

INVITATION TO BID  
Town of Branford  
West Main Street Island

The Town of Branford is requesting bid proposals for the reconstruction of the traffic island at the intersection of Main Street (Rt 146) and West Main Street (U.S. Route 1) in the Town of Branford.

Contract Documents will be available on the Town of Branford website [www.branford-ct.gov](http://www.branford-ct.gov).

Bids will be received in the Finance Department until 11:00 AM, October 5<sup>th</sup>, 2023. No bids will be accepted after that time and date. Bids will be publicly opened immediately following the submission deadline in the conference room located on the basement floor of Town Hall. Bids must be held for ninety (90) day beyond the bid opening date.

This contract is subject to state set-aside and contract compliance requirements.

CONTRACTORS shall be required to pay not less than the prevailing wage rates on the Project if the Bid amount exceeds \$100,000, as established by the State of Connecticut. Copies of these wage rates are incorporated in the Contract Documents. Each CONTRACTOR or Subcontractor performing Work on this Project shall comply in all respects with all laws governing the employment of labor, Social Security, and Unemployment Insurance of both the state and federal government.

The contractor who is selected to perform this Town 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 be set aside for award to subcontractors holding current certifications from the Connecticut Department of Administrative Services (“DAS”) under the provisions of CONN. GEN. STAT. §4a-60. (25% of the total state-funded value with DAS-certified Small Businesses and 6.25% of the total state-funded value with DAS-certified Minority-, Women-, and/or Disabled-owned Businesses.) The contractor must demonstrate good faith effort to meet the 25% set-aside goals.

The Town of Branford has the right to accept or reject any and all bids.

**TOWN OF BRANFORD**  
**OFFICE OF THE TREASURER**



1019 Main Street  
Post Office Box 150  
Branford, CT 06405

(203)488-8394  
FAX: 315-3736

**General Requirements for Bidding**  
**And**  
**Instructions to Bidders**

**NOTICE**

Information provided in these specifications is ***CONFIDENTIAL*** and is to be used only for the purpose of preparing a proposal. It is further expected that each bidder will read these specifications with care, for failure to meet every one or a combination of specified conditions may invalidate the proposal.

The Town reserves the right to reject any or all bids or any portion thereof and to accept the bid deemed to be in the best interest of the Town of Branford.

Bidders are requested to submit quotations on the basis of these specifications. Alternate quotations will receive consideration providing such alternatives are clearly explained.

The information contained herein is believed to be accurate and is based upon the latest available information but is not to be considered in any way as a warranty.

Revised 5/2012  
Standard Form

## ***SECTION I – General Terms and Conditions***

### **A. Compliance with Laws**

The bidder shall at all times observe and comply with all laws, ordinances and regulations of the federal, state and local governments, which may in any way affect the preparation or the performance of the contract.

### **B. Timetable**

Price quoted must be valid for 90 days. Delivery and installation completion dates must be included in the bid proposal.

### **C. Consideration of Proposals**

The Board of Selectmen, or a majority of them, reserve the right to select or reject alternate proposals; to waive informality in proposals; and to reject any and all bids, or accept such bid as shall in its judgement be to the best interest of the Town of Branford.

### **D. Bid Bond - Required**

1. A certified check or bank draft made payable to the “Treasurer, Town of Branford”, or a satisfactory bid executed by the bidder and a surety company in an amount no less than five percent (5%) of the base bid, may be required with each proposal.
2. Check or drafts will be returned to unsuccessful bidders within ten (10) business days of the bid award.

### **E. Performance Bond - Required**

Successful bidders will be required to furnish a Performance and a Payment Bond in the amount of 100% of the contract sum.

### **F. Protection of Work and Property**

Successful bidders shall be responsible for protection of their equipment and materials against theft, damage or deterioration on the site.

**G. Competency of Bidders**

1. Bidders shall have had proven experience in the field of work.
2. Bidders shall submit with their bid a listing of recent work performed within the State of Connecticut of the size equal to or greater than the work being bid.

**H. Alternates**

1. Any alternates to specified materials or workmanship must be separately listed and described in detail.
2. Alternates will be considered in awarding the contract only if they provide, as a minimum requirement, all features contained in the specifications.
3. The Town of Branford reserves the sole right to determine through its agents the equality of alternate products and/or installation procedures.

**I. Bid Requirements**

1. Each bidder shall return two (2) copies of the proposal sheet entitled "Bid Proposal". Each bid proposal must be signed by an authorized agent of the bidder.
2. Each bidder must complete and have notarized the "Non-Collusion Affidavit of Bidder" form. This form must accompany all bids being submitted.
3. Each bidder must be in a good standing with the Town of Branford.
4. Successful bidders must obtain any required governmental approvals.

**J. Specifications – General**

The contract shall include all labor and materials, tools and equipment and services required for proper performance of the work as specified hereinafter and as may be required for proper completion of the work in accordance with the highest standards of the trades involved.

**K. Examination of Site**

Prior to submission of the bid, contractor shall visit the site, consult with the supervisor, and become thoroughly familiar with all conditions under which the work will be installed. The contractor will be responsible for any assumptions made regarding the site for the work to be performed.

## Town of Branford Professional Services – Insurance Requirements

Contractor/Vendor shall agree to always maintain in force during the contract the following minimum coverage and shall name the Town of Branford as an Additional Insured on a primary and non-contributory basis to all policies except Workers Compensation. All policies should also include a Waiver of Subrogation. Insurance shall be written with Carriers approved in the State of Connecticut and with a minimum AM Best's rating of "A-"VIII.

		(Minimum Limits)
General Liability	Each Occurrence	\$1,000,000
	General Aggregate	\$2,000,000
	Products/Completed Operations Aggregate	\$2,000,000
Auto Liability	Combined Single Limit	
	Each Accident	\$1,000,000
Excess/Umbrella Liability	Each Occurrence	\$1,000,000
	Aggregate	\$1,000,000
Professional Liability	Each Occurrence	\$1,000,000
	Aggregate	\$1,000,000
Cyber Liability <sup>(1)</sup>	Each Occurrence	\$1,000,000
	Aggregate	\$1,000,000
Workers' Compensation and Employers' Liability <sup>(2)</sup>	WC Statutory Limits	
	EL Each Accident	\$500,000
	EL Disease Each Employee	\$500,000
	EL Disease Policy Limit	\$500,000

If any policy is written on a "Claims Made" basis, the policy must be continually renewed for a minimum of two years from the completion date of this contract. If the policy is replaced and/or the retroactive date is changed, then the expiring policy must be endorsed to extend the reporting period for claims for the policy in effect during the contract for two) years from the completion date.

Original, completed Certificates of Insurance must be presented to the Town of Branford prior to contract issuance. Contractor/Vendor agrees to provide replacement/renewal certificates at least 30 days prior to the expiration date of the policies. Should any policy be cancelled for nonpayment of premium, 10 days written notice must be provided to the Town. Should any of the policies be cancelled for other reasons, limits reduced or, coverage altered, 30 days written notice must be given to the Town.

### **Notes**

- (1) Cyber Liability is required if Contractor is on Town's network or houses Town information on their network.
- (2) Workers Compensation is required if employees come onto Town property.

### **Hold Harmless Requirements**

The contractor shall, at all times, indemnify and save harmless the Town of Branford, its officers, agents, and servants on account of any and all claims, damages, losses, litigation expense, counsel fees and compensation arising out of injuries (including death) sustained by or alleged to have been sustained by the public, any or all persons affected by the contractor's work, or by the contractor, any subcontractor, material, men or anyone directly or indirectly employed by them or anyone of them while engaged in the performance of this contract. The Town of Branford shall be named as an additional insured on said policy of public liability insurance to cover all claims against the Town arising out of said contract.

NON-COLLUSION AFFIDAVIT OF BIDDER

State of: \_\_\_\_\_

County of: \_\_\_\_\_ SS)  
\_\_\_\_\_

\_\_\_\_\_; being first duly sworn, deposes and says that:

- 1) S/he is (owner, partner, officer, representative or agent) of \_\_\_\_\_, the Bidder that has submitted the attached Bid: \_\_\_\_\_
- 2) S/he is fully informed regarding the preparation and contents of the attached Bid and of all pertinent circumstances regarding such Bid:
- 3) Such Bid is genuine and is not a collusive or sham Bid:
- 4) Neither the said Bidder nor any of its officers, partners, owner, agents, representatives, employees or parties in interest, including this affiant, has 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 to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any Bidder, or to fix any overhead, profit or cost element of the bid price or the bid price of any other Bidder or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage with the Owner or any person interested in the proposed Contract.
- 5) The price quoted in the attached Bid is fair and proper and is not tainted by collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest.

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Notary Public: \_\_\_\_\_

My Commission expires \_\_\_\_\_, 20\_\_\_\_.

## **SUPPLEMENTAL INSTRUCTIONS TO BIDDERS**

**SECTION 1. DESCRIPTION OF PROJECT.** The work to be performed is as described in the Request for Bids.

**SECTION 2. ADDENDA TO THE DOCUMENTS.** Any explanation regarding the meaning or interpretation of contract drawings, specifications, or other contract documents must be requested in writing, with sufficient allowance of time for receipt of reply before the time of bid opening. Any such explanations or interpretations shall be made in the form of addenda to the documents and shall be furnished to all bidders, who shall submit all addenda with their bids. Oral explanations and interpretations made prior to the bid shall not be binding.

Questions regarding the bid specifications shall be requested in writing to:  
Kevin Ortiz, E.I.T – Civil Design Engineer:

Mailing Address: 1019 Main Street  
P.O. Box 150  
Branford, CT 06405  
Fax: (203)315-2188  
E-mail: [kortiz@branford-ct.gov](mailto:kortiz@branford-ct.gov)

**SECTION 3. EXAMINATION OF SITE.** Bidders should visit the work site to ascertain by inspection pertinent local conditions such as location, character and accessibility of the site, availability of facilities, locations and character of existing work within or adjacent thereto, labor conditions, etc. The Owner shall make available to all prospective bidders, previous to the receipt of bids, information that they may have as to sub-soil conditions and surface topography at the work site. Such information shall be given, however, as the best factual information available without the assumption of responsibility for its accuracy or for any conclusions that the Contractor might draw therefrom.

**SECTION 4. BID SECURITY.** Security required, if any, shall be submitted with the Proposal, and failure to submit same shall be cause for rejection. The bidder, at his option, shall furnish a bid bond, certified check, bank draft, or bank cashier's check in the amount required. Security deposited by unsuccessful bidders will be returned as soon as practicable after the opening.

**SECTION 5. PREPARATION OF BIDS.** Bids shall be submitted on the forms provided, and must be signed by the bidder or his authorized representative. Any corrections to entries made on bid forms should be initialed by the person signing the bid. Bidders must quote on all items appearing on the bid forms, unless specific directions in the advertisement, on the bid form, or in the special provisions allow for partial bids. Failure to quote on all items may disqualify the bid. When quotations on all items are not required, bidders shall insert the words "no bid" where appropriate. Alternative bids will not be considered unless specifically called for.



SECTION 6. APPROXIMATE QUANTITIES. Proposals quantities established in cases where any part or all of the bidding is received on a unit basis are approximate only, and each bidder shall make his own estimate from the contract drawings of the quantities required on each item and calculate his unit price bid for each item accordingly.

Bids will be compared on the basis of the stated number of units in the Proposal.

Payment on the contract will be based upon the actual number of units installed on the completed work.

SECTION 7. SUPPLEMENTAL UNIT PRICES. If the bidding schedule includes a supplemental schedule of unit prices for fixing cost basis for changes, the Owner reserves the right to reject any or all of such supplemental unit prices which it deems excessive or unreasonable.

SECTION 8. DEFINITION OF AWARD. The contract shall be deemed to have been awarded when the authorized officer of the Owner has served formal notice of award upon the intended awardee.

SECTION 9. CONTRACT, BONDS, AND INSURANCE. The bidder to whom the award is made shall enter into a written contract with the Owner within the time specified in the Proposal.

Performance and payment bonds shall be furnished at the time of signing the formal Agreement.

The Contractor shall secure and maintain such insurance policies as are required. A Certificate of Insurance must be provided to the Town of Branford and include the Town of Branford and the State of Connecticut as Additional Named Insured.

A performance and labor & materials bond in a sum equal to one hundred percent (100%) of the amount of the bid, with sureties to be approved by the Town of Branford for the faithful performance of the contract must be furnished by the successful bidder.

SECTION 10. SUBCONTRACTORS. A list of all Subcontractors, Suppliers and other persons and organizations, including those who are to furnish the principal item of material and equipment proposed for major portions of the Work including supplies of materials and any subcontractor comprising more than 5% of the Total Bid Price shall include company name, postal address, telephone number and name responsible individual.

SECTION 11. STATE ENCROACHMENT PERMIT REQUIRED. This project will be constructed within a State Right-of-Way. The successful bidder will be required to apply and obtain all necessary permits from the Connecticut Department of Transportation, District 3 prior to mobilizing to the project site. All permit fees, bonds and insurance shall be produced by the

Contractor at no cost to the Owner as part of this project. The Owner has gained preliminary approvals from DOT for this project.

SECTION 12. WAGE RATES. Contractors shall be required to pay not less than the prevailing wage rates on the Project if the Bid amount exceeds \$100,000, as established by the State of Connecticut. Copies of these wage rates are incorporated in the Contract Documents. Each CONTRACTOR or Subcontractor performing Work on this Project shall comply in all respects with all laws governing the employment of labor, Social Security and Unemployment Insurance of both the state and federal government.

ATTACHMENT A – WAGE RATES

ATTACHMENT B – CONTRACT DRAWINGS

**Town of Branford**  
Request for Bids  
West Main Street Island  
1019 Main Street, P.O. Box 150  
Branford, CT 06405

**GENERAL:** The removal and reconstruction of the traffic island at Main Street (Rt 146) and West Main Street (U.S. Route 1).

**SUMMARY:** The Town of Branford wishes to have the existing bituminous curb and grass traffic island reconstructed as shown on the included map and plans.

The reconstructed island will be constructed with granite curbing and concrete pavers set on a concrete and aggregate bed. The sign and sign foundation as shown on the plans will be installed and completed by others. Pavement restoration, traffic control and pavement markings will be required under this contract.

All traffic controls required, with the exception of Municipal Police, will be incidental to this contract and will not be paid separately.

**SCOPE OF WORK:** The Contractor shall meet with representatives of the Engineering Department and sign installer to review the project limits and sequence in the field prior to breaking ground.

The Contractor will be responsible for maintaining the work area in a clean and safe condition with areas properly signed and barricaded during construction. All materials and equipment shall be safely stored and secured, and all debris, wrappings, empty containers, paper, trash, etc. shall be disposed of at the completion of work each day.

The Contractor will be responsible for removal of unwanted and/or excess materials and properly dispose of them. The Contractor will be responsible for supplying and coordinating the delivery of all equipment and materials to the work site and will be responsible for supplying all materials, equipment and labor, and incidentals required to complete the work.

The Contractor shall be responsible for adhering to all CTDOT encroachment permit requirements.

The Contractor shall provide safe passage for vehicular and pedestrian traffic through the work area at all times. The Contractor shall be responsible for the safety of traffic within all areas of Contractor's work and on the approaches to the areas of work. Contractor shall furnish, erect and maintain such warning devices as are necessary to protect the public, and as required by the CT Department of Transportation. All costs for protection and maintenance of traffic for which line items do not exist shall be incidental to the contract and borne by Contractor.

Work shall be completed within 30 days from the Notice of Proceed.

Except as otherwise required by State DOT for the safety or protection of persons or the work or property at the site or adjacent thereto, all work at the site shall be performed during the hours of 7 am to 5 pm, Monday through Friday. No work shall be performed on Saturdays, Sundays, or Holidays without permission from the Town and State DOT.

Inspection of work is to be performed by the Town Engineer, Assistant Town Engineer, Civil Design Engineer, Acting Public Works Director, or State DOT personnel. Any corrective action required as a result of the inspection shall be completed prior to final payment. All work performed under this contract will have a one year warranty for materials and workmanship.

**CONTACT PERSON:**

Kevin Ortiz, E.I.T, Civil Design Engineer, is the designated contact person for this Bid. The contact information for Kevin Ortiz, E.I.T is:

Mailing Address: 1019 Main Street  
P.O. Box 150  
Branford, CT 06405  
Fax: (203)315-2188  
E-mail: [kortiz@branford-ct.gov](mailto:kortiz@branford-ct.gov)

All questions about the meaning or intent of the Bidding Documents are to be submitted to the Contact Person in writing. Interpretations or clarifications considered necessary by the Owner in response to such questions will be issued by Addenda to all parties recorded by the Owner as having received the Bidding Documents, and will be posted on the Town's website.

Questions received less than ten days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

The Owner will set forth as Addenda, which shall become a part of the Contract Documents, such questions received as above provided as in their sole judgment are appropriate or necessary and their decision regarding each.

The Contractor agrees to use the products and methods designated or described in the specifications as amended by the Addenda.

**SUBMISSIONS OF BIDS:**

All Bids shall be delivered to the Finance Department (2<sup>nd</sup> Floor of Town Hall), 1019 Main Street, Branford, CT, 06405 and must be received by 11:00 AM, October 5<sup>th</sup>, 2023.

The Bid Proposal Sheet, Non-Collusion Affidavit and supporting documentation is to be submitted in a sealed envelope marked **“West Main Street Island”**.

**In addition to the Bid Proposal Sheet, all bid proposals should address the following:**

## A) Corporate Information

1. Name of the firm and parent firm, if any.
2. Nature of the firm's primary area of service
3. Address of the principal office
4. Name, address, and telephone number of the principal contact person to receive notifications and to reply to Town inquiries.

## B) Corporate Experience

All submitting firms should provide a description of recent similar projects, including pertinent information such as project type, size, and scope of work performed. References should be provided.

## LIST OF SUBCONTRACTORS

List here under the Subcontractor, Suppliers and other persons and organizations supplying material and work whose value is 5% or more of Total Bid Price, including those who are to furnish the principal items of material and equipment, that the BIDDER intends to employ if awarded the Contract and the work to be done by them. Include Work BIDDER intends to subcontract even if a Subcontractor or Supplier has not yet been selected, Work for which a Subcontractor is not listed shall be performed by the BIDDER.

[illegible]

## **INTRODUCTION TO THE SPECIAL PROVISIONS**

The State of Connecticut, Department of Transportation, Standard Specification for Roads, Bridges, Facilities and Incidental Construction, Form 818, and supplements there to dated January 2023 (otherwise referred to collectively as “Form 818”), is hereby made part of this contract. The Standard Specifications as defined below shall apply to the various items of work which constitute the construction contemplated under this Contract except as amended, supplemented or replace by the Special Provisions of this Contract and as described herein.

Within the Standard Specifications and Special Provisions of this Contract, the following definitions shall apply:

1. Standard Specifications: Shall mean the State of Connecticut Department of Transportation, Bureau of Highways, “Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 818, and supplements thereto date July 2022.

CTDOT. District, State. Department, Commissioner: State DOT or its Engineer, Inspector or other authorized representative or agent of the Owner.

Inspector/Engineer: Engineer, Inspector or other authorized representative or agent of the Owner.

2. Applicable Safety Code: Shall mean the latest edition including any and all amendments, revisions, and additions thereto of the Federal Department of Labor, Occupational Safety and Health Administration’s “Occupational Safety and Health Standards” and “Safety and Health Regulations for Construction”, the State of Connecticut Labor Department, “Construction Safety Code”, or State of Connecticut “Building Code”, whichever is the more stringent for the applicable requirement.
3. Items: Reference within the text of these Specifications to Items numbers with the suffix “A” are Special Provision Items within this Contract. Sections or Articles referred to with a number without the suffix “A” refer to the Standard Specifications defined above.
4. Local Regulatory Agency(ies): is defined as the governing body or authority having jurisdiction over or responsibility for a particular activity within the Scope of this Contract. They may be as specifically defined within the Special Conditions or Special Provisions, otherwise, the Contractor shall be responsible to determine same in the local area of the Contract and should be cognizant of the limit of jurisdiction within the project area.
5. These Specifications, where used in the text of the Special Provision Items, shall mean the Special Provisions of this Contract.

Payment will only be made for items in the Bid Proposal. Other items may be included in the Standard or Technical Specifications but payment for those items not listed in the Bid Proposal will be included in the cost of other items of work. Bid Proposal Items may have alphanumeric designations consistent with applicable sections or articles in the Standard or Technical Specifications.

## **Section I; GENERAL**

The Special Provisions shall consist of the improvement plans for the respective project, the construction notes included with the Improvement plans, and the following specifications included with these special provisions. In case of conflict with Standard Specifications, the Special Provisions shall take precedence and shall govern.

All work pertaining to the following special provisions in Section 1 shall not have specific pay items assigned to them; therefore the cost performing this work shall be included in the cost of the contract.

NOTIFICATIONS. The Contractors will notify the utility companies, governing agencies, Owner and Engineer in writing prior to commencing any work within the Project. The Engineering Department (203) 315-0606 and the Town Public Works Department (203) 488-4156 shall be notified at least two (2) working day prior to the commencement of work.

COOPERATION BETWEEN CONTRACTORS. Each Contractor shall cooperate with all other Contractors and the Owner in the execution of his work to avoid interference that might arise if this were not done. Where this is not done, the Owner reserves the right to have necessary changes made to avoid interference. Such changes are to be made at the expense of the Contractors responsible.

PROVISIONS FOR PUBLIC CONVENIENCE AND SAFETY. Construction along existing roadways shall be coordinated with the Town and/or State having jurisdiction to insure that the convenience and safety of the general public and of residents along the roadway shall be provided for in an adequate and satisfactory manner. At no time shall the existing roadways be closed to traffic, unless approved by the Town and/or State having jurisdiction. During construction operations access shall be provided to private property along existing roadways. The Contractors shall be responsible for the installation and maintenance of adequate signs, barricades, steel plating, and warning devices to inform and protect the public.

CONNECTIONS TO EXISTING SERVICES. The Contractors shall make all temporary and permanent connections of every kind to all services and equipment needed (water, power, etc.) at his own expense and to the satisfaction of the Utility Company, the Town and/or State having jurisdiction.

EXISTING UNDERGROUND STRUCTURES AND UTILITIES. The drawings may show the locations of certain underground and overhead utility lines, water mains, gas mains, telephone lines, electric lines, and sewers according to information available in the field and in records. This information is not deemed to be complete. It is the express responsibility of the Contractor to determine the exact location and elevation of all existing facilities, pipes, and lines, and to provide for their proper protection, support and maintenance during all construction operations.

Whenever existing utility lines of any nature are encountered which conflict in location or elevation with proposed construction, the Contractor shall notify the Engineering Department who will assist in arranging for their removal or relocation.

RESTORATION. Contractor is to restore all unpaved areas damaged during construction operation to their original condition including the fine grading and hydro seeding of areas within the easements and right-of-ways. Any existing curb, pavement or sidewalk disturbed during construction is to be replace as required to the satisfaction of the Town or Governmental Agency having jurisdiction.

CONTRACT TIME AND LIQUIDATED DAMAGES. Work shall be completed within 30 days from the Notice to Proceed. The Contractor shall pay to the Town for each and every calendar day (including Saturdays, Sundays, and holidays) that they shall be in default in completing the entire work in the time stipulated the sum of Three Hundred Dollars (\$300.00) per day. The Town shall have the right to deduct the amount of any such damages from any monies due to the Contractor under this contract.

## **Section II; SPECIAL PROVISIONS**

### **STANDARD SPECIFICATIONS.**

The following Standard Specifications as included in Form 818 shall be made part of this contract.

<b><i>ITEM No.</i></b>	<b><i>DESCRIPTION</i></b>
1210105	Epoxy Resin Pavement Markings, Symbols and Legends

### **SPECIAL PROVISIONS**

The following Special Provisions shall be made part of this contract:

<b><i>ITEM No.</i></b>	<b><i>DESCRIPTION</i></b>
0202000A	Earth Excavation
0209001A	Formation of Subgrade
0406170A	HMA S1.0
0406171A	HMA S0.5
0813001A	Stone Curbing
<b><i>ITEM No.</i></b>	<b><i>DESCRIPTION (Cont.)</i></b>



0813011A	Curved Stone Curbing
0921001A	Concrete Sidewalk
0921024A	Concrete Paver Sidewalk – Heavy Duty
0970006A	Trafficperson (Municipal Police Officer)
0970007A	Trafficperson (Uniformed Flagger)
0971001A	Maintenance and Protection of Traffic

## **SPECIAL PROVISIONS**

### **Item 0202000A – Earth Excavation**

Section 2.02 is supplemented as follows:

**Article 02.02.04 – Method of Measurement.** Earth Excavation, cutting of bituminous concrete or concrete, removal and disposal of bituminous pavement or curbing, proper disposal of surplus materials, equipment, tools, materials and labor incidental thereto shall not be measured for payment but considered incidental to the contract items.

**Article 02.02.05 – Basis of Payment.** All earth excavation, cutting of bituminous concrete or concrete, removal and disposal of existing bituminous pavement or curbing, proper disposal of surplus materials, equipment, tools, materials and labor incidental thereto shall not be paid for as an item but considered incidental to the contract items.

### **Item 0209001A – Formation of Subgrade**

Section 2.09 is supplemented as follows:

**Article 02.09.05 – Basis of Payment.** All formation of subgrades, proper disposal of surplus materials, additional granular material, equipment, tools, materials and labor incidental thereto shall not be paid for as an item but considered incidental to the contract items.

### **Items 0406170A, and 0406171A – HMA S1.0, S0.5**

Section 4.06 is supplemented as follows:

**Article 4.06.03** – If more than 3 days passes between the placement of binder course and surface course, tack coat material shall be furnished and applied to the binder course.

#### **Article 4.06.04 – Method of Measurement:**

4. **Cut Bituminous Concrete Pavement** shall not be measured for payment but considered incidental to the contract.
5. **Material for Tack Coat** shall not be measured for payment but considered incidental to all HMA contract items.

**Article 4.06.05 – Basis of Payment:**

4. **Cut Bituminous Concrete Pavement** shall not be paid for but considered incidental to the contract.
5. **Material for Tack Coat** shall not be paid for but considered incidental to all HMA contract items

**Items 0813001A and 0813011A – Stone Curbing**

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Section 8.13 is supplemented as follows:

**Article 8.13.03 – Construction Methods:**

2. The curbing shall be set on edge and settled into place to the line and grade required, straight and true for the full depth. Curbing shall be backfilled with Class C concrete, as shown on the plans. The joints of the stone curbing shall be pointed with mortar for the full depth of the curbing. At approximately 50-ft intervals, a 1/2-in joint shall not be filled with mortar but left free for expansion. The ends of the stone curbing at driveways and intersections shall be cut at a bevel or rounded, as directed by the Engineer.
3. Temporary patch shall be provided as required by the Town of Branford as applicable, as shown on the plans or as directed by the Engineer.

**Article 8.13.05 – Basis of Payment.** Sawcutting, excavation, proper disposal of surplus materials, concrete backfill, temporary patching, tack coat materials, equipment, tools, materials and labor incidental thereto shall not be paid for but considered incidental to this item.

**Item 0921001A – Concrete Sidewalks**

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Section 9.21 is supplemented as follows:

**9.21.01 – Description:** This item shall consist of Portland cement concrete base construction on a gravel or reclaimed miscellaneous aggregate base course in the locations and to the dimensions and details shown on the plans or as ordered and in accordance with these specifications.

**Article 09.21.02 – Materials** is supplemented with the following:

Materials for this work shall meet the requirements of Section M.03 for Class “C” Concrete

Processed Aggregate Base shall meet the requirements of Section M.05.01

Welded Wire Fabric shall meet the requirements of Section M.06.01

**Article 09.21.03 – Construction Methods** is supplemented with the following:

4. Materials for this work shall meet the requirements of Section M.03 for Class “C” Concrete.

**Article 09.21.04 – Method of Measurement** is supplemented with the following:

3. Processed aggregate base shall not be measured for payment, but the cost shall be considered as included in the price bid for the sidewalk.
6. Construction staking and welded wire reinforcement is considered incidental to the contract and should be included in the total cost for the project.

**Item 0921024A – Concrete Paver Sidewalk – Heavy Duty**

This item shall consist of concrete paver sidewalk constructed on a stone dust leveling base, reinforced concrete base with PVC pipe weeps, and processed aggregate base in the locations and to the dimensions shown on the plans or as directed by the Engineer. This work shall include all PVC pipe, geotextile fabric, and welded wire fabric associated with this item.

**Materials:**

Process Aggregate Base shall meet the requirements of Section M.05.01

Concrete materials for this work shall meet the requirements of Section M.03 for Class “C” Concrete.

Welded Wire Fabric shall meet the requirements of Section M.06.01

Stone Dust materials for this work shall be washed, clean, non-plastic, free from deleterious or foreign matter, symmetrically shaped, natural or manufactured from crushed rock that conforms to the grading requirements below. Polymeric Joint Sand for this work shall be installed per manufacturers recommended instructions and shall conform to the following grading requirements:

Grading Requirements for Bedding Sand

ASTM C 33

Sieve Size	Percent Passing
3/8 in. (9.5 mm)	100
No. 4 (4.75 mm)	95 to 100
No. 8 (2.36 mm)	85 to 100
No. 16 (1.18 mm)	50 to 85
No. 30 (0.600 mm)	25 to 60
No. 50 (0.300 mm)	10 to 30
No. 100 (0.150 mm)	2 to 10
No. 200 (0.075 mm)	0 to 1.

### Grading Requirements for Joint Sand

Sieve Size	ASTM C 144 Natural Sand	ASTM C 144 Manufactured
	Percent Passing	Percent Passing
No. 4 (4.75 mm)	100	100
No. 8 (2.36 mm)	95 to 100	95 to 100
No. 16 (1.18 mm)	70 to 100	70 to 100
No. 30 (0.600 mm)	40 to 75	40 to 100
No. 50 (0.300 mm)	10 to 35	20 to 40
No. 100 (0.150 mm)	2 to 15	10 to 25
No. 200 (0.075 mm)	0 to 1	0 to 10

Concrete Pavers: Paver type and pattern shall match existing pavers on the East Main Street Island in the Town of Branford.

- a. Material to comply with material standards set forth in ASTM C 936.
- b. Color to match existing pavers.
- c. Color Pigment to comply with ASTM C 979.
- d. Average Compressive Strength (C140): 8000 psi per ASTM C 140.

Four representative full-size samples of each paver type that indicates the range of color variation, thickness, finish and texture expected in the finished installation shall be provided to the Owner.

Accepted samples shall become the standard of acceptance for the work.

Non-Woven Geotextile Fabric and PVC Pipe shall be as approved by the Owner.

### **Construction Methods:**

**Excavation** shall follow Article 9.21.03.1 of Form 818.

**Processed Aggregate Base** shall follow Article 3.04.03 of Form 818.

**Concrete Base** shall be constructed in accordance with Section 9.21 of Form 818, as supplemented by the Special Provision 0921001A – Concrete Sidewalks. PVC weeps shall be provided as shown on the plans or as directed by the Owner.

**Paver Installation:** Bedding sand shall be evenly spread over the base course and screed to a nominal 1 in. thickness. Spread bedding sand evenly over the base course and screed rails, using the rails and/or edge restraints to produce a nominal 1 in. thickness.

Screeded area shall not substantially exceed that which is covered by pavers in one day. Do not use bedding sand to fill depressions in the base surface.

Lay pavers in pattern(s) as approved by the Engineering Department. Place units hand tight without using hammers. Make horizontal adjustments to placement of laid pavers with rubber hammers and pry bars as required.

Proved joints between pavers between 1/16 in. and 3/16 in. wide. Joint lines shall not deviate more than  $\pm 1/2$  in. over 50 ft. from string lines.

Fill gaps at the edges of the paved area with cut pavers or edge units. Adjust bond pattern at pavement edges such that cutting of edge pavers is minimized. All cut pavers exposed to vehicular tires shall be no smaller than one-third of a whole paver.

Use a low-amplitude plate compactor capable of at least minimum of 4,000 lbf at a frequency of 75 to 100 Hz to vibrate the pavers into the sand. Remove any cracked or damaged pavers and replace with new units.

Simultaneously spread, sweep and compact joint sand into joints continuously unit full. This will require at least 4 to 6 passes with a plate compactor. Do not compact within 6 ft. of unrestrained edges of paving units. Polymeric joint sand shall be finished per manufacturers specifications.

All work within 6 ft. of the laying face shall be left fully compacted with sand-filled joints at the end of each day. Cover the laying face or any incomplete areas with plastic sheet overnight if not closed with cut and compacted pavers with joint sand to prevent exposed bedding sand from becoming saturated from rainfall.

Remove excess sand from surface when installation is complete. Surface shall be broom clean after removal of excess joint sand.

**Method of Measurement.** This work will be measured by the actual number of square feet of completed and accepted concrete paver sidewalk.

**Basis of Payment.** Construction of a concrete paver sidewalk will be paid for at the Contract unit price per square foot for ‘Concrete Paver Sidewalk – Heavy Duty’ complete in place, which price shall include all excavation, formation of subgrades, processed aggregate base, concrete base, welded wire fabric, PVC pipe, geotextile fabric, stone dust base, concrete pavers, proper disposal of surplus materials, equipment, tools, materials and labor incidental thereto.

**Item 0970006A – Trafficperson (Municipal Police Officer)**

---

The Contractor will be required to schedule and request any Municipal Police Officers that may be required. Invoices from the Police Department shall be received by the Contractor and forwarded to the Town for payment.

**9.70.05 – Basis of Payment.** The cost of Trafficperson (Municipal Police Officer) is a pass-through cost without markup or any additional fees.

**Item 0970007A – Trafficperson (Uniformed Flagger)**

---

The Contractor will be required to provide and schedule any Uniformed Flaggers that may be required. All Uniform Flaggers provided for the job shall be certified.

**Basis of Payment.** The cost of Trafficperson (Uniformed Flagger) work shall not be paid for as an item, but considered incidental to the contract.

**Item 0971001A – Maintenance and Protection of Traffic**

---

All traffic control signage and devices shall be incidental to the contract and included in the total cost for the project. The following conditions shall be met by the Contractor in reference to all Traffic Control and Protection provisions of this contract:

1. The Contractor may not close any street during any operations without explicit approval from the Town and State DOT.
2. The Contractor shall allow all local traffic to travel on all streets and to allow vehicular access to private property within the scope of these improvements except where traffic control devices expressly forbid such access.
3. All placements of signage and barricades shall be in accordance with the 818 and Manual on Uniform Traffic Control Devices (MUTCD).

**Basis of Payment.** This work shall not be paid for as an item, but considered incidental to the contract.

## TOWN OF BRANFORD

### Bid Proposal Sheet

#### Bid Proposal for: West Main Street Island

We hereby propose to furnish all labor and materials required for the above reference project in accordance with the instructions to bidders, requires for proposal, plans and specifications.

We hereby propose to furnish all labor, equipment and materials required by the contract documents as follows:

WEST MAIN STREET ISLAND				
ITEM NO	DESCRIPTION	ENGINEER'S EST. QTY.	UNIT PRICE	EXT. AMOUNT
1	HMA (S1.0)	3 TONS		
2	HMA (S0.5)	2 TONS		
3	STONE CURBING (STRAIGHT)	105 LF		
4	STONE CURBING (CURVED)	15 LF		
5	CONCRETE PAVER SIDEWALK- HEAVY DUTY	525 SF		
6	4" EPOXY WHITE LINE STRIPING	150 LF		
TOTAL BASE BID PRICE			\$	
WRITTEN BASE BID PRICE				

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

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

Company Contact Person  
& Phone Number: \_\_\_\_\_

Minimum Rates and Classifications for  
Heavy/Highway Construction

ID#: 23-52449

Connecticut Department of Labor  
Wage and Workplace Standards

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

Project Number:  
State#:  
Project: West Main Street Island Revitalization

Project Town: Branford  
FAP#:

CLASSIFICATION	Hourly Rate	Benefits
1) Boilermaker	45.21	29.05
1a) Bricklayer, Cement Masons, Cement Finishers, Plasterers, Stone Masons	39.92	34.47
2) Carpenters, Piledrivermen	37.61	27.61
2a) Diver Tenders	37.61	27.61
3) Divers	46.07	27.61
03a) Millwrights	38.02	28.41
4) Painters: (Bridge Construction) Brush, Roller, Blasting (Sand, Water, etc.), Spray	56.25	25.15
4a) Painters: Brush and Roller	37.62	24.55
4b) Painters: Spray Only	40.62	24.55

As of: September 10, 2023



4c) Painters: Steel Only	39.62	24.55
4d) Painters: Blast and Spray	40.62	24.55
4e) Painters: Tanks, Tower and Swing	39.62	24.55
4f) Elevated Tanks (60 feet and above)	46.62	24.55
5) Electrician (Trade License required: E-1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	42.6	33.21+3% of gross wage
6) Ironworkers: Ornamental, Reinforcing, Structural, and Precast Concrete Erection	42.37	40.02 + a
7) Plumbers (Trade License required: (P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2) and Pipefitters (Including HVAC Work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4 G-1, G-2, G-8, G-9)	48.28	35.50
----LABORERS---- -		
8) Group 1: General Laborers and concrete specialist	33.5	25.59
8) Group 1a: Acetylene Burners (Hours worked with a torch)	34.5	25.59
9) Group 2: Chain saw operators, fence and guard rail erectors, pneumatic tool operators, powdermen	33.75	25.59
10) Group 3: Pipelayers	34.0	25.59
11) Group 4: Jackhammer/Pavement breaker (handheld); mason tenders (cement/concrete), catch basin builders, asphalt rakers, air track operators, block paver, curb setter and forklift operators	34.0	25.59

**As of:** September 10, 2023

12) Group 5: Toxic waste removal (non-mechanical systems)	35.5	25.59
13) Group 6: Blasters	35.25	25.59
Group 7: Asbestos/lead removal, non-mechanical systems (does not include leaded joint pipe)	36.5	25.59
Group 8: Traffic control signalmen	20.1	25.59
Group 9: Hydraulic Drills	34.25	25.59
Group 10: Toxic Waste Removers A or B With PPE	36.5	25.59
----LABORERS (TUNNEL CONSTRUCTION, FREE AIR). Shield Drive and Liner Plate Tunnels in Free Air.----		
13a) Miners, Motormen, Mucking Machine Operators, Nozzle Men, Grout Men, Shaft & Tunnel Steel & Rodmen, Shield & Erector, Arm Operator, Cable Tenders	35.73	25.59 + a
13b) Brakemen, Trackmen, Miners' Helpers and all other men	34.76	25.59 + a
----CLEANING, CONCRETE AND CAULKING TUNNEL----		
14) Concrete Workers, Form Movers, and Strippers	34.76	25.59 + a
15) Form Erectors	35.09	25.59 + a
----ROCK SHAFT LINING, CONCRETE, LINING OF SAME AND TUNNEL IN FREE AIR:----		

16) Brakemen, Trackmen, Tunnel Laborers, Shaft Laborers, Miners Helpers	34.76	25.59 + a
17) Laborers Topside, Cage Tenders, Bellman	34.65	25.59 + a
18) Miners	35.73	25.59 + a
----TUNNELS, CAISSON AND CYLINDER WORK IN COMPRESSED AIR: ----		
18a) Blaster	42.22	25.59 + a
19) Brakemen, Trackmen, Groutman, Laborers, Outside Lock Tender, Gauge Tenders	42.02	25.59 + a
20) Change House Attendants, Powder Watchmen, Top on Iron Bolts	40.04	25.59 + a
21) Mucking Machine Operator, Grout Boss, Track Boss	42.81	25.59 + a
----TRUCK DRIVERS----(*see note below)		
Two Axle Trucks, Helpers	32.16	30.51 + a
Three Axle Trucks; Two Axle Ready Mix	32.27	30.51 + a
Three Axle Ready Mix	32.33	30.51 + a
Four Axle Trucks	32.39	30.51 + a
Four Axle Ready-Mix	32.44	30.51 + a

**As of:** September 10, 2023

Heavy Duty Trailer (40 tons and over)	34.66	30.51 + a
Specialized earth moving equipment other than conventional type on-the road trucks and semi-trailer (including Euclids)	32.44	30.51 + a
Heavy Duty Trailer (up to 40 tons)	33.39	30.51 + a
Snorkle Truck	32.54	30.51 + a
----POWER EQUIPMENT OPERATORS----		
Group 1: Crane Handling or Erecting Structural Steel or Stone, Hoisting Engineer (2 drums or over). (Trade License Required)	52.78	27.80 + a
Group 1a: Front End Loader (7 cubic yards or over); Work Boat 26 ft. and over.	48.37	27.80 + a
Group 2: Cranes (100 ton rate capacity and over); Bauer Drill/Caisson. (Trade License Required)	52.41	27.80 + a
Group 2a: Cranes (under 100 ton rated capacity).	51.51	27.80 + a
Group 2b: Excavator over 2 cubic yards; Pile Driver (\$3.00 premium when operator controls hammer).	48.0	27.80 + a
Group 3: Excavator; Gradall; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar); Grader Operator; Bulldozer Fine Grade (slopes, shaping, laser or GPS, etc.). (Trade License Required)	47.1	27.80 + a
Group 4: Trenching Machines; Lighter Derrick; CMI Machine or Similar; Koehring Loader (Skooper).	46.64	27.80 + a
Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Spreader; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps;	45.92	27.80 + a

**As of:** September 10, 2023

Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" mandrel)

Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller.	45.92	27.80 + a
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Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	45.55	27.80 + a
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Group 7: Asphalt Roller; Concrete Saws and Cutters (ride on types); Vermeer Concrete Cutter; Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and under Mandrel)	45.14	27.80 + a
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Group 8: Mechanic, Grease Truck Operator, Hydroblaster, Barrier Mover, Power Stone Spreader; Welder; Work Boat under 26 ft.; Transfer Machine.	44.67	27.80 + a
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Group 9: Front End Loader (under 3 cubic yards), Skid Steer Loader regardless of attachments (Bobcat or Similar); Fork Lift, Power Chipper; Landscape Equipment (including hydroseeder), Vacuum Excavation Truck and Hydrovac Excavation Truck (27 HG pressure or greater).	44.14	27.80 + a
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Group 10: Vibratory Hammer, Ice Machine, Diesel and Air Hammer, etc.	41.69	27.80 + a
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Group 11: Conveyor, Earth Roller; Power Pavement Breaker (whiphammer), Robot Demolition Equipment.	41.69	27.80 + a
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Group 12: Wellpoint Operator.	41.61	27.80 + a
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Group 13: Compressor Battery Operator.	40.92	27.80 + a
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Group 14: Elevator Operator; Tow Motor Operator (Solid Tire No Rough Terrain).	39.54	27.80 + a
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**As of:** September 10, 2023

Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	39.06	27.80 + a
Group 16: Maintenance Engineer.	38.28	27.80 + a
Group 17: Portable Asphalt Plant Operator; Portable Crusher Plant Operator; Portable Concrete Plant Operator., Portable Grout Plant Operator, Portable Water Filtration Plant Operator.	43.46	27.80 + a
Group 18: Power Safety Boat; Vacuum Truck; Zim Mixer; Sweeper; (minimum for any job requiring CDL license).	40.54	27.80 + a

**\*\*NOTE: SEE BELOW**

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

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

----LINE CONSTRUCTION----

24) Driver Groundmen	30.92	6.5% + 9.70
25) Groundmen	22.67	6.5% + 6.20

**As of:** September 10, 2023

26) Heavy Equipment Operators	37.1	6.5% + 10.70
27) Linemen, Cable Splicers, Dynamite Men	41.22	6.5% + 12.20
28) Material Men, Tractor Trailer Drivers, Equipment Operators	35.04	6.5% + 10.45

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

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

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

Crane with 150 ft. boom (including jib) - \$1.50 extra

Crane with 200 ft. boom (including jib) - \$2.50 extra

Crane with 250 ft. boom (including jib) - \$5.00 extra

Crane with 300 ft. boom (including jib) - \$7.00 extra

Crane with 400 ft. boom (including jib) - \$10.00 extra

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

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

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

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

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

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

*The annual adjustments will be posted on the Department of Labor's Web page:*

*www.ct.gov/dol. For those without internet access, please contact the division listed below.*

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

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

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

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

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

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

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

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

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



# TOWN OF BRANFORD

## WEST MAIN STREET

## ISLAND IMPROVEMENTS

## FINAL DESIGN SUBMISSION



PROJECT SPECIFICATIONS:

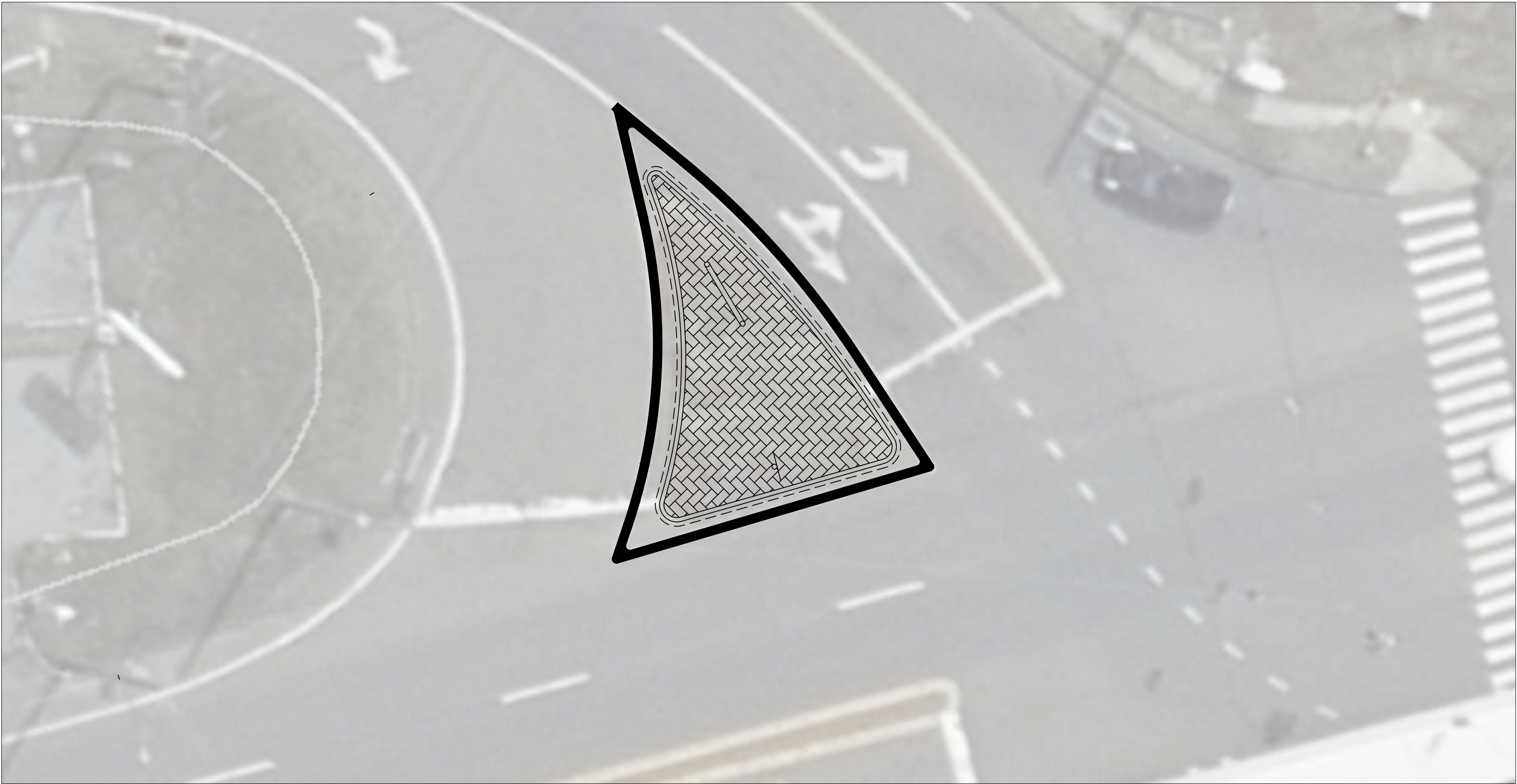
CONNECTICUT DEPARTMENT OF  
TRANSPORTATION SPECIFICATIONS FORM 818  
(2020), SUPPLEMENTAL SPECIFICATIONS DATED  
JANUARY 2022, AND SPECIAL PROVISIONS

DESIGN CRITERIA:

ROAD CLASSIFICATION: URBAN COLLECTOR  
POSTED SPEED LIMIT: 40 MPH  
INTERSECTION SIGHT DISTANCE: 445'


INDEX OF SHEETS:

- 1 - TITLE PAGE
- 2 - EXISTING CONDITIONS
- 3 - INTERSECTION SIGHT DISTANCE
- 4 - ISLAND IMPROVEMENTS
- 5 - STRIPING PLAN
- 6 - STANDARD DETAILS



**JAMES B. COSGROVE**  
**FIRST SELECTMAN**

**JOHN M. HOEFFERLE, PE**  
**TOWN ENGINEER**

	DATE	DESCRIPTION	REV #
1019 MAIN ST P.O. BOX 150 BRANFORD, CT 06405	 <b>TOWN OF BRANFORD ENGINEERING DEPARTMENT</b>		





DATE: 10/24/2022

SCALE: 1"=10'

SUBMITTED BY: JAO

APPROVED BY: JMH

FILE NAME: ISLAND IMPROVEMENTS.DWG


REVISIONS

REVISION NO.	DATE	BY	DESCRIPTION

TOWN OF BRANFORD

WEST MAIN STREET

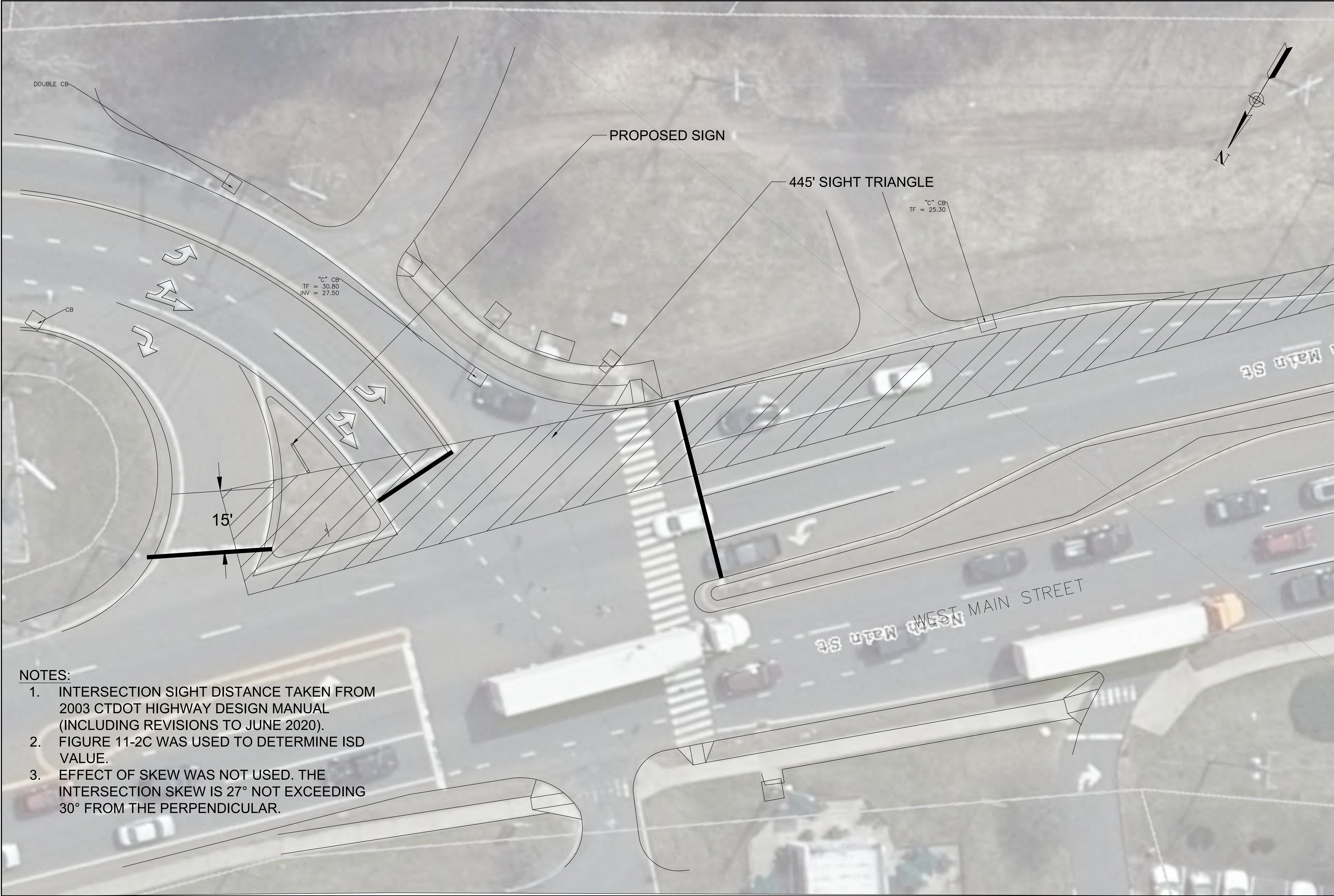
EXISTING CONDITIONS



SHEET


2 OF 8





- NOTES:**
- 1. INTERSECTION SIGHT DISTANCE TAKEN FROM 2003 CTDOT HIGHWAY DESIGN MANUAL (INCLUDING REVISIONS TO JUNE 2020).
  - 2. FIGURE 11-2C WAS USED TO DETERMINE ISD VALUE.
  - 3. EFFECT OF SKEW WAS NOT USED. THE INTERSECTION SKEW IS 27° NOT EXCEEDING 30° FROM THE PERPENDICULAR.

TOWN OF BRANFORD  
WEST MAIN STREET  
INTERSECTION SIGHT DISTANCE



DATE: 10/24/2022

SCALE: 1"=10'

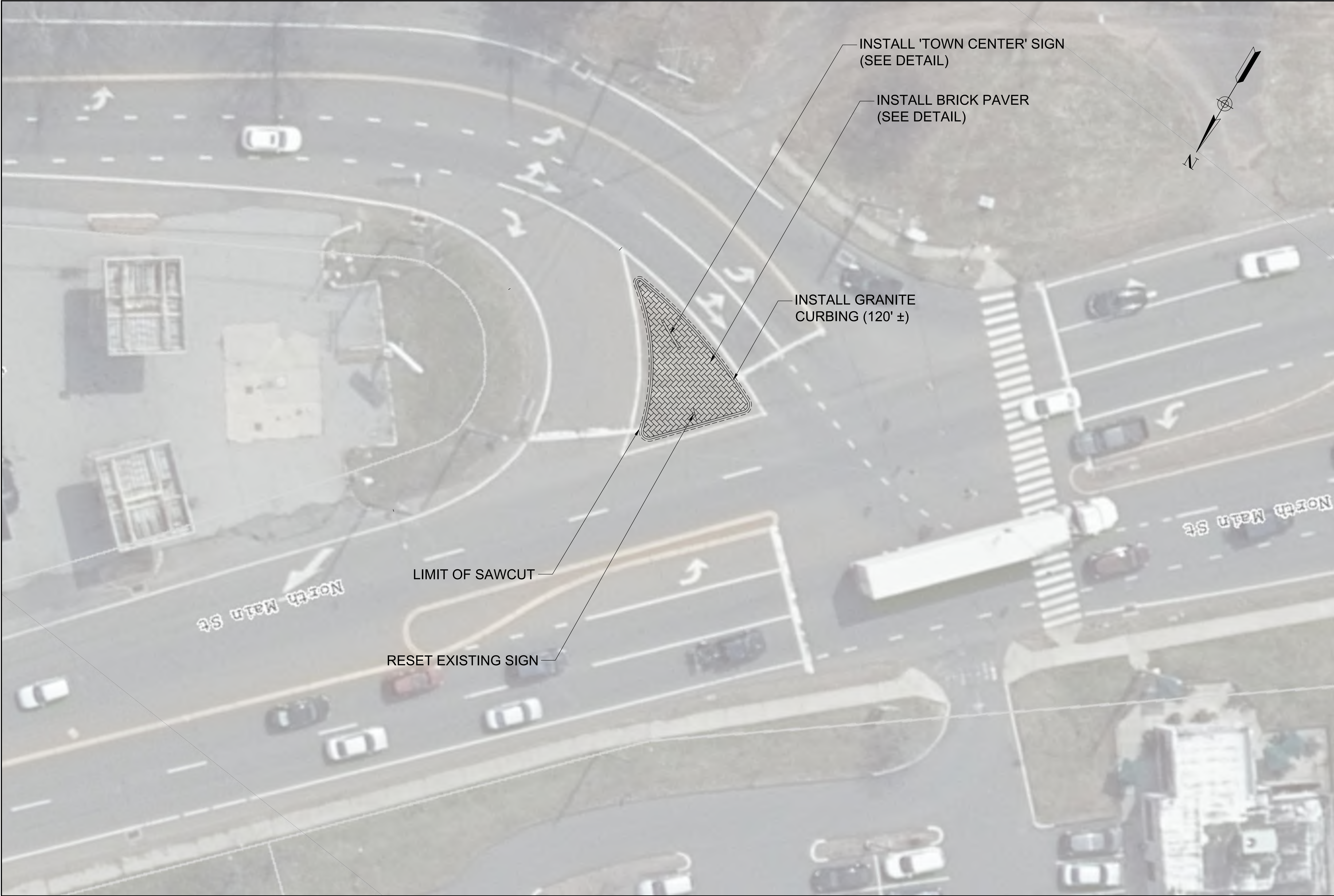
SUBMITTED BY: JAO  
APPROVED BY: JWH  
FILE NAME: ISLAND IMPROVEMENTS.DWG

REVISION NO.	DATE	BY	DESCRIPTION

SHEET

3 OF 8





DATE: 10-25-2022

SCALE: 1"=20'

SUBMITTED BY: JAO

APPROVED BY: JWH

FILE NAME: ISLAND IMPROVEMENTS.DWG


REVISIONS

REVISION NO.	DATE	BY	DESCRIPTION

TOWN OF BRANFORD

WEST MAIN STREET

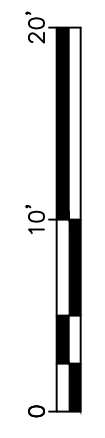
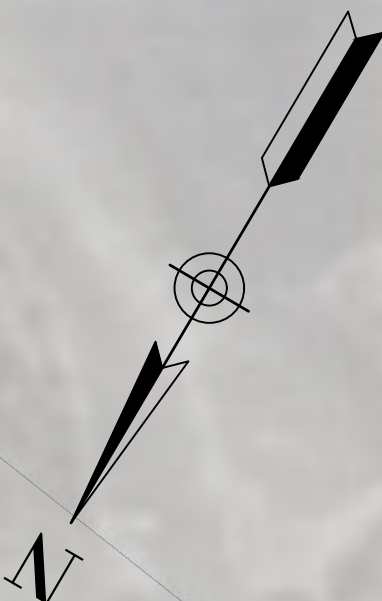
ISLAND IMPROVEMENTS



SHEET

4 OF 8





TOWN OF BRANFORD  
WEST MAIN STREET  
STRIPING PLAN

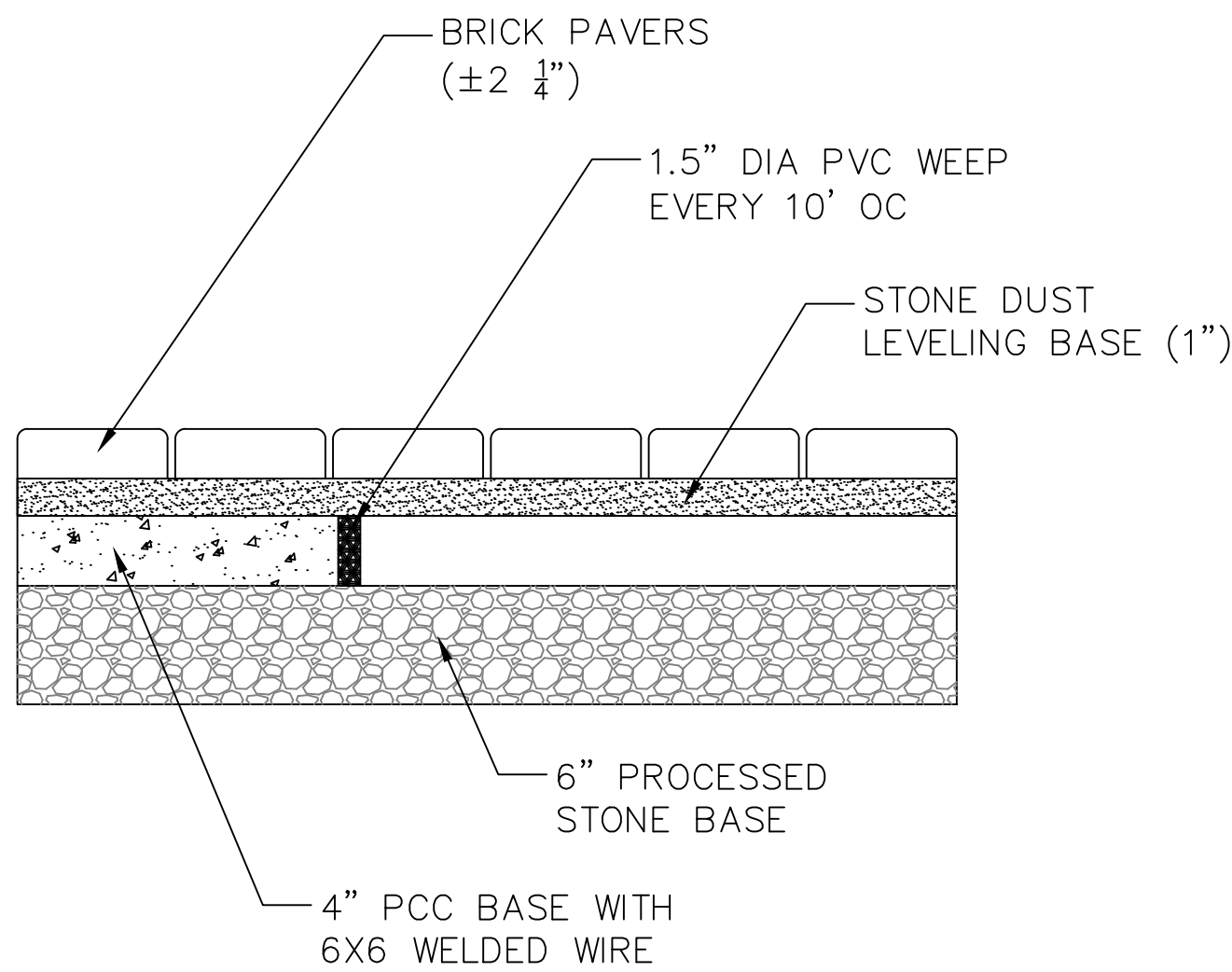


SUBMITTED BY: JAO  
APPROVED BY: JAH  
FILE NAME: ISLAND IMPROVEMENTS.DWG  
DATE: 05-26-2022  
SCALE: 1"=20'

REVISIONS		DESCRIPTION	
REVISION NO.	DATE	BY	DESCRIPTION

- NOTES:
1. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (AS AMENDED).

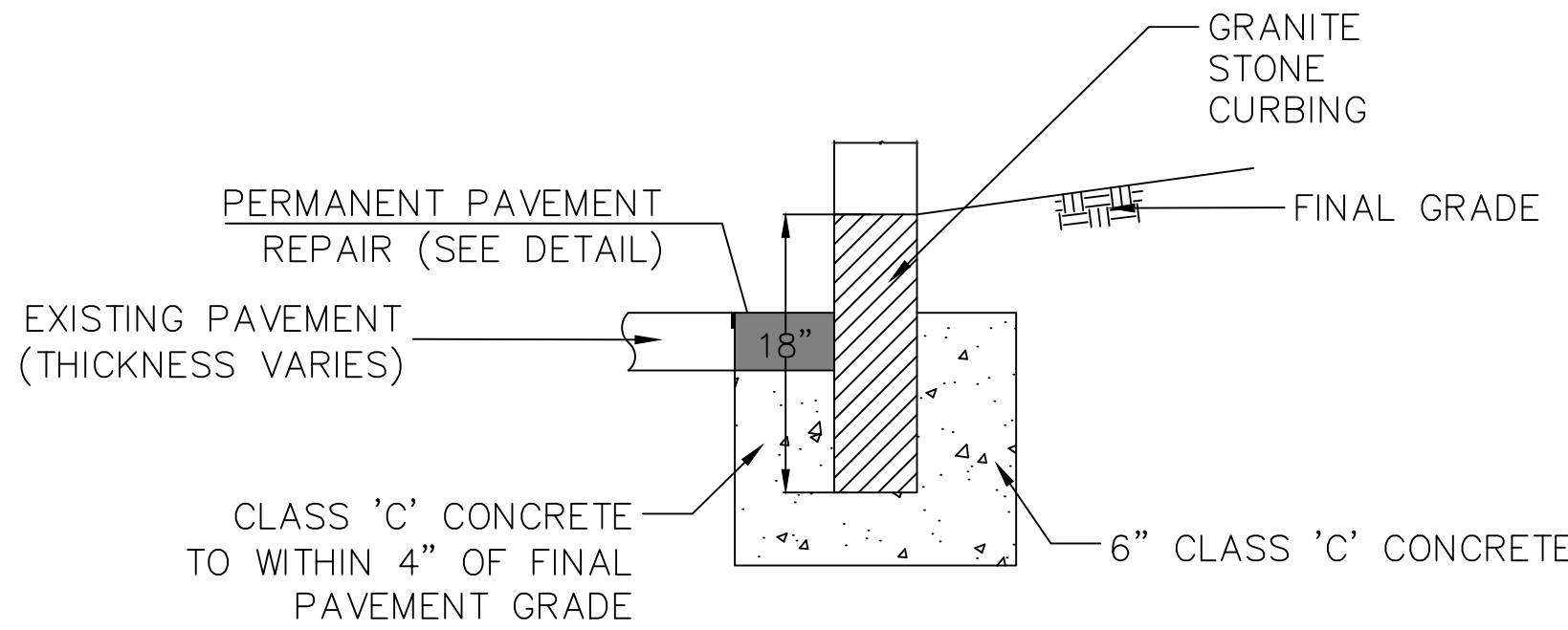




### BRICK OR PAVER SIDEWALK

NOTES:

- 1) SAND BEDDING SHALL BE COMPACTED PRIOR TO THE PLACEMENT OF BRICKS/PAVERS
- 2) ALL JOINTS SHALL BE HAND TIGHT AND NOT TO EXCEED  $\frac{1}{8}$ ". DRY SAND SHALL BE SWEEPED INTO ALL JOINTS
- 3) PORTLAND CEMENT CONCRETE SHALL BE 4000 PSI AND REINFORCED WITH 6X6 WELDED WIRE MESH
- 4) FILTER FABRIC SHALL BE GLUED TO EACH END OF WEEP PIPE PRIOR TO PLACEMENT. CARE MUST BE TAKEN DURING PLACEMENT OF CONCRETE TO PREVENT CLOGGING
- 5) EDGE RESTRAINT SHALL BE PROVIDED ON ALL SIDES OF THE BRICK/PAVER SIDEWALK. RESTRAINT SHALL BE CURBING, SIDEWALK, OR STEEL OR ALUMINUM ANGLE



### GRANITE CURBING

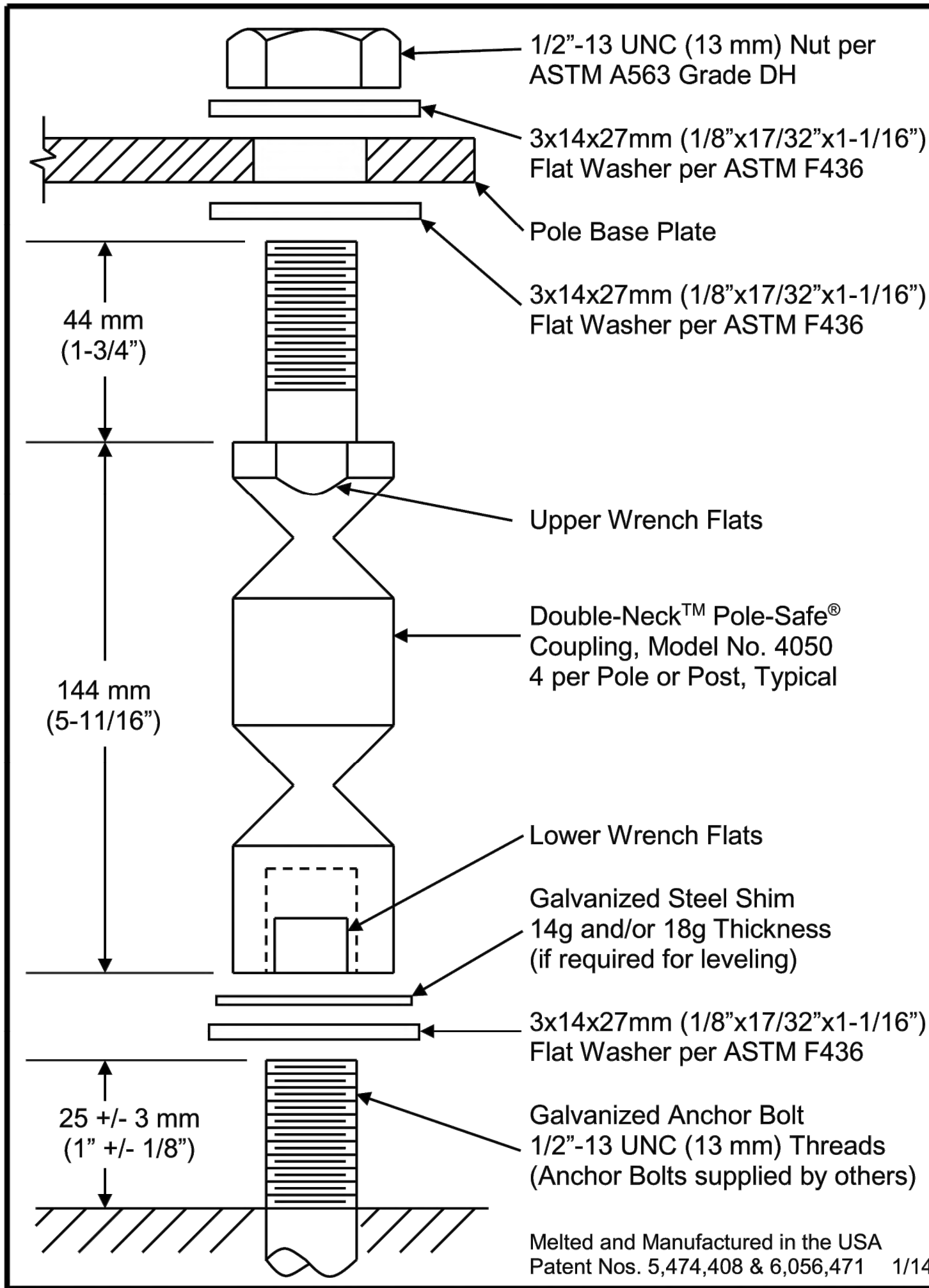
NOTES:

- 1) ALL STONE CURBING SHALL CONFORM TO THE STATE OF CONNECTICUT STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES, AND INCIDENTAL CONSTRUCTION, AS PERIODICALLY AMENDED.
- 2) MINIMUM LENGTH OF STONE CURBING IS 4'
- 3) CURBS OF RADIUS LESS THAN 100' SHALL BE BUILT OF CURVED STONE CURB.
- 4) ALL STONE CURB SHALL BE BACKFILLED WITH CLASS 'C' CONCRETE TO WITHIN 6" OF FINISHED GRADE.
- 5) ALL OPEN BOTTOM JOINTS BETWEEN STRAIGHT SECTIONS OF STONE CURB SHALL BE BACKFILLED WITH CLASS 'C' CONCRETE.
- 6) JOINTS BETWEEN STONE CURB SHALL NOT EXCEED 1/4".



NOTES:

1. TOWN CENTER SIGN TO BE INSTALLED USING BREAKAWAY COUPLINGS ON CONCRETE FOUNDATION. 'POLE-SAFE' OMNI-DIRECTIONAL BREAKAWAY SUPPORT SYSTEM OR APPROVED EQUIVALENT SHALL BE USED TO INSTALL SIGN.



### SPECIFICATIONS

Performance Criteria:

1. Double-Neck™ Pole-Safe® conforms to AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals."
2. Double-Neck™ Pole-Safe® has been crash-tested and FHWA approved in accordance with the requirements of NCHRP Report 350, "Recommended Procedures for the Safety Performance Evaluation of Highway Features."

Physical Properties per Coupling:

1. Ultimate Tensile Strength = 53.8 kN (12.1 kips), minimum.
2. Tensile Yield Strength = 46.5 kN (10.4 kips), minimum.
3. Ultimate Restrained Shear Strength = 2.6 kN (0.6 kips), minimum.
4. Ultimate Restrained Shear Strength = 4.4 kN (1.0 kips), maximum.

Corrosion Protection:

1. All Double-Neck™ Pole-Safe® couplings, nuts, bolts, and washers are galvanized after fabrication in accordance with ASTM A153. All leveling shims are galvanized after fabrication in accordance with ASTM A653.

**Pole-Safe® Model No. 4050**  
Breakaway Support System for Light Poles



20 Jones Street  
New Rochelle, NY 10801  
914-636-1000  
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TOWN OF BRANFORD  
WEST MAIN STREET  
STANDARD DETAILS



DATE: 06-24-2022  
SCALE: N.T.S.

SUBMITTED BY: KAO  
APPROVED BY: JMH  
FILE NAME: ISLAND IMPROVEMENTS.DWG

REVISIONS

BY

DATE

REVISION NO.

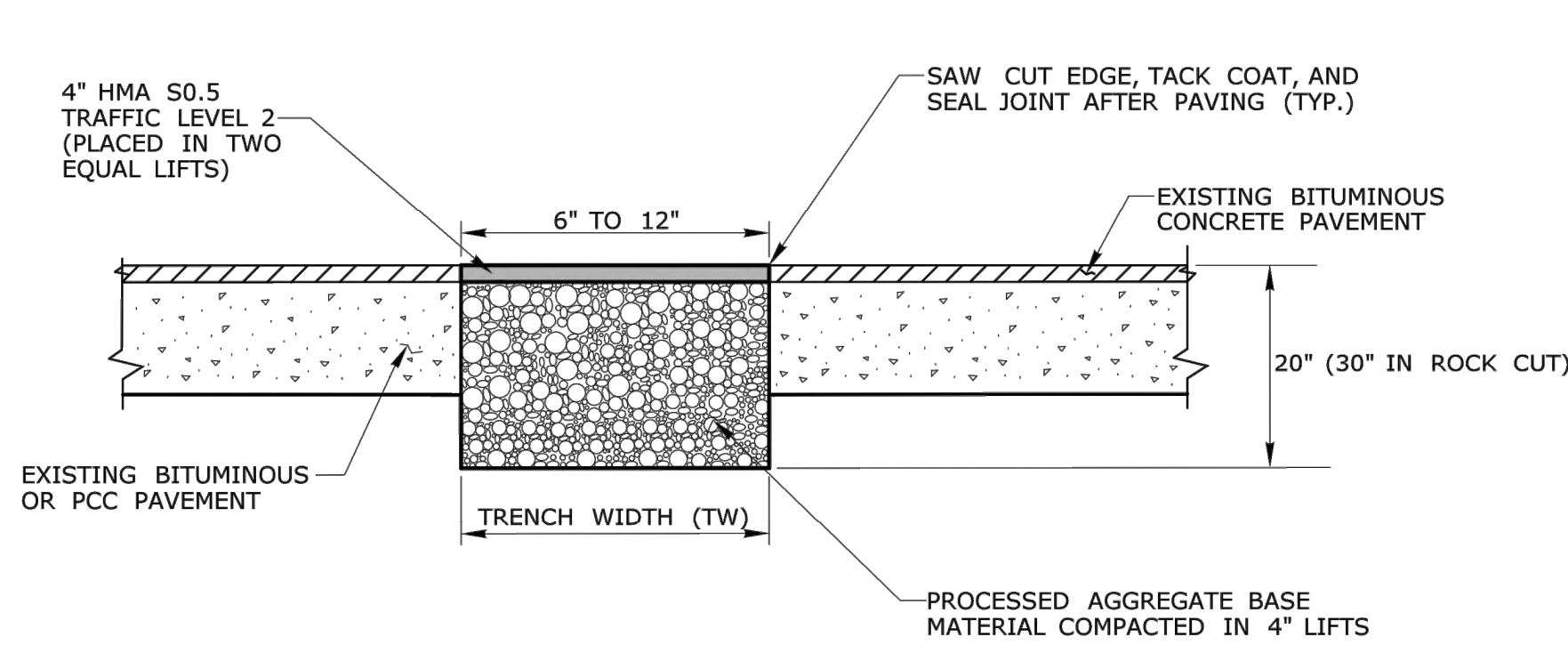
SHEET

6 OF 8

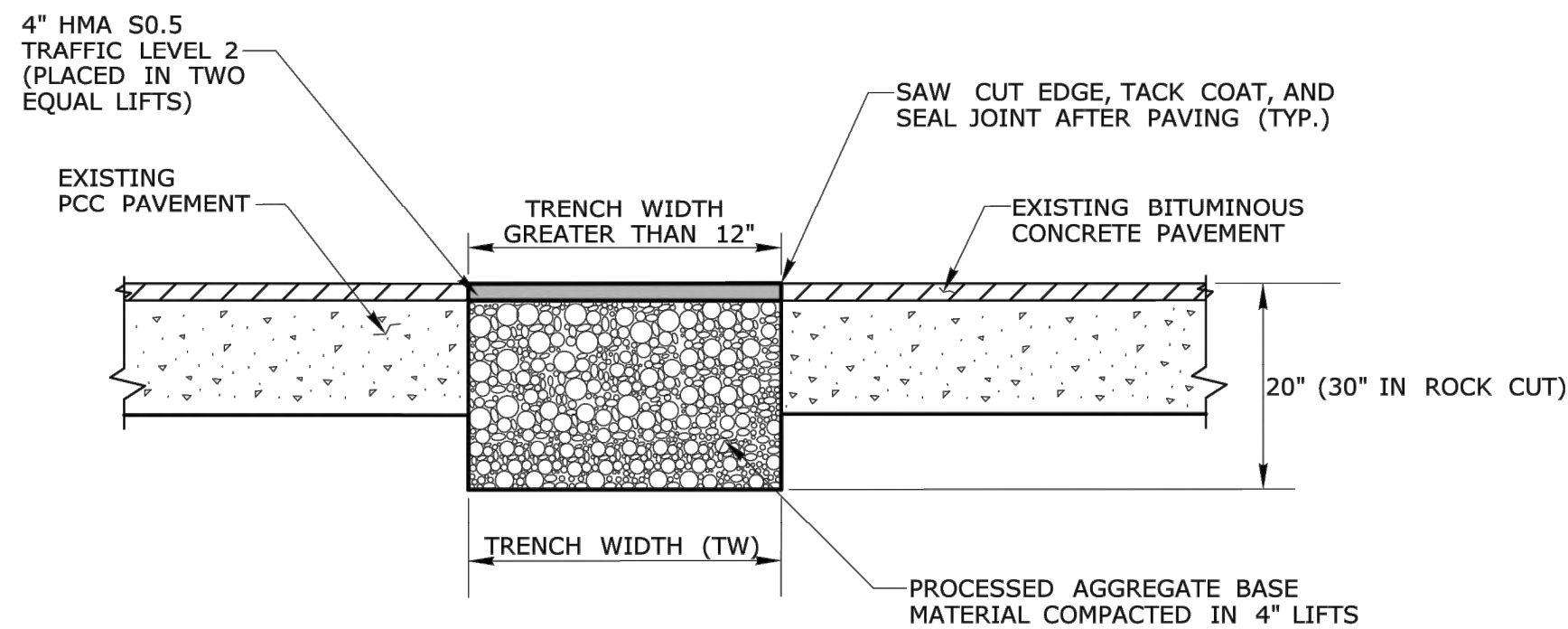




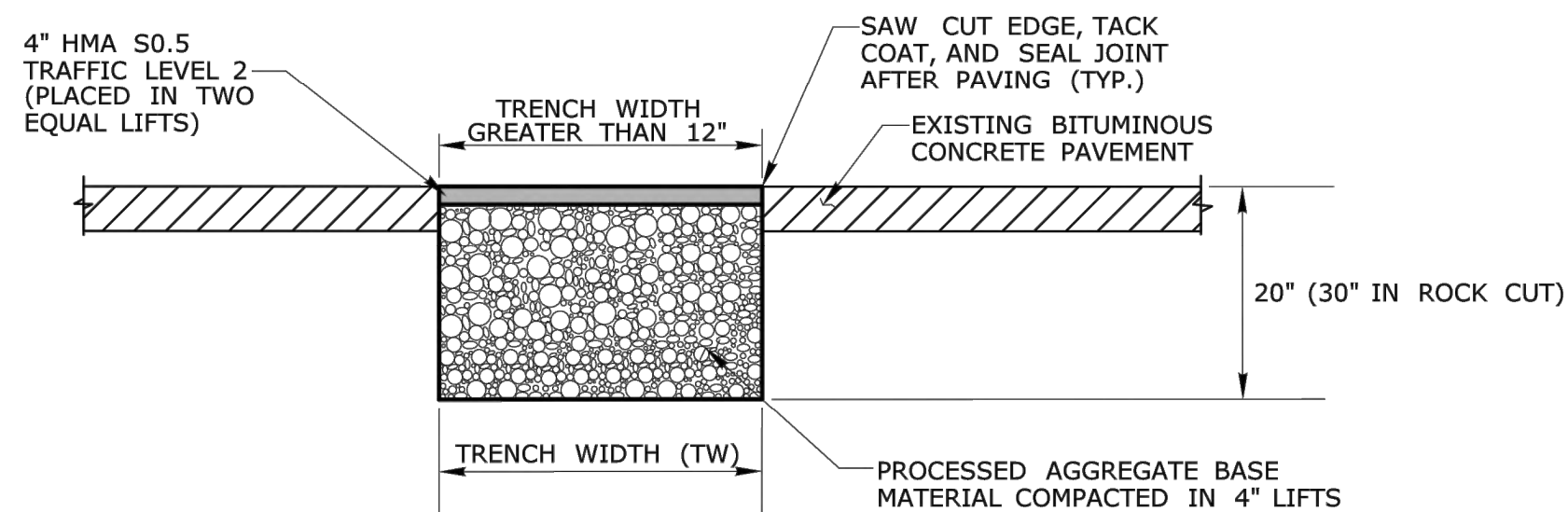




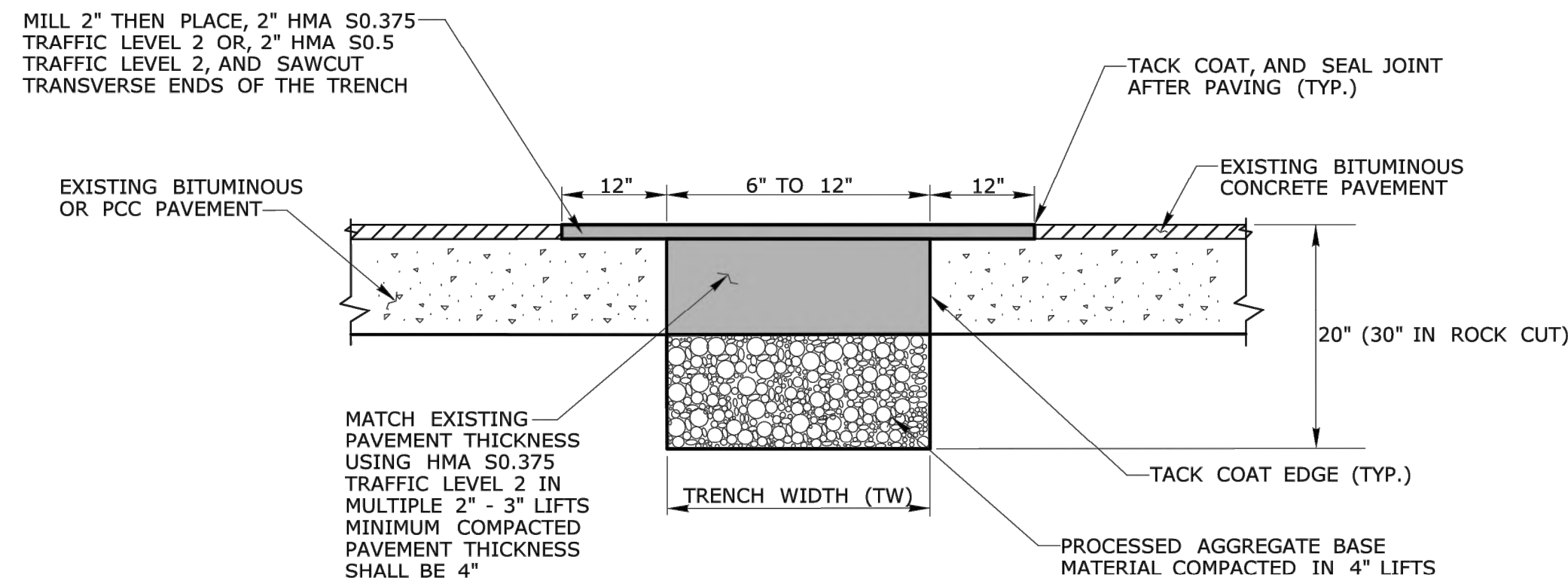
**TEMPORARY PAVEMENT - FOR NARROW TRENCH  
THROUGH BITUMINOUS CONCRETE  
OR OVERLAID PORTLAND CEMENT CONCRETE (PCC)  
(TRENCH WIDTH BETWEEN 6" AND 12")**



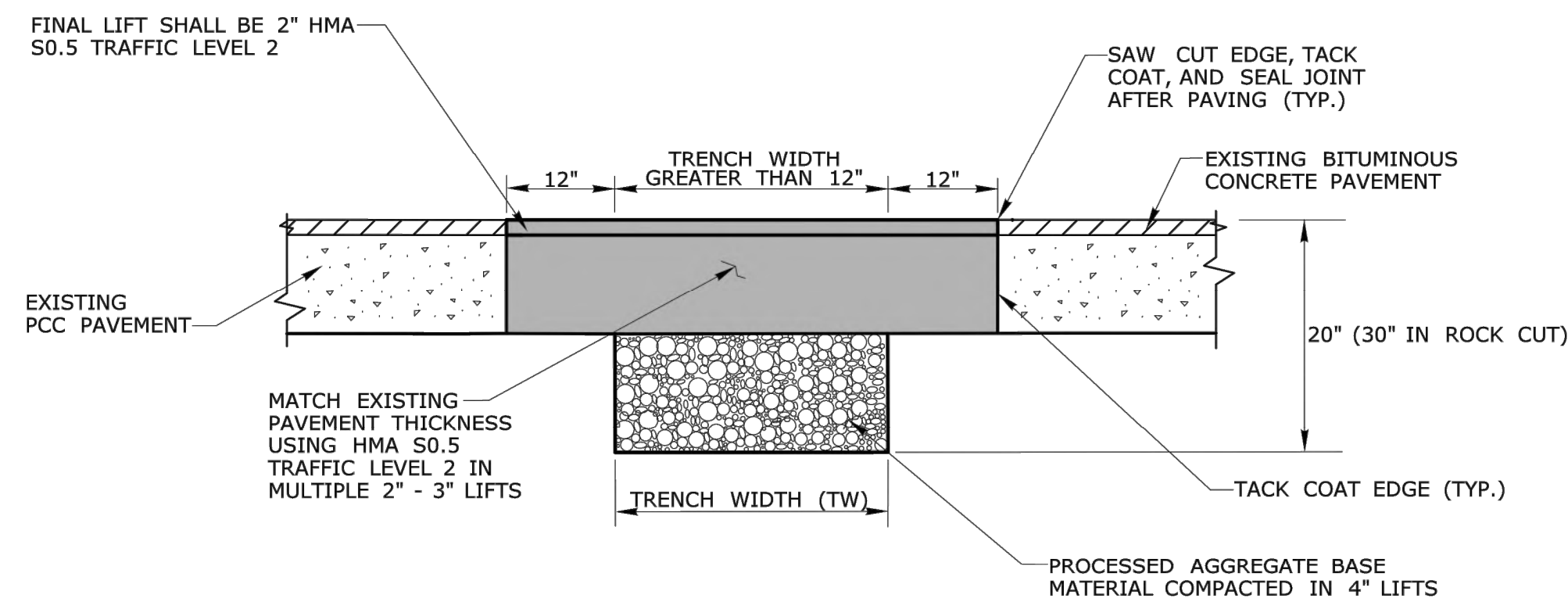
**TEMPORARY PAVEMENT FOR TRENCH  
THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC)  
(TRENCH WIDTH GREATER THAN 12")**



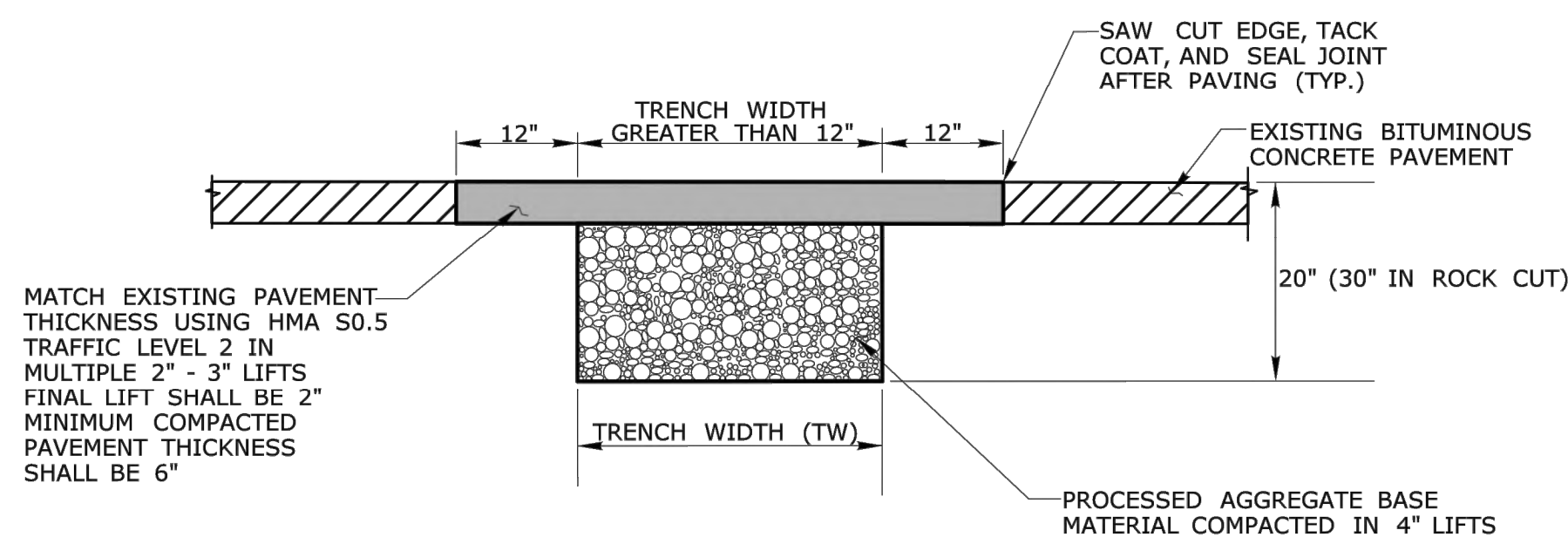
**TEMPORARY PAVEMENT FOR  
TRENCH THROUGH BITUMINOUS CONCRETE  
(TRENCH WIDTH GREATER THAN 12")**



**PERMANENT PAVEMENT - FOR NARROW TRENCH  
THROUGH BITUMINOUS CONCRETE  
OR OVERLAID PORTLAND CEMENT CONCRETE (PCC)  
(TRENCH WIDTH BETWEEN 6" AND 12")**



**PERMANENT PAVEMENT FOR TRENCH  
THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC)  
(TRENCH WIDTH GREATER THAN 12")**



**PERMANENT PAVEMENT FOR  
TRENCH THROUGH BITUMINOUS CONCRETE**

**GENERAL NOTES:**

**1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:**

A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:

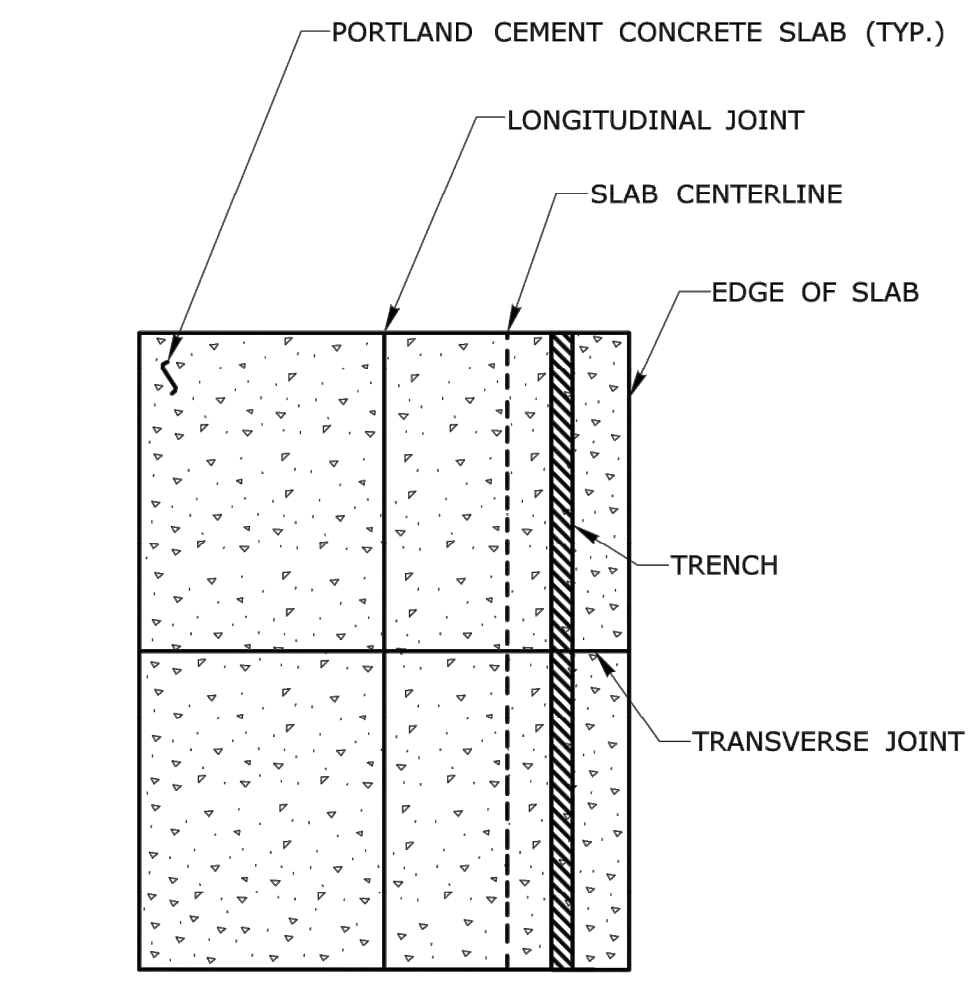
- PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
- PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

**2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:**

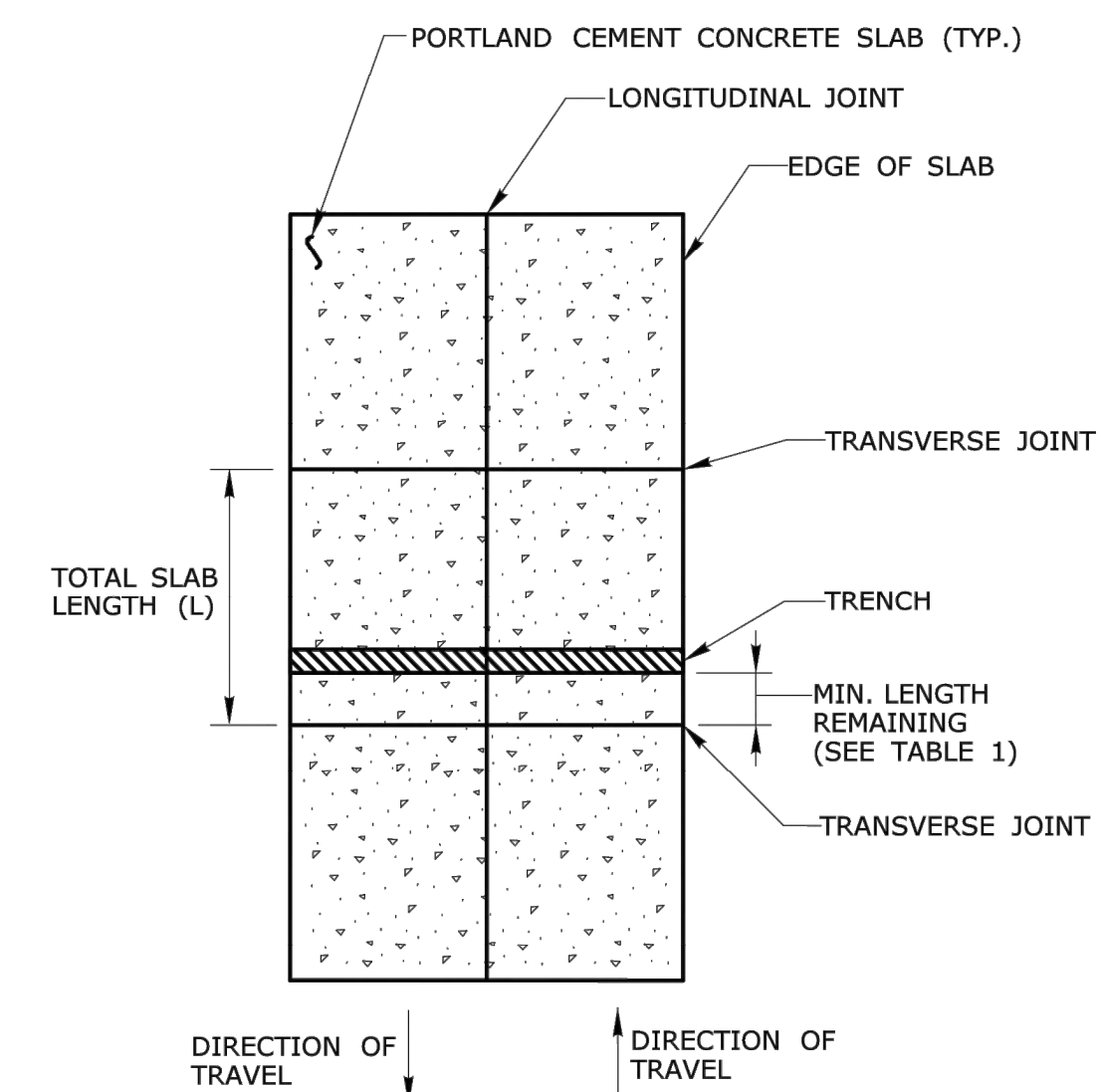
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:

- PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
- PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



**LONGITUDINAL TRENCHING  
FOR JOINTED CONCRETE PAVEMENT  
(SEE NOTE 1)**



**TRANSVERSE TRENCHING  
FOR JOINTED CONCRETE PAVEMENT  
(SEE NOTE 2)**

**DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy**

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019	DESIGNER/DRAFTER: CHECKED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY:	PROJECT TITLE: PAVEMENT REPAIR	TOWN: DRAWING TITLE: PAVEMENT REPAIR	PROJECT NO. DRAWING NO. SHEET NO.
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