

August 7, 2025

To All Bidders:

Subject: Bid #: 8491-J6, Salisbury Street Culvert Replacement (S25-4) / DPW

**ADDENDUM NO. 2** 

To Whom It May Concern:

With reference to our bid request relative to the above subject, please refer to the changes/modifications/clarifications to the original request.

### **SPECIFICATIONS**

### **PROPOSAL - BID ITEM SHEET**

1. DELETE PROPOSAL - BID ITEM SHEET (Page P-1 to P-17) in its entirety and REPLACE with PROPOSAL - BID ITEM SHEET (Page P-1R to P-17R) attached. See Attachment A of this addendum.

### SECTION 01570 - ENVIRONMENTAL PROTECTION

1. Section 3.06.B, DELETE the following sentence in its entirety:

"No excavated materials or materials used in backfill operations shall be deposited within a minimum distance of one hundred (100) feet of any watercourse or any drainage facility."

### And REPLACE with:

"No excavated materials or materials used in backfill operations shall be deposited within a minimum distance of fifty (50) feet of any watercourse or any drainage facility."

### **PLANS**

1. DELETE plan sheets C-3, C-4, S-1, S-2, S-6, S-8, and S-9 in their entirety and REPLACE with sheets C-3R, C-4R, S-1R, S-2R, S-6R, S-8R, and S-9R attached. See Attachment B of this addendum.

### PRE-BID CONFERENCE

A pre-bid meeting was held on July 31, 2025. A summary of the pre-bid meeting is attached in Attachment C.



### QUESTIONS

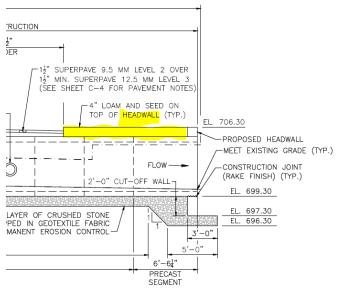
QUES	TIONS
Q1. that?	Will a field office be required for this project? If so, how is the contractor being paid for
A1.	No.
Q2. be req A2.	There is mention of a MASSDEP file number, will a stormwater pollution prevention plan uired for this project? If yes, can a bid item be added for SWPPP be added?  A stormwater pollution prevention plan is not required.
Q3. SOE ir A3.	There are specifications on support of earth systems but no bid item for SOE. Is the notidental to item 995.01? If not, can a bid item be added for Support of Excavation  The Support of Excavation (SOE) is incidental to Item 995.01.
	A site visit showed that there is some invasive species (Knotweed) on site. How is the ctor being paid to handle the eradication of the invasive species? Can a bid item be to handle this?  Invasive species eradication is not included in the contract.
Q5. issue o A5.	Can specifications and a bid item for by-pass pumping be added to handle the possible of having to bypass the sewer and water for the culvert installation?  Handling of existing flows shall be considered incidental to the project.
contra	Worcester Conservation Commission specifications page A-2 make mention of hiring a sional Wetland Scientist. Please confirm whether this is the responsibility of the ctor or the city/engineer of record? If it is the responsibility of the contractor, how is the ctor being compensated for this? Please consider adding pay items for it.  The city is responsible for hiring a Professional Wetland Scientist.
of all c	Worcester Conservation Commission specifications page A-3 make mention of cant shall provide the Office of Commission an appropriately signed and stamped As-Built crossing areas prepared by a Massachusetts PE". Please confirm whether that is on the ctor or the engineer of record. Should it be on the contractor please confirm?  The Contractor shall provide their red line drawings to the Engineer.



- Q8. Worcester Conservation Commission specifications page A-3 states in no case shall any soil or excavated material be stockpiled within 50 feet of any wetland, floodplain or storm drain inlet. On specification page 015270-5 it says 100 feet. Please confirm the correct distance.
- A8. Specification 15270, Section 3.06 B has been modified, see changes included in this addendum.
- Q9. As there is no location on the job site that is either 50 or 100 feet away from a wetland, floodplain, or storm drain inlet. Does the city have a location the contractor can stage excavated materials?
- A9. The Contractor is responsible for providing a staging area.
- Q10. Specification page 10 states stream flow management plan should consider up to a 2.5-year flood event. Can the gallons per minute flow rate for the 2.5-year storm be provided so that the contractor can design for it?
- A10. The Contractor is responsible for the design of the stream flow management assuming full flow conditions through the existing culvert.
- Q11. Is the current flow rate of the culvert available, if so can that information be provided?
- A11. No flow information is available.



Q12. Can you please clarify what you are looking for here (ref page S-8, Longitudinal Section Looking East). The note says the Loam and Seed go over the Headwall. The drawing appears to have it directly on top of the culvert roof. Can you confirm that that is the case (directly on top of the culvert) or if you indeed want to carry the headwall back that far (10' ish) then would it be CIP in the field since we cannot cast a continuous slab over multiple sections of culvert at the factory.



A12. The area of the culvert between the headwall and edge of pavement is to be backfilled and have 4-inches of loam and seed placed over the backfill. The section has been revised to clarify this condition and is provided as part of this addendum.

Q13. What length of time should the contractor include the temporary traffic signals?

A13. The contractor has 300 calendar days to complete the project. The length of time needed to perform the work that requires the use of the temporary traffic signals within the 300 calendar days is to be determined by the contractor in order to comply with the specified provisions for temporary traffic control during construction.

Q14. Given the contract duration of 10 months, what is the anticipated date that contractors can expect to receive the notice to proceed? If the intent of the work is to perform it during the time of "low flow", along with 10 month duration, it would make sense to receive the NTP in December 2025.

A14. The NTP is anticipated to be issued in November or December of 2025.



Q15. The end section below that is going to connect to the existing private dam to remain – there is no detail for the connection there. Is that going to be a cast in place application? If not are details available?

A15. The upstream end section of the culvert connecting to the existing private dam is to be cast-in-place concrete. Details of the cast-in-place concrete section are provided in the attachment of this addendum.

### **END OF ADDENDUM**

Bidders are requested to acknowledge and/or include this addendum with submission. All other terms, conditions and specifications remain unchanged.

Very truly yours,

Jerry Kucera Buyer

### **ATTACHMENTS**

Attachment A – Specification "Proposal - Bid Item Sheet"

Attachment B – Plan Sheets C-3R, C-4R, S-1R, S-2R, S-6R, S-8R, S-9R

Attachment C – Summary of Pre-Bid Conference / Sign-In Sheet

### BID ITEMS for Bid No. 8491-J6 Contract No. S25-4

ITEM NUMBER	DESCRIPTION	ESTIMATE OF	COMPUTED TOTALS
		QUANTITIES	

THE BIDDER MUST FILL IN THESE UNIT OR LUMP SUM PRICES. The BIDDER should also carry out all extensions and fill in "Computed Totals"

(In case of error or discrepancies, UNIT OR LUMP SUM PRICES govern, and written words take precedence over figures)

### **BASE BID** Item 100. Clearing and Grubbing, per acre Dollars \$\_\_\_\_\_ Cents 0.1 A (\$\_\_\_\_\_ Item 112 Unclassified Excavation, per cubic yard Dollars \$ 210 CY and Cents (\$ Item 112.2 Test Pits, per each **Dollars** 2 EA and Cents Item 113 Tree Protection, per each **Dollars** 5 EA and Cents Item 120 Class "B" Rock Excavation and Disposal, per cubic yard. Dollars 60 CY and Cents (\$

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	UST FILL IN THESE UNIT OR LUMP SUM	PRICES. The B	IDDER should also ca	rry out all extensions
(In case of error or	r discrepancies, UNIT OR LUMP SUM PRICE	ES govern, and w	ritten words take prece	edence over figures)
Item 121	Trench Rock Excavation and Disposal, p	er cubic yard		
		Dollars		
	and	Cents	15 CY	\$
	(\$	)		
Item 122	Earth Excavation Below Normal Grade, 1	per cubic yard		
		Dollars		
	and		15 CY	\$
	(\$	)		
Item 125	Sand Borrow, per cubic yard			
		Dollars		
	and	Cents	15 CY	\$
	(\$	)		
Item 126	Gravel Borrow, per cubic yard			
		Dollars		
	and	Cents	120 CY	\$
	(\$	)		
Item 127	Dense Graded Crushed Stone, per cubic y	yard		
		Dollars		
	and	Cents	40 CY	\$
	(\$	)		

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	UST FILL IN THESE UNIT OR LUMP SUM F	PRICES. The B	IDDER should also ca	arry out all extensions
(In case of error or	r discrepancies, UNIT OR LUMP SUM PRICE	S govern, and w	ritten words take prec	edence over figures)
Item 128	Screened Loam Borrow, per cubic yard			
		Dollars		
	and	Cents	35 CY	\$
	(\$	)		
Item 130	Crushed Stone 3/4 Inch, per cubic yard			
		Dollars		
	and	Cents	50 CY	\$
	(\$	)		
Item 141.	Class A Trench Excavation, per cubic yard	I		
		Dollars		
	and	Cents	360 CY	\$
	(\$	)		
Item 150	Furnish and Spread Calcium Chloride, per	pound		
		Dollars		
	and	Cents	50 LB	\$
	(\$	)		
Item 156	Seeding, per square yard			
		Dollars		
	and	Cents	305 SY	\$
	(\$	)		

ITEM NUMBER	DESCRIP	TION	ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	JST FILL IN THESE UNIT OR LU	MP SUM PRICES. The B	IDDER should also car	rry out all extensions
(In case of error or	discrepancies, UNIT OR LUMP SU	JM PRICES govern, and w	ritten words take prece	edence over figures)
Item 160	Cleaning Up, lump sum			
		Dollars		
	and		1 LS	\$
	(\$	)		
Item 170	Comply with the Conservation Conditions, lump sum	Commissions Order of		
		Dollars	1.1.0	d.
	and	Cents	1 LS	\$
	(\$	)		
Item 171	Installation and Maintenance of foot	f Erosion Controls, per line	ar	
		Dollars	215 L F	d.
	and	Cents	215 LF	\$
	(\$	)		
Item 180.01	Environmental Health and Safe	ty Program, lump sum		
		Dollars		
	and	Cents	1 LS	\$
	(\$	)		
Item 180.02	Personal Protection Level C Up	ograde, per hour		
		Dollars		
	and	Cents	8 HR	\$
	(\$	)		

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	UST FILL IN THESE UNIT OR LUMP SUM	PRICES. The B	IDDER should also ca	arry out all extensions
(In case of error or	r discrepancies, UNIT OR LUMP SUM PRICE	ES govern, and w	ritten words take prec	edence over figures)
Item 180.03	Licensed Site Professional Services, per h	iour		
		Dollars		
	and	<u>Cents</u>	8 HR	\$
	(\$	)		
Item 181.11	Disposal of Unregulated Soil, per ton			
		Dollars		
	and	Cents	50 TON	\$
	(\$	)		
Item 181.12	Disposal of Regulated Soil – In-State Fac	ility, per ton		
		Dollars		
	and	Cents	50 TON	\$
	(\$	)		
Item 181.13	Disposal of Regulated Soil – Out-of-State	Facility, per ton		
		<u>Dollars</u>		
	and	Cents	50 TON	\$
	(\$	)		
Item 182.1	Inspection and Testing for Asbestos, lump	sum		
		Dollars		
	and	Cents	1 LS	\$
	(\$	)		

ITEM NUMBER	DESCRI	PTION	ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	UST FILL IN THESE UNIT OR LU	JMP SUM PRICES. The B	IDDER should also car	rry out all extensions
(In case of error or	r discrepancies, UNIT OR LUMP S	UM PRICES govern, and w	ritten words take prece	edence over figures)
Item 182.2	Removal of Asbestos, per line	ar foot		
		Dollars		
	and	Cents	50 FT	\$
	(\$	)		
Item 220.12	Trench Excavation and Backfi PVC, per linear foot	ll, Furnish and Install 12"		
		Dollars	50 1 5	ď.
	and	Cents	50 LF	\$
	(\$	)		
Item 222.36	Trench Excavation and Backfi RCP, per linear foot	ll, Furnish and Install 36"		
	-	Dollars	5015	¢
	and	Cents	50 LF	\$
	(\$	)		
Item 225.12	12 Inch Catch Basin Connection	on, per linear foot		
		Dollars		
	and	Cents	30 LF	\$
	(\$	)		
Item 230.6	6' Manhole Base, per each			
		Dollars		
	and	Cents	1 EA	\$
	(\$	)		

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER M and fill in "Comp	UST FILL IN THESE UNIT OR LUMP SUM uted Totals"	PRICES. The B	IDDER should also car	ry out all extension
(In case of error o	or discrepancies, UNIT OR LUMP SUM PRICE	ES govern, and w	ritten words take prece	dence over figures)
Item 231.6	6' Manhole Section, per linear foot			
		Dollars		
	and	Cents	5 LF	\$
	(\$	)		
Item 235	Catch Basin Frame & Grate, per each			
		Dollars		
	and		2 EA	\$
	(\$	)		
Item 236	Manhole Frame & Cover, per each			
		Dollars		
	and		1 EA	\$
	(\$	)		
Item 240.1	Stormwater Treatment Unit, per each			
		Dollars		
	and	Cents	2 EA	\$
	(\$	)		
Item 247	12 Inch Green Traps, per each			
	-	Dollars		
	and	Cents	2 EA	\$
	(\$	)		

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	UST FILL IN THESE UNIT OR LUMP SU	JM PRICES. The B	IDDER should also car	ry out all extensions
(In case of error or	r discrepancies, UNIT OR LUMP SUM PR	ICES govern, and w	ritten words take prece	dence over figures)
Item 252.2	Manhole Adjustment 12 Inch or Less	Rigid, per each		
		<u>Dollars</u>		
	and	Cents	2 EA	\$
	(\$	)		
Item 270	Rodent Control, lump sum			
		Dollars		
	and		1 LS	\$
	(\$	)		
Item 301.12	12" Zinc Coated CLDI Pipe, per linea	r foot		
		Dollars		
	and		20 LF	\$
	(\$	)		
Item 301.16	16" Zinc Coated CLDI Pipe, per linea	r foot		
		Dollars		
	and	Cents	45 LF	\$
	(\$	)		
Item 301.301	30 Inch Steel Pipe Casing for Water P	ripe, per linear foot		
		Dollars		
	and	Cents	12 LF	\$
	(\$	)		

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	UST FILL IN THESE UNIT OR LUMP SUN	A PRICES. The B	IDDER should also ca	arry out all extension
(In case of error or	r discrepancies, UNIT OR LUMP SUM PRIC	CES govern, and w	ritten words take prec	edence over figures)
Item 301.5	Polyethylene Wrap for Ductile Iron Pipe	e, per linear foot		
		<u>Dollars</u>		
	and	Cents	65 LF	\$
	(\$	)		
Item 302.1	Cast or Ductile Fittings, per pound			
		Dollars		
	and		3000 LB	\$
	(\$	)		
Item 304.01	Valve Box, per each			
		Dollars		
	and		2 EA	\$
	(\$	)		
Item 304.09	Water Valve Adjust to Grade, Rigid Bas	se, per each		
		Dollars		
	and	Cents	1 EA	\$
	(\$	)		
Item 307.16	16" Butterfly Valve, per each			
		Dollars		
	and	Cents	2 EA	\$
	(\$	)		

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER M and fill in "Comp	UST FILL IN THESE UNIT OR LUMP SUM	PRICES. The B	IDDER should also ca	rry out all extensions
(In case of error o	r discrepancies, UNIT OR LUMP SUM PRIC	ES govern, and w	ritten words take prece	edence over figures)
Item 312.12	12" Tie-In, per each			
		Dollars		
	and	Cents	2 EA	\$
	(\$	)		
Item 402.	Fine Grading, Rolling and Finishing, per	square yard		
		Dollars		
	and	Cents	420 SY	\$
	(\$	)		
Item 403	Grinding and Milling 1-1/2 Inch, per squ	are yard		
		Dollars		
	and	Cents	50 SY	\$
	(\$			
Item 422.1	Superpave 9.5 MM Level 2, per ton			
		Dollars		
	and	Cents	30 TON	\$
	(\$	)		
Item 422.3	Superpave 12.5 MM Level 3, per ton			
		Dollars		
	and	Cents	45 TON	\$
	(\$	)		

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	UST FILL IN THESE UNIT OR LUMP SUM I	PRICES. The B	IDDER should also ca	arry out all extensions
(In case of error or	r discrepancies, UNIT OR LUMP SUM PRICE	S govern, and w	ritten words take prec	edence over figures)
Item 422.4	Superpave 19 MM Level 2, per ton			
		Dollars		
	and	Cents	65 TON	\$
	(\$	)		
Item 424	Bituminous Concrete Driveway & Variou	s Area, per ton		
		Dollars		
	and	Cents	25 TON	\$
	(\$	)		
Item 434	Sawing Pavement, per linear foot			
		Dollars		
	and		280 LF	\$
	(\$	)		
Item 436	Resurface Trenches Temporary, per ton			
		<u>Dollars</u>		
	and	Cents	10 TON	\$
	(\$	)		
Item 470	Hot Mix Asphalt Berm, per ton			
		<u>Dollars</u>		
	and	Cents	9 TON	\$
	(\$			

ITEM NUMBER	DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	UST FILL IN THESE UNIT OR LUMP SUM PI ited Totals"	RICES. The B	IDDER should also car	ry out all extension
(In case of error or	r discrepancies, UNIT OR LUMP SUM PRICES	govern, and w	ritten words take prece	dence over figures)
Item 470.1	Wood Fence, Remove and Reset, lump sum			
		Dollars		
	and	Cents	1 LS	\$
	(\$	)		
Item 501	6 Inch Reflectorized White Line (Thermopl foot	astic), per line	ar	
		<u>Dollars</u>	(00 I E	Ф
	and	Cents	680 LF	\$
	(\$	)		
Item 502	4 Inch Reflectorized Yellow Line (Thermop linear foot	olastic), per		
		Dollars	700 LF	\$
	and	Cents	/00 LF	<b>p</b>
	(\$	)		
Item 619	Portable Changeable Message Sign, per day			
		<u>Dollars</u>		
	and	Cents	720 DAYS	\$
	(\$	)		
Item 628.314	Temporary Impact Attenuator, Redirective,	TL-2, per each	1	
		Dollars		
	and	Cents	2 EA	\$
	(\$	)		

ITEM NUMBER	DESCRIPTION	I	ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	JST FILL IN THESE UNIT OR LUMP S'	UM PRICES. The B	IDDER should also c	arry out all extensions
(In case of error or	discrepancies, UNIT OR LUMP SUM PI	RICES govern, and w	ritten words take pred	cedence over figures)
Item 628.4	Temporary Impact Attenuator, Remo each	ved and Reset, per		
		Dollars	2.54	ø
	and	Cents	2 EA	\$
	(\$	)		
Item 698.4	Geotextile Fabric for Permanent Eros square yard	sion Control, per		
		Dollars	1600 GM	•
	and		1600 SY	\$
	(\$	)		
Item 734.	Sign Removed and Reset, per each			
		Dollars		
	and	Cents	1 EA	\$
	(\$	)		
Item 748.	Mobilization, lump sum			
		Dollars		
	and	Cents	1 LS	\$
	(\$	)		
Item 767.772	Natural Streambed Material, per cubi	c yard		
		Dollars		
	and	Cents	40 CY	\$
	(\$	)		

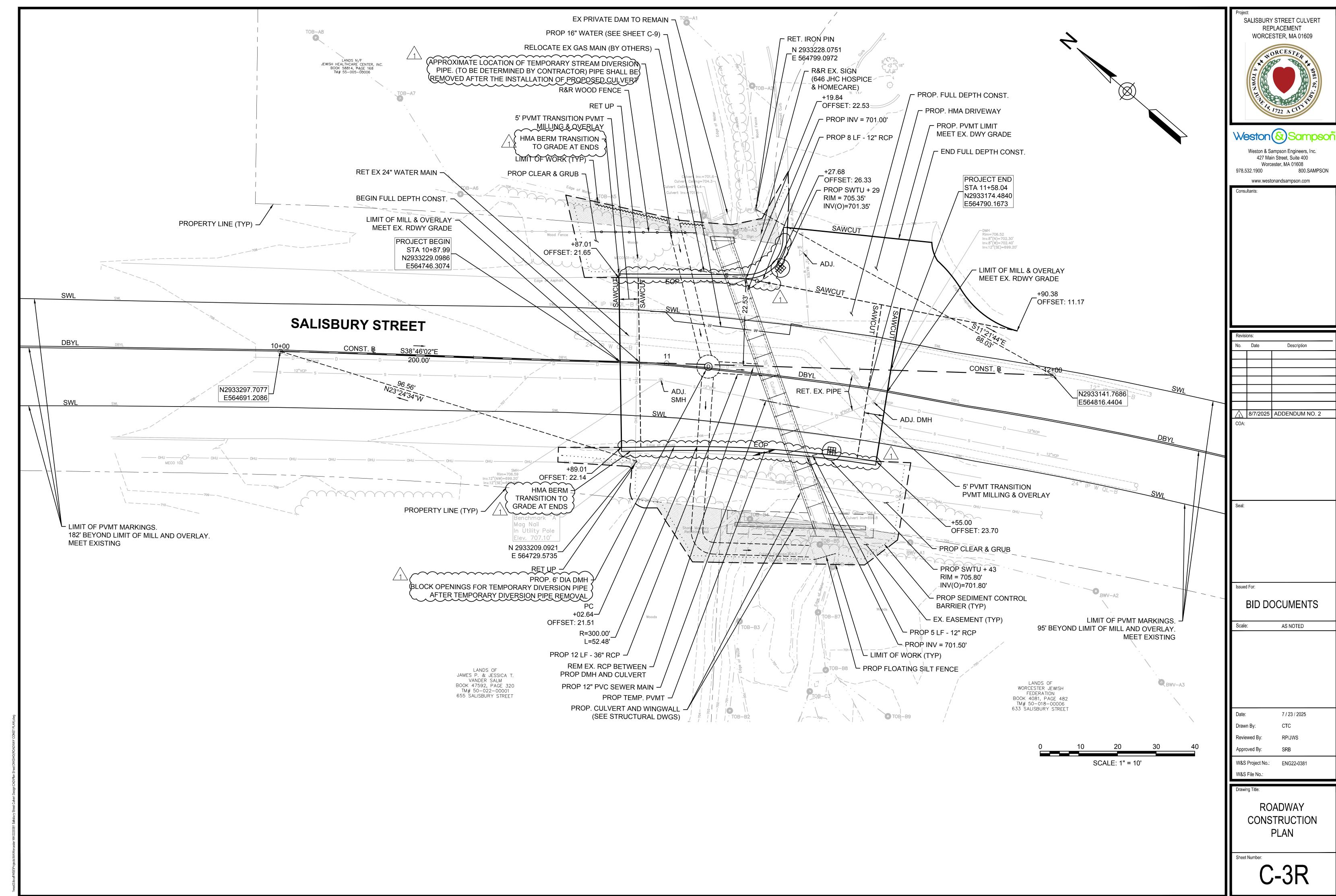
ITEM NUMBER	DESCRIPTIO	N	ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER Mand fill in "Compu	UST FILL IN THESE UNIT OR LUMP S	SUM PRICES. The B	IDDER should also car	rry out all extension
(In case of error o	r discrepancies, UNIT OR LUMP SUM F	RICES govern, and w	ritten words take prece	edence over figures)
Item 816.81	Temporary Traffic Control Signal, l	ump sum		
		<u>Dollars</u>		
	and	Cents	1 LS	\$
	(\$	)		
Item 852.	Safety Signing for Traffic Managem	ent, per square foot		
		Dollars		
	and	Cents	250 SF	\$
	(\$	)		
Item 853.2	Temporary Barrier (TL-2), per linea	r foot		
		Dollars		
	and		260 FT	\$
	(\$	)		
Item 853.21	Temporary Barrier Removed and Re	eset, per linear foot		
		Dollars		
	and	Cents	260 FT	\$
	(\$	)		
Item 853.8	Temporary Illumination for Work Z	one, per day		
		Dollars		
	and	Cents	30 DAY	\$
	(\$	)		

ITEM NUMBER	DESCRIPTIO	ON	ESTIMATE OF QUANTITIES	COMPUTED TOTALS
THE BIDDER MU	JST FILL IN THESE UNIT OR LUMP	SUM PRICES. The B	IDDER should also ca	arry out all extensions
(In case of error or	discrepancies, UNIT OR LUMP SUM	PRICES govern, and w	ritten words take prec	edence over figures)
Item 854.036	Temporary Pavement Markings – 6 foot	5 Inch (Tape), per linea	r	
		Dollars	00 577	r.
	and	Cents	80 FT	\$
	(\$	)		
Item 854.1	Pavement Marking Removal, per s	quare foot		
		Dollars		
	and		700 SF	\$
	(\$	)		
Item 859.	Reflectorized Drum, per day			
		Dollars		
	and	Cents	450 DAY	\$
	(\$	)		
Item 900	Lump Sum Reserved for City Use,	lump sum		
	One Hundred Thousand	Dollars		
	and Zero	Cents	1 LS	\$ <u>100,000.00</u>
	(\$ 100,000	)		
Item 901.	4000 PSI, 1.5 inch, 565 Cement Co	oncrete, per cubic yard		
		Dollars		
	and	Cents	10 CY	\$
	(\$	)		

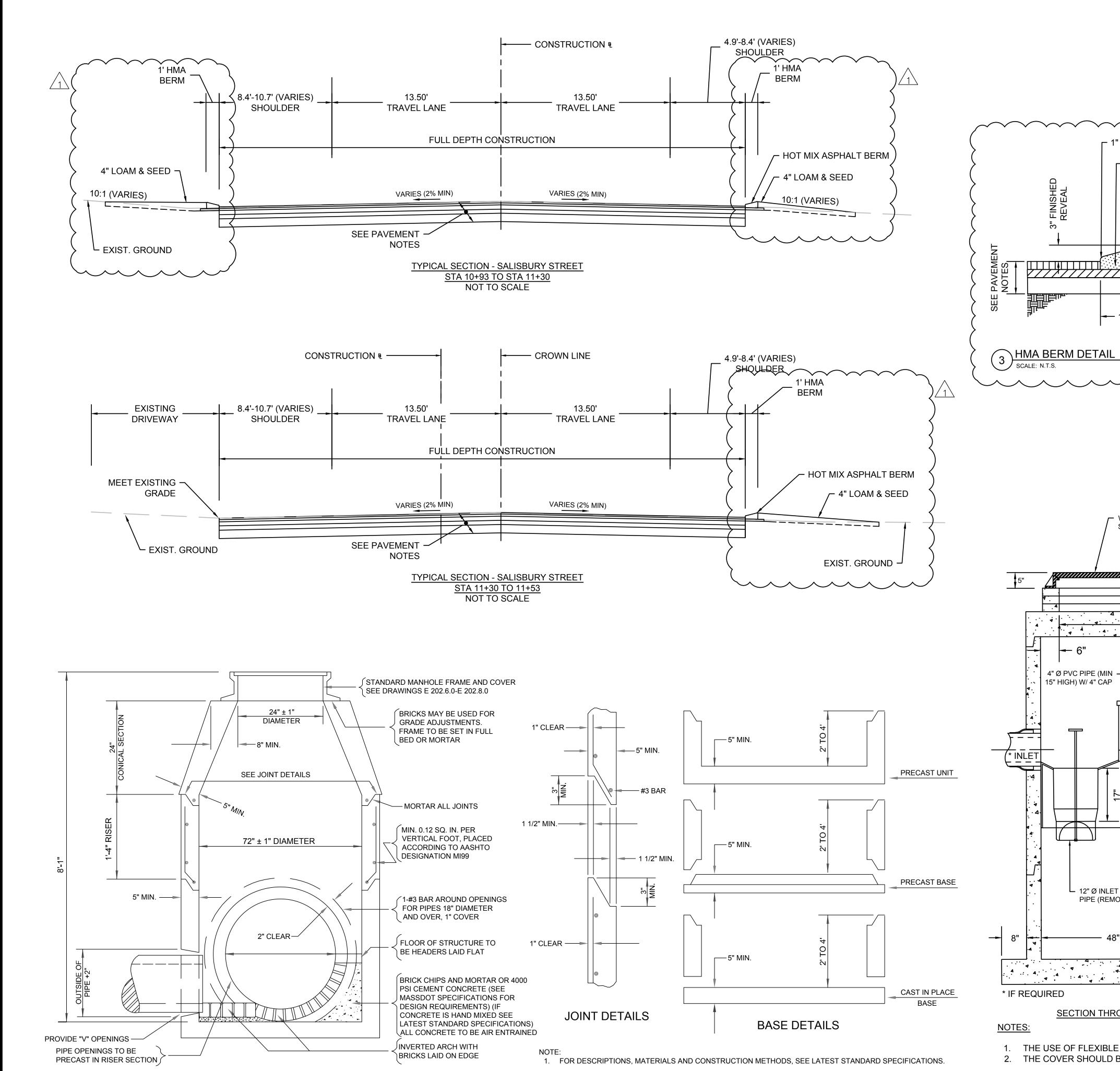
DESCRIPTION		ESTIMATE OF QUANTITIES	COMPUTED TOTALS
UST FILL IN THESE UNIT OR LUMP SUM I uted Totals"	PRICES. The B	IDDER should also ca	rry out all extension
or discrepancies, UNIT OR LUMP SUM PRICE	S govern, and w	ritten words take prec	edence over figures)
4000 PSI, 3/4 inch, 610 Cement Concrete,	per cubic yard		
	Dollars		
and	Cents	10 CY	\$
(\$			
Steel Reinforcement for Structures – Epox pound	y Coated, per		
	Dollars	400 I D	d)
and	Cents	400 LB	\$
(\$	)		
Temporary Control of Water, lump sum			
	Dollars		
and	Cents	1 LS	\$
(\$	)		
Precast Concrete Box Culvert, 4'-0" x 5'-0 Wingwalls, lump sum	)", Headwalls an	ad	
	Dollars	110	\$
and	Cents	1 L3	Ψ
(\$	)		
ı	UST FILL IN THESE UNIT OR LUMP SUM Futed Totals"  r discrepancies, UNIT OR LUMP SUM PRICE  4000 PSI, 3/4 inch, 610 Cement Concrete,  and  (\$	UST FILL IN THESE UNIT OR LUMP SUM PRICES. The Bated Totals"  r discrepancies, UNIT OR LUMP SUM PRICES govern, and w  4000 PSI, 3/4 inch, 610 Cement Concrete, per cubic yard	UST FILL IN THESE UNIT OR LUMP SUM PRICES. The BIDDER should also canted Totals"  r discrepancies, UNIT OR LUMP SUM PRICES govern, and written words take precedure 4000 PSI, 3/4 inch, 610 Cement Concrete, per cubic yard    Dollars and Cents

### TOTAL BID PRICE FOR WORK INCLUDING CONTINGENCY

The computed contra	ct price for all Items is:	
(AMOU	NT IN WORDS)	DOLLAR
AND	,	(AMOUNT BUFFELDINES)
NUMBER OF CAL	ENDAR DAYS TO COMPLETE	(AMOUNT IN FIGURES)  E PROJECT 300
THIS PROPOSAL IS	S BASED ON PROVISIONS OF T	HE FOLLOWING ADDENDA:
No	No.	
No	No.	



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6' DIA MANHOLE

PAVEMENT NOTES

### PAVEMENT MILLING AND OVERLAY:

- $1\frac{1}{2}$ " SUPERPAVE (9.5MM LEVEL 2) OVER ASPHALT EMULSION FOR TACK COAT OVER
- 1 ½" GRINDING AND MILLING

### ROADWAY FULL DEPTH RECONSTRUCTION:

 $1\frac{1}{2}$ " SUPERPAVE (9.5MM LEVEL 2) OVER ASPHALT EMULSION FOR TACK COAT OVER 2 ½" SUPERPAVE (12.5MM LEVEL 3) OVER

- ASPHALT EMULSION FOR TACK COAT OVER 4" SUPERPAVE (19MM LEVEL 2) OVER 4" DENSE GRADED CRUSHED STONE OVER
- 8" GRAVEL BORROW, TYPE B

### PROPOSED PAVEMENT OVER CULVERT

- $1\frac{1}{2}$ " SUPERPAVE (9.5MM LEVEL 2) OVER ASPHALT EMULSION FOR TACK COAT OVER 1 ½" SUPERPAVE (12.5MM LEVEL 3) OVER
- 4" (MIN.) DENSE GRADED CRUSHED STONE

### HOT MIX ASPHALT DRIVEWAY

1 ½ " SUPERPAVE (9.5MM LEVEL 2) OVER ASPHALT EMULSION FOR TACK COAT OVER 2 <sup>1</sup>/<sub>2</sub>" SUPERPAVE (12.5MM LEVEL 3) OVER 8" GRAVEL BORROW, TYPE B

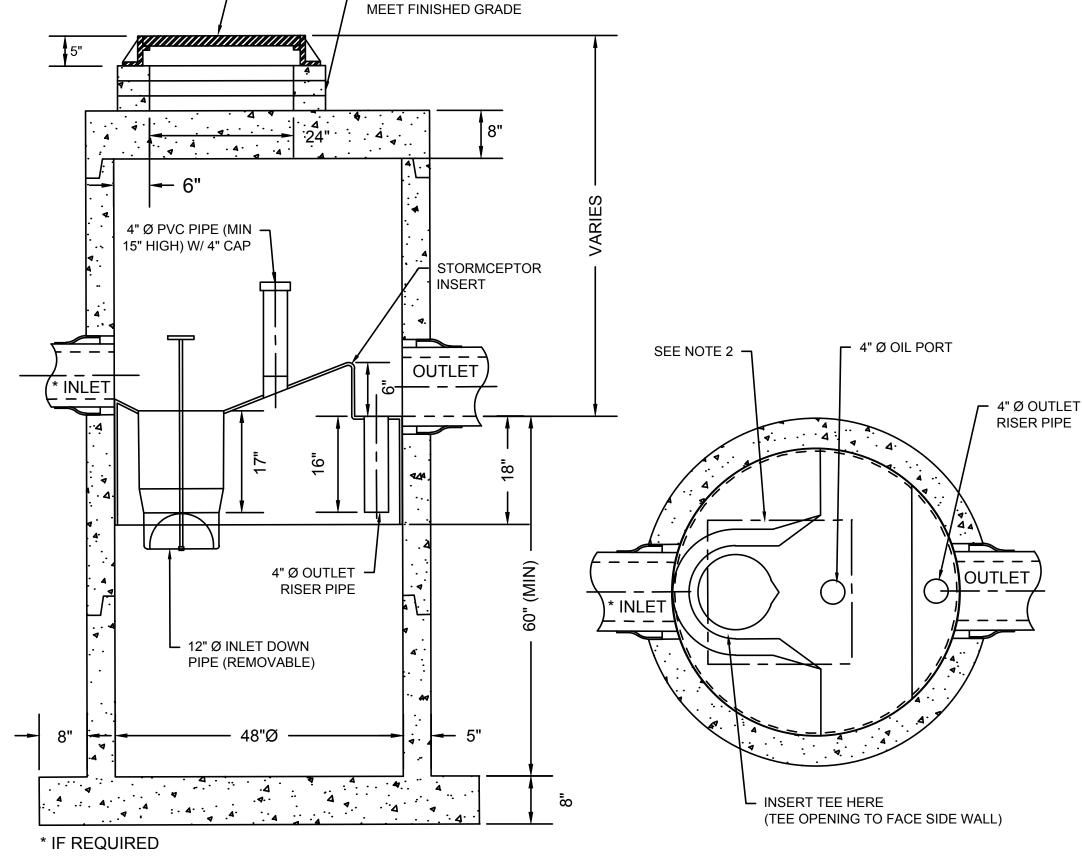
### **TEMPORARY PAVEMENT WIDENING:**

- 1 ½ " SUPERPAVE (9.5MM LEVEL 2) OVER ASPHALT EMULSION FOR TACK COAT OVER
- $2\frac{1}{2}$ " SUPERPAVE (12.5MM LEVEL 3) OVER 12" GRAVEL BORROW, TYPE B

TACK COAT SHALL BE APPLIED AT RATE OF 0.09 GALLON PER YARD OVER MILLED SURFACES AND 0.08 GALLON PER SQUARE YARD OVER SMOOTH PAVED SURFACES.

\*TOLERANCE FOR CONSTRUCTION ±0.5%

PLAN VIEW



NOTES:

- 1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
- 2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL PORT.

2 STORMWATER TREATMENT UNIT (SWTU)
SCALE: N.T.S.

SECTION THROUGH CHAMBER

1" RADIUS

--- 12" ----| 6" ± |---

- WORCESTER CITY

STANDARD GRATE INLET

- GRADE ADJUSTERS TO

─ HOT MIX ASPHALT (HMA)

PER MASSDOT M3.11.6

MACHINE FORMED BERM

EMULSION TACK COAT

LOAM & SEED

SALISBURY STREET CULVERT REPLACEMENT WORCESTER, MA 01609



Weston & Sampson

Weston & Sampson Engineers, Inc. 427 Main Street, Suite 400 Worcester, MA 01608 978.532.1900 800.SAMPSON

www.westonandsampson.com

Consultants:

evisi	ons:	
0.	Date	Description

/\ 8/7/2025 | ADDENDUM NO. 2

**BID DOCUMENTS** 

NO SCALE

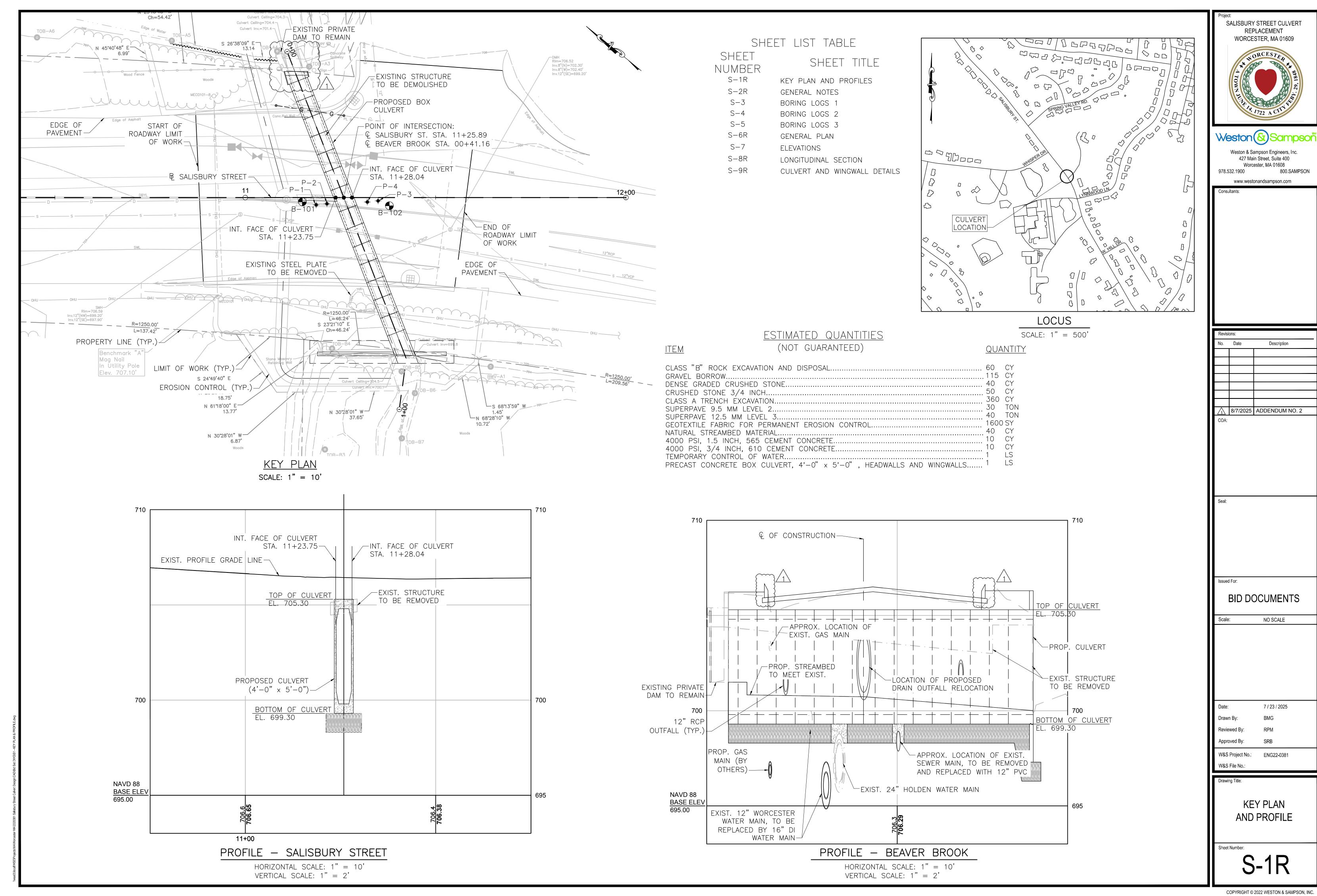
7 / 23 / 2025 CTC Drawn By: RP/JWS Reviewed By SRB

W&S Project No.: ENG22-0381 W&S File No.:

Drawing Title:

CONSTRUCTION **DETAILS 1** 

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# GENERAL NOTES

### <u>DESIGN</u>:

IN ACCORDANCE WITH THE 2020 AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS LRFD BRIDGE DESIGN SPECIFICATIONS FOR HL-93 LOADING.

### **BENCHMARK**:

MAG NAIL SET UP IN UTILITY POLE, ELEVATION 707.10'.

ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

# SURVEY:

ELECTRONIC SURVEY BY WESTON & SAMPSON PE, LS, LA, PC ON DECEMBER 9, 2021. WETLAND FLAGGING WAS PERFORMED BY WESTON & SAMPSON ON APRIL 28, 2022.

### SCALES:

SCALES NOTED ON THE PLANS ARE NOT APPLICABLE TO REDUCED SIZE PRINTS. DIVIDE SCALES BY 2 FOR HALF—SIZE PRINTS (A3).

### FOUNDATIONS:

FOUNDATIONS MAY BE ALTERED, IF NECESSARY, TO SUIT CONDITIONS ENCOUNTERED DURING CONSTRUCTION, WITH APPROVAL OF THE ENGINEER.

### UNSUITABLE MATERIAL:

ALL UNSUITABLE MATERIAL SHALL BE REMOVED WITHIN THE LIMITS OF THE FOUNDATIONS OF THE STRUCTURE, AS DIRECTED BY THE ENGINEER.

### CONCRETE FOR ALL DRECAST COMPONENTS SHALL BE 5000 DS

CONCRETE FOR ALL PRECAST COMPONENTS SHALL BE 5000 PSI.
CONCRETE FOR CAST—IN—PLACE CULVERT, HEADWALL, UTILITY PIPE INFILL TO BE 4000
PSI, 3 INCH 610 CEMENT CONCRETE.

CONCRETE FOR ENCASEMENT OF SEWER PIPE AND 24" WATER MAIN TO BE 4000 PSI, 1.5 INCH, 565 CEMENT CONCRETE.

### **REINFORCEMENT:**

REINFORCING STEEL SHALL BE EPOXY COATED AND CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 60. UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS, ALL BARS SHALL BE LAPPED AS FOLLOWS:

/					
	<u>MO</u> [	DIFICATION CONDITION	<u>#4 BARS</u>	<u>#5 BARS</u>	<u>#6 BARS</u>
>	1.	NONE	16"	19"	23"
	2.	12" OF CONCRETE BELOW BAR	20"	25"	30"
>	3.	COATED BARS, COVER < 3d <sub>b</sub> , OR	23"	29"	34"
>		CLEAR SPACING < 6d <sub>b</sub>			
`	4.	COATED BARS, ALL OTHER CASES	18"	23 <b>"</b>	27"
	5.	CONDITION 2. AND 3.	26"	32"	39"
>	6.	CONDITION 2. AND 4.	24"	30"	36"

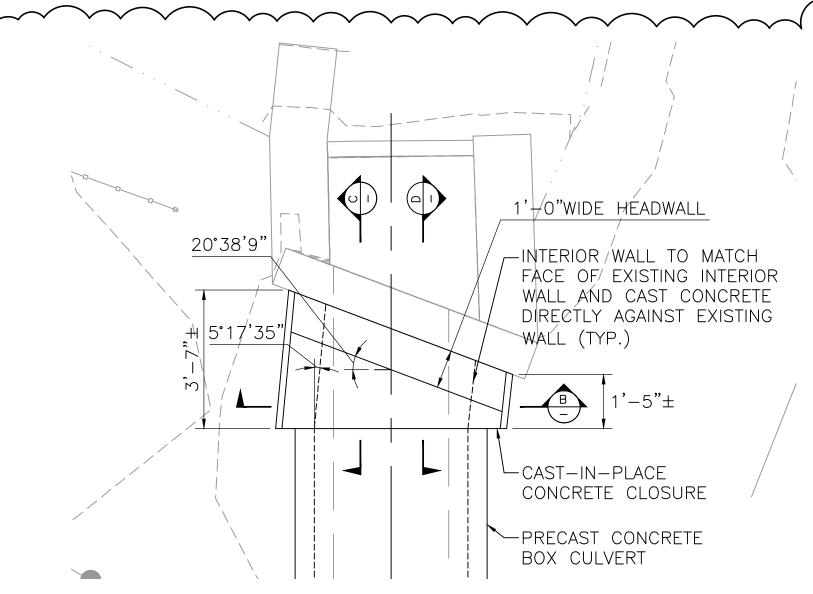
ALL OTHER BARS SHALL BE LAPPED AS SHOWN ON THE CONSTRUCTION DRAWINGS.

# MEMBRANE WATERPROOFING:

ALL MEMBRANE WATERPROOFING USED ON BRIDGE DECKS SHALL BE MEMBRANE WATERPROOFING FOR BRIDGE DECKS — SPRAY APPLIED.

# <u>UTILITES:</u>

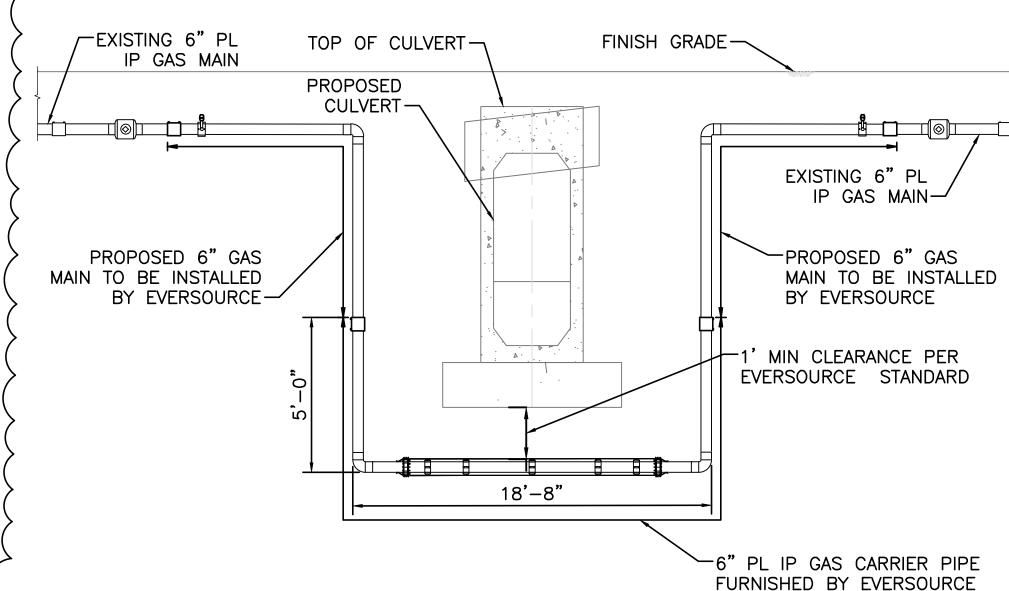
LOCATIONS OF EXISTING UTILITES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE.



UPSTREAM C.I.P CULVERT ENLARGED PLAN

SCALE: 1" = 30'





2. CONTRACTOR SHALL INSTALL GAS MAIN IN 3"-6" OF SAND.

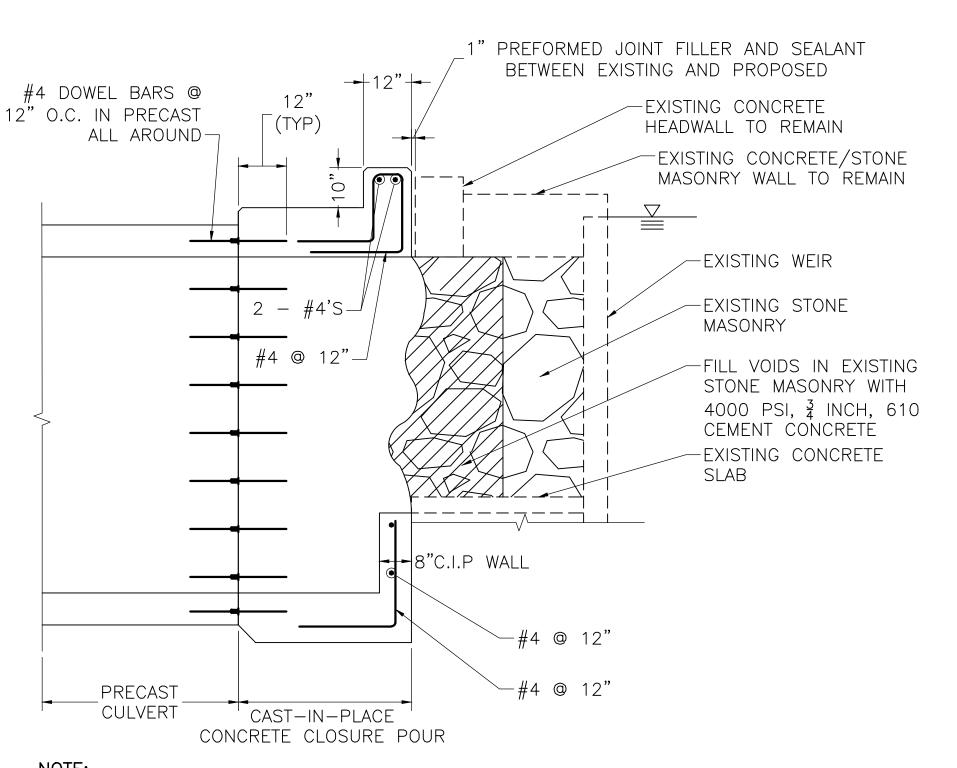
GAS MAIN AND CASING SHOWN TO THE LIMITS SHOWN.

3. AN EVERSOURCE REPRESENTATIVE SHALL BE ON SITE DURING ALL HANDLING AND INSTALLATION OF THE GAS MAIN BY CONTRACTOR.

AND INSTALLED BY CONTRACTOR

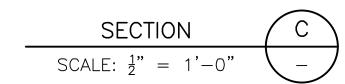
# PROPOSED GAS MAIN CULVERT CROSSING

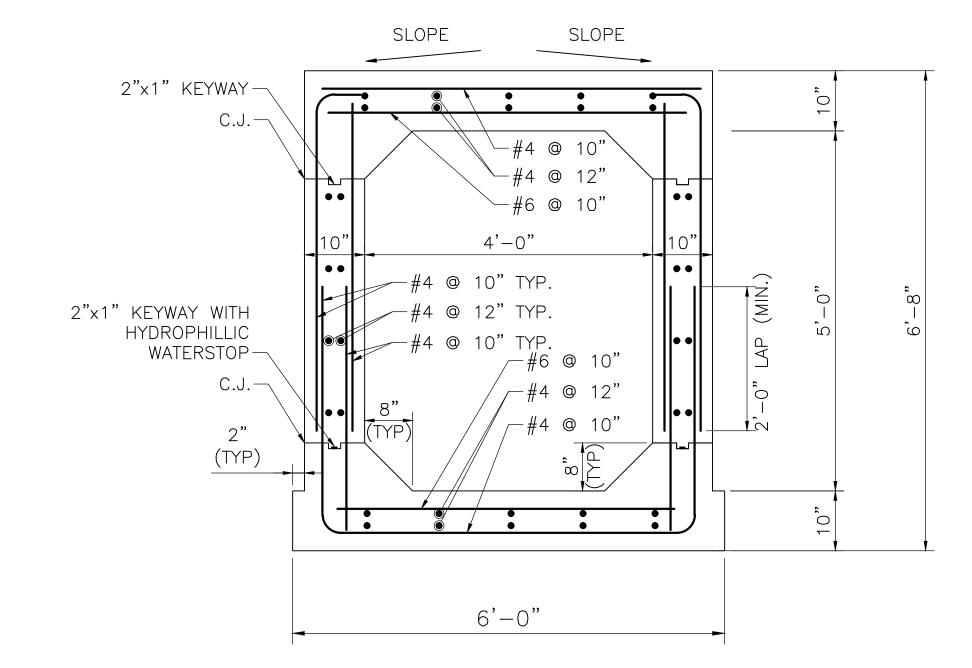
SCALE: 1" = 5

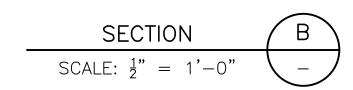


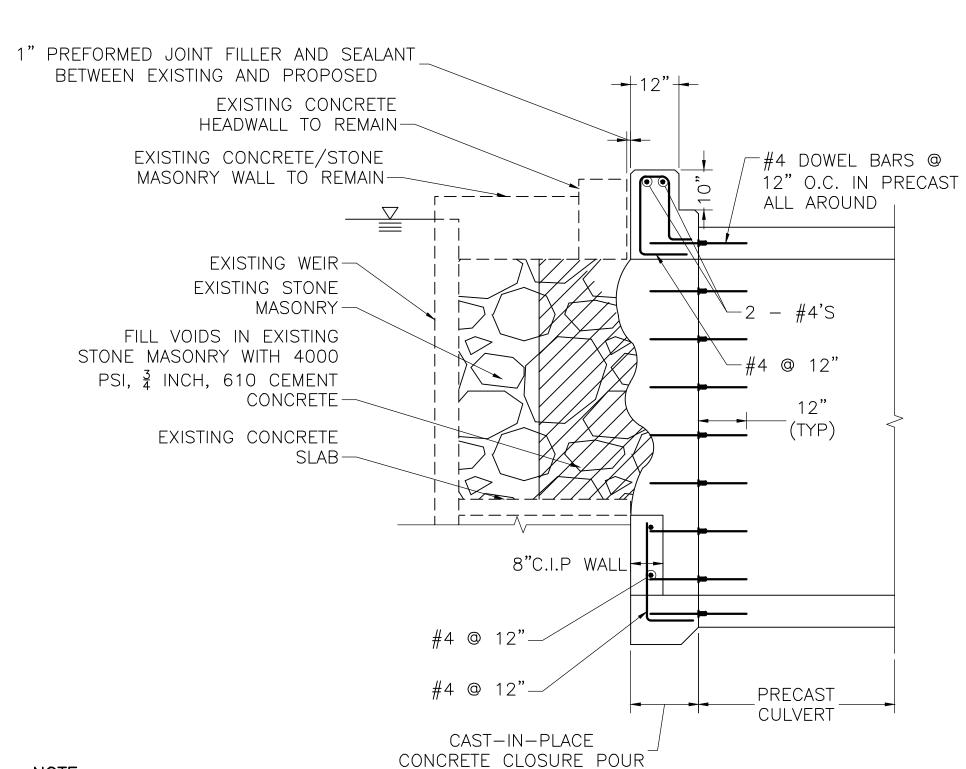
# NOTE:

- 1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS
- 2. CONTRACTOR MAY NEED TO PROVIDE TEMPORARY SHORING OF CONCRETE TO REMAIN









<u>TE:</u>

- 1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS
- 2. CONTRACTOR MAY NEED TO PROVIDE TEMPORARY SHORING OF CONCRETE TO REMAIN

SECTION D

SCALE:  $\frac{1}{2}$ " = 1'-0" -

REPLACEMENT
WORCESTER, MA 01609

SALISBURY STREET CULVERT

Weston & Sampson

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978.532.1900
800.SAMPSON

www.westonandsampson.com

Consultants:

Issued For:

BID DOCUMENTS

NO SCALE

Date: 7 / 23 / 2025
Drawn By: BMG

Approved By: SRB

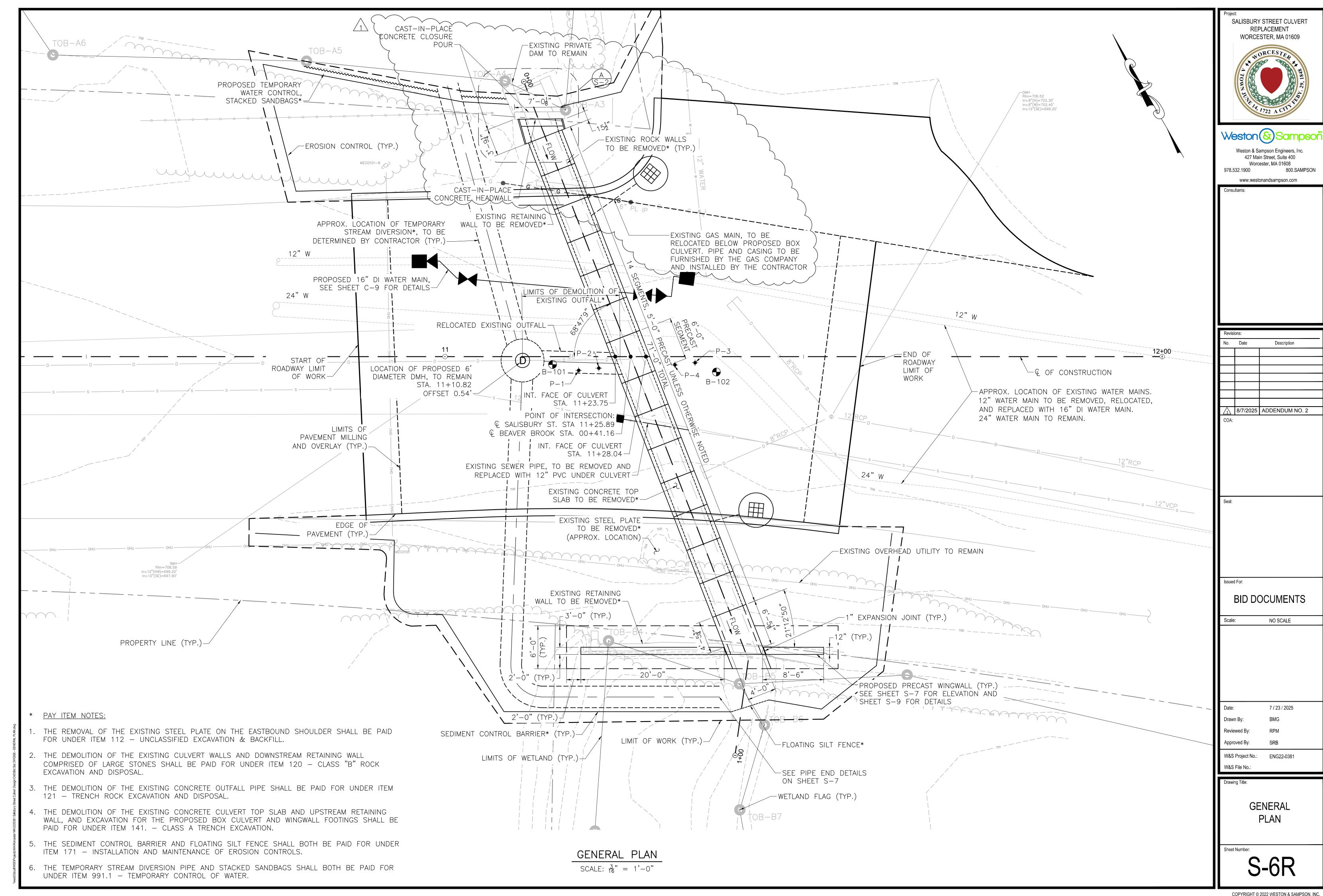
W&S Project No.: ENG22-0381

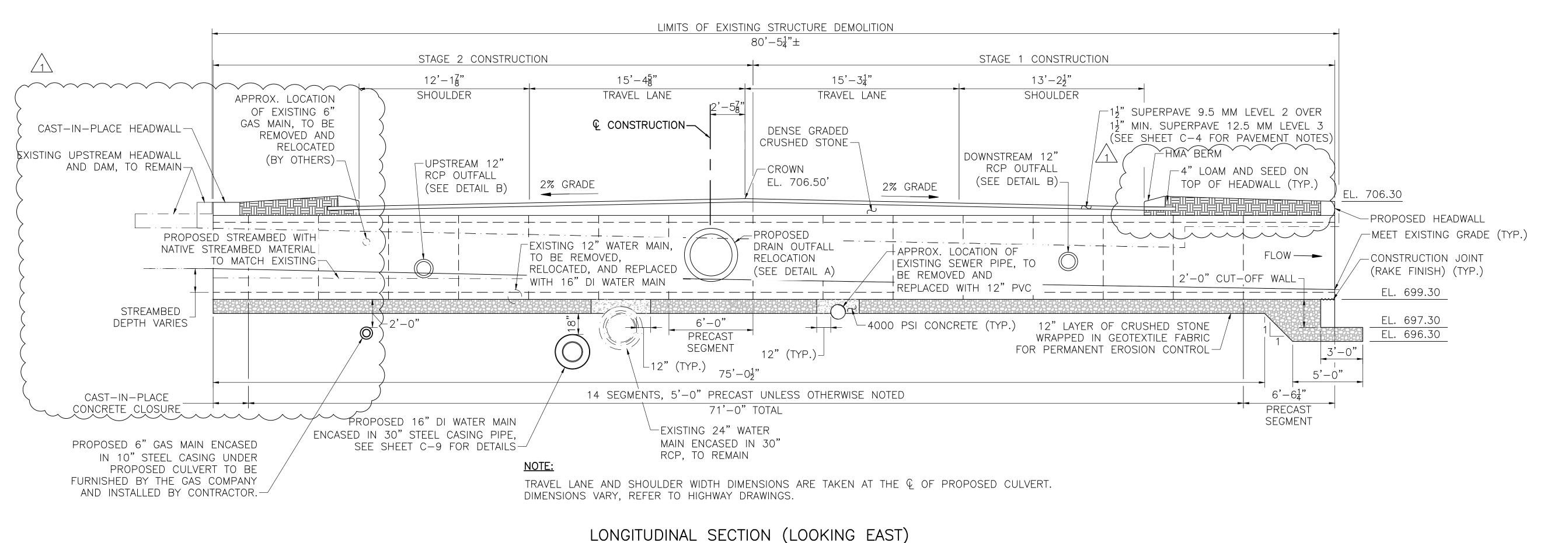
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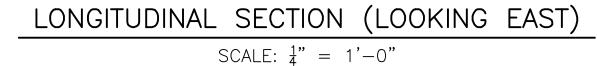
GENERAL NOTES

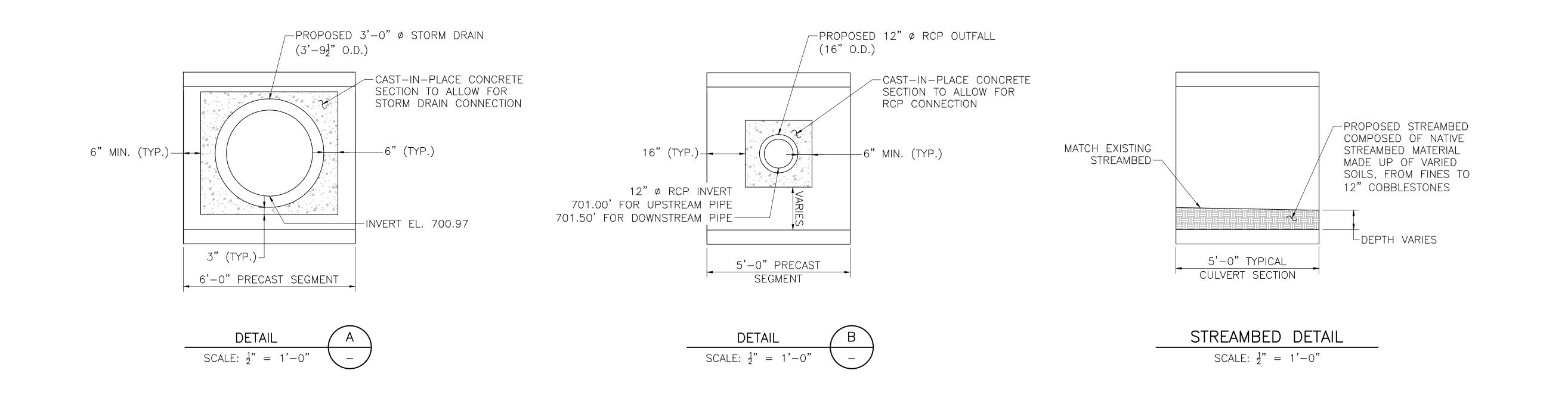
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Consultants:

Revisions:

No. Date Description

A provided the second of the second of

BID DOCUMENTS

NO SCALE

Date: 7 / 23 / 2025

Drawn By: BMG

Reviewed By: RPM

Approved By: SRB

W&S Project No.: ENG22-0381

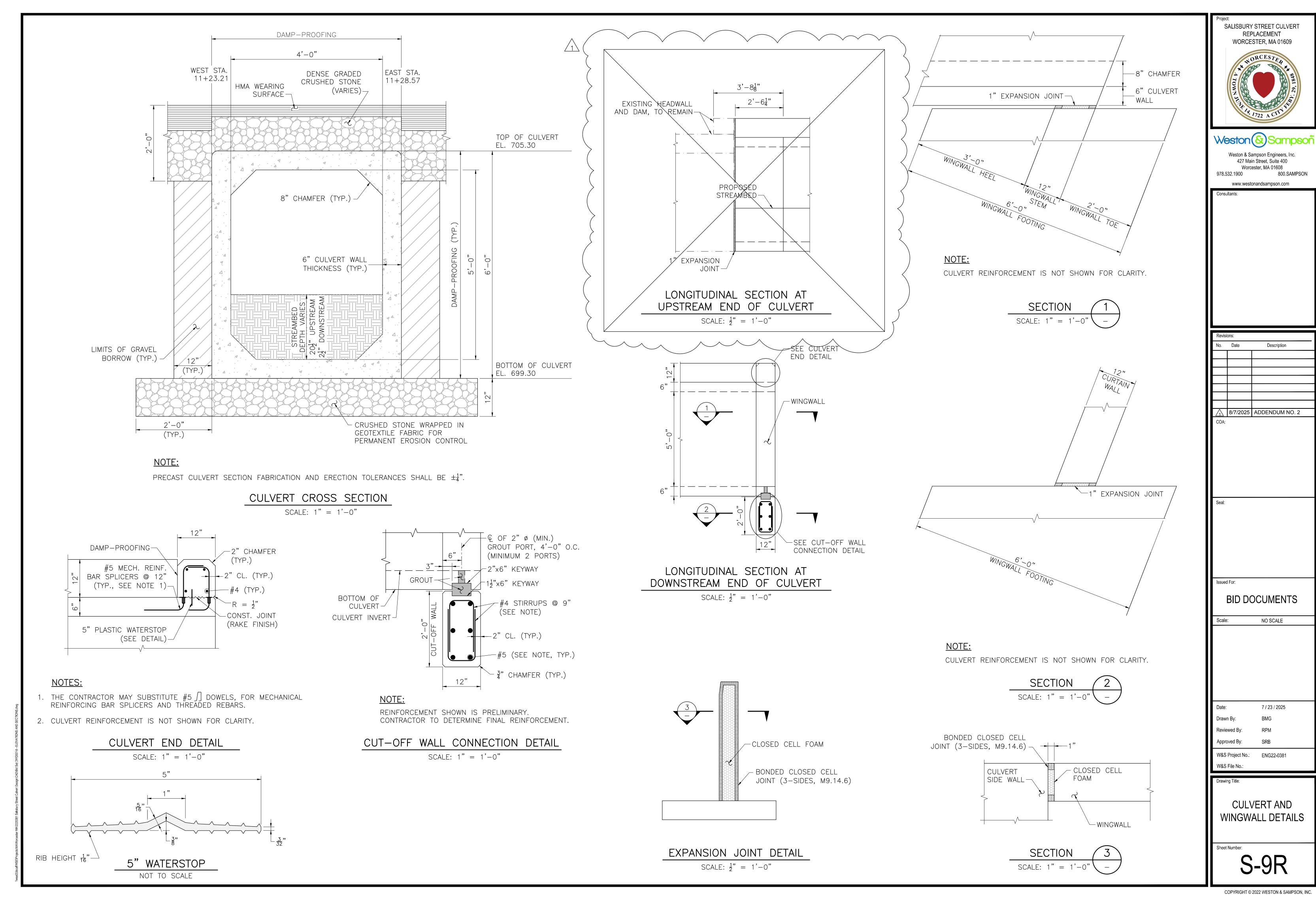
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W&S File No .:

LONGITUDINAL SECTION

eet Number:

3-0K



# CITY OF WORCESTER, MASSACHUSETTS SALISBURY STREET CULVERT REPLACEMENT

### PRE-BID CONFERENCE

DAY/TIME: July 31, 2025 @ 9:00 a.m.

LOCATION: 20 East Worcester Street (1st Floor Conference Room), Worcester, MA

### **SUMMARY**

Attendees: See attached sign-in sheet

- 1. Introductions of all in attendance. Highlighted the Owner and Engineer below.
  - a. Owner City of Worcester, Department of Public Works
  - b. Engineer Weston & Sampson
- 2. Bid Opening was discussed and Addendum No.1 revised the bid opening date as listed below. Bidders were reminded to acknowledge all Addenda in their bid forms.
  - a. Bid Opening: Wednesday, August 13, 2025 10:00 am
  - b. Location: Purchasing Division, Room 201, City Hall, Worcester, MA
- 3. Scope of Work for the project was reviewed as listed below.
  - a. Salisbury Street culvert carries Beaver Brook. Located approximately 300 feet south of Whisper Drive.
  - b. Removal and disposal of the existing stone masonry culvert.
  - c. Furnish and install new precast concrete box culvert and precast wingwalls on the downstream side. Culvert is to be lined with natural streambed material.
  - d. Installation of a new water main, gas main, and a section of sewer main beneath the proposed culvert.
  - e. Coordination with Eversource will be required for the installation of the temporary gas main and permanent gas main.
  - f. Installation of new drainage manhole and pipe.
  - g. Installation of new catch basins with stormwater treatment units.
  - h. Construction of the culvert is to be completed in two stages which will include the installation of a temporary traffic signal and controls.
  - i. Temporary support of excavation.
  - j. Temporary water control.
  - k. Temporary Stream Diversion.
  - I. Approach roadway reconstruction, milling and paving, loam and seeding.
- 4. Project Duration was reviewed as indicated below.
  - 1. Calendar Days: 300 days from NTP
  - 2. Anticipated NTP Date: November 10, 2025

- 5. Highlighted the following Special Provisions.
  - a. Hours of Operation
    - 1. Monday Friday, 7:00 am 5:00 pm
  - b. Winter Work
    - 1. Work shall be completed or suspended for the winter by November 30<sup>th</sup> unless a specific waiver is granted by the Contracting Officer.

### 6. Addendums

- a. Addendum No. 2 will be issued responding to bidders questions received to date.
- b. Reminded bidders that all questions must be submitted in writing by: Friday, August 8, 2025
- 7. Reviewed the Work or Service by Others (Section 01014 Scope and Sequence of Work).
  - a. Highlighted the Eversource Gas Main Coordination:
    - 1. Contractor is to provide 14 calendar days for Eversource to install the temporary gas main bypass.
    - 2. Contractor is to provide 14 calendar days for Eversource to install the permanent gas main.
    - 3. Contractor will be responsible for excavating and installing the proposed permanent gas main section below the proposed culvert. Eversource will furnish the permanent gas main piece to be installed under the culvert. Eversource will have a representative on site during the installation.
- 8. Reviewed Section 00890, Permits that have or need to be obtained.
  - a. Conservation Commission Order of Conditions is included in the specifications.
  - b. Trench Permit to be issued by the city upon request from the Contractor.
  - c. USACE Permit is included in the specifications.

### 9. Bidder Questions

- a. Question 1 Will the flow rates for the temporary waterway diversion be provided? Weston & Sampson responded that a similar question has already been received, and the response would be provided in Addendum No. 2.
- b. Question 2 Will the openings from the temporary diversion pipe in the proposed drainage manhole would need to be blocked up/sealed after the proposed culvert has been installed? Weston & Sampson responded that the intent would be to block up the drainage manhole openings after removal of the temporary diversion pipe.
- c. Question 3 What areas will be provided for the Contractor's staging and access? Weston & Sampson responded that the Contractor's staging is to be contained within the site and City right-of-way.
- d. Question 4 Who is paying for the police details? The City of Worcester responded that the police details will be paid by the City directly.
- e. Question 5 Is the project fully funded? The City of Worcester said the project is fully funded.

# CITY OF WORCESTER, MASSACHUSETTS SALISBURY STREET CULVERT REPLACMENT PROJECT

# PRE-BID CONFERENCE

Location: 20 East Worcester Street (1<sup>st</sup> Floor Conference Room), Worcester, MA 0160.

Date and Time: July 31, 2025 @ 9:00 am

SIGN-IN SHEET

	MSE	trad Oschiont
timothy of gucconstruction, com	GUC Construction	Tim O'Connor
broughter Cippins and son Com	5. BATISS & SOV	BILL COOCHIN
Divolls @ Luncesterma, -sou	CITY OF WORKESTER	SEAN DIVOL
Harrisd @ worcesterma, son	City of Worsester	David Harris
ludyde worzesterma.gov	City of Worester	Dylan Ludy
dancettad.com	Tool Conpany	Dan balante
manishio jhhanch.com	JH Jyrch	Wicherl Hough
100 estimating@ajvirailio.com	AJ Virgilia Constant	Lorie Rosas
401-318-988-888 CONSTRUCTION	FERREIER Const.	Sue ARYANDRE
PHONE/EMAIL	AFFILIATION	NAME