

City of Torrington

ENGINEERING DEPARTMENT
(860) 489-2234



140 Main Street • City Hall
Torrington, CT 06790-5245
Fax: (860) 489-2550

ADDENDUM No. 2

DATE ISSUED: April 3, 2019

RE: RECONSTRUCTION OF VARIOUS ROADS

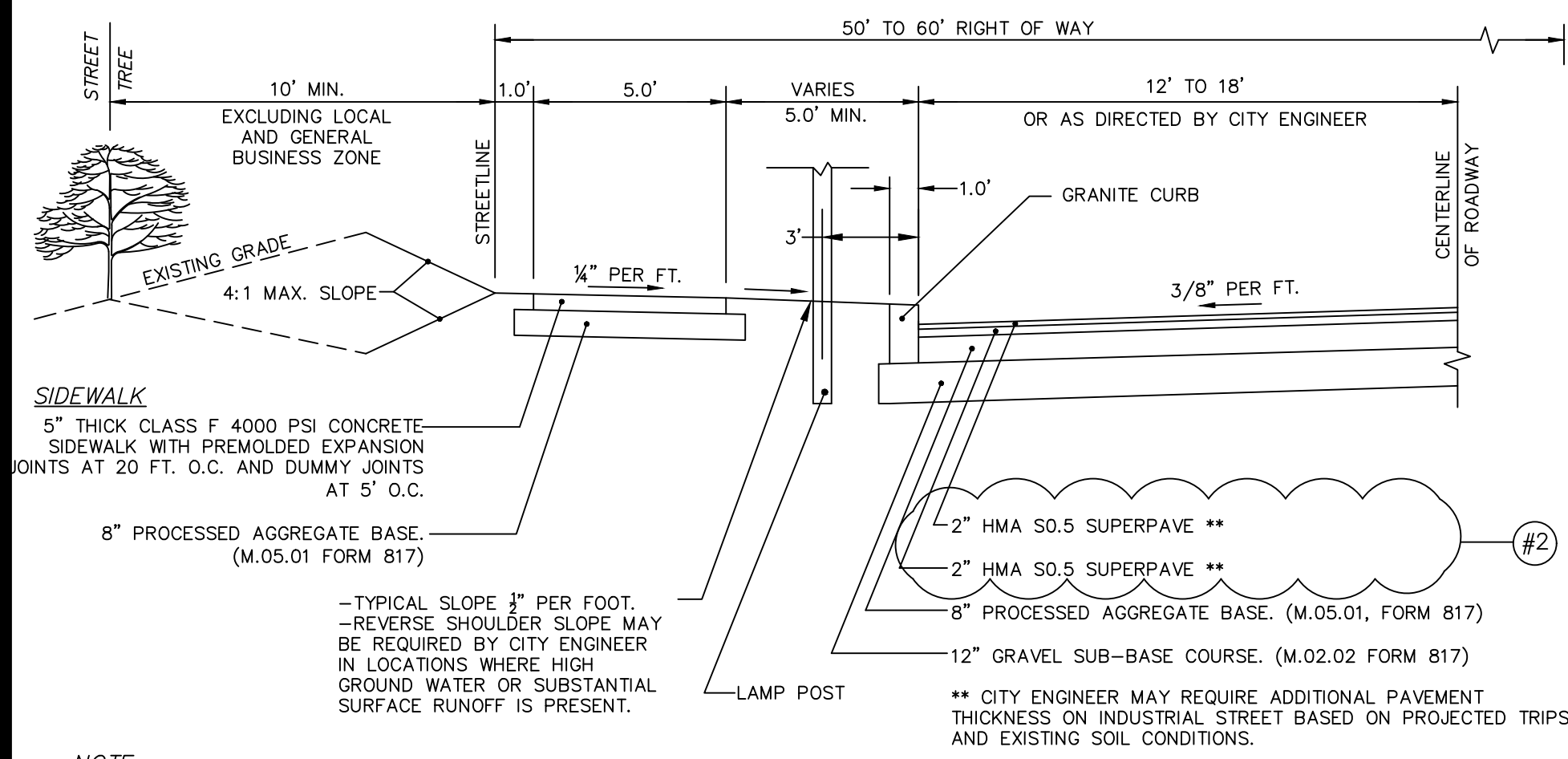
BID # RVR-027-040519

All bidders are hereby advised of the following amendments to the Contract Bid Documents, which are hereby made an integral part of the specifications for the subject project, prepared by The City of Torrington, to the same extent as all other documents. All work shall conform to the standards and provisions of same.

Bids submitted shall be deemed to include the Contract Document information as shown in Addendum No. 2. General bidders shall notify sub-bidders that may be affected by this addendum as applicable. Bidders shall be required to acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form, Page BP-1. Failure to acknowledge this Addendum by the Bidder may result in the rejection of their bid. Bidders are directed to review changes to all portions of the work as changes to one portion may affect the work of another.

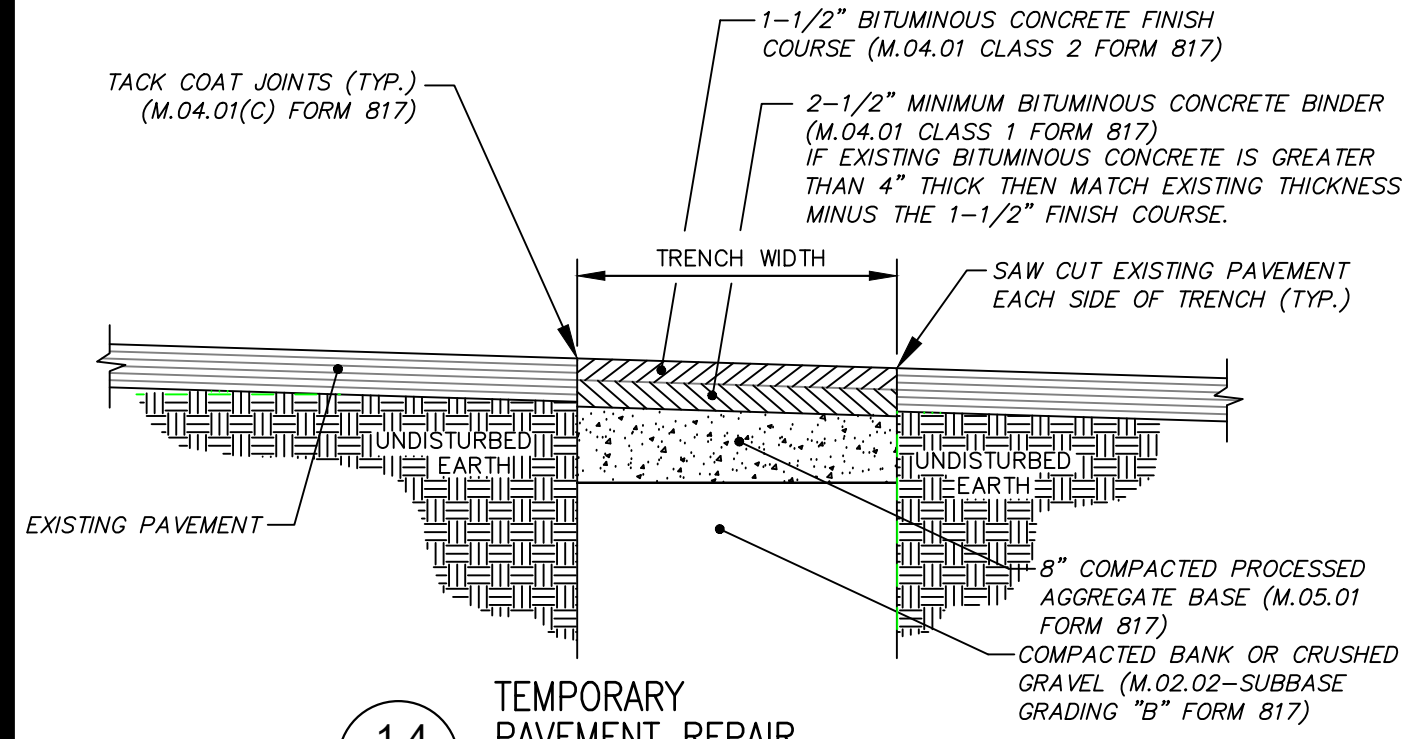
- 1. Replace Sheet SD-1 Standard Details with REVISED Sheet SD-1 noted as “REVISION ADDENDUM #2” April 2, 2019.**
- 2. Replace Sheet C-010 and Sheet C-011 with REVISED Sheet C-010 and C-011 noted as “REVISION ADDENDUM #2” April 2, 2019.**
- 3. Replace entire Bid Form with REVISED Bid Form noted as “REVISION ADDENDUM #2” April 2, 2019.**
- 4. Replace entire Section 9.20 Paving Bituminous Sidewalks and Driveways with REVISED Section 9.20 noted as “REVISION ADDENDUM #2 April 3, 2019.**
- 5. REPLACE THE FIRST PARAGRAPH OF INVITATION TO BID WITH THE FOLLOWING NEW PARAGRAPH: Sealed bids are invited and will be received by the City of Torrington, at the office of the City Purchasing Agent, City Hall, 140 Main Street, Torrington, Connecticut until 11:00 A.M., April 10, 2019 at which time and place they will be publicly opened and read aloud. In the event of the closure of City Hall, the bid will be opened on the following business day that City Hall is opened.**

END OF ADDENDUM No. 2

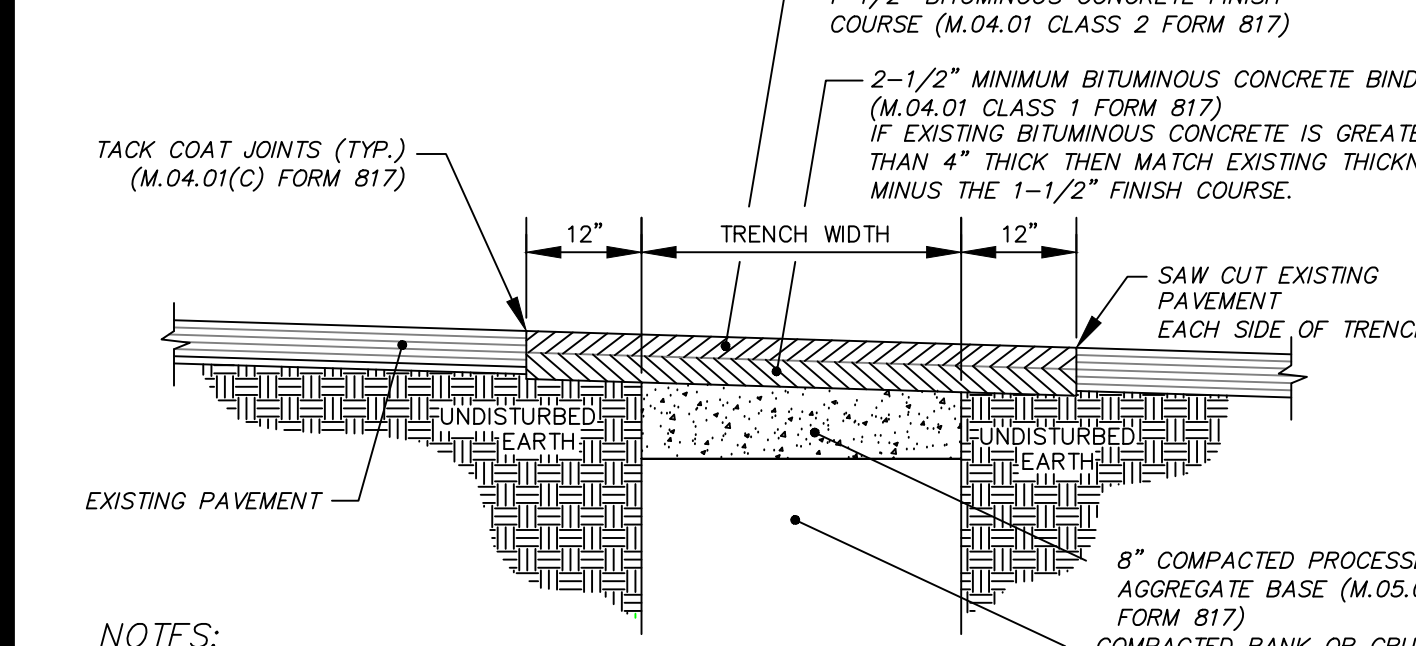


1.1 TYPICAL CITY STREET CROSS SECTION
NTS

NOTE:
IN THE CASE WHERE PLACEMENT OF SURFACE COURSE IS PLANNED TO BE DELAYED MORE THAN 30 DAYS, ALL CATCH BASINS AND MANHOLES WITHIN PAVEMENT AREAS SHALL BE SET FLUSH WITH BINDER SURFACE. THE AREAS ADJACENT TO CATCH BASINS ARE TO BE MILLED TO A DEPTH OF 1 1/2 INCH BY 3 FEET WIDE IMMEDIATELY PRIOR TO PLACEMENT OF FINAL COURSE. MANHOLE FRAMES SHALL BE CUT AND RAISED TO FINAL GRADE PRIOR TO PLACEMENT OF SURFACE COURSE.



1.4 TEMPORARY PAVEMENT REPAIR
NTS



1.5 PERMANENT PAVEMENT REPAIR
NTS

NOTES:
1. PERMANENT PAVEMENT REPAIR SHALL BE COMPLETED BETWEEN 6 AND 12 MONTHS AFTER TEMPORARY PAVEMENT REPAIR IS INSTALLED.
2. SHORING REQUIRED PER OSHA STANDARDS.
3. IF EDGE OF TRENCH IS WITHIN TWO (2) FEET OF CURBED GUTTER LINE OR UNPAVED SHOULDER, THEN REMOVE AND REPLACE PAVEMENT.
4. HMA SUPERPAVE ASPHALT IS TO BE USED IN THIS DETAIL WHEN THE WORK FORMS PART OF A CONTRACT WHERE HMA SUPERPAVE IS SPECIFIED

GENERAL CONCRETE SIDEWALK NOTES:

1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP OR ACCESSIBLE ROUTE SHOULD NOT EXCEED 20:1.
2. CARE SHALL BE TAKEN TO ASSURE UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND ABRUPT GRADE CHANGES.
3. ALL RAMP SHALL BE CONSTRUCTED OF CLASS "F" CONCRETE IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS ARTICLE M.03.01.
4. SIDEWALK RAMP SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. THE SURFACE ALONG ACCESSIBLE ROUTES SHALL BE STABLE, FIRM AND SLIP RESISTANT IN COMPLIANCE WITH ADAAG SECTION 4.5.
5. DIAGONAL SIDEWALK RAMP AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION/CONTRACTION JOINT OR DUMMY JOINT. 12:1 MAY NOT BE ACHIEVABLE DUE TO SIDEWALK GRADE. IN RECOGNITION OF THIS, A MINIMUM LIMIT OF 15' FOR A PARALLEL RAMP SHALL BE USED. REMOVAL SHALL NOT BE FURTHER THAN 2' FROM THE PROPOSED RAMP UNLESS DIRECTED BY THE ENGINEER. SAW CUT REQUIRED FOR DUMMY JOINTS SHALL BE INCLUDED IN THE COST OF "CONCRETE SIDEWALK".
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALKS BUT IN NO CASE SHALL THE SPACING BETWEEN EXPANSION JOINTS EXCEED 12' UNLESS OTHERWISE NOTED.
8. RAISED ISLANDS IN MARKED CROSSINGS SHALL HAVE SIDEWALK RAMP AT BOTH SIDES AND A LEVEL AREA AT LEAST 4' LONG BETWEEN THE RAMP. IF THIS CAN NOT BE ACHIEVED, THE RAISED ISLAND SHALL BE CUT THROUGH LEVEL WITH THE ROADWAY AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
9. SIDEWALK RAMP SHALL BE CONSTRUCTED AND PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK", INCLUDING CURBING WITHIN THE LIMITS OF THE NEW SIDEWALK RAMP AND DETECTABLE WARNING STRIPS.
10. CURBING WITHIN THE LIMITS OF THE NEW SIDEWALK RAMP SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF FORM 814A SECTIONS 8.11 AND 8.13.
11. HANDICAP RAMP CONFORMING WITH CONNECTICUT GENERAL STATUTES, SEC. 7-118a, SHALL BE INCORPORATED IN ALL PROPOSED SIDEWALKS AT ALL STREET INTERSECTIONS, AND AT ALL OTHER LOCATIONS WHERE THE GRADE OF A DRIVEWAY OR OTHER FACILITY TAKES PRECEDENCE OVER THE GRADE OF THE PROPOSED SIDEWALK.
12. TRANSITION TO FULL HEIGHT CURB. INSTALL STONE CURBING IF ADJACENT CURBING IS STONE. INSTALL CONCRETE CURBING IF ADJACENT CURBING IS CONCRETE OR BITUMINOUS.
13. INSTALL THE EDGE OF THE DETECTABLE WARNING 6" FROM THE EDGE OF ROAD.
14. TO PERMIT WHEELCHAIR WHEELS TO ROLL BETWEEN DOMES, ALIGN DOMES ON A SQUARE GRID. IN THE DIRECTION OF PEDESTRIAN TRAVEL.
15. DETECTABLE WARNING PAD TO BE 2'x4" CAST-IN PLACE COMPOSITE TACTILE WITH INLINE DOME PATTERN WITH EMBEDMENT FLANGES SET FLUSH IN CAST-IN-PLACE CLASS F CONCRETE SIDEWALK.
16. FOR BITUMINOUS CONCRETE SIDEWALKS SET DETECTABLE WARNING PAD IN 4" THICK CONCRETE PAD WITH TOP OF DETECTABLE PAD SET FLUSH TO SIDEWALK GRADE. - SEE DETAIL 2.14.

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH PROJECT MANUAL; CITY OF TORRINGTON CT STANDARDS AND SPECIFICATIONS, AND STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 IN THE ABOVE REFERENCED HIERARCHY. IF SPECIFICATIONS AND PLANS ARE IN CONFLICT, THE MORE STRINGENT SHALL APPLY.
2. REFER TO PLANS, DETAILS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL ROADWAY CONDITIONS IN THE FIELD AND CONTACT THE CITY ENGINEER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS, PROJECT SPECIFICATIONS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BIDDING. MISPRINTS, AND TYPOGRAPHICAL ERRORS, SHALL NOT BE CONSIDERED AS LEGITIMATE CLAIMS FOR ADDITIONAL WORK OR ADDITIONAL PAYMENT.
3. DO NOT INTERRUPT EXISTING UTILITIES.
4. THE CONTRACTOR SHALL ABIDE BY ALL OSHA FEDERAL STATE AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOSTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.
5. THE CITY OF TORRINGTON IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE CITY OF TORRINGTON HAS NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
6. THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
7. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT 1-800-922-4455" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
8. ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN COMPLETE DRAWING PLAN SETS FOR BIDDING AND CONSTRUCTION.
9. ALL NOTES AND DIMENSIONS DESIGNATED "TYPICAL" APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT. IF A CONDITION EXISTS THAT THE TYPICAL DIMENSION, DETAIL, OR SECTION DOES NOT APPLY THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR FURTHER DIRECTION.
10. CONTRACTOR(S) TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AND BE RESPONSIBLE FOR COORDINATION OF SAME. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
11. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROJECT LIMITS AS SHOWN OR DESCRIBED BY THE CONTRACT DOCUMENTS SHALL BE RESTORED TO NO ADDITIONAL COST TO THE CITY.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORT OF EXISTING UTILITIES AND REPAIR OR REPLACEMENT COSTS OF UTILITIES DAMAGED DURING CONSTRUCTION OPERATIONS WHETHER ABOVE OR BELOW GRADE.
13. ALL UTILITIES LOCATED WITHIN THE PROJECT LIMITS INCLUDING BUT NOT LIMITED TO SEWER, WATER, GAS, ELECTRICITY, AND TELECOMMUNICATIONS, SHALL HAVE THEIR RESPECTIVE COVERS, BOXES, ETC. SHALL BE SET TO FINAL GRADE. COORDINATE WORK WITH RESPECTIVE UTILITY COMPANIES. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS ITEM.
14. CONTRACTOR SHALL NOT DISTURB ANY AREA OUTSIDE THE LIMITS OF EASEMENTS AND RIGHT-OF-WAY.
15. ALL UTILITY AND DRAINAGE STRUCTURES LOCATED WITHIN THE PROJECT LIMITS SHALL BE RESET TO FINISHED GRADE, PER CITY OF TORRINGTON, AND C.D.O.T. STANDARDS AND SPECIFICATIONS.
16. ANY DISTURBANCE TO THE RIGHT OF WAY OUTSIDE THE LIMITS OF CONSTRUCTION AS SHOWN ON THESE PLANS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, AT THE EXPENSE OF THE CONTRACTOR.
17. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ALL UTILITY LOCATED WITHIN THE PROJECT LIMITS:
TORRINGTON WATER COMPANY 860-489-4149
TORRINGTON SEWER DEPARTMENT 860-489-9167
CABLE VISION OF LITCHFIELD 860-567-3103
EVERSOURCE (GAS) 203-596-3069
EVERSOURCE (ELECTRIC) 860-496-5278

REVISIONS			
#	DATE	COMMENTS	BY
1	2/18/19	ISSUED FOR USE	PK
2	4/2/19	REVISION ADDENDUM #2	KB
3			
4			
5			
6			

Plan Showing
STANDARD DETAILS
SECTION 1.0
ROADWAY DETAILS

City of Torrington Engineering Department

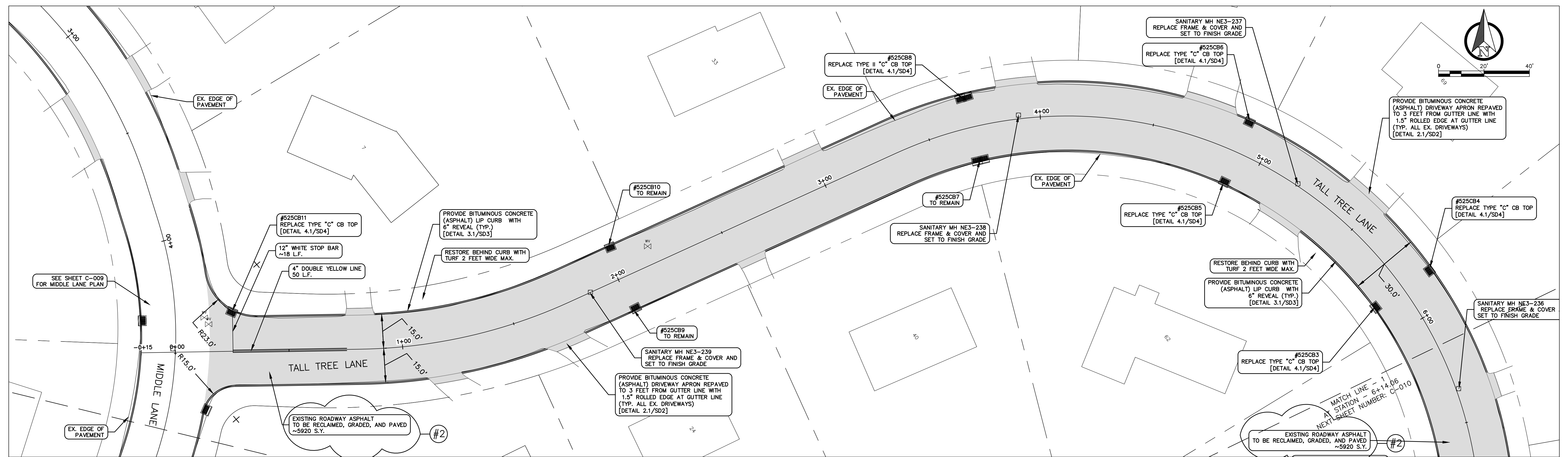
FEBRUARY, 2019
Horiz Scale: AS SHOWN
Vert Scale: AS SHOWN



Drawn by: PK
Checked by: PK

IMPORTANT NOTE:
UNDERGROUND UTILITIES ARE APPROXIMATE
PRIOR TO ANY EXCAVATION OR CONSTRUCTION CONTACT
"CALL BEFORE YOU DIG" 1-800-922-4455

SHEET: SD-1
1 INCH



- GENERAL NOTES**
1. ALL EXISTING BITUMINOUS CONCRETE CURB TO BE REPLACED WITH NEW BITUMINOUS CONCRETE CURB
 2. REPLACE BITUMINOUS CONCRETE DRIVEWAY APRONS TO MAXIMUM WIDTH OF 3 FEET (PARALLEL TO THE GUTTER) OR AS DIRECTED TO MATCH INTO EXISTING.
 3. PROVIDE 4" BITUMINOUS CONCRETE (ASPHALT) FOR ALL NEW ROADWAY AREAS
 4. PROVIDE 2" BITUMINOUS CONCRETE (ASPHALT) FOR ALL NEW DRIVEWAY AND SIDEWALK AREAS
 5. FINISHED ROAD SURFACE GRADES SHALL BE CONSTRUCTED TO MEET DESIGN PROFILE AND CROSS SECTIONS AND MATCH INTO EXISTING DRIVEWAYS AND GRASS AREAS TO PROVIDE POSITIVE DRAINAGE AND BEST FIT FOR EXISTING CONDITIONS. (REFER TO TECHNICAL SPECIFICATION SECTION 4.03)
 6. SOLID GRAY COLOR SHADED AREA (NOT INCLUDING DRIVEWAY APRONS) REPRESENTS LIMITS OF RECLAIMING, GRADING AND PAVING.
 7. RESTORE AREA BEHIND NEW CURBING WITH TURF ESTABLISHMENT MAXIMUM WIDTH OF 2 FEET OR AS DIRECTED TO MATCH INTO EXISTING

LEGEND:

: SEE STANDARD DETAIL "X.X" ON STANDARD DETAIL SHEET "SDX"
OR [DETAIL X.X/SDX]

REVISIONS			
#	DATE	COMMENTS	BY
1	3/11/19	ISSUED FOR BID	DFH
2	4/02/19	REVISION ADDENDUM #2	DFH
3			
4			
5			
6			

Plan Showing
ROAD RECONSTRUCTION
TALL TREE LANE
PLAN VIEW
STA 0+00 to 13+00

City of Torrington Engineering Department

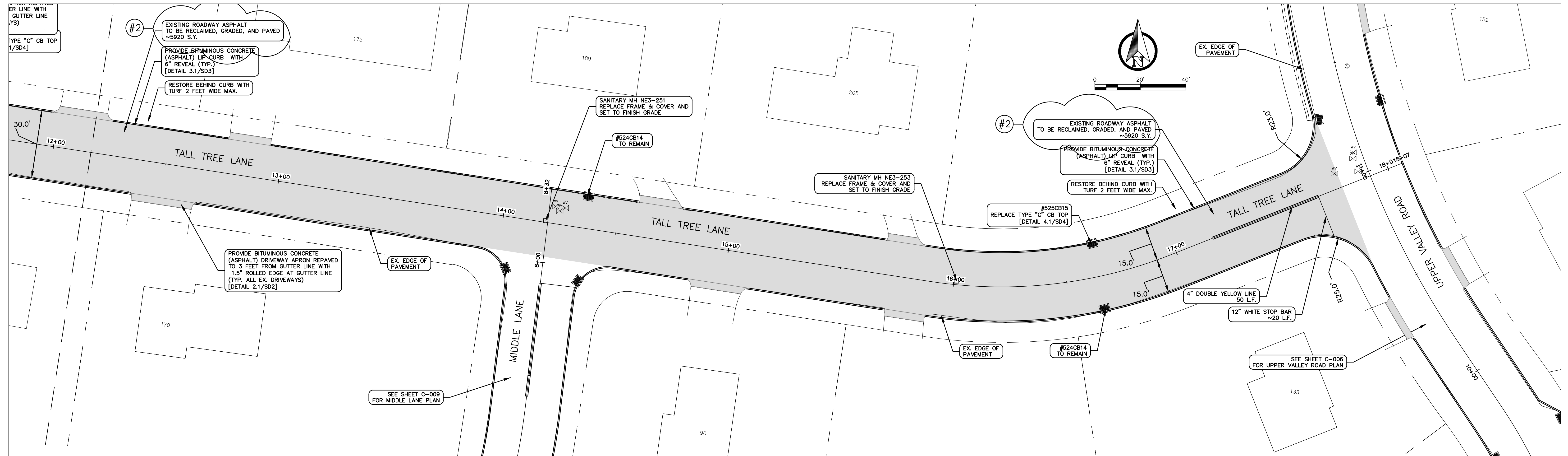
MARCH, 2019
1" = 20'

Drawn by: KJB
Checked by: PK

SHEET: C-010

IMPORTANT NOTE:
UNDERGROUND UTILITIES ARE APPROXIMATE
PRIOR TO ANY EXCAVATION OR CONSTRUCTION CONTACT
"CALL BEFORE YOU DIG" 1-800-922-4455

1 INCH



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: SEE STANDARD DETAIL "X.X" ON STANDARD DETAIL SHEET "SDX"
OR [DETAIL X.X/SDX]

REVISIONS			
#	DATE	COMMENTS	BY
1	3/11/19	ISSUED FOR BID	DFH
2	4/02/19	REVISION ADDENDUM #2	DFH
3			
4			
5			
6			

Plan Showing
ROAD RECONSTRUCTION
TALL TREE LANE
PLAN VIEW
STA 12+00 to 18+07

City of Torrington Engineering Department

MARCH, 2019
1" = 20'



Drawn by: KJB
Checked by: PK

SHEET: C-011

IMPORTANT NOTE:
UNDERGROUND UTILITIES ARE APPROXIMATE
PRIOR TO ANY EXCAVATION OR CONSTRUCTION CONTACT -
"CALL BEFORE YOU DIG" 1-800-922-4455

1 INCH

BID FORM - EXHIBIT "A"

REVISION ADDENDUM #2 - April 2, 2019

Reconstruction Various Roads Project Road Group 2019.1

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
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0201001A Clearing and Grubbing

for the price per **Lump Sum** of **1**

_____ Dollars

_____ Cents

0202000A Earth Excavation

for the price per **Cubic Yard** of **5,781**

_____ Dollars

_____ Cents

0202529 Cut Bituminous Concrete Pavement

for the price per **Linear Foot** of **1,199**

_____ Dollars

_____ Cents

0212001A Subbase

for the price per **Cubic Yard** of **278**

_____ Dollars

_____ Cents

0403873A Full-Depth Reclamation

for the price per **Square Yard** of **64,566**

_____ Dollars

_____ Cents

0406236A Material for Tack Coat

for the price per **Gallon** of **3,228**

_____ Dollars

_____ Cents

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
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0406442A	Bituminous Concrete, (HMA S 0.50) Super Pave			
	for the price per TON	of	14,338	
	_____ Dollars			
	_____ Cents			

0406999A	Asphalt Adjustment Cost			
	for the price per Estimated	of	1	
	_____ Dollars		\$10,000.00	\$10,000.00
	_____ Cents			

0507001A	Replace Catch Basin Top			
	for the price per Each	of	130	
	_____ Dollars			
	_____ Cents			

0507502A	Replace Type 1 or Type 2 Double Catch Basin Top			
	for the price per Each	of	6	
	_____ Dollars			
	_____ Cents			

0507505A	Catch Basin Structure with Top			
	for the price per Each	of	5	
	_____ Dollars			
	_____ Cents			

0507560A	Replace Manhole Frame & Cover (Storm or Sanitary)			
	for the price per Each	of	76	
	_____ Dollars			
	_____ Cents			

0507580A	Convert Existing Catch Basin Top to Manhole Frame & Cover			
	for the price per Each	of	3	
	_____ Dollars			
	_____ Cents			

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
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0507590A	Remove Existing Catch Basin			
	for the price per Each	of	2	
	_____ Dollars			
	_____ Cents			

0651885A	12" HDPE Storm Pipe			
	for the price per Linear Foot	of	72	
	_____ Dollars			
	_____ Cents			

0651913A	6" Underdrain			
	for the price per Linear Foot	of	710	
	_____ Dollars			
	_____ Cents			

0815001A	6" Bituminous Concrete Curbing			
	for the price per Linear Foot	of	31,256	
	_____ Dollars			
	_____ Cents			

0910170	Metal Beam Guiderail (Type R-B 350)			
	for the price per Linear Foot	of	100	
	_____ Dollars			
	_____ Cents			

0911924	Metal Beam Guiderail (Type R-B 350) - End Anchorage - Type II			
	for the price per Each	of	4	
	_____ Dollars			
	_____ Cents			

0921039A	Detectable Warning Pad			
	for the price per Each	of	10	
	_____ Dollars			
	_____ Cents			

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
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0922001A	Bituminous Concrete Sidewalk			
	for the price per Square Foot	of	8,131	
	_____ Dollars			
	_____ Cents			

0922501A	Bituminous Concrete Driveway			
	for the price per Square Foot	of	15,653	
	_____ Dollars			
	_____ Cents			

0950005A	Turf Establishment			
	for the price per Square Yard	of	8,766	
	_____ Dollars			
	_____ Cents			

0970006A	Uniformed Municipal Police Officer			
	for the price per Hour	of	400	
	_____ Dollars			\$65.00
	_____ Cents			\$26,000.00

0970007A	Traffic Person (Uniformed Flagger)			
	for the price per Hour	of	1,920	
	_____ Dollars			
	_____ Cents			

0971001A	Maintenance and Protection of Traffic			
	for the price per Lump Sum	of	1	
	_____ Dollars			
	_____ Cents			

0975001A	Mobilization and Demobilization			
	for the price per Lump Sum	of	1	
	_____ Dollars			
	_____ Cents			

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
----------	------------------	--------------------	------------	--------------

0980001A	Construction Staking			
	for the price per Lump Sum	of	1	
	_____ Dollars			_____
	_____ Cents			_____

1206036A	Existing traffic and parking signs reinstalled			
	for the price per Each	of	7	
	_____ Dollars			_____
	_____ Cents			_____

1208928A	Sign Face - Sheet Aluminum (Type IV Reflective Sheeting)			
	for the price per Square Foot	of	54	
	_____ Dollars			_____
	_____ Cents			_____

1209114A	4" White/Yellow Hot Applied Painted Pavement Markings			
	for the price per Linear Foot	of	8,906	
	_____ Dollars			_____
	_____ Cents			_____

1209131A	Hot Applied Markings, Symbols & Legends			
	for the price per Square Foot	of	995	
	_____ Dollars			_____
	_____ Cents			_____

TOTAL BID AMOUNT \$ _____

SECTION 9.20
BITUMINOUS CONCRETE SIDEWALK
BITUMINOUS CONCRETE DRIVEWAY

ITEM 0922001A - BITUMINOUS CONCRETE SIDEWALK
ITEM 0922501A - BITUMINOUS CONCRETE DRIVEWAY
ITEM 0921039A - DETECTABLE WARNING PAD

9.20.01—Scope

9.20.02—Materials

9.20.03—Execution

9.20.04—Measurement and Payment

9.20.01 - SCOPE

- A. The work covered by this section of the specifications consists in furnishing all plant, labor, equipment, appliances and materials and in performing all operations in connection with the placement of bituminous concrete pavement, complete in place. Work under this section includes bituminous concrete sidewalk, and residential bituminous concrete driveway aprons. See typical utility trench detail for permanent patch requirements, typical bituminous concrete sidewalk detail for sidewalk requirements, bituminous concrete curbing detail for curb requirements and detectable warning pad in bituminous concrete sidewalk section detail. Paving material and methods of placement shall be fully done in accordance with the Referenced Specifications and Details.
- B. Detectable Warning Pads shall be installed in Bituminous Concrete Sidewalks at all accessible intersection ramps at locations as shown on the contract drawings. Orientation and location of Detectable Warning Pads shall be installed according to Americans with Disabilities Act (ADA) Public Right of Way Accessibility Guidelines (PROWAG).

9.20.02 - MATERIALS

- A. The materials for the bituminous concrete mixture, sources of supply, formula for mix, mix tolerances, approval of mix formula and the control of the mixture shall conform to the requirements of Article M.04 of the Reference Specifications. (Class 2 mix).
- B. Reclaimed asphalt material from the site shall be used in place of gravel subbase and processed aggregate base material.
- C. The Detectable Warning Pad
 - a. Detectable Warning Pad shall be a prefabricated detectable warning surface tile as manufactured from Engineered Plastics Inc. 300 International Drive, Suite 100 Williamsville, NY 14221, telephone number (800) 682-2525 or the approved equal from ADA Fabricators, INC. P.O Box 179 North Billerica, MA 01862 telephone number (978) 262-9900. The tile shall conform to the dimensions shown on the plans and have a gray homogeneous color throughout in compliance with Federal Standard 595 Color FS 36496 or approved equal.
 - b. Materials for Detectable Warning Pad bedding concrete shall conform to the requirements of Article M.03.01 of the REFERENCE SPECIFICATIONS, for Class "F" Concrete. The concrete shall contain not less than 5% nor more than 7% entrained air at the time the concrete is deposited in the forms. Air-entrainment shall be obtained and the concrete cured in accordance with the provisions of Article 4.01.03 for Concrete Pavement.

- c. Detectable Warning Pad installed in bituminous concrete sidewalks shall conform to DETECTABLE WARNING PAD IN BITUMINOUS CONCRETE SIDEWALKS DETAIL 2.14, SHEET SD-2A.

9.20.03 - EXECUTION

3.01 SUBGRADE PREPARATION

Subgrade shall be prepared in accordance with Reference Specification, Section 2.09.03, Construction Methods.

3.02 BASE PREPARATION

Processed aggregate base shall be applied in accordance with Reference Specification, Section 3.04.03, Construction Methods.

3.03 BITUMINOUS CONCRETE PAVEMENT

Bituminous paving shall be applied in accordance with Reference Specification, Section 4.06.03, and Construction Methods.

3.04 BITUMINOUS TACK COAT

Bituminous tack coat shall conform to Section M.04.01 of the Reference Specifications and shall be applied between asphaltic concrete layers in case of delayed construction or overlays of existing pavements.

3.05 RESIDENTIAL DRIVEWAYS

Where residential driveways exceed 20' in length, paving of residential driveways shall be accomplished by means of a paving machine capable of paving the entire width and length of the driveway in one continuous operation.

The paver shall have a receiving hopper with sufficient capacity to provide for a uniform spreading operation and a distribution system that places the mix uniformly, without segregation. The paver shall be equipped with and use a vibratory screed system with heaters or burners. The screed system shall be capable of producing a finished surface of the required evenness and texture without tearing, shoving, or gouging the mixture.

3.06 ROLLERS

Vibratory self-propelled rollers of sufficient size shall be used for paving of all sidewalks and residential driveways. Vibratory plate compactors are only to be used for small areas where rollers cannot access.

All rollers shall be self-propelled and designed for compaction of bituminous concrete. Roller types shall include steel-wheeled, pneumatic or a combination thereof and may be capable of operating in a static or dynamic mode. Rollers that operate in a dynamic mode shall have drums that use a vibratory or oscillatory system or combination of. The vibratory system achieves compaction through vertical amplitude forces.

3.07 SEQUENCE OF PAVING SIDEWALKS AND DRIVEWAYS

Sidewalks and driveways shall be paved simultaneously to prevent cold joints. Cold joints shall be avoided by paving one complete area between street intersections where possible. Sidewalks shall remain continuous where possible. Paving machines should be used for long driveways as specified herein.

9.20.04 – MEASUREMENT AND PAYMENT

4.01 BASIS OF MEASUREMENT AND PAYMENT:

- A) For work associated with providing **Bituminous Concrete Sidewalk** shall be measured as the total number of square feet of bituminous concrete sidewalk or residential driveway complete in place as shown on the contracts design drawings or as directed by the Engineer and will be paid for at the contract unit price per square foot of **Bituminous Concrete Sidewalk** which price shall include and all tools, materials, and equipment used for this activity.
- B) For work associated with providing **Bituminous Concrete Residential Driveway** shall be measured as the total number of square feet of bituminous concrete sidewalk or residential driveway complete in place as shown on the contracts design drawings or as directed by the Engineer and will be paid for at the contract unit price per square foot of **Bituminous Concrete Residential Driveway** which price shall include and all tools, materials, and equipment used for this activity.
- C) For work associated with providing **Detectable Warning Pad** shall be measured as the total number of each warning pad installed in place in sidewalks at each accessible intersection ramp and/or as shown on the contracts design drawings or as directed by the Engineer and will be paid for at the contract unit price per each of **Detectable Warning Pad** which price shall include and all tools, materials, and equipment used for this activity.

PAY ITEM

BITUMINOUS CONCRETE SIDEWALK
BITUMINOUS CONCRETE RESIDENTIAL DRIVEWAY
DETECTABLE WARNING PAD

PAY UNIT

S.F.
S.F.
EACH

END OF SECTION

INVITATION TO BID
“Reconstruction Various Roads”
City of Torrington, Torrington Connecticut
BID # RVR-027-040519

Sealed bids are invited and will be received by the City of Torrington, at the office of the City Purchasing Agent, City Hall, 140 Main Street, Torrington, Connecticut until 11:00 A.M., April 10, 2019 at which time and place they will be publicly opened and read aloud. In the event of the closure of City Hall, the bid will be opened on the following business day that City Hall is opened.

Bid documents may be obtained or examined at the Office of the Purchasing Agent, 140 Main Street, Room 206, Torrington, CT 06790 between the hours of Monday – Wednesday 8:30 a.m. to 4:00 p.m., Thursday 8:30 a.m. to 6:30 p.m. & Friday 8:30 a.m. to 12:30 p.m.

A \$25.00 non-refundable fee per set of Bid Documents payable to the City of Torrington will be required of all perspective bidders.

Each bid must be submitted on the forms provided and in a sealed envelope bearing on the outside, the name of the bidder, his address, and the name of the project for which the bid is submitted, bid number and bid opening date/time clearly identified on the outside of the envelope/package.

A bid bond in an amount not less than five percent (5%) of the amount of the bid shall accompany each bid. A non-collusion statement for Prime Contractors and any addendum acknowledgement must also be submitted at the time of the bid.

A performance, labor and materials bond in an amount equal to one hundred percent (100%) of the accepted bid will be required.

Bids to receive consideration, must be in the hands of the authorized representative, no later than the day and hour mentioned above. Any bid received after the date and time specified will be rejected.

The project work is comprised of furnishing all equipment, labor, material, plant, and superintendence to perform all work necessary for the reclamation, grading and paving approximately 3.9 miles of various roads including new curbing, sidewalks, driveway aprons, catch basin tops and associated miscellaneous work for the City of Torrington.

The City of Torrington reserves the right to reject any or all bids, to waive technicalities or any informality, to award the contract to a bidder other than the lowest bid, and to award the contract as it feels will best serve the public interest.

All Bids will be considered valid for a period of sixty (60) days. No bidder may withdraw a bid within sixty days after the actual date of the opening thereof.

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER
MBE's WBE's, and SBE's ARE ENCOURAGED TO APPLY

CITY OF TORRINGTON

Pennie Zucco
PURCHASING AGENT

Dated: _____