATCH EXISTING CURB FLOWLINE ELEVATIONS.
 - STATION AND ELEVATION DATA GIVEN FOR DRAINAGE STRUCTURES ARE TO BE APPLIED TO THE CENTER OF THE GRATE FOR INLETS AND TO THE CENTER OF THE STRUCTURE FOR JUNCTION BOXES AND MANHOLES.
 - ALL NEW CURB SHALL MAINTAIN EXISTING GRADE AND MAINTAIN POSITIVE DRAINAGE.
 - IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 2 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE TRANSITIONED CURB WORK SHALL BE MEASURED AND PAID FOR UNDER THE PROPOSED CURB ITEM. SAW CUTTING OF THE EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.
 - ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.
 - ALL EXISTING STORM DRAIN STRUCTURES, SEWER MANHOLES, WATER/GAS VALVE BOXES, VAULTS, ETC. SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET THE FINISHED GRADE ELEVATION, THIS WORK SHALL BE INCIDENTAL TO THE PAVING.

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS

SCALE 0 30 60 90 FEET

ADDENDA / REVISIONS

CONSTRUCTION PLANS

SECTION CP

SHEET NO. 5

BRIDGE NO. N/A

DESIGNED BY: EA

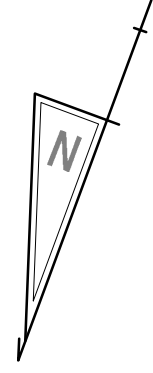
CHECKED BY: DAS

COUNTY NEW CASTLE

TAXXXXXXXXX

CONTRACT

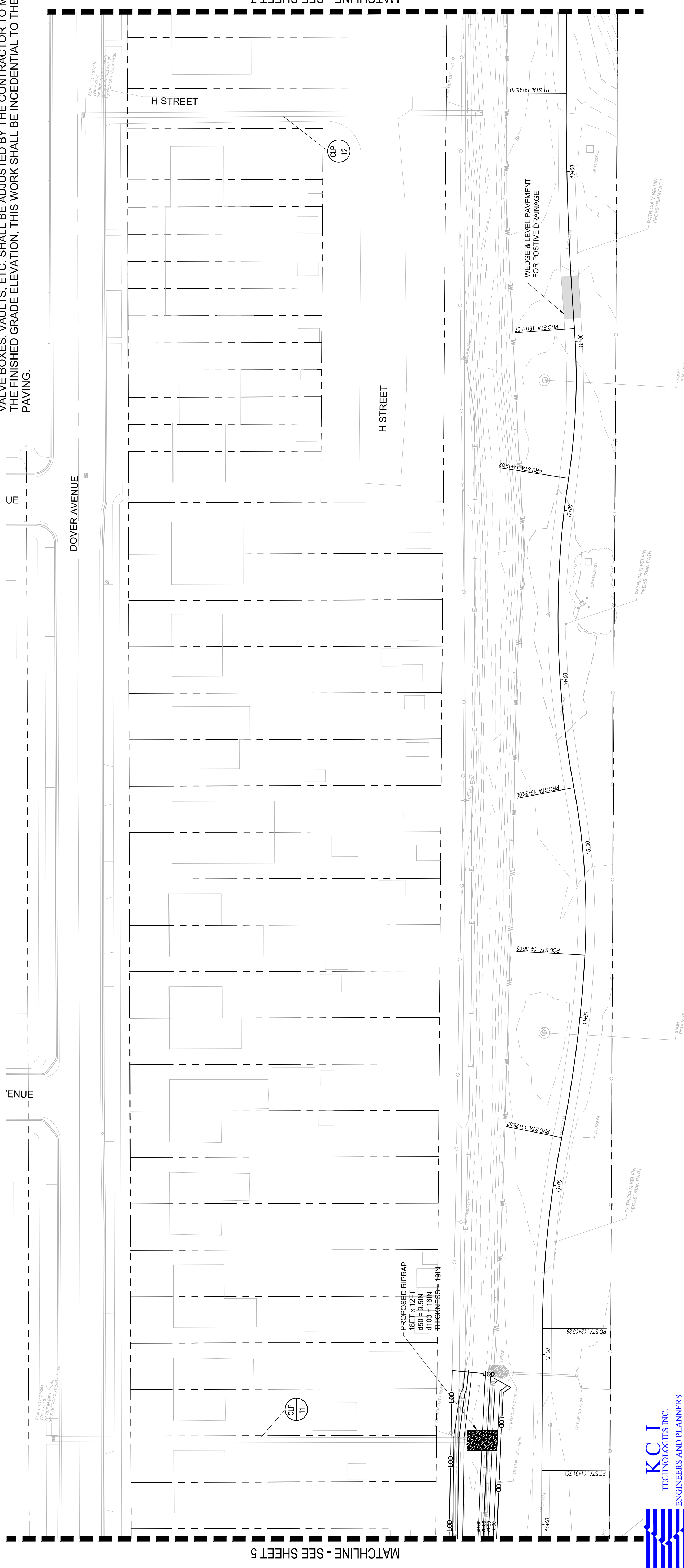
PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS



CLEAN DRAINAGE PIPE		
NO.	DIAMETER	LENGTH
11	24x36"	244'
12	36"	236'

NOTES:

1. ALL INLETS SHALL MATCH EXISTING CURB FLOWLINE OFFSET.
2. ALL INLETS SHALL MATCH EXISTING CURB FLOWLINE ELEVATIONS.
3. STATION AND ELEVATION DATA GIVEN FOR DRAINAGE STRUCTURES ARE TO BE APPLIED TO THE CENTER OF THE GRATE FOR INLETS AND TO THE CENTER OF THE STRUCTURE FOR JUNCTION BOXES AND MANHOLES.
4. ALL NEW CURB SHALL MAINTAIN EXISTING GRADE AND MAINTAIN POSITIVE DRAINAGE.
5. IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE TRANSITIONED CURB WORK SHALL BE MEASURED AND PAID FOR UNDER THE PROPOSED CURB ITEM. SAW CUTTING OF THE EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.
6. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.
7. ALL EXISTING STORM DRAIN STRUCTURES, SEWER MANHOLES, WATER/GAS VALVE BOXES, VAULTS, ETC. SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET THE FINISHED GRADE ELEVATION, THIS WORK SHALL BE INCIDENTAL TO THE PAVING.



MATCHLINE - SEE SHEET 5

MATCHLINE - SEE SHEET 7

KCI TECHNOLOGIES INC.
 ENGINEERS AND PLANNERS
 936 RIDGEBROOK ROAD
 SPARKS, MARYLAND
 21152
 (410) 316-7800

ADDENDA / REVISIONS

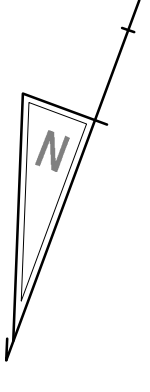


PATRICIA M. BELVIN PEDESTRIAN PATH OFF
 TAMARACK AVE DRAINAGE IMPROVEMENTS

CONTRACT	BRIDGE NO.	N/A
TXXXXXXX	DESIGNED BY:	EA
COUNTY	CHECKED BY:	DAS
NEW CASTLE		

CONSTRUCTION PLANS

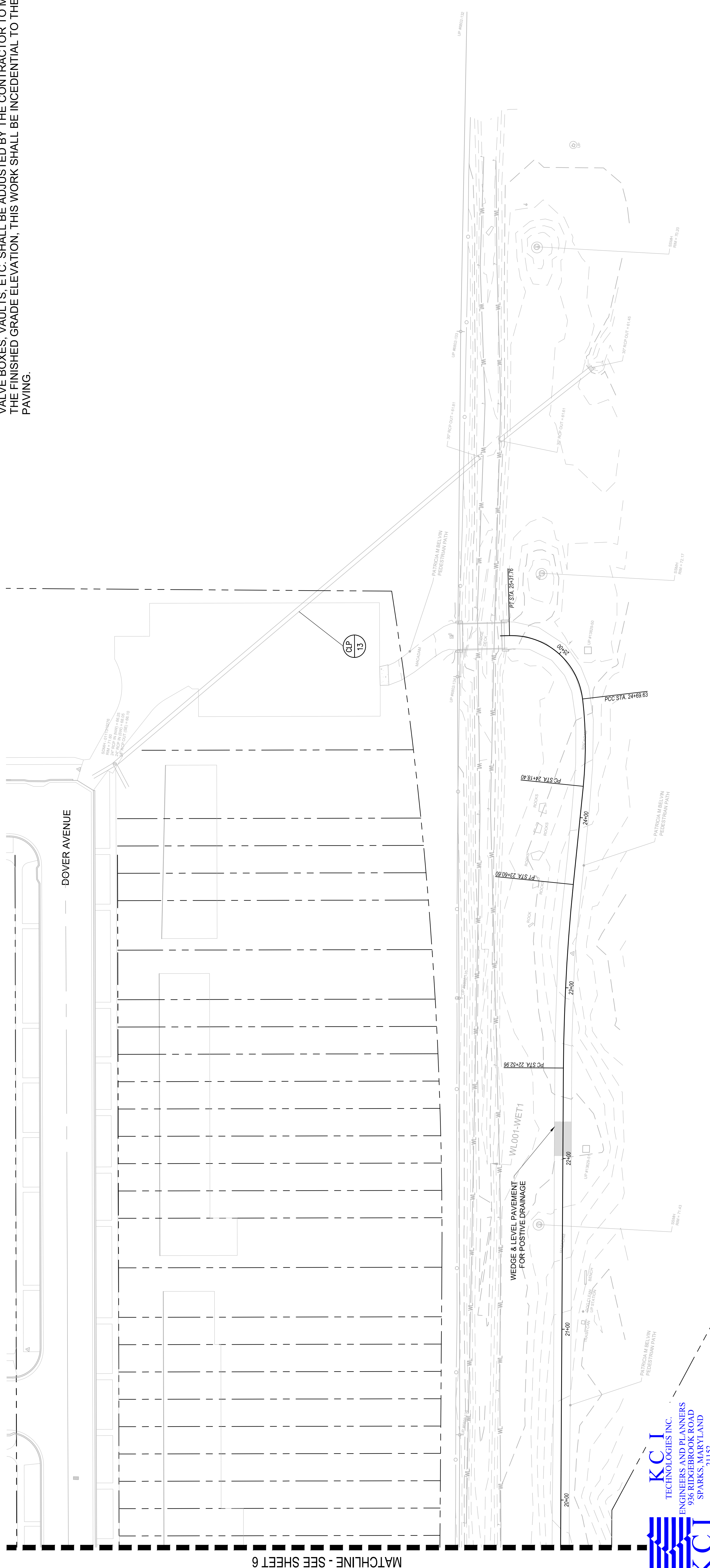
SECTION	CP
SHEET NO.	6



CLEAN DRAINAGE PIPE		
NO.	DIAMETER	LENGTH
13	24" / 56"	280'

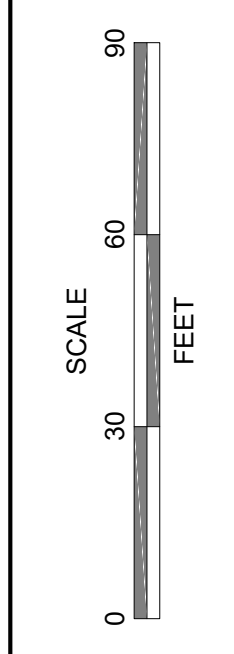
NOTES:

1. ALL INLETS SHALL MATCH EXISTING CURB FLOWLINE OFFSET.
2. ALL INLETS SHALL MATCH EXISTING CURB FLOWLINE ELEVATIONS.
3. STATION AND ELEVATION DATA GIVEN FOR DRAINAGE STRUCTURES ARE TO BE APPLIED TO THE CENTER OF THE GRATE FOR INLETS AND TO THE CENTER OF THE STRUCTURE FOR JUNCTION BOXES AND MANHOLES.
4. ALL NEW CURB SHALL MAINTAIN EXISTING GRADE AND MAINTAIN POSITIVE DRAINAGE.
5. IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE TRANSITIONED CURB WORK SHALL BE MEASURED AND PAID FOR UNDER THE PROPOSED CURB ITEM. SAW CUTTING OF THE EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.
6. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.
7. ALL EXISTING STORM DRAIN STRUCTURES, SEWER MANHOLES, WATER/GAS VALVE BOXES, VAULTS, ETC. SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET THE FINISHED GRADE ELEVATION, THIS WORK SHALL BE INCIDENTAL TO THE PAVING.



MATCHLINE - SEE SHEET 6

KCI TECHNOLOGIES
 ENGINEERS AND PLANNERS
 936 RIDGEBROOK ROAD
 SPARKS, MARYLAND 21152
 (410) 316-7800

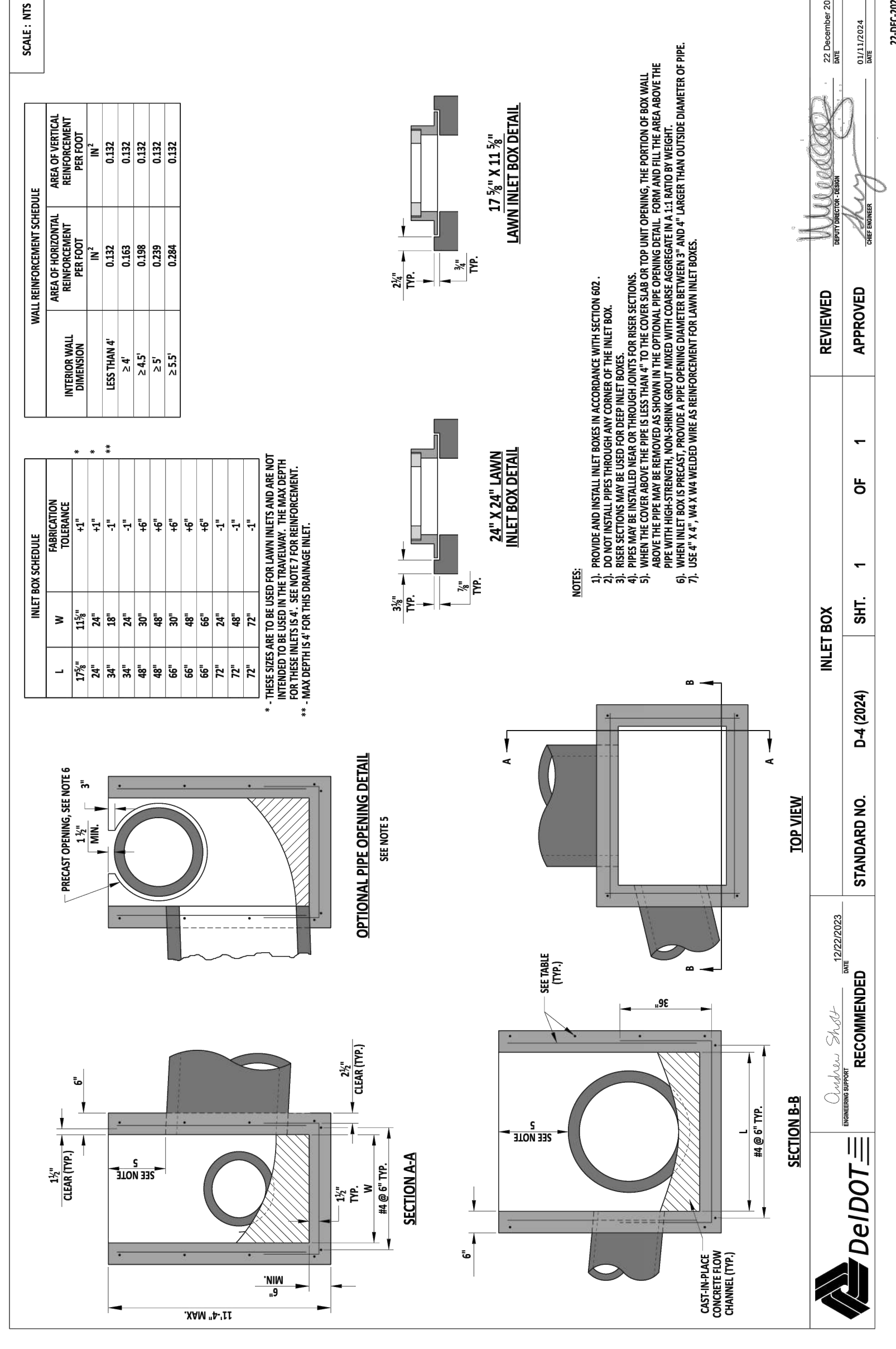


PATRICIA M. BELVIN PEDESTRIAN PATH - OFF
 TAMARACK AVE DRAINAGE IMPROVEMENTS

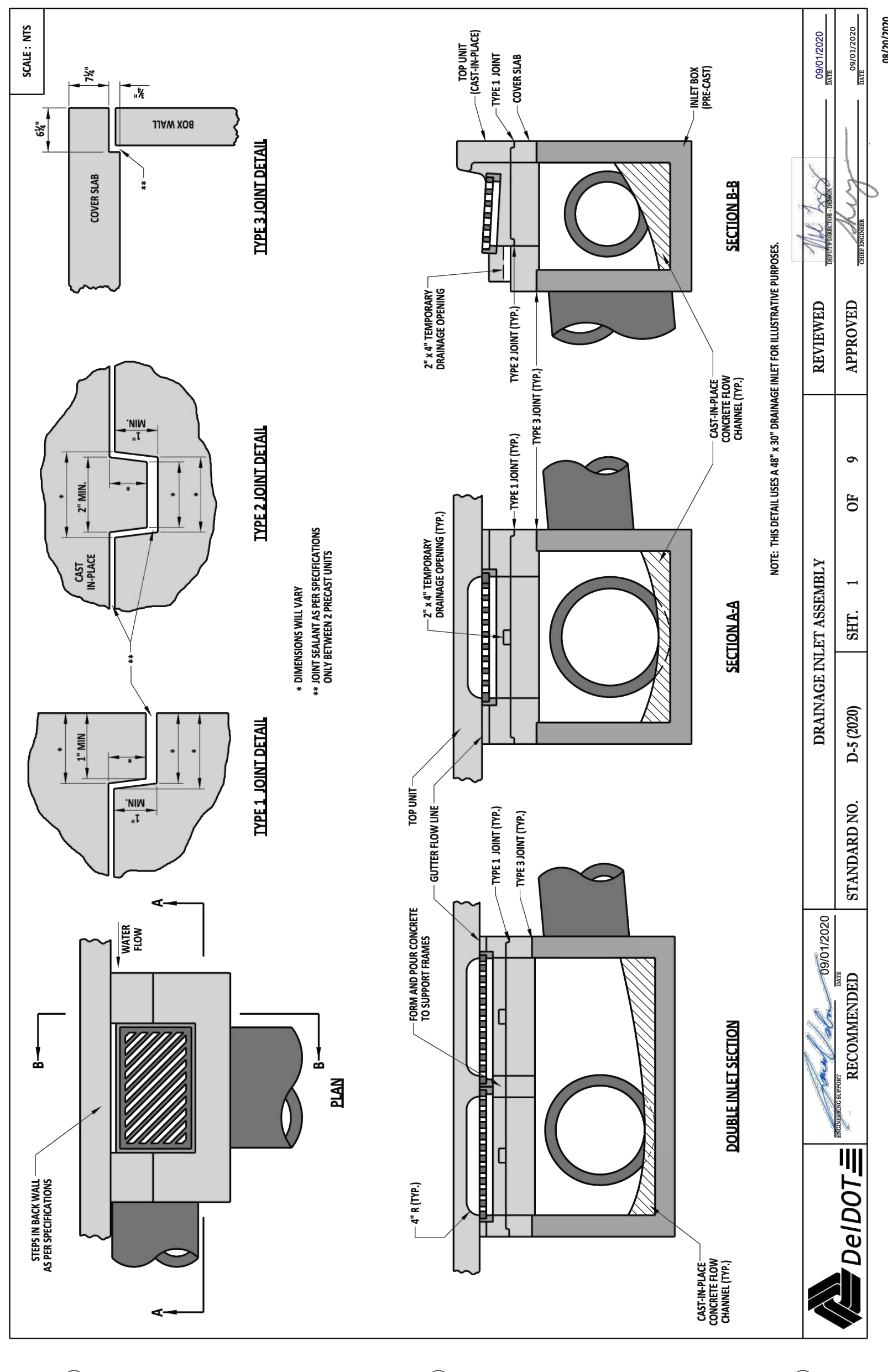
CONTRACT	BRIDGE NO.	N/A
TXXXXXXX	DESIGNED BY:	EA
COUNTY	CHECKED BY:	DAS
NEW CASTLE		

SECTION	CONSTRUCTION PLANS
CP	
SHEET NO.	7

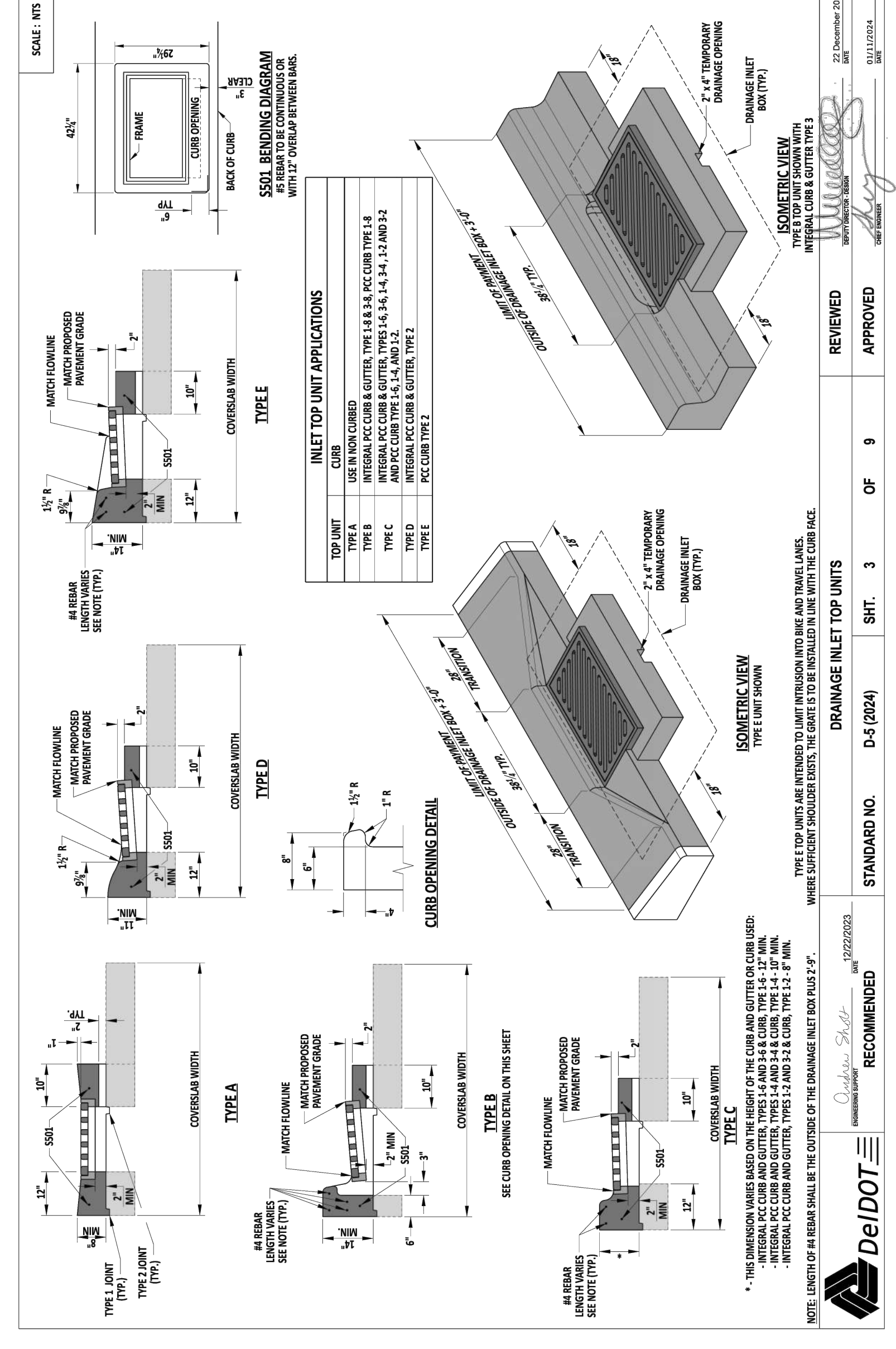
ADDENDA / REVISIONS



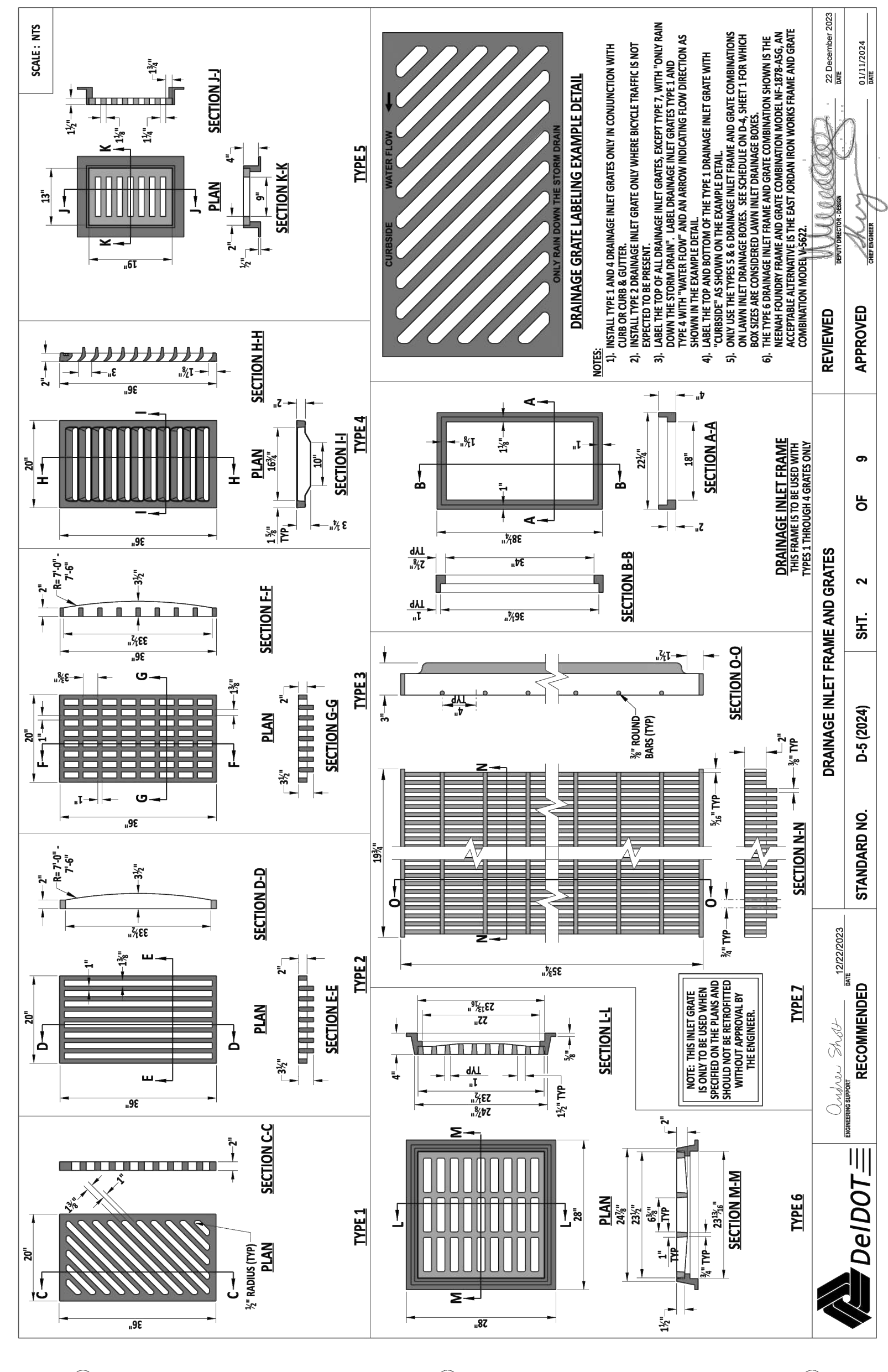
RECOMMENDED	STANDARD NO. D-4 (2024)	SHT. 1 OF 1	REVIEWED	APPROVED
DeIDOT				



RECOMMENDED	STANDARD NO. D-5 (2020)	SHT. 1 OF 9	REVIEWED	APPROVED
DeIDOT				

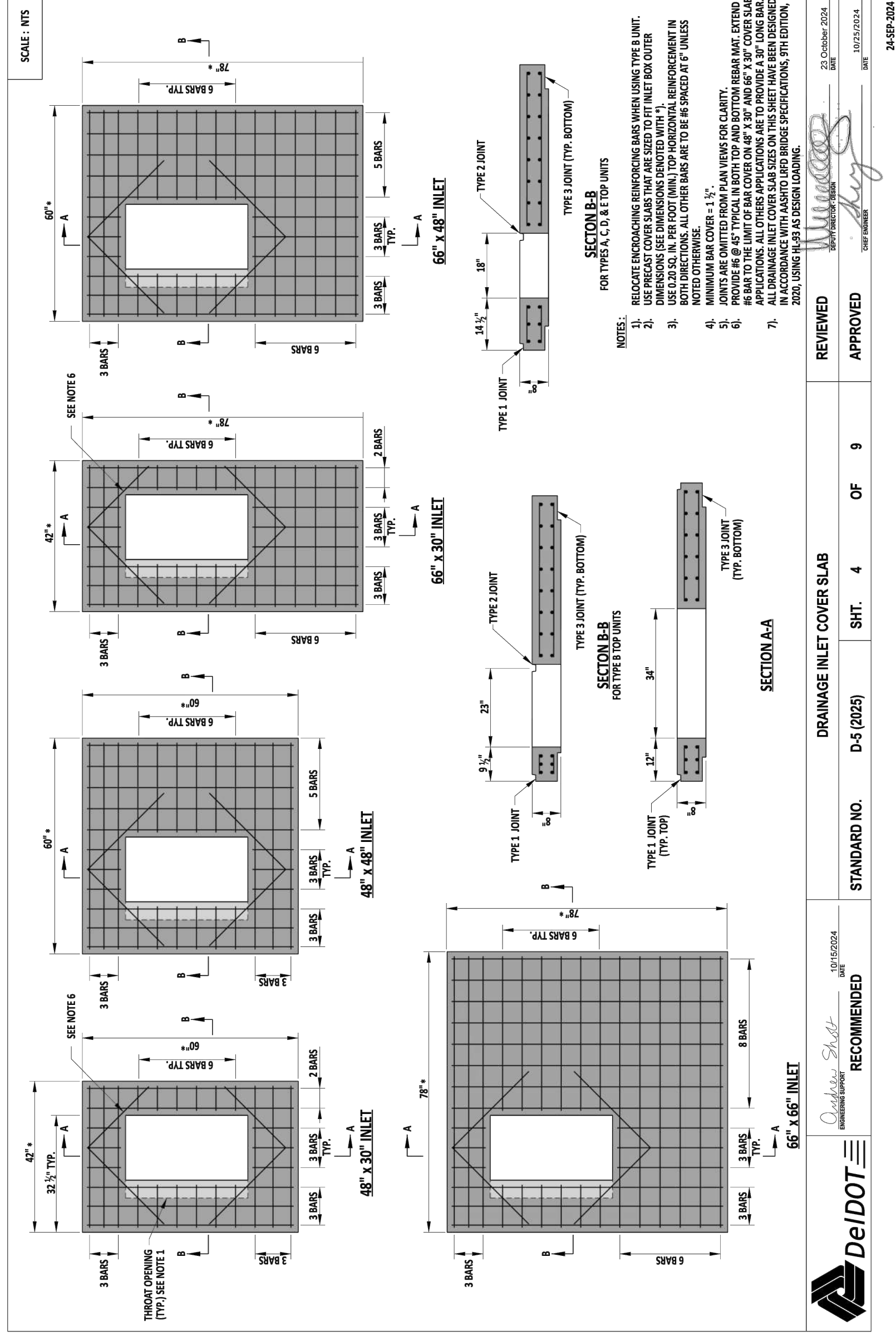


RECOMMENDED	STANDARD NO. D-5 (2024)	SHT. 3 OF 9	REVIEWED	APPROVED
DeIDOT				

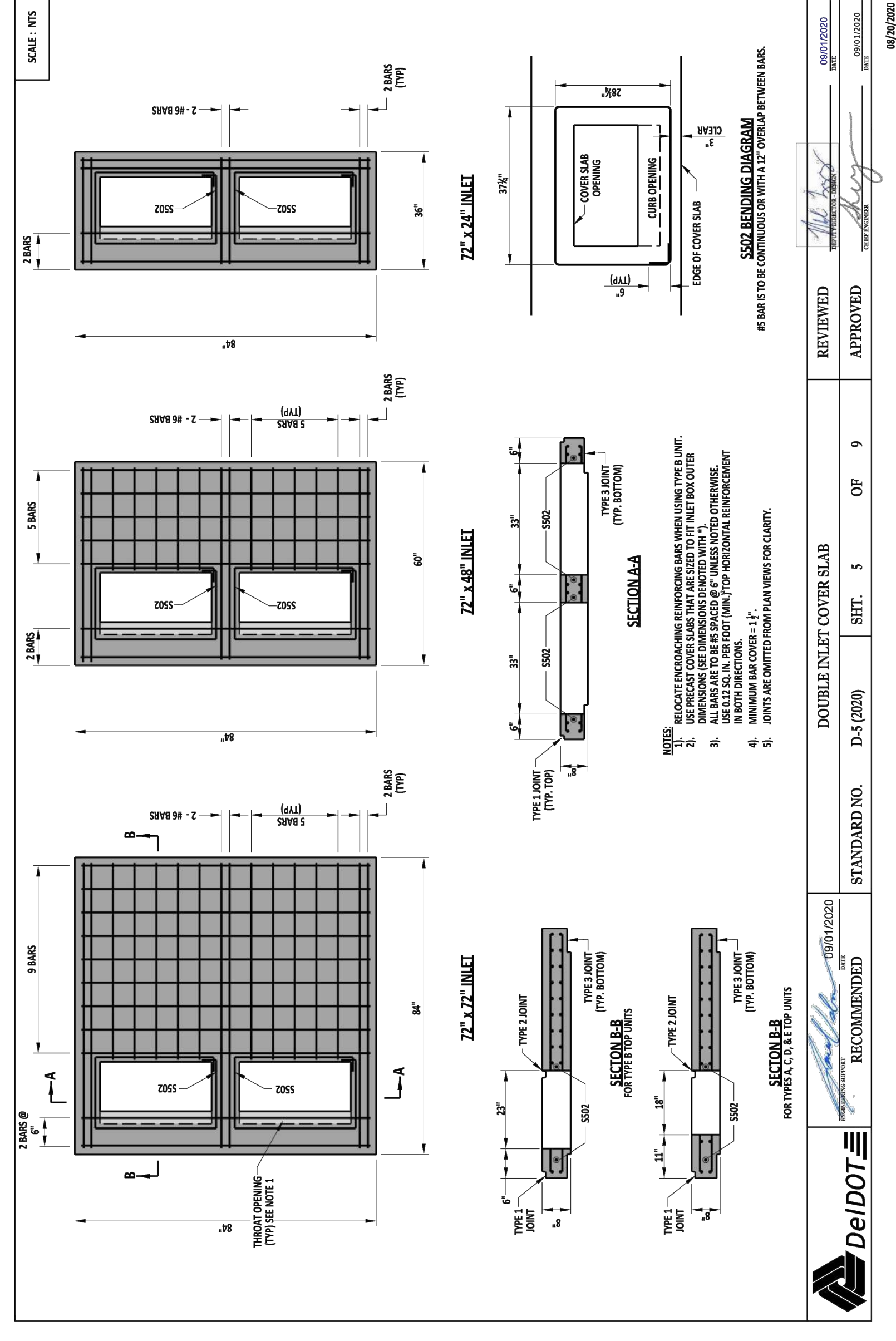


RECOMMENDED	STANDARD NO. D-5 (2024)	SHT. 2 OF 9	REVIEWED	APPROVED
DeIDOT				

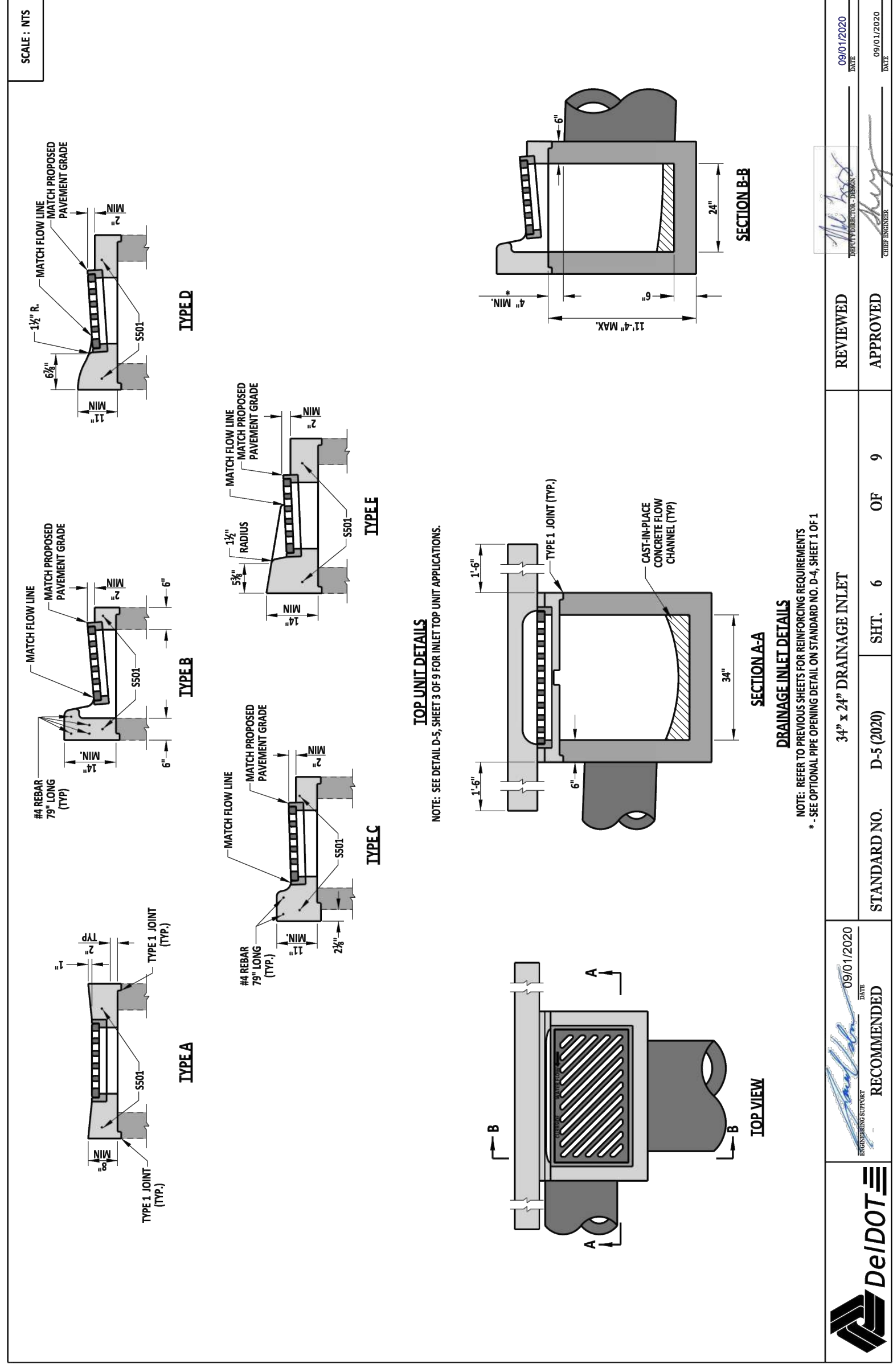
KCI TECHNOLOGIES INC.
 ENGINEERS AND PLANNERS
 956 RIDGEBROOK ROAD
 SPARKS, MARYLAND
 21152
 (410) 316-7800



	RECOMMENDED	05/01/2020	REVIEWED	05/01/2020	
STANDARD NO.	D-5 (2025)	SHT.	4	OF	9
DRAINAGE INLET COVER SLAB					
STANDARD NO.	D-5 (2020)	SHT.	5	OF	9
DOUBLE INLET COVER SLAB					
RECOMMENDED	05/01/2020	REVIEWED	05/01/2020		
DATE	05/01/2020	DATE	05/01/2020		
BY	05/01/2020	BY	05/01/2020		



	RECOMMENDED	05/01/2020	REVIEWED	05/01/2020	
STANDARD NO.	D-5 (2025)	SHT.	4	OF	9
DRAINAGE INLET COVER SLAB					
STANDARD NO.	D-5 (2020)	SHT.	5	OF	9
DOUBLE INLET COVER SLAB					
RECOMMENDED	05/01/2020	REVIEWED	05/01/2020		
DATE	05/01/2020	DATE	05/01/2020		
BY	05/01/2020	BY	05/01/2020		



	RECOMMENDED	05/01/2020	REVIEWED	05/01/2020	
STANDARD NO.	D-5 (2020)	SHT.	6	OF	9
34" x 24" DRAINAGE INLET					
STANDARD NO.	D-5 (2020)	SHT.	6	OF	9
DRAINAGE INLET DETAILS					
RECOMMENDED	05/01/2020	REVIEWED	05/01/2020		
DATE	05/01/2020	DATE	05/01/2020		
BY	05/01/2020	BY	05/01/2020		

KCI

 TECHNOLOGIES INC.

 ENGINEERS AND PLANNERS

 956 RIDGEBROOK ROAD

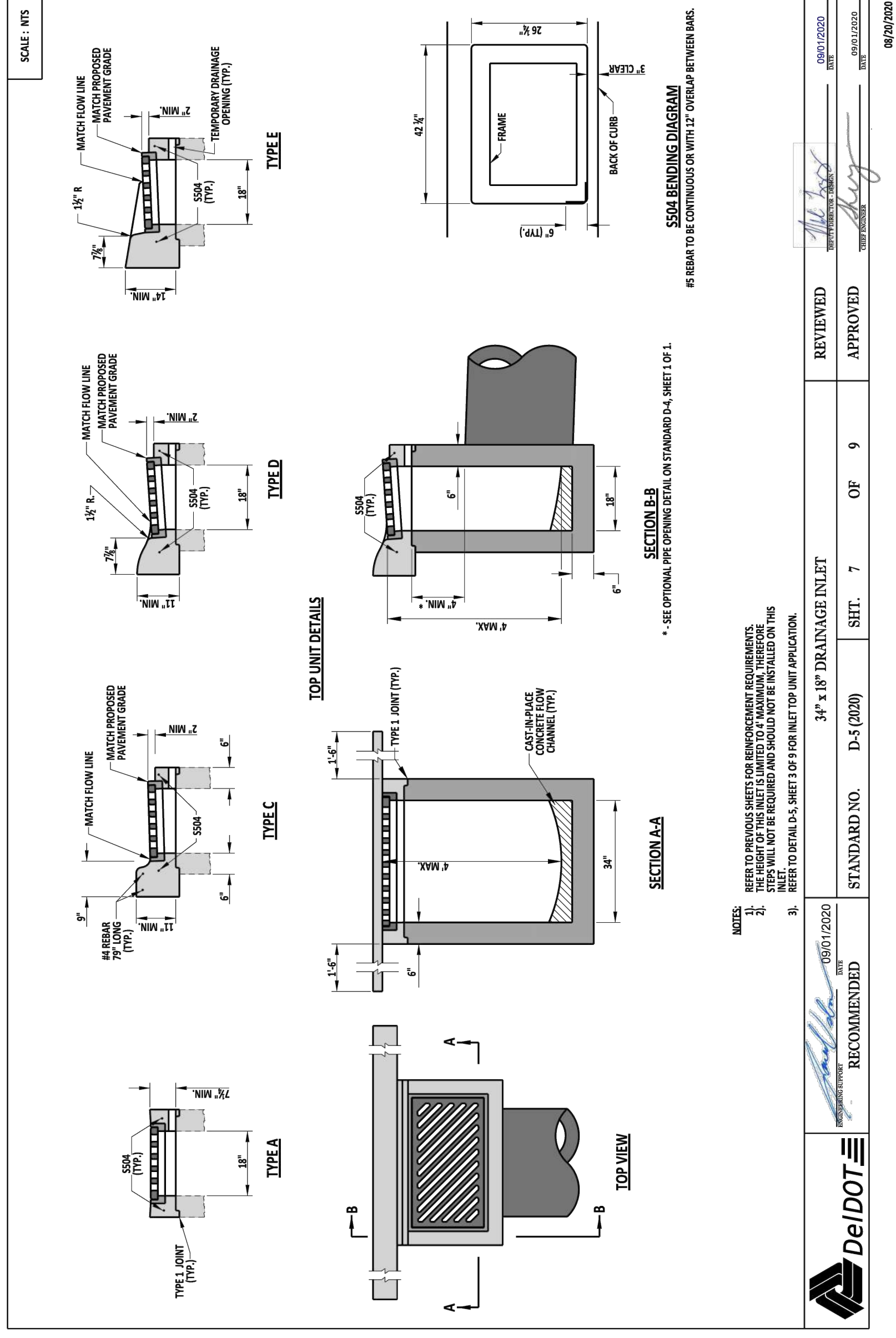
 SPARKS, MARYLAND

 21152

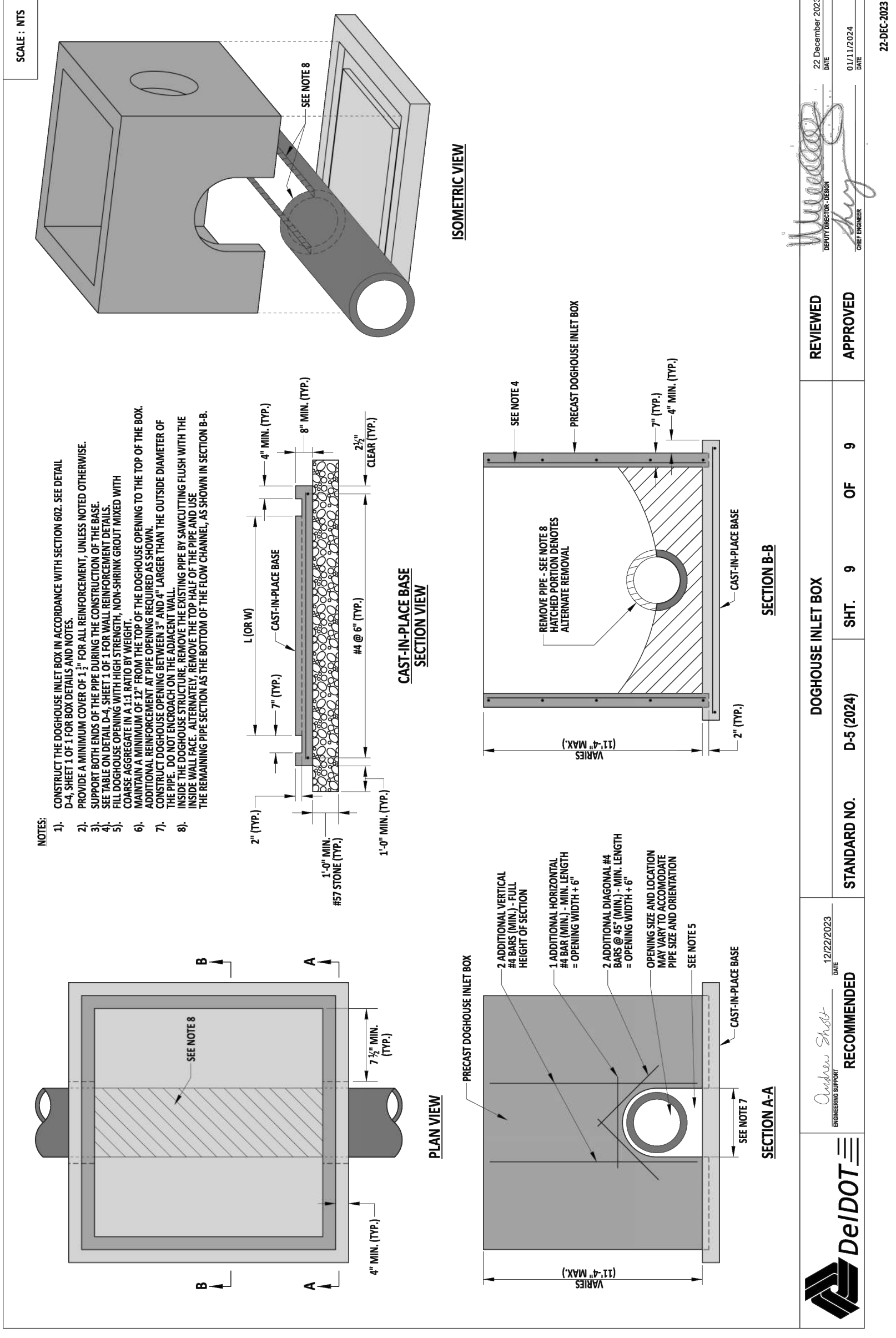
 (410) 316-7800

SECTION	CD	SHEET NO.	9
CONTRACT	TXXXXXXX	DESIGNED BY:	EA
BRIDGE NO.	N/A	CHECKED BY:	DAS
COUNTY	NEW CASTLE		
ADDENDA / REVISIONS			
NOT TO SCALE			
PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS			
CONSTRUCTION DETAILS			

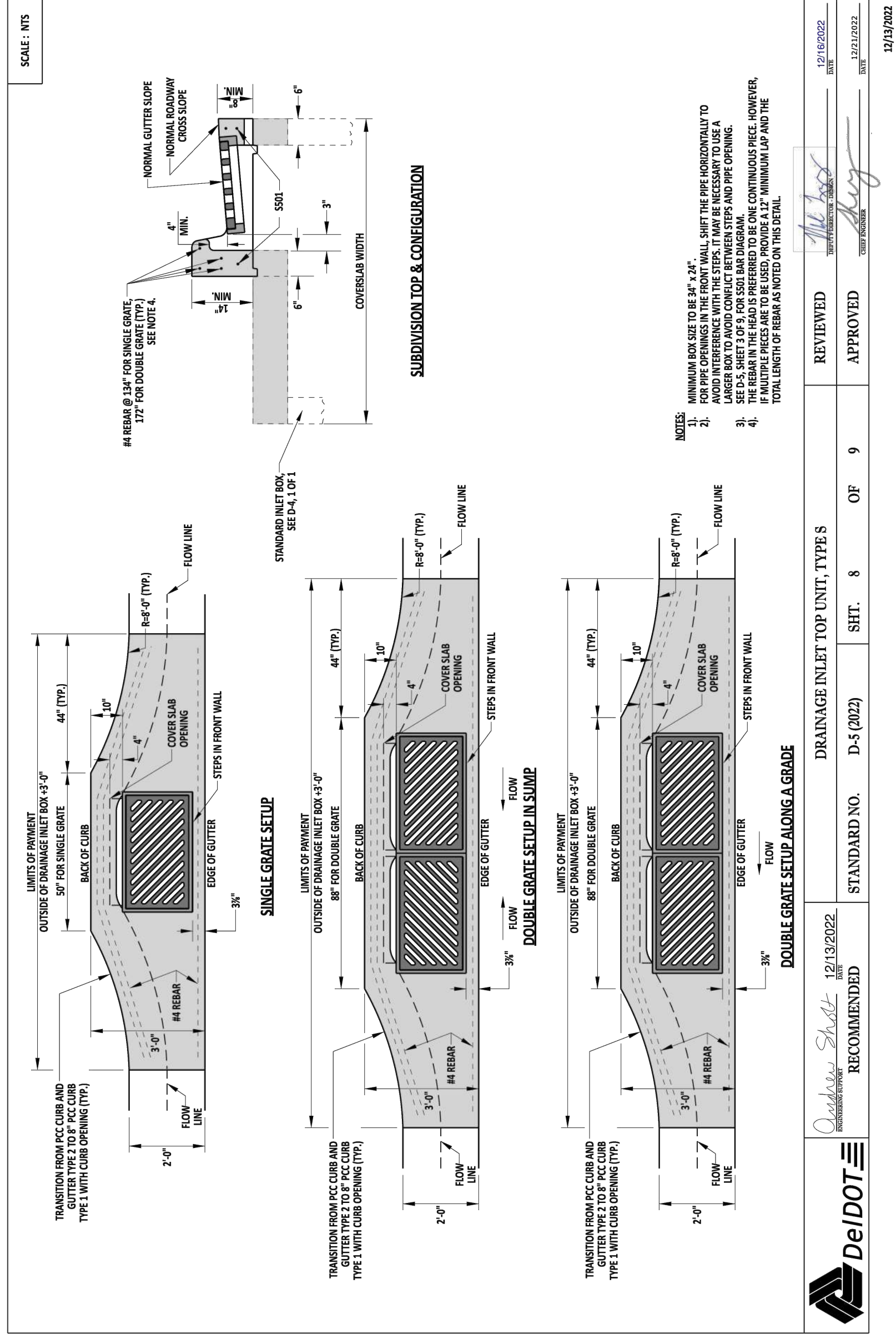
SECTION	CD	SHEET NO.	9
CONTRACT	TXXXXXXX	DESIGNED BY:	EA
BRIDGE NO.	N/A	CHECKED BY:	DAS
COUNTY	NEW CASTLE		
ADDENDA / REVISIONS			
NOT TO SCALE			
PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS			
CONSTRUCTION DETAILS			



De/IDOT	RECOMMENDED	DATE: 05/01/2020	REVIEWED	DATE: 05/01/2020
	APPROVED	DATE: 05/01/2020	APPROVED	DATE: 05/01/2020
STANDARD NO. D-5 (2020)		SHT. 7	OF 9	
34" x 18" DRAINAGE INLET				
RECOMMENDED		DATE: 12/13/2022	REVIEWED	DATE: 12/13/2022
APPROVED		DATE: 12/13/2022	APPROVED	DATE: 12/13/2022
STANDARD NO. D-5 (2024)		SHT. 9	OF 9	



De/IDOT	RECOMMENDED	DATE: 12/22/2023	REVIEWED	DATE: 12/22/2023
	APPROVED	DATE: 12/22/2023	APPROVED	DATE: 12/22/2023
STANDARD NO. D-5 (2024)		SHT. 9	OF 9	
DOGHOUSE INLET BOX				
RECOMMENDED		DATE: 12/22/2023	REVIEWED	DATE: 12/22/2023
APPROVED		DATE: 12/22/2023	APPROVED	DATE: 12/22/2023
STANDARD NO. D-5 (2024)		SHT. 9	OF 9	



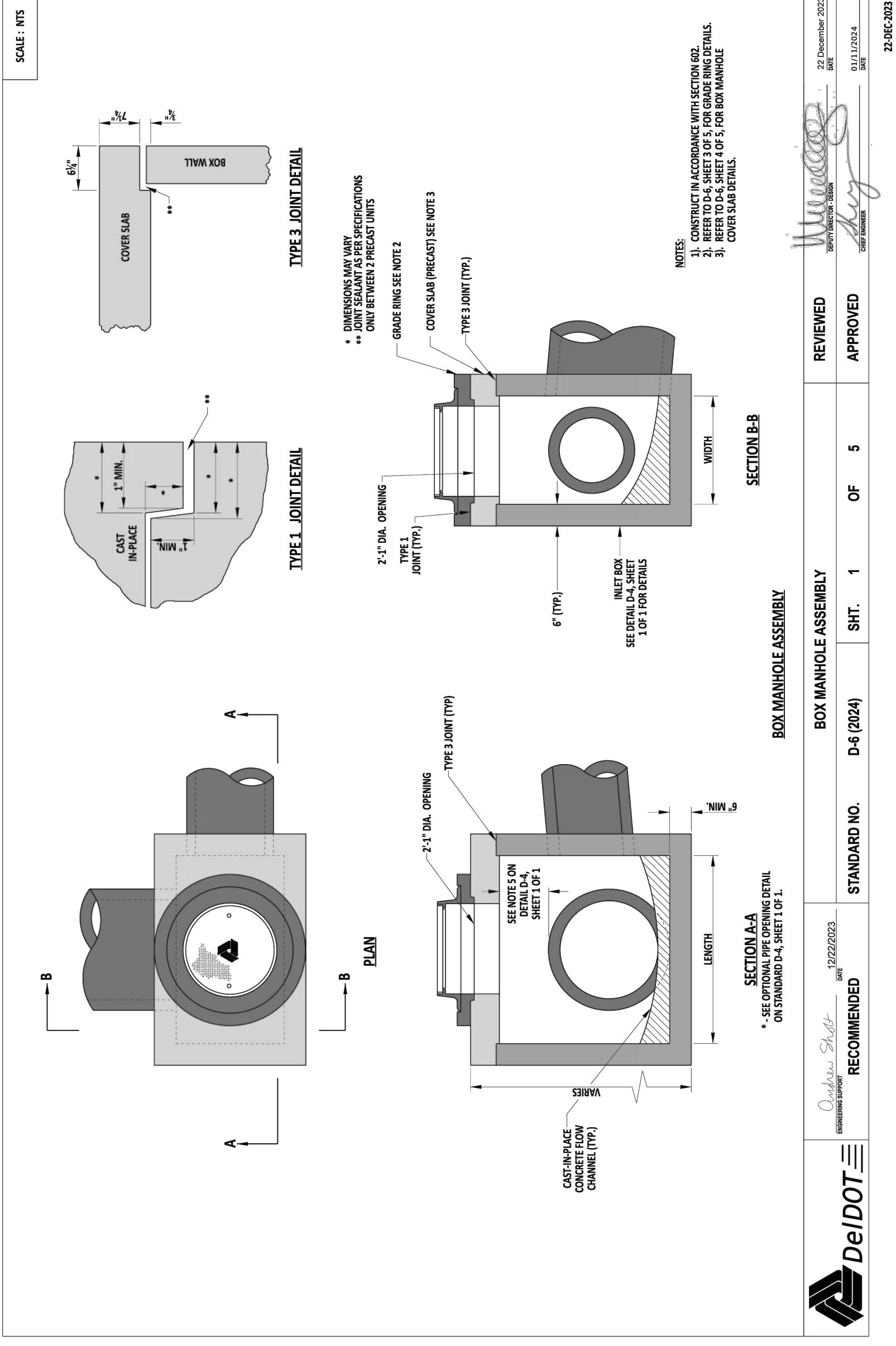
De/IDOT	RECOMMENDED	DATE: 12/13/2022	REVIEWED	DATE: 12/13/2022
	APPROVED	DATE: 12/13/2022	APPROVED	DATE: 12/13/2022
STANDARD NO. D-5 (2022)		SHT. 8	OF 9	
DRAINAGE INLET TOP UNIT, TYPE 5				
RECOMMENDED		DATE: 12/13/2022	REVIEWED	DATE: 12/13/2022
APPROVED		DATE: 12/13/2022	APPROVED	DATE: 12/13/2022
STANDARD NO. D-5 (2022)		SHT. 8	OF 9	

KCI TECHNOLOGIES INC.
 ENGINEERS AND PLANNERS
 956 RIDGEBROOK ROAD
 SPARKS, MARYLAND
 21152
 (410) 316-7800

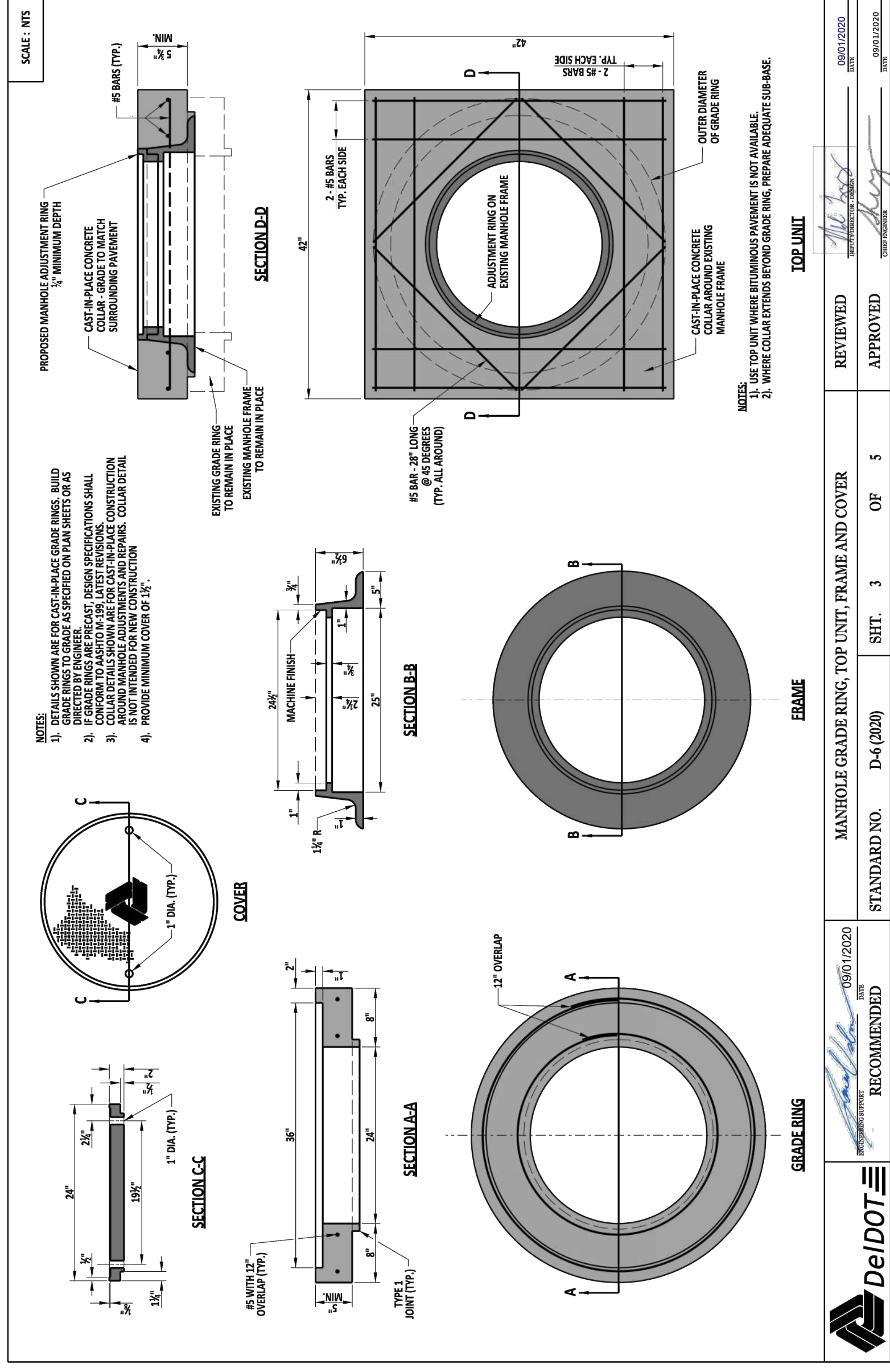
ADDENDA / REVISIONS	

NOT TO SCALE		
PATRICIA M. BELVIN PEDESTRIAN PATH - OFF TAMARACK AVE DRAINAGE IMPROVEMENTS		
CONTRACT	BRIDGE NO.	N/A
TXXXXXXX	DESIGNED BY:	EA
COUNTY	CHECKED BY:	DAS
NEW CASTLE		

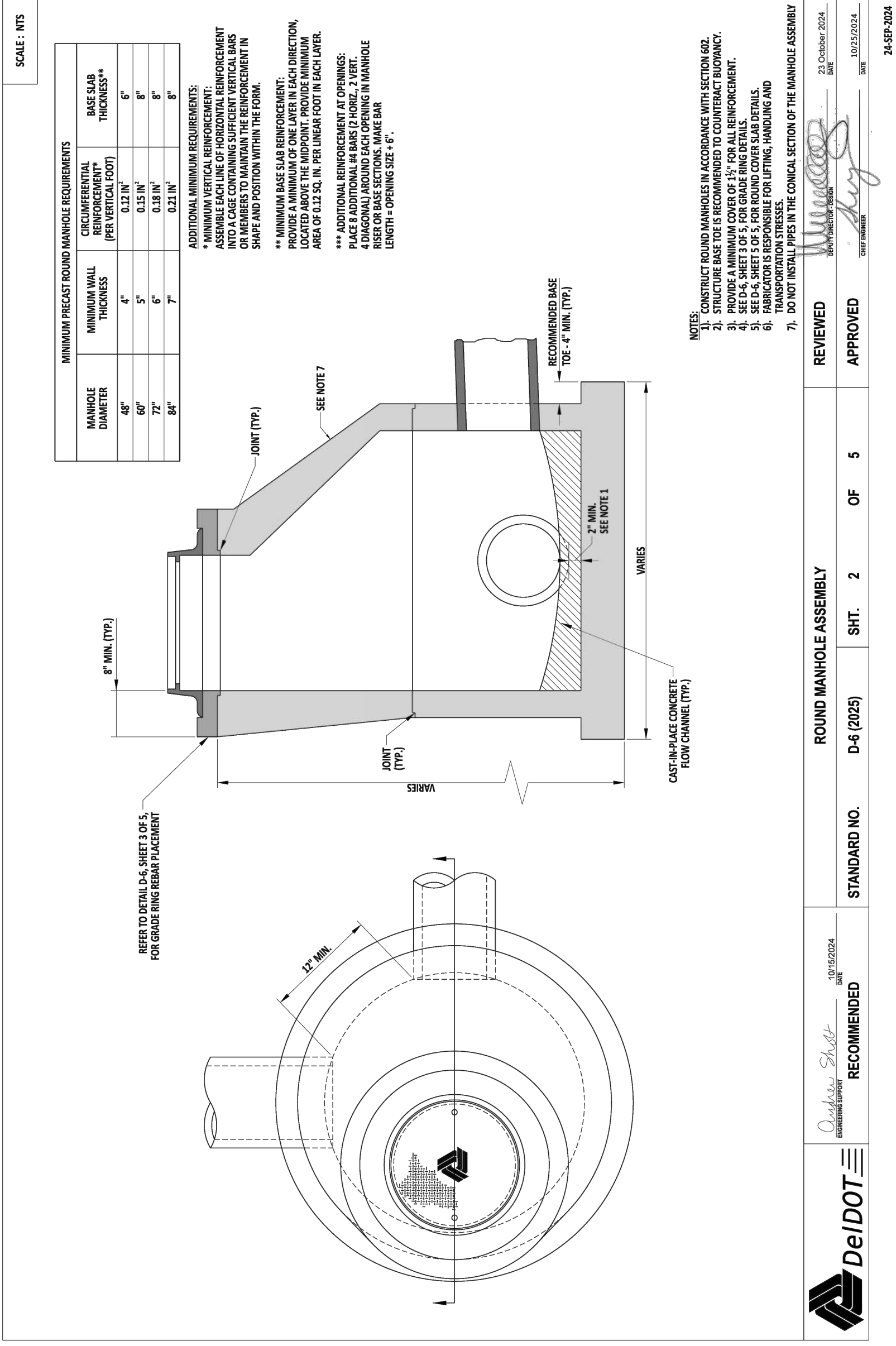
SECTION	CD
CONSTRUCTION DETAILS	
SHEET NO.	10



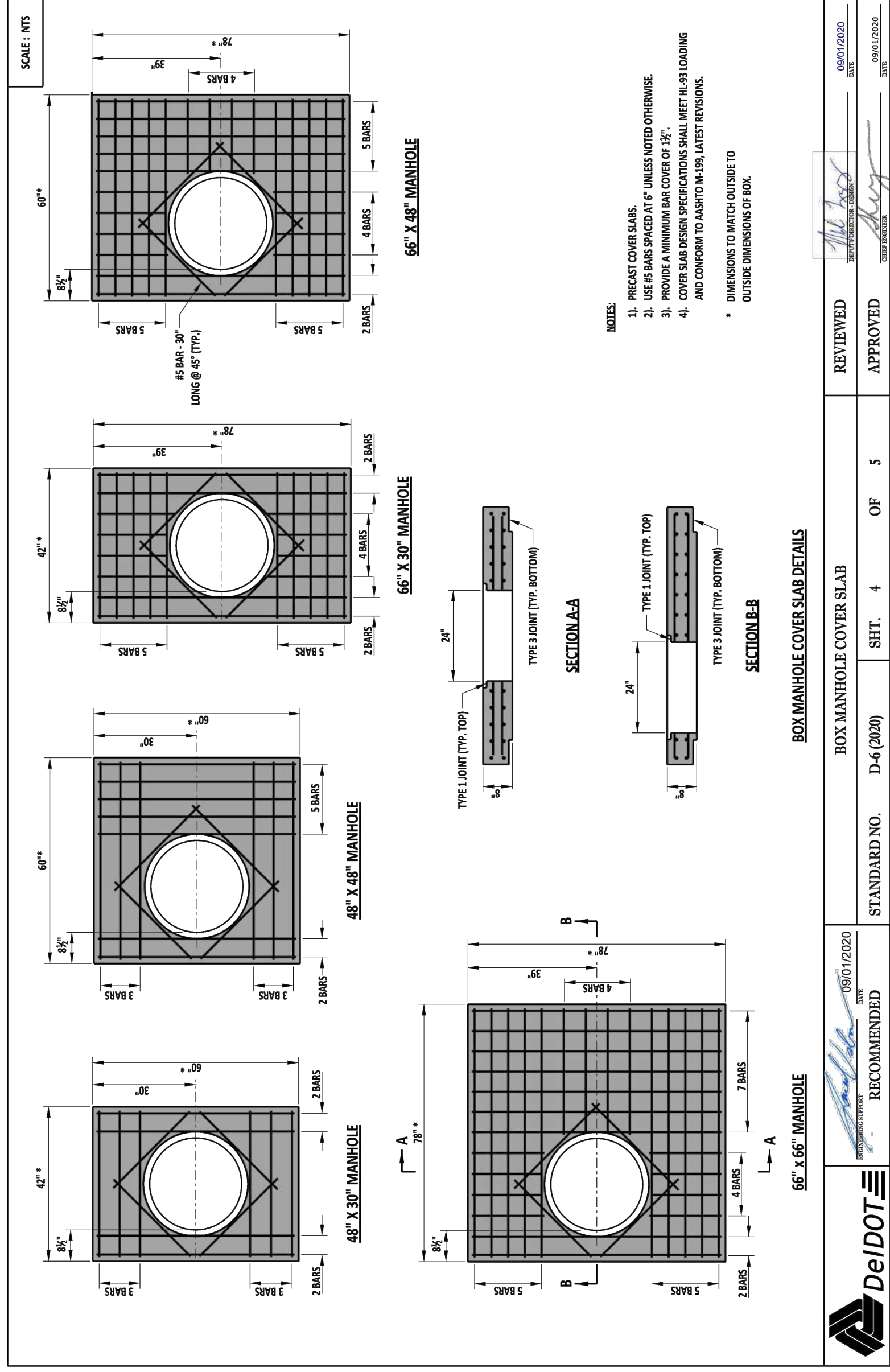
	RECOMMENDED	05/10/2020	RECOMMENDED	05/10/2020	
	REVIEWED	05/10/2020	APPROVED	05/10/2020	
STANDARD NO.	D-6 (2020)	SHT.	1	OF	5
ROUND MANHOLE ASSEMBLY					
REVIEWED					
APPROVED					
DATE	23 October 2024	DATE	23 October 2024		
BY	05/10/2020	BY	05/10/2020		
DATE	05/10/2020	DATE	05/10/2020		
BY	05/10/2020	BY	05/10/2020		



	RECOMMENDED	05/10/2020	RECOMMENDED	05/10/2020	
	REVIEWED	05/10/2020	APPROVED	05/10/2020	
STANDARD NO.	D-6 (2020)	SHT.	3	OF	5
MANHOLE GRADE RING, TOP UNIT, FRAME AND COVER					
REVIEWED					
APPROVED					
DATE	05/10/2020	DATE	05/10/2020		
BY	05/10/2020	BY	05/10/2020		
DATE	05/10/2020	DATE	05/10/2020		
BY	05/10/2020	BY	05/10/2020		



	RECOMMENDED	05/10/2020	RECOMMENDED	05/10/2020	
	REVIEWED	05/10/2020	APPROVED	05/10/2020	
STANDARD NO.	D-6 (2020)	SHT.	2	OF	5
ROUND MANHOLE ASSEMBLY					
REVIEWED					
APPROVED					
DATE	23 October 2024	DATE	23 October 2024		
BY	05/10/2020	BY	05/10/2020		
DATE	05/10/2020	DATE	05/10/2020		
BY	05/10/2020	BY	05/10/2020		



	RECOMMENDED	05/10/2020	RECOMMENDED	05/10/2020	
	REVIEWED	05/10/2020	APPROVED	05/10/2020	
STANDARD NO.	D-6 (2020)	SHT.	4	OF	5
BOX MANHOLE COVER SLAB DETAILS					
REVIEWED					
APPROVED					
DATE	05/10/2020	DATE	05/10/2020		
BY	05/10/2020	BY	05/10/2020		
DATE	05/10/2020	DATE	05/10/2020		
BY	05/10/2020	BY	05/10/2020		



Standard Detail & Specifications
Vegetative Stabilization

TEMPORARY SEEDING BY RATES, DEPTHS AND DATES					
Mix #	Species ⁵	Seeding Rate	Optimum Seeding Dates ¹		Planting Depth ²
			O - Optimum/Planting Period	A - Acceptable/Planting Period	
	Certified Seed	lb/Ac ⁴	lb/1000 sq.ft.	8/15- 8/31 9/1- 9/15 10/1- 10/15	All
1	Barley	125	4	O A O O A O	1-2 inches 2-3" sandy soils
2	Oats	125	4	O A A O A A	1-2 inches 2-3" sandy soils
3	Rye	125	4	O A O O A O	1-2 inches 2-3" sandy soils
4	Perennial Ryegrass	125	4	O A O O A O	0.5 inches 1-2" sandy soils
5	Annual Ryegrass	125	4	O A O O A O	0.5 inches 1-2" sandy soils
6	Winter Wheat	125	4	O A O O A O	1-2 inches 2-3" sandy soils
7	Foxtail Millet	30 PLS	0.7	O O	0.5 inches
8	Peat Millet	20 PLS	0.5	O O	1-2" sandy soils

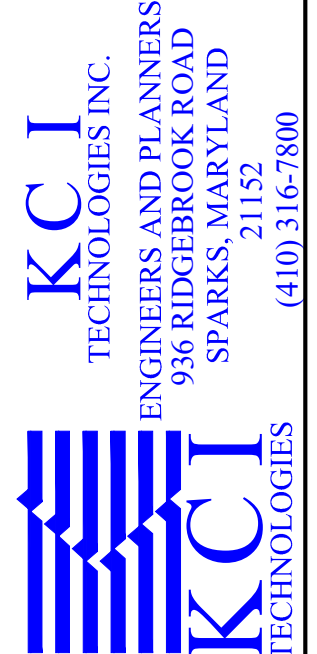
1. Winter seeding requires 3 tons per acre of straw mulch for proper stabilization.
2. May be planted throughout summer if soil moisture is adequate or seeded area can be irrigated.
3. Applicable on slopes 3:1 or less.
4. Use varieties currently recommended for Delaware. Contact a County Extension Office for information.
5. Warm season grasses such as Millet may be used between 5/1 and 9/1 if desired. Seed at 3-5 lbs. per acre. Good on low fertility and acid areas. Seed after frost through summer at a depth of 0.5".

NOTE: Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.

Source:	Delaware ESC Handbook	Symbol:		Detail No.:	DE-ESC-3.4.3 Sheet 1 of 4 Effective July 2023
---------	-----------------------	---------	--	-------------	---

General notes

1. The DNREC Sediment and Stormwater Program (or Delegated Agency) shall be notified in writing 5 days prior to commencing with construction. Failure to do so constitutes a violation of the approved Sediment and Stormwater Management Plan.
2. Review and/or approval of the Sediment and Stormwater Management Plan shall not relieve the contractor from his or her responsibilities for compliance with the requirements of the Delaware Sediment and Stormwater Regulations, nor shall it relieve the contractor from errors or omissions in the approved plan.
3. If the approved plan needs to be modified, additional sediment and stormwater control measures may be required as deemed necessary by DNREC or the Delegated Agency.
4. Following soil disturbance or redistribution, permanent or temporary stabilization shall be completed for all perimeter sediment controls, soil stockpiles, and all other disturbed or graded areas on the project site within 14 calendar days unless more restrictive Federal requirements apply.
5. All erosion and sediment control practices shall comply with the Delaware Erosion and Sediment Control Handbook, latest edition.
6. At any time a dewatering operation is used, it shall be previously approved by the Agency Construction Site Reviewer for a non-erosive point of discharge, and a dewatering permit should be approved by the DNREC Well Permitting Branch.
7. Approval of a Sediment and Stormwater Management Plan does not grant or imply a right to discharge stormwater runoff. The owner/developer is responsible for acquiring any and all agreements, easements, etc., necessary to comply with State drainage and other applicable laws.
8. The contractor shall at all times protect against sediment or debris laden runoff or wind from leaving the site. Perimeter controls shall be checked daily and adjusted or repaired to fully contain and control sediment from leaving the site. Accumulated sediment shall be removed when it has reached half of the effective capacity of the control. In addition, the contractor may need to adjust or alter measures in times of adverse weather conditions, or as directed by the Agency 9. Construction Site Reviewer.
9. Best available technology (BAT) shall be employed to manage turbid discharges in accordance with requirements of 7, Del C. Ch. 60, Regulations Governing the Control of Water Pollution, Section 9.1.02, known as Special Conditions for Stormwater Discharges Associated with Construction Activities, and DNREC policies, procedures, and guidance.



TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
936 RIDGEBROOK ROAD
SPARKS, MARYLAND
21152
(410)-316-7800

Standard Detail & Specifications
Vegetative Stabilization

PERMANENT SEEDING AND SEEDING DATES										
Mix No.	Certified Seed ³	Seeding Mixtures	Seeding Rate ¹	Optimum Seeding Dates ²					Remarks	
				Coastal Plain	8/15- 8/31	9/1- 9/15	10/1- 10/15	Piedmont		
1	Tall Fescue	Well Drained Soils	140	3.2	A	O	A	O	A	Good erosion control mix Tolerant of low fertility soils Good for droughty sites
2	Perennial Ryegrass	Kentucky Bluegrass Sheep Fescue White Clover	30 30 10	0.69 0.69 0.35	A	O	A	O	A	Good erosion control mix Lupine that fixes atmospheric nitrogen
3	Tall Fescue (Turk-type) or Strong Creeping Red Fescue or Perennial Ryegrass	Kentucky Bluegrass Sheep Fescue White Clover plus Flaxseed ⁴	100 70 50 15	1.15 1.61 1.15 0.34	A	O	A	O	A	Good erosion control mix Tall Fescue for droughty conditions. Creeping Red Fescue for droughty sites. Use Flaxseed for increased nutrient uptake.
4	Strong Creeping Red Fescue Kentucky Bluegrass or Ryegrass	plus Flaxseed ⁴	100 70 50 15	2.3 1.61 1.15 0.11	A	O	A	O	A	Stable waterway mix. Can tolerate more moderate soil conditions. Use Flaxseed for increased nutrient uptake.
5	Switchgrass ⁵ or Little Bluestem	Warm season grasses	10 5 5	0.23 0.11 0.11	O					Native warm-season mixture. Tolerant of droughty soils. Drought tolerant. Poor shade tolerance. N fertilizer discouraged - weeds nutrient uptake.
6	Warm Season Grasses (Blend of 3 cultivars)	Warm Season Grasses	150	3.5	O	A	O	A	O	Use for non-erosive areas with nutrient uptake.
7	Tall Fescue	Ky. Bluegrass (Blend)	20	0.46	A	O	A	O	A	These cultivars of Kentucky Bluegrass. Traffic tolerant.
8	Big Bluestem Indian Grass ⁶ Little Bluestem ⁷	Big Bluestem Indian Grass ⁶ Little Bluestem ⁷	10 10 8	0.23 0.18 0.09	A	O	A	O	A	All species are native. Tolerant of droughty sites. Indian Grass and Bluestem have bulky seeds. Plant with a specialist native seed drill.
9	Creeping Red Fescue Partridge Pea Bush Clover	Creeping Red Fescue Partridge Pea Bush Clover	5 3 3	0.11 0.07 0.07	O					Creeping Red Fescue will provide erosion protection while the warm season grasses get established.
10	Stony Cryptantha	Stony Cryptantha	2	0.02	O					

NOTE: Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.

Source:	Delaware ESC Handbook	Symbol:		Detail No.:	DE-ESC-3.4.3 Sheet 2 of 4 Effective July 2023
---------	-----------------------	---------	--	-------------	---

Standard Detail & Specifications
Vegetative Stabilization

PERMANENT SEEDING AND SEEDING DATES (cont.)										
Mix No.	Certified Seed ³	Seeding Mixtures	Seeding Rate ¹	Optimum Seeding Dates ²					Remarks	
				Coastal Plain	8/15- 8/31	9/1- 9/15	10/1- 10/15	Piedmont		
9	Ryegrass	Poorly Drained Soils	75	1.72	O	A	O	A	O	Quick stabilization of disturbed sites and waterways
10	Switchgrass ⁵	Switchgrass ⁵	10	0.23	A	O	A	O	O	Good erosion control, wildlife cover and wetland revegetation.
11	Tall Fescue	Perennial Ryegrass Kentucky Bluegrass Blend	100 25	2.3 0.97	A	O	A	O	A	High value, high maintenance, light traffic, irrigation necessary. Well drained soils, full sun.
12	Tall Fescue	Perennial Ryegrass Sheep Fescue	100 25	2.3 0.97	A	O	A	O	A	Moderate value, high maintenance, light traffic, irrigation necessary.
13	Creeping Red Fescue	Creeping Red Fescue	50	1.15	O	A	O	A	O	Shade tolerant, moderate maintenance,
14	Creeping Red Fescue Dormant Fescue	Creeping Red Fescue Dormant Fescue	50 90	1.15 2.1	O	A	O	A	O	Shade tolerant, moderate maintenance.
15	KC1 Tall Fescue	KC1 Tall Fescue	150	3.8	O	A	O	A	O	Mesophilic, but performs well alone in lawns. Discouraged.

1. When hydroseeding is the chosen method of application, the total rate of seed should be increased by 25%.
2. All seed shall be of the same variety and of similar maturity. Fertilizer rates above are average for Delaware. These rates may require adjustment to reflect local conditions.
3. All seed shall meet the minimum purity and minimum germination percentages recommended by the Delaware Department of Agriculture. The seed shall be certified by the Delaware Department of Agriculture.
4. Turf-type sods may be allowed throughout summer if soil moisture is adequate or seeded area can be irrigated.
5. It is recommended that all leguminous seed be inoculated.
6. Warm season grass-mix and Switchgrass cannot be mowed more than 4 times per year.
7. Warm season grasses require a soil temperature of at least 50 degrees in order to germinate and will remain dormant until then.

NOTE: Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.

Source:	Delaware ESC Handbook	Symbol:		Detail No.:	DE-ESC-3.4.3 Sheet 3 of 4 Effective July 2023
---------	-----------------------	---------	--	-------------	---

Standard Detail & Specifications
Vegetative Stabilization

Construction Notes:

1. Site Preparation
 - a. Prior to seeding, install needed erosion and sediment control practices such as diversions, grade stabilization structures, berms, dikes, grassed waterways, and sediment basins.
 - b. Final grading and shaping is not necessary for temporary seedings.
2. Seedbed Preparation

It is important to prepare a good seedbed to ensure the success of establishing vegetation. The seedbed should be well prepared, loose, uniform, and free of large clods, rocks, and other objectionable material. The soil surface should not be compacted or crusted.
3. Soil Amendments
 - a. Lime - Apply liming materials based on the recommendations of a soil test in accordance with the approved nutrient management plan. If a nutrient management plan is not required, apply dolomitic limestone at the rate of 1 to 2 tons per acre. Apply limestone uniformly and incorporate into the top 4 to 6 inches of soil.
 - b. Fertilizer - Apply fertilizer based on the recommendations of a soil test in accordance with the approved nutrient management plan. If a nutrient management plan is not required, apply a formulation of 10-10-10 at the rate of 600 pounds per acre. Apply fertilizer uniformly and incorporate into the top 4 to 6 inches of soils.
4. Seeding
 - a. For temporary stabilization, select a mixture from Sheet 1. For a permanent stabilization, select a mixture from Sheet 2 or Sheet 3 depending on the conditions. Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.
 - b. Apply seed uniformly with a broadcast seeder, drill, cultipacker seeder or hydroseder. All seed will be applied at the recommended rate and planting depth.
 - c. Seed that has been broadcast should be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used and the seed and fertilizer is mixed, they will be mixed on site and the seeding shall be done immediately and without interruption.
5. Mulching

All mulching shall be done in accordance with detail DE-ESC-3.4.5.

Source:	Delaware ESC Handbook	Symbol:		Detail No.:	DE-ESC-3.4.3 Sheet 4 of 4 Effective July 2023
---------	-----------------------	---------	--	-------------	---

APPENDIX / REVISIONS

NOT TO SCALE

PATRICIA M. BELVIN PEDESTRIAN PATH OFF
TAMARACK AVE DRAINAGE IMPROVEMENTS

CONTRACT
TXXXXXXXXX

COUNTY
NEW CASTLE

BRIDGE NO.
N/A

DESIGNED BY:
EA

CHECKED BY:
DAS

SECTION
ES

SHEET NO.
16

EROSION & SEDIMENT CONTROL
VEGETATION DETAILS

TRAFFIC CONTROL NOTES:

1. ALL STANDARD REGULATORY AND WARNING SIGNS AND OTHER TRAFFIC CONTROL DEVICES USED FOR MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE 2011 DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).
2. ALL TEMPORARY TRAFFIC SIGNS SHALL BE INSTALLED IN ACCORDANCE TO DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
3. ALL TEMPORARY SIGNS SHOWN ON THIS PLAN SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT EXISTING TRAFFIC CONTROL DEVICES (MINIMUM 100' SPACING).
4. ANY CORRECTIONS, MODIFICATIONS, OR ADDITIONS TO THIS PLAN MUST BE APPROVED BY THE TOWN OF ELSMERE.
5. MISS UTILITY MUST BE NOTIFIED PRIOR TO PLACEMENT OF SIGNING; IF MOUNTING ON POSTS.
6. SIGN INSTALLATION SHALL NOT LAST ANY LONGER THAN 15 MINUTES PER LOCATION. IF LONGER THAN 15 MINUTES APPROPRIATE TRAFFIC CONTROL AND PERMITS MUST BE USED.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL TRAFFIC CONTROL DEVICES. AT ANYTIME THE CONTRACTOR DOES NOT MAKE NECESSARY REPAIRS WITHIN 24 HOURS OF NOTIFICATION, APPROPRIATE WORK TIME REDUCTION AND/OR FINES MAY BE APPLIED.
8. ALL DRIVEWAY ENTRANCES MUST BE MAINTAINED AT ALL TIMES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THE SAFETY OF THE PUBLIC AND THE WORK CREW IS MAINTAINED AT ALL TIMES THROUGHOUT THE TERM OF THE CONTRACT. MOTORISTS SHALL BE GUIDED IN A CLEAR AND POSITIVE MANNER WHILE TRAVELING THROUGH THE WORK ZONE.
10. THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND MATERIALS FROM THE TRAVELED PORTION OF THE ROADWAY. NO EQUIPMENT OR MATERIALS SHOULD BE STORED IN A WAY THAT OBSTRUCTS SIGHT DISTANCE AT INTERSECTING ROADWAYS AND SHALL NOT BE STORED WITHIN THE 30-FOOT CLEAR ZONE WITHOUT POSITIVE PROTECTION. THE CONTRACTOR AND INSPECTORS SHALL NOT PARK VEHICLES BEHIND DRUMS WITHIN THE TAPER AND BUFFER AREAS.
11. ANY DAMAGE TO EXISTING STRUCTURES, SIGNS, POSTS AND HARDWARE AS A RESULT OF OPERATIONS DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE COUNTY.
12. IN THE EVENT THAT ADJACENT CONSTRUCTION PROJECTS OCCUR SIMULTANEOUSLY WITH THIS PROJECT, COORDINATION OF THE TRAFFIC CONTROL PLANS FOR EACH PROJECT WILL BE REQUIRED BY THE CONTRACTOR. SPECIFICALLY, THE LOCATION OF OVERLAPPING ADVANCED WARNING SIGNS SHALL BE ADJUSTED AS REQUIRED.
13. ALL TEMPORARY SIGNS INSTALLED FOR THIS PROJECT SHALL BE ADJUSTED TO AVOID CONFLICTS WITH EXISTING SIGNS. ANY EXISTING OR TEMPORARY SIGN THAT IS NO LONGER APPLICABLE SHALL BE COVERED OR REMOVED AND RESTORED WHEN THE PROJECT IS COMPLETE. TEMPORARY SIGNS SHALL MAINTAIN A MINIMUM SPACING OF 200 FEET BETWEEN SIGNS.
14. WORK HOURS ARE 9 A.M. TO 3 P.M. MONDAY THROUGH FRIDAY.
15. AT THE END OF THE WORKDAY BACKFILL OR COVER WITH STEEL PLATES ALL OPEN EXCAVATIONS. INCLUDE STEEL PLATE WARNING SIGNS WHEN NEEDED.
16. CONTRACTOR SHALL COORDINATE WITH THE TOWN OF ELSMERE TO REQUEST APPROVAL FOR A TRAFFIC DETOUR. THE DETOUR SHALL FOLLOW DELAWARE MUTCD FIGURE 6H-20. DETOUR FOR A CLOSED STREET (TA-20).
17. CONTRACTOR SHALL LIMIT ALL DROP-OFFS TO NO MORE THAN 2 INCHES. IF A DROP OFF IS GREATER THAN 2 INCHES, THE CONTRACTOR SHALL INSTALL TEMPORARY PAVEMENT/OR APPROPRIATE MATERIAL AS APPROVED BY THE TOWN OF ELSMERE AS NEEDED TO REDUCE THE DROP OFF TO 2 INCHES OR LESS.
18. TOWN OF ELSMERE AND CONTRACTOR TO COORDINATE AND RESTRICT PARKING IN THE AREA OF THE TRAFFIC CONTROL SETUP 24 HOURS IN ADVANCE OF WORK STARTING.

SEQUENCE OF CONSTRUCTION

1. SETUP THE WORKZONE FOR THE DAY. INSTALL FLAGGING OPERATION.
2. COMPLETE CONSTRUCTION FOR THE WORK DAY.
3. ELIMINATE DROP-OFFS AND OPEN EXCAVATIONS. RESTORE ALL TRAFFIC LANES TO NORMAL OPERATIONS AT THE END OF THE WORK DAY.

MOT NOTE: USE THIS DETAIL WHEN WORK AND EQUIPMENT IS WITHIN THE ROADWAY.

MOT NOTE: USE THIS DETAIL WHEN WORK AND EQUIPMENT IS WITHIN THE ROADWAY AT OR NEAR AN INTERSECTION.

Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)
(Delaware Revision)

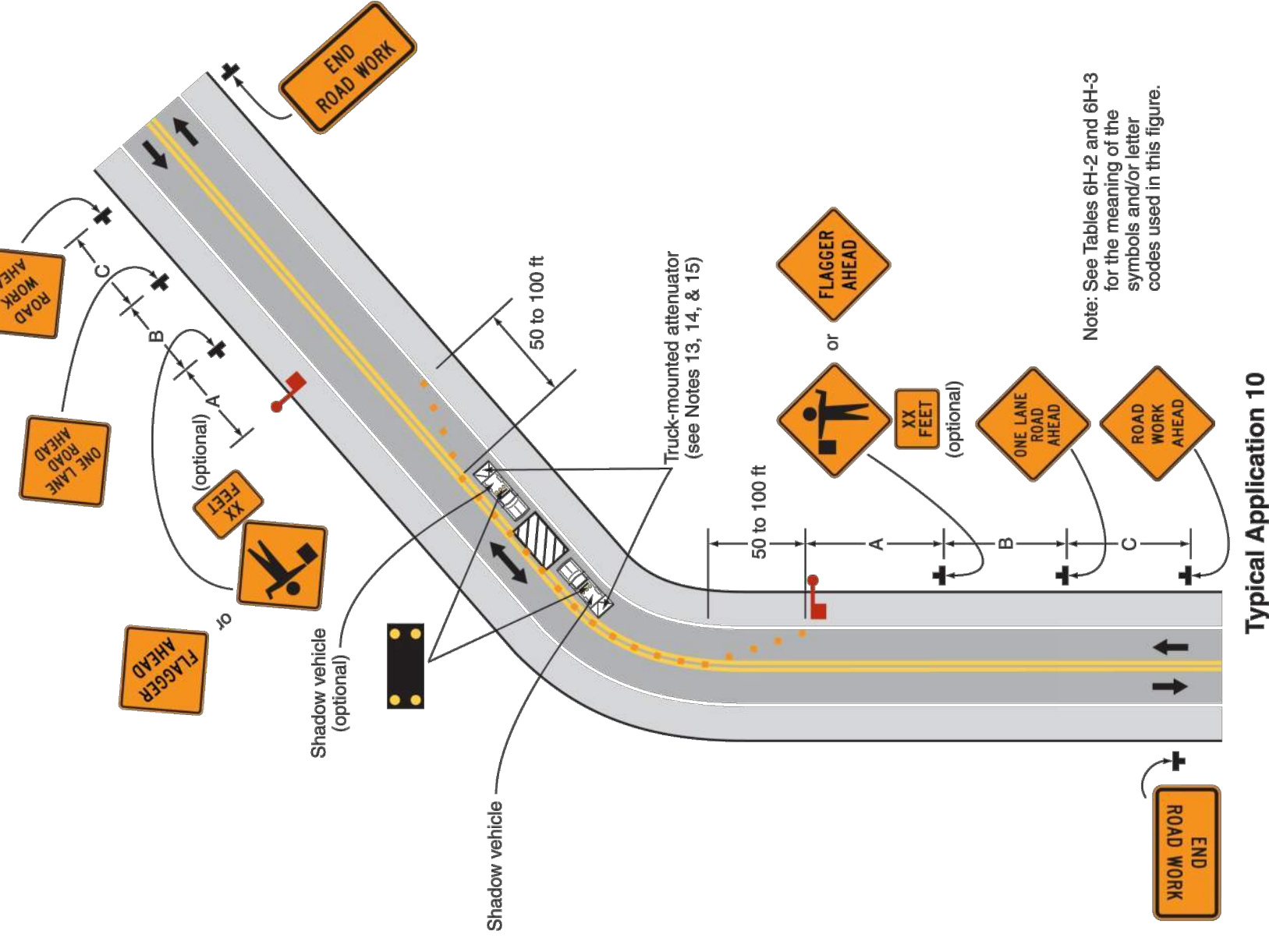
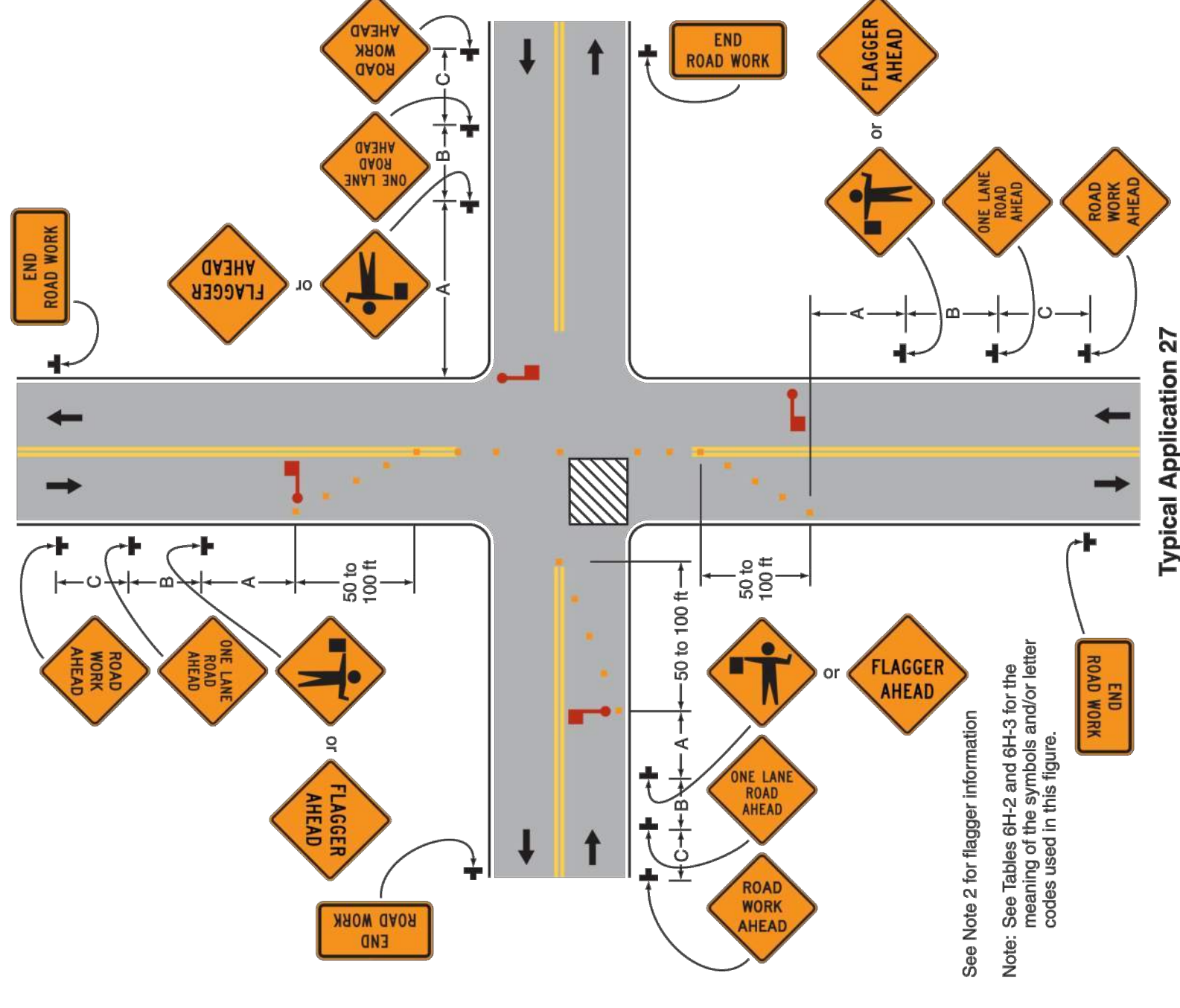


Figure 6H-27. Closure at the Side or Center of an Intersection (TA-27)
(Delaware Revision)



TOWN OF ELSMERE

KCI Technologies, Inc. Engineer's Estimate (Schedule of Prices)
30% Bid Submission (Engineers Estimate)

Contract Title: Patricia M. Belvin Pedestrian Path off Tamarack Ave. Drainage Improvements
Contract ID: TBD
County: NEW CASTLE, TOWN OF ELSMERE

Date: 2/11/2025
Page: 001-1

Item No.	Item Description	Unit	Unit Price	Qty	Total Cost
DIVISION 200 EARTHWORK					
209004	BORROW, TYPE C	CY		125	
202000	EXCAVATION AND EMBANKMENT	CY		150	
202003	UNDERCUT EXCAVATION	CY		25	
211001	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT, CURB AND SIDEWALK	SY		60	
DIVISION 200 =					
DIVISION 300 BITUMINOUS MATERIALS					
301001	GABC	CY		20	
DIVISION 400 =					
DIVISION 400 BITUMINOUS MATERIALS					
401005	SUPERPAVE TYPE C, 9.5mm, PG 64-22 (CARBONATE STONE)	TON		60	
401036	SUPERPAVE TYPE C, 9.5mm, PG 64-22, WEDGE	TON		30	
DIVISION 400 =					
DIVISION 500 RIGID PAVEMENT					
501505	PCC PAVEMENT, CLASS A	SY		80	
505000	PCC PATCHING, PARTIAL DEPTH	SYIN		60	
DIVISION 500 =					
DIVISION 600 STRUCTURES					
601000	CLEANING DRAINAGE PIPE, 15"-24" DIAMETER	LF		1497	
601011	REINFORCED CONCRETE PIPE, 15", CLASS III	LF		111	
601012	REINFORCED CONCRETE PIPE, 18", CLASS III	LF		72	
601103	REINFORCED CONCRETE ELLIPTICAL PIPE, 24"X38", CLASS III	LF		41	
601115	REINFORCED CONCRETE ELLIPTICAL PIPE, 29"X45", CLASS III	LF		33	
602003	DRAINAGE INLET, 34" X 24"	EA		3	
602009	DRAINAGE INLET, 72" X 24"	EA		3	
602035	MANHOLE, ROUND	EA		5	
602132	ADJUSTING AND REPAIRING EXISTING MANHOLE	EA		1	
DIVISION 600 =					
DIVISION 700 MISCELLANEOUS CONSTRUCTION					
701023	I.PCC CURB AND GUTTER, TYPE 3-8	LF		200	
705001	PCC SIDEWALK, 4"	SF		45	
705002	PCC SIDEWALK, 6"	SF		730	
760010	PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT	SYIN		930	
762000	SAW CUTTING, BITUMINOUS CONCRETE	LF		300	
763000	INITIAL EXPENSE/ DE-MOBILIZATION	LS		1	
DIVISION 700 =					
DIVISION 800 TRAFFIC					
801000	MAINTENANCE OF TRAFFIC	LS		1	
805001	PLASTIC TRAFFIC CONTROL DRUMS	EADY		300	
810001	TEMPORARY WARNING SIGNS AND PLAQUES	EADY		400	
811007	FLAGGER, NEW CASTLE COUNTY, FEDERAL	HOUR		300	
817013	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF		300	
DIVISION 800 =					

TOWN OF ELSMERE

KCI Technologies, Inc. Engineer's Estimate (Schedule of Prices)
30% Bid Submission (Engineers Estimate)

Contract Title: Patricia M. Belvin Pedestrian Path off Tamarack Ave. Drainage Improvements
Contract ID: TBD
County: NEW CASTLE, TOWN OF ELSMERE

Date: 2/11/2025
Page: 001-1

Item No.	Item Description	Unit	Unit Price	Qty	Total Cost
DIVISION 900 EROSION, SEDIMENT, AND STORMWATER MEASURES					
908009	TOPSOILING, 4" DEPTH	SY	_____	102	_____
908014	PERMANENT GRASS SEEDING, DRY GROUND	SY	_____	102	_____
DIVISION 900 =					
<div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>*This estimate does not include utility relocation or right-of-way/property acquisition.</p> </div> <div style="width: 25%;"> <p>DIVISION 200 = _____</p> <p>DIVISION 400 = _____</p> <p>DIVISION 500 = _____</p> <p>DIVISION 600 = _____</p> <p>DIVISION 700 = _____</p> <p>DIVISION 800 = _____</p> <p>DIVISION 900 = _____</p> </div> </div>					
CONSTRUCTION COST =					

APPENDIX "A"

Proposal Form

Name of Proposer: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Email Address: _____

Telephone: _____ Fax: _____

TOTAL AMOUNT OF PROPOSAL \$ _____

(proposal details should be submitted on a separate sheet and included with this form)

_____ CHECK HERE IF THE PROPOSAL INCLUDE ANY EXCEPTIONS TO THE SCOPE OF WORK. (EXCEPTIONS SHOULD BE SPECIFICALLY NOTED AND SUBMITTED WITH THIS FORM)

The undersigned, by his/her signature, represents that he/she is authorized to bind the Proposer to fully comply with the terms and conditions of the attached Request for Proposal, Specifications, and Special Provisions for the amount(s) shown on the accompanying Proposal sheet(s). By signing below, you have read the entire document and agreed to the terms therein.

(Signature of Person Authorized to Sign PROPOSAL)

Date

Printed Name and Title of Signer:

DO NOT SIGN OR SUBMIT WITHOUT READING ENTIRE DOCUMENT THIS FORM MUST BE COMPLETED, SIGNED, AND RETURNED WITH PROPOSAL

APPENDIX "B"
Affidavit of Workers Eligibility

STATE OF DELAWARE)

) SS.

COUNTY OF NEW CASTLE)

AFFIDAVIT OF COMPLIANCE

WITH TOWN OF ELSMERE EMPLOYMENT REQUIREMENTS

1. I am an officer of _____ (the "Company") and am authorized to make this affidavit on its behalf.

2. I hereby certify that all of the employees of the Company performing work within the Town of Elsmere are lawfully permitted to be employed by the Company under both federal and state law.

Sworn to and Subscribed before me this _____ day of _____, 2025

Notary Public

*** This form must be signed and included for each proposal ***

APPENDIX "C"

Debarment Certification

- (1) The Proposer certifies to the best of its knowledge and belief, that it and its principals:
- (a) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
 - (b) have not within a three-year period preceding this Proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) have not within a three-year period preceding this Proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this Proposal.

Agency Name:
Project Title:
Agency Project Manager:
Title of Project Manager:
Agency Authorizing Official (Print):
Agency Authorizing Official (Signature):
Date:

APPENDIX "D"

Sample Certificate of Insurance



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/04/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER ABC Insurance Agency 1 Main St Elsmere DE 19805 SAMPLE CERTIFICATE OF INSURANCE		CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:	
		INSURER(S) AFFORDING COVERAGE	
		INSURER A: Insurance Company Rated A- VII or Better	
		INSURER B:	
		INSURER C:	
		INSURER D:	
		INSURER E:	
		INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	General Liability	06/30/2019	06/30/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Pesticide or Herbicide \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY	Y	Y	Auto Liability	06/30/2019	06/30/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$	Y	Y	Umbrella Liability	06/30/2019	06/30/2020	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000 \$ PER STATUTE OTH-ER
B	<input type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y	Employers Liability	06/30/2019	06/30/2020	E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 The Town of Elsmere is included as Additional Insured via forms CG2010 & CG2037 or equivalent on a Primary & Non-Contributory Basis for General Liability. The Town of Elsmere is included as an Additional Insured for Automobile Liability and Umbrella Liability on a Primary & Non-Contributory Basis. A Waiver of Subrogation is granted in favor of The Town of Elsmere for purposes of General Liability, Automobile Liability, Workers Compensation and Umbrella Liability.

CERTIFICATE HOLDER Town of Elsmere 11 Poplar Ave Elsmere DE 19805	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	--