The City of WORCESTER

Administration & Finance – Purchasing Division
Christopher J. Gagliastro, MCPPO – Purchasing Director
455 Main Street, Room 201, Worcester, MA 01608
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May 27, 2026

To All Bidders:

Subject: **Bid No. 8691-J6 –Water Main Improvements–Chandler+May Street / 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 proposal request.

- The Bid Opening Date has been moved to Wednesday, June 10, 2026. Time remains at 10:00am local time.
- Reference file 8691-J6 - Water Main Improvements – Chandler + May Street - DPW - Specs+Pricing Sheets from the bid documents. Those Bid Form will be replaced by the Bid Forms included in this addendum.

Questions received by this office and responses from The City:

Q1. Is the sand bedding for the water main and services to be paid under bid item #125.00 (Sand Borrow)?

A1. All sand bedding for the water mains and services shall be paid under bid item #125 (sand borrow).

Q2. Is the gravel borrow for the temporary and permanent trench resurfacing to be paid under bid item #126.00 (Gravel Borrow)?

A2. All gravel borrow for the top 12-inches of the trench for temporary and permanent trench resurfacing shall be paid under bid item #126 (gravel borrow). Gravel borrow is to be installed after the pipe is installed and remains in place for both temporary and permanent trench resurfacing.

Q3. What is the trench width for the various size water mains, and for the temporary and permanent trench resurfacing?

A3. See Table No. 1 below for maximum trench width for various size water mains. Temporary pavement patch width shall be the same as the trench width. Permanent pavement patch width shall extend one (1) foot beyond the limits of excavation.

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Pipe Diameter (in.)	*Trench Width (in.)*
6 - 12	*36*
16	*D+36*
24	*D+48*
36+	*D+72*

Q4. Please verify that the saw cutting of the temporary and permanent trenches will be paid under bid item #434.00 (Sawing Pavement)?

A4. Saw cutting of the existing pavement for installation of the water main will be paid under Bid Item No. 434 (Sawing Pavement). No payment shall be made for any additional cutting that would be necessary to install temporary pavement or permanent pavement.

Q5. Is restrained joint pipe such as Flex Ring by American required at a certain diameter? Or will all pipe be push-on and then be restrained according to the table with bell/ Harness restraints or restrained gaskets?

A5. See Special Project Procedures 3.18, Ductile Iron Water Main. Water main shall be ductile iron. Ductile iron water main shall be furnished with push-on joints or push-on restrained joints. Restrained joints shall be restrained using ductile iron mechanical joint fittings with multiple wedging action thrust restraint glands such as EBAA Iron, Inc. MEGALUG or approved equal, and using Griffin "SNAP-LOCK", US Pipe HDSS restrained joint pipe or an approved equal. Restraint glands and restrained joint pipe shall be installed in strict accordance with the manufacturer's instructions. The Contractor shall reference the City of Worcester Department of Public Works & Parks Standard Construction Specifications and Details for all other information on the pipe requirements.

Q6. Worcester, MA specs state that Fast Grip Gaskets by American is an acceptable way to restrain a pipe joint. The plans show a detail for a bell and harness restraint. Are bell and harness restraints to be used or will Fast Grip gaskets be accepted in its place?

Please see quote from Worcester, MA specs- Section 300- Water, Item 301 Water Mains, Section B- Materials= "Joint Design: Ductile iron pipe shall be furnished with push-on joints or push-on restrained joints. Restrained joints shall be AMERICAN Fast-Grip, Flex-Ring, Mega-Lug, Lok-Ring or per-approved equal. All shall conform to AWWA C111."

A6. This information is from an older version of the City of Worcester's Standard Specifications. Please reference current City of Worcester Standard Specifications (linked on bid page).

Q7. The restrained joint table shown on the plans only goes up to 36-inch diameter. Will the 42-inch and 48-inch pipe be required to have restrained joints and if so, could the table be extended to include those diameters.

A7. All pipes with diameters of 30-inch and greater are required to have restrained push-on joints.

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Q8. American does not make fast-grip gaskets above 30-inch. Would the engineer want a mixture of push-on pipe mixed with Flex ring for the larger diameters, or would it be required for all of 36-inc, 42-inch and 48-inch pipe be flex-ring instead of a mixture of push-on and restrained joint?

A8. Griffin "SNAP-LOCK", US Pipe HDSS restrained joint pipe or an approved equal can be used for pipe diameters 36-inch and greater. Restraint glands and restrained joint pipe shall be installed in strict accordance with the manufacturer's instructions.

Q9. In section 02640 "Horizontal Gate Valves", Part 2 Products, Section 2.01, item 15 the provided specs state that "Valve shall come equipped with 3-inch bypass." Are all horizontal valves 16-inch to 48-inch required to have a bypass? If so, a 3-inch bypass is not standard to all valves that size. 48-inch valves come with a 4-inch bypass, 42-inch comes with 3-inch and then 36-inch to 24-inch are offered with a 2-inch bypass, and 16-inch does not come with an option for a bypass. If a bypass is required for all the horizontal valves will the spec be amended to the correct sizing for the bypass or will 3-inch be required?

A9. 48-inch valves shall have a 4-inch bypass, 42-inch valves shall have a 3-inch bypass, 24-inch through 36-inch valves shall have a 2-inch bypass, and no bypass is required for 16-inch valves.

Q10. In section 02640 "Horizontal Gate Valves", Part 2 Products, Section 2.01, item 13 of the provided specs state that "Fasteners shall be type 304, Type 316 stainless steel." Is this an option of 304 or 316? Or does the engineer have a preferred finish.

A10. The fasteners shall be Type 316 stainless steel.

Q11. In section 02640 "Horizontal Gate Valves", Part 2 Products, Section 2.01, item 16 the provided specs state that "Gate Valves shall be American made." There is no other language in the specs that calls out American made or federal funding. To what standard of American made are the gate valves to be held to, Will it be BABA or AIS or something different. Please specify.

A11. See the City of Worcester Department of Public Works & Parks Standard Construction Specifications and Details, Section 305 – 308, A. Materials, Country of Origin, page 83. All gate valves shall be manufactured, assembled, and tested in plants located within the continental United States.

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Q12. Is this an AIS or BABA project?

A12. No, this is not an AIS or BABA project, however per City of Worcester Department of Public Works & Parks Standard Construction Specifications and Details gate boxes must be BABA compliant and ductile iron pipe must be manufactured in North America.

Q13. For Bid Item No. 304.01, what does the City want for a valve box? Just a 3-piece standard valve box for all gate valves? The quantity is 57, which covers the 6-inch, 8-inch, and 12-inch valves. Is a standard valve box to be used on the large diameter valves?

A13. The specifications for the valve boxes can be found in Section 305-308, Valve Box Casting Requirements, page 80. Bid Item No. 304.01 covers the 6-inch, 8-inch, and 12-inch valve boxes. Valve boxes for valves 16-inch and larger are included in the various valve bid items.

Q14. No details or specifications are provided for Bid Item No. 314: 1-1/4-inch Aire Release Valves. What is included in this bid item?

A14. Refer to the detail sheet titled "1"-2" Manual Air Release" on page 331 of the City of Worcester's Standard Construction Specifications.

Q15. No details or specifications are provided for Bid Item No. 314.40: Blow Off Manhole. What is included in this bid item?

A15. Refer to the detail sheet titled "Blow Off Manhole" on page 333 of the City of Worcester Department of Public Works & Parks Standard Construction Specifications and Details.

Q16. Will the City allow a stainless steel tapping sleeve for Bid Item No. 311.4208 42-inch x 8-inch Tapping Sleeve and Valve?

A16. See page 98 of the City of Worcester Department of Public Works & Parks Standard Construction Specifications and Details. Rigid stainless steel tapping sleeves with removable bolts may be used. Sleeves shall be all stainless steel 304 (18-8) construction with a full gasket giving 360 degree pipe coverage. Sleeves may have stainless steel flange outlet to be used with standard tapping gate or mechanical joint (MJ) outlet suitable for with standard MJ x MJ resilient wedge gate valves per AWWA C509. Wrap around stainless steel sleeves shall not be allowed.

Q17. On Sheets C-2 through C-5, the existing gas main is located over the existing 48/42-inch water main to be replaced between STA 0+60 to 2+50, STA 8+75 to 10+00, and STA 13+25 to 14+75. Will the existing gas main be relocated out of the way prior to replacement of the 48/42-inch water main?

A17. The existing gas main will not be relocated prior to replacement of the 48/42-inch diameter water main.

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Q18. On Sheets C-4 and C-5, the existing electrical conduit is located over the existing 42-inch pipe to be replaced between STA 14+00 to STA 15+75. Will the existing electrical conduit be relocated out of the way prior to replacement of the 42-inch pipe?

A18. The existing electrical conduit will not be relocated prior to replacement of the 42-inch diameter water main.

Q19. To calculate the dewatering and chlorination limits of the proposed 48/42-inch pipe, please provide the distance west from the 48-inch valve at STA 0+75 to the next valve, and the distance east from the 42-inch valve at STA 17+05 to the next valve.

A19. The distance west from the 48-inch valve at STA 0+75 to the next valve is approximately 150 feet. The distance east from the 42-inch valve at STA 17+05 to the next valve is approximately 950 feet.

Q20. Will the large diameter valve cut ins require disinfecting the pipe from the closed valve to closed valve if completed in less than 10 days?

A20. Yes, the water main pipes from closed pipe to closed pipe will need to be disinfected prior to being brought back online following standard chlorination procedures.

Q21. Can a distribution map of the entire job with all the valve cut ins be provided?

A21. Yes, see attached Figure No. ADD-1 Project Area.

Q22. Please provide available boring logs to evaluate the potential need for Item 120.0000 – Class "B" Rock Excavation and Disposal. If rock is not anticipated, we respectively request the bid quantity be reduced accordingly.

A22. Subsurface investigation was only performed to top of pipe to determine depth of pipe. The quantity for Item No. 120.0000 is estimated. It is unknown if rock is below the existing pipe and will need to be removed prior to installation of new water main.

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Q23. Bid Item No. 305.0600: 6-Inch Gate Valves has a quantity of 28 but we could only locate less than 20 on the plans. Can the bid quantity be updated to reflect the plans?

A23. Eighteen (18) of the 6-inch valves are located on the Chandler Street water main portion of the project. The remaining 10 6-inch valves are located at various sites as part of the valve replacement portion of the project. See the figures in Appendix B of the specifications.

Q24. Please identify the plan sheets and locations where Bid Items 312.0600 and 312.0800 for 6-inch and 8-inch tie ins are to be used.

A24. The tie in locations are at any location in the Chandler Street/May Street plans and the figures in Appendix B where the new main is connecting into existing water main or existing service 4-inches and greater. In addition, the hydrant laterals for the new hydrants being installed along the mains with large diameter valves being replaced count as tie ins if the new lateral is being connected to the existing hydrant tee. The quantities and additional bid items have been updated in the updated Bid Form as part of this addendum.

Q25. Bid Item 301.0600 appears to include an additional 250 linear feet that we cannot located on the plans. Please confirm the location or revise the estimated quantity to match the plan quantities shown.

A25. The additional 250 linear feet of 6-inch diameter water main is associated with the large valve replacements at other locations. See the figures in Appendix B of the specifications.

Q26. We can only locate approximately 80 linear feet of Bid Item 301.1600 for 16-inch zinc coated CLDI pipe on the plans. Is there a plan sheet missing, if not, can the quantity be revised to match the plans?

A26. The remainder of the 16-inch diameter zinc coated CLDI is for installation at the large valve replacement locations. See the figures in Appendix B of the specifications.

Q27. Bid Item 301.5000 – Polyethylene Wrap For Ductile Iron Pipe appears to include approximately 1,000 linear feet above what is shown on the plans. Please confirm the quantity or revise it to match the plan quantities shown.

A27. The additional quantity is for the water main being installed as part of the valve replacement portion of the project. See the figures in Appendix B of the specifications.

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Q28. Please provide the location(s) where Bid Item No. 305.1650 is to be used.

A28. A unit price for Bid Item No. 305.1650 is needed in the event a regular 16-inch gate valves will not fit at any of the locations depicted in Figures 3E-P, 3F-P and 4P.

Q29. Please provide the location(s) where Bid Item No. 307.24 is to be used.

A29. A unit price for Bid Item No. 307.24 is needed in the event a 24-inch horizontal gate valves will not fit at any of the locations depicted in Appendix B.

Q30. Please provide the locations of all proposed 1-1/4-inch air release valves associated with Bid Item 314.1000.

A30. The exact locations of the 1-1/4-inch air release valves will be determined during construction.

Q31. Please clarify the surface restoration details for the pipe trenches.

A31. Temporary trench pavement shall be installed along the Chandler Street water main portion of the project each Friday. Temporary pavement shall be installed at each valve replacement location prior to moving to the next location. The permanent paving schedule shall follow the City of Worcester Department of Public Works & Parks Standard Construction Specifications and Details. The detail drawings for temporary and permanent patch paving are located on page 345 of the City of Worcester Department of Public Works & Parks Standard Construction Specifications and Details.

Q32. Please clarify where the temporary pavement is being installed on the project.

A32. Temporary pavement shall be installed at all locations where excavation takes place in the street.

Q33. Please clarify where we should assume to install the permanent paving.

A33. Permanent paving shall be installed at all valve replacement locations. Permanent paving is not to be installed along the Chandler Street water main portion of the project.

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Q34. Please provide thrust block details and dimensions for all pipe sizes on the project.

A34. See attached figures for thrust block details and dimensions for up to 24-inch diameter pipes. These figures will replace the City of Worcester Department of Public Works & Parks Standard Construction Specifications and Details for this project. Thrust blocks for water main larger than 24-inch diameter will need to be sized in the field based on available underground space.

Q35. Bid Item No. 221-1515 is a dual 15-inch sewer and 15-inch RCP drain pipeline item. Is this the correct item to cover the work shown on the plans to relay the 15-inch RCP drain line?

A35. This is the correct bid item number.

Q36. There are two bid items listed in the special conditions that cover the connections at Chandler Street at Mann Street plus Beaver Brook Booster Pump Station. Will the Owner consider creating bid items for the large diameter valve cut-ins listed in the Special Project Procedures and shown in Appendix B like these two connections? It appears the work shown in Appendix B will be rolled into "mainline" work items but the cut-ins occur at the end of the project schedule, a lump sum for each would make more sense for measurement and payment purposes.

A36. Except for the two lump sum bid items, the work at the other locations will be paid based on the quantity installed. At some of the locations the limit is work is estimated. The exact length of water main to be installed will be determined in the field.

Q37. Can you please clarify the limits of shutdowns for each of the large diameter gate valve installations shown in Appendix B so we can determine the limits of pipeline dewatering required for each installation location?

A37. Reference the Shutdown Area figures in Appendix A.

Q38. Within Appendix B, Figure 3E-P shows a new section of 16-inch CLDI pipe to be installed heading north. What is the overall length we should assume will be installed heading this direction on Lovell Street?

A38. Test pits will need to be excavated to determine where the existing 8-inch diameter main unlined cast iron water main ends. Length of new water main will be a maximum of approximately 175 feet, the approximate distance to the shut down valve.

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Q39. Could you please confirm the location of all hydrants, air release valves, and blowoffs to be replaced in the shutdown areas. Will the hydrant replacements include a new 6-inch valve and hydrant lateral.

A39. The hydrants in the shutdown areas will be replaced in the same location as the existing hydrants. All hydrant replacements include hydrant laterals and new 6-inch gate valves. Exact air release valve and blowoff locations will be determined during construction.

Q40. The total quantity of new water main in the bid is 6,370 linear feet. The temporary paving total is 3,400 linear feet. Why is the paving quantity so much lower than the pipe quantity?

A40. The quantity for both temporary and permanent trench resurfacing is in square yards.

Q41. Will test shutdowns be conducted for the connections and valve replacements? If water is not able to be controlled through shutdowns, how will the down time be handled?

A41. Test shutdowns will not be conducted. The City will exercise the valves prior to the contractor starting excavation. If a valve cannot be completely closed, the Contractor shall move to the next shutdown area, and any downtime will be addressed by change order.

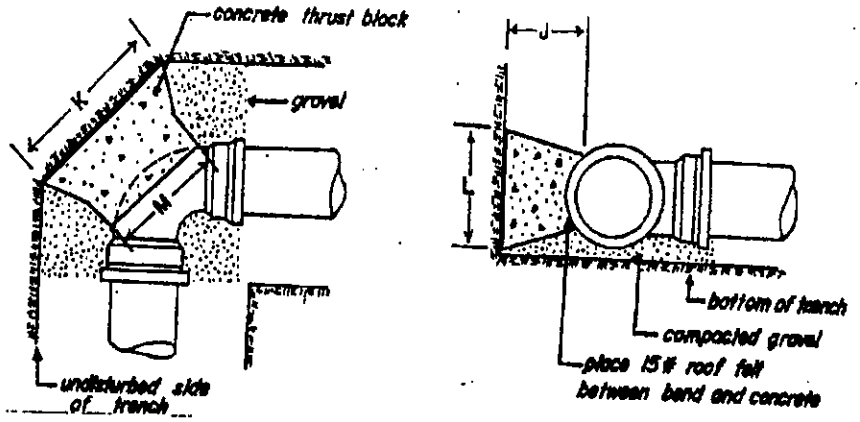
Q42. Will the City consider upsizing air vents significantly for the large diameter pipes?

A42. Yes, air release valves can be up to 2-inches on water mains larger than 24-inch in diameter. Air release valves shall be 1-1/4-inch on water mains 24-inch diameter and smaller.

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

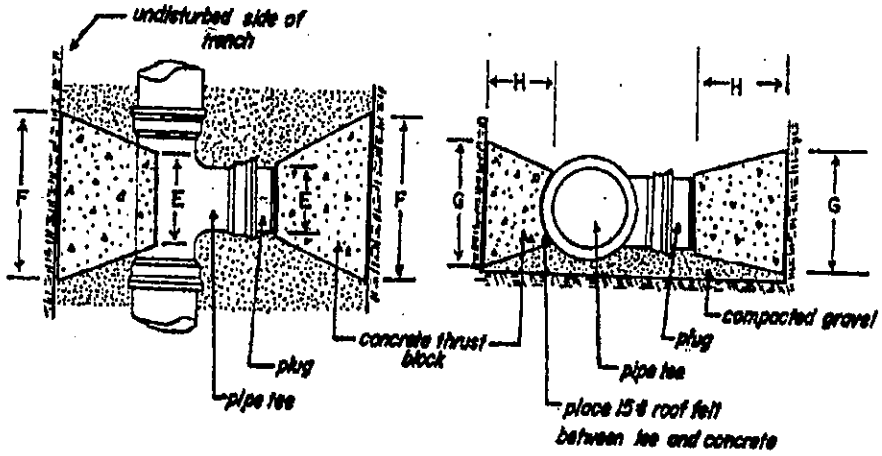
Very truly yours,

Jerry Kucera
Buyer



PLAN SECTION

TYPICAL PLACEMENT ON BENDS



PLAN SECTION

TYPICAL PLACEMENT ON FITTINGS

THRUST BLOCK DETAILS T Y P I C A L C I T Y O F W O R C E S T E R Department of Public Works No Scale Water Operations	Rev. no. by	date
	Drawn By: R.H.	Detail
	Checked By: A.C.M.	W-12
	DaTe: 2/24/78	

Dimensions for Blocks behind Tees and Plugs – Horizontal Thrust

	E	F	G	H	Volume (CU. YD.)
6"	1' 0"	1' 6"	2' 0"	1' 0"	0.06
8"	1' 0"	2' 0"	2' 6"	1' 0"	0.09
12"	1' 0"	3' 0"	3' 6"	1' 3"	0.20
16"	1' 3"	4' 0"	4' 0"	1' 6"	0.40
24"	1' 6"	7' 0"	5' 0"	2' 0"	1.2

Dimensions for Blocks behind Bends – Horizontal Thrust

		¼ (90°) Bend	1/8 (45°) Bend	1/16 (22 1/2°) Bend	1/32 (11 1/4°) Bend
6"	J	1' 0"	1' 0"	1' 0"	1' 0"
	K	2' 0"	1' 0"	1' 0"	1' 0"
	L	2' 0"	2' 0"	1' 0"	1' 0"
	M	1' 0"	1' 0"	1' 0"	1' 0"
Volume (cu yd)		0.07	0.04	0.03	0.03
8"	J	1' 0"	1' 0"	1' 0"	1' 0"
	K	2' 6"	1' 6"	1' 0"	1' 0"
	L	3' 0"	2' 6"	2' 0"	1' 0"
	M	1' 0"	1' 0"	1' 0"	1' 0"
Volume (cu yd)		0.13	0.07	0.05	0.03
12"	J	1' 3"	1' 3"	1' 3"	1' 3"
	K	3' 6"	2' 6"	2' 0"	1' 0"
	L	3' 0"	3' 0"	2' 0"	2' 0"
	M	1' 0"	1' 0"	1' 0"	1' 0"
Volume (cu yd)		0.23	0.12	0.11	0.07
16"	J	1' 6"	1' 6"	1' 6"	1' 6"
	K	4' 6"	3' 0"	2' 6"	1' 6"
	L	5' 0"	4' 0"	3' 0"	2' 6"
	M	1' 3"	1' 3"	1' 3"	1' 6"
Volume (cu yd)		0.58	0.35	0.23	0.16
24"	J	2' 0"	2' 0"	2' 0"	2' 0"
	K	7' 0"	4' 6"	3' 5"	2' 6"
	L	7' 0"	6' 0"	4' 0"	3' 0"
	M	1' 6"	1' 6"	1' 6"	1' 6"
Volume (cu yd)		1.58	1.0	0.58	0.45

Tory Fort BPS
(HS to SHS
or LS to SHS)

See Figure No. 4-P for proposed intersection improvements.

12-inch valve to be closed

12-inch valve to be closed

New 24-inch valve to be installed as part of Chandler Street Water Main Improvements

Chandler Street/May Street intersection improvements to be completed as part of Chandler Street Water Main Improvements

Chandler Street/Claridge Drive intersection improvements to be completed as part of Chandler Street Water Main Improvements

V-541 to be replaced as part of Chandler Street Water Main Improvements

V-780 to be closed.
V-780 to be replaced as part of Chandler Street Water Main Improvements

V-481 to be replaced as part of Chandler Street Water Main Improvements

New 24-inch valve to be installed as part of Chandler Street Water Main Improvements

V-529 to be replaced as part of Chandler Street Water Main Improvements

V-1112 to be closed

See Figure No. 2B-P for proposed intersection improvements.

V-1354 to be closed

V-1379 to be closed

V-1372 to be closed. Reference Specification Section 01100 Special Project Procedures

16-inch insertion valve to be installed

V-1556 to be closed

V-2036 to be replaced. See Figure No. 3F-P.

See Figure No. 2A-P for proposed intersection improvements.

See Figure No. 3E-P for proposed intersection improvements.

8-inch valve to be closed

V-2488 to be replaced. See Figure No. 3E-P.

See Figure No. 3F-P for proposed intersection improvements.

V-1911 to be closed

MV-4951 to be closed

MV-9168 to be closed

V-0 to be closed

See Figure No. 3D-P for proposed intersection improvements.

Beaver Brook BPS (LS to HS Standby)

See Figure No. 3A-P for proposed intersection improvements.

42-inch valve to be closed

V-2907 to be removed. See Figure No. 1A-P.

See Figure No. 3C-P for proposed improvements at Beaver Brook BPS inlet.

V-2671 to be replaced. See Figure No. 3B.

V-2890 to be closed

V-1106 to be closed

V-1675 to be closed

V-1123 to be closed

V-2018 to be replaced. See Figure No. 1B.

V-2235 to be replaced. See Figure No. 1B.

V-2901 to be replaced. See Figure No. 1A-P.

V-2933 to be closed

V-2959 to be closed

Legend

- Hydrant
- Main Line Valve
- Division Gate
- Blow Off

Water Main Diameter

- 4-Inch and smaller
- 6-Inch
- 8-Inch
- 10-Inch
- 12-Inch
- 14-Inch
- 16-Inch
- 18-Inch
- 20-Inch
- 24-Inch
- 30-Inch
- 36-Inches and Greater

N

Figure No. ADD-2 Project Area Chandler Street Water Main Improvements and Large Diameter Valve Replacements Worcester, Massachusetts

TATA & HOWARD

Approximate Scale: 1" = 400'
May 2026

Chandler Street Large Valve Replacement 190-26
8691-J6

THE BIDDER MUST FILL IN THESE UNIT PRICES. Also carry out all extensions and fill in "Computed Totals."
In case of error or discrepancies, UNIT PRICES govern and written works take precedence over figures.

ITEM NUMBER AND DESCRIPTION		ESTIMATED QUANTITY	COMPUTED TOTALS
112.0000	UNCLASSIFIED EXCAVATION & BACKFILL		
	_____		
	_____ Dollars	500.00	$ _____
	($ _____) CY		
120.0000	CLASS "B" ROCK EXCAVATION AND DISPOSAL		
	_____		
	_____ Dollars	600.00	$ _____
	($ _____) CY		
122.0000	EARTH EXCAVATION BELOW NORMAL GRADE		
	_____		
	_____ Dollars	400.00	$ _____
	($ _____) CY		
125.0000	SAND BORROW		
	_____		
	_____ Dollars	1,660.00	$ _____
	($ _____) CY		
126.0000	GRAVEL BORROW		
	_____		
	_____ Dollars	1,110.00	$ _____
	($ _____) CY		
150.0000	FURNISH AND SPREAD CALCIUM CHLORIDE		
	_____		
	_____ Dollars	3,120.00	$ _____
	($ _____) LB		
171.0000	INSTALLATION AND MAINTENANCE OF EROSION CONTROLS		
	_____		
	_____ Dollars	300.00	$ _____
	($ _____) LF		
221.1515	TRENCH EXCAVATION AND BACKFILL, FURNISH AND INSTALL 15" PVC & 15" RCP		
	_____		
	_____ Dollars	240.00	$ _____
	($ _____) LF		
230.5000	5' MANHOLE BASE		
	_____		
	_____ Dollars	1.00	$ _____
	($ _____) EA		

ITEM NUMBER AND DESCRIPTION		ESTIMATED QUANTITY	COMPUTED TOTALS
230.6000 6' MANHOLE BASE			
_____			
_____	Dollars	1.00	$ _____
($	) EA		
230.7000 7' MANHOLE BASE			
_____			
_____	Dollars	1.00	$ _____
($	) EA		
231.5000 5' MANHOLE SECTION			
_____			
_____	Dollars	10.00	$ _____
($	) VF		
231.6000 6' MANHOLE SECTION			
_____			
_____	Dollars	10.00	$ _____
($	) VF		
231.7000 7' MANHOLE SECTION			
_____			
_____	Dollars	10.00	$ _____
($	) VF		
236.0000 MANHOLE FRAME & COVER			
_____			
_____	Dollars	3.00	$ _____
($	) EA		
301.0100 1” Polyethylene Tubing			
_____			
_____	Dollars	160.00	$ _____
($	) LF		
301.0600 6” Zinc Coated CLDI Pipe			
_____			
_____	Dollars	620.00	$ _____
($	) LF		
301.0800 8” Zinc Coated CLDI Pipe			
_____			
_____	Dollars	410.00	$ _____
($	) LF		
301.1200 12” Zinc Coated CLDI Pipe			
_____			
_____	Dollars	170.00	$ _____
($	) LF		

ITEM NUMBER AND DESCRIPTION		ESTIMATED QUANTITY	COMPUTED TOTALS
301.1600 16” Zinc Coated CLDI Pipe			
	Dollars	770.00	$
	($) LF		
301.2400 24” Zinc Coated CLDI Pipe			
	Dollars	1,730.00	$
	($) LF		
301.3000 30” Zinc Coated CLDI Pipe			
	Dollars	800.00	$
	($) LF		
301.3600 36” Zinc Coated CLDI Pipe			
	Dollars	40.00	$
	($) LF		
301.4200 42” Zinc Coated CLDI Pipe			
	Dollars	570.00	$
	($) LF		
301.4800 48” Zinc Coated CLDI Pipe			
	Dollars	1,100.00	$
	($) LF		
301.5000 Polyethylene Wrap for Ductile Iron Pipe			
	Dollars	6,200.00	$
	($) LF		
302.1000 Cast or Ductile Fittings			
	Dollars	38,700.00	$
	($) LB		
304.0100 VALVE BOX			
	Dollars	57.00	$
	($) EA		
305.0600 6” Gate Valve			
	Dollars	28.00	$
	($) EA		

ITEM NUMBER AND DESCRIPTION		ESTIMATED QUANTITY	COMPUTED TOTALS
305.0800 8” Gate Valve			
	Dollars	22.00	$
	($) EA		
305.1200 12” Gate Valve			
	Dollars	7.00	$
	($) EA		
305.1600 16" Gate Valve			
	Dollars	4.00	$
	($) EA		
305.1650 16" Horizontal Gate Valve			
	Dollars	3.00	$
	($) EA		
305.2450 24" Horizontal Gate Valve			
	Dollars	9.00	$
	($) EA		
305.3050 30" Horizontal Gate Valve			
	Dollars	1.00	$
	($) EA		
305.3650 36" Horizontal Gate Valve			
	Dollars	3.00	$
	($) EA		
305.4250 42" Horizontal Gate Valve			
	Dollars	5.00	$
	($) EA		
305.4850 48" Horizontal Gate Valve			
	Dollars	2.00	$
	($) EA		
307.2400 24” Butterfly Valve			
	Dollars	1.00	$
	($) EA		

ITEM NUMBER AND DESCRIPTION		ESTIMATED QUANTITY	COMPUTED TOTALS
309.1000 Service Connection			
	Dollars	6.00	$
	($) EA		
309.2000 Service Box and Curb Stop			
	Dollars	6.00	$
	($) EA		
310.1000 New Hydrant			
	Dollars	18.00	$
	($) EA		
310.3000 Hydrant Removed and Stacked			
	Dollars	14.00	$
	($) EA		
311.4208 42"x8" Tapping Sleeve & Valve			
	Dollars	1.00	$
	($) EA		
312.0400 4” Tie-in			
	Dollars	1.00	$
	($) EA		
312.0600 6” Tie-in			
	Dollars	13.00	$
	($) EA		
312.0800 8” Tie-in			
	Dollars	12.00	$
	($) EA		
312.1200 12” Tie-in			
	Dollars	5.00	$
	($) EA		
312.1600 16” Tie-in			
	Dollars	6.00	$
	($) EA		

ITEM NUMBER AND DESCRIPTION		ESTIMATED QUANTITY	COMPUTED TOTALS
312.2400 24” Tie-in			
	Dollars	2.00	$
	($) EA		
312.4200 42” Tie-in			
	Dollars	1.00	$
	($) LF		
312.4800 48” Tie-in			
	Dollars	1.00	$
	($) EA		
313.1000 Thrust Block			
	Dollars	15.00	$
	($) CY		
314.1000 1-1/4” Air Release Valve			
	Dollars	19.00	$
	($) EA		
314.4000 Blow Off Manhole			
	Dollars	7.00	$
	($) EA		
316.0200 Temporary 2” By-Pass			
	Dollars	2,500.00	$
	($) LF		
316.0400 Temporary 4” By-Pass			
	Dollars	4,700.00	$
	($) LF		
316.0600 Temporary 6” By-Pass			
	Dollars	3,900.00	$
	($) LF		
317.0000 Temporary Taps on Service Laterals			
	Dollars	55.00	$
	($) EA		

ITEM NUMBER AND DESCRIPTION		ESTIMATED QUANTITY	COMPUTED TOTALS
322.1600 16” Inserting Valve			
	Dollars	2.00	$
($	) EA		
323.0000 Line Stop (various sizes)			
	Dollars	2.00	$
($	) EA		
416.0000 CURB REMOVE AND RESET			
	Dollars	120.00	$
($	) LF		
434.0000 SAWING PAVEMENT			
	Dollars	12,500.00	$
($	) LF		
436.0000 RESURFACE TRENCHES TEMPORARY			
	Dollars	3,400.00	$
($	) SY		
436.0100 RESURFACE TRENCHES PERMANENT			
	Dollars	900.00	$
($	) SY		
442.1000 CONCRETE SIDEWALK REPAIR <25 L.F.			
	Dollars	180.00	$
($	) SY		
446.3000 EXCAVATABLE CONTROL DENSITY FILL (CDF)			
	Dollars	100.00	$
($	) CY		
900.0000 Lump Sum Reserve			
two hundred fifty thousand and xx / 100	Dollars		$ 250,000.00
912.1000 Chandler Street at Mann St Connection			
	Dollars	1.00	$
($	) LS		

ITEM NUMBER AND DESCRIPTION		ESTIMATED QUANTITY	COMPUTED TOTALS
912.2000 Beaver Brook BPS Connection			
	Dollars	1.00	$
	($) LS		
938.2001 Night Work			
	Dollars	20.00	$
	($) EA		
953.2020 SILT SACK			
	Dollars	22.00	$
	($) EA		

TOTAL BID PRICE INCLUDING CONTINGENCY

_____Dollars and _____Cents
(amount in words)

$ _____
(amount in figures)

This proposal is based on provisions of the following addenda:

No. _____ No. _____

No. _____ No. _____

All amounts and totals given above will be subject to verification by the City. In case of variation between Unit Bid Price and Totals shown by the Bidder, the Unit Price written in words will be considered to be the bid.

The City reserves the right to reject any and all bids, wholly or in part, and to make awards in a manner deemed in the best interests of the City.

The above estimated quantities form an approximate statement of the extent of the work to be done, based upon the estimate of the Contracting Officer. The City does not expressly or by implication agree that the actual quantity of work will correspond therewith, but reserves the right to increase or decrease the quantity of any class or portion of the work, as may be deemed necessary by the Contracting Officer.