

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 3

1. CONTRACTOR: James Construction Group, LLC
2. Change Order Work Limits: Sta. 139+10.75 to Sta. 205+27.24
3. Type of Change (on federal-aid non-exempt projects): Minor (Major/Minor)
4. Reasons: 3F (3 Max. - In order of importance - Primary first)

Project: 22IFB57
CR 401
Roadway: Reconstruction
CSJ
Number: _____

5. Describe the work being revised:

3F. County Convenience. Additional work desired by the County. This Change Order changes the City of Taylor water line pipe material from ductile iron to PVC. This is necessary, due to the availability of materials.

6. Work to be performed in accordance with Items: See attached.
7. New or revised plan sheet(s) are attached and numbered: _____
8. New Special Provisions/Specifications to the contract are attached: ☐ Yes ☒ No
9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit, or loss of compensation as a result of this change.		The following information must be provided	
THE CONTRACTOR		Time Ext. #: <u>N/A</u>	Days added on this CO: <u>0</u>
By <u>[Signature]</u>		Amount added by this change order: <u>\$214,351.37</u>	
Typed/Printed Name <u>Joey Williams</u>			
Typed/Printed Title <u>Division Manager</u>			

RECOMMENDED FOR EXECUTION:

[Signature] 9/7/2022
Project Manager Date

N/A
Design Engineer Date

[Signature] 9/7/2022
Program Manager Date

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

Valerie Covey Oct 4, 2022

County Commissioner Precinct 3 Date
☒ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 3

Project # 22IFB57**TABLE A: Force Account Work and Materials Placed into Stock**[illegible]

TABLE 4: Contract Items:

[illegible]

Williamson County Road Bond Program

CR 401 Reconstruction Williamson County Project No. 22IFB57

Change Order No. 3 Reason for Change

This Change Order revises the City of Taylor water line pipe material from ductile iron to PVC. This is necessary due to the availability of materials. Switching the pipe material to PVC was approved by the City of Taylor, everywhere except under the UPRR railroad ROW. This area is to remain per plan as ductile iron. This Change Order will allow for timely delivery of materials.

The following new items will be added by this Change Order.

ITEM	DESCRIPTION	QUANTITY	UNIT
COT-WC01	City of Taylor WL - Change from Ductile Iron to PVC Pipe	1.00	LS

This Change Order results in an increase of \$214,351.37 to the Contract amount, for an adjusted Contract total of \$13,315,267.83. The original Contract amount was \$12,673,200.94. As a result of this and all Change Orders to-date, \$642,066.89 has been added to the Contract, resulting in a 5.07% net increase to the overall Contract cost. Due to the current uncertainty in material lead times, time adjustments for this work will be deferred to a later time. Additional time will be determined once materials are on site and will only be granted after the completion of the original scope of work.

HNTB Corporation

Oscar Salazar-Bueno, P.E.

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

James Construction Group, LLC

Contractor's Change Order Request

Date: 6/23/2022
CO Pricing Good For: 45 DAYS (unless noted elsewhere)

Project: CR 401
Control: 22IFB57

County: Williamson
Highway: CR 401

Description: Change from DI to PVC RFI #4
Estimated Qty: 1.00
Estimated Change In Contract Sum: \$ 214,351.37
Estimated Change In Contract Time:

Original Contract: \$ 12,673,200.94 Net CO: \$ - Revised Contract: \$ 12,673,200.94
Narrative: This is for the change from DI pipe to PVC due to acceleration in procurement as requested and approved in RFI #4. This also has the deduction for material that was left over off of the Williamson CR 401 project that we have been requested to use.

JCG reserves the right to request equitable time and monetary adjustments for additional or unforeseen work resulting from this change order.

Labor	Reg Hrs	QT Hrs	UM	Reg Rate	QT Rate (x1.5)	Extended
						\$ -
						\$ -
						\$ -
Subtotal						\$ -
15% Markup						\$ -
55% Burdens						\$ -
Total Labor						\$ -

Equipment	QTY	UM	Rate	Extended
				\$ -
				\$ -
				\$ -
Subtotal				\$ -
15% Markup				\$ -
Total Equipment				\$ -

Subcontractors	QTY	UM	Price	Extended
				\$ -
				\$ -
				\$ -
Subtotal				\$ -
15% Markup				\$ -
Total Subcontract				\$ -

Material	QTY	UM	Price	Extended
	1.00	LS	\$ 212,229.08	\$ 212,229.08
Subtotal				\$ 212,229.08
15% Markup				\$ -
Total Material				\$ 212,229.08

CO REQUEST SUB-TOTAL:	\$	212,229.08
BOND FEE (ADD 1%):	\$	2,122.29
TOTAL COST:	\$	214,351.37
UNIT PRICE (TOTAL COST/EST. QTY):	\$	214,351.37

Change from Ductile Iron to PVC					
Qty	UM	Description/Comments	Final Bid Price	Extended Bid Price	
5	RL	37 X 200 8 MIL POLYWRAP For 14 - 18	\$ 217.75	\$ 1,088.75	
33	RL	37 X 200 8 MIL POLYWRAP For 14 - 18	\$ 217.75	\$ 7,185.75	
		Total:		\$ (6,097.00)	
Qty	UM	Description/Comments	Final Bid Price	Extended Bid Price	
220	FT	18 CL250 Cement Lined Ductile Iron Flex Ring Pipe	\$ 122.64	\$ 26,980.80	
4802	FT	18 CL250 Cement Lined Ductile Iron FASTITE Pipe	\$ 78.16	\$ 375,324.32	
1420	FT	18 CL250 Cement Lined Ductile Iron Flex Ring Pipe	\$ 122.64	\$ 174,148.80	
60	FT	16 CL250 Cement Lined Ductile Iron FASTITE Pipe	\$ 67.40	\$ 4,044.00	
140	FT	12 CL350 Cement Lined Ductile Iron FASTITE Pipe	\$ 48.97	\$ 6,575.80	
		Total:		\$ (533,112.12)	
Qty	UM	Description/Comments	Final Bid Price	Extended Bid Price	
60	FT	16 C905 DR18 CL235 PVC Gasket Joint Blue Pipe	\$ 103.99	\$ 6,239.40	
140	FT	12 C900 DR18 PVC Gasket Joint Blue Pipe	\$ 69.10	\$ 9,674.00	
5860	FT	18 C905 DR18 CL235 PVC Gasket Joint Blue Pipe	\$ 126.19	\$ 739,473.40	
		Total:		\$ 755,386.80	
Qty	UM	Description/Comments	Final Bid Price	Extended Bid Price	
2	EA	16 UFR1390-C-I RESTRAINER	\$ 494.07	\$ 988.14	
29	EA	*CVR* 18IN UFR1390-C-I RESTRAINER	\$ 842.00	\$ 24,418.00	
3	EA	12 PVC RED. RESTRAINER	\$ 217.51	\$ 652.53	
		Total:		\$ 26,058.67	
Qty	UM	Description/Comments	Final Bid Price	Extended Bid Price	
6	EA	12X1000 Underground Detectable Water Blue	\$ 160.00	\$ 960.00	
		Total:		\$ 960.00	
Qty	UM	Description/Comments	Final Bid Price	Extended Bid Price	
15	EA	*CVR* 16 PVC STARGRIP SER 4000 W/AC	\$ 348.28	\$ 5,224.20	
14	EA	12 PVC SGRIP SERIES 4000 G2 W/ ACC	\$ 169.04	\$ 2,366.56	
48	EA	*CVR* 18 PVC STARGRIP SER 4000 W/AC	\$ 422.81	\$ 20,294.88	
18	EA	16 Ductile Iron Mechanical Joint Restraint 3000 Series	\$ 248.22	\$ 4,467.96	
10	EA	12 Ductile Iron Mechanical Joint Restraint 3000 Series	\$ 117.30	\$ 1,173.00	
79	EA	18 Ductile Iron Mechanical Joint Restraint 3000 Series	\$ 316.62	\$ 25,012.98	
		Total:		\$ (2,768.30)	
				\$ 240,428.05	
Deducted Items from CR 101					
Qty	UM	Description	Final Bid Price	Extended Bid Price	
1	EA	18 x 16 Mechanical Joint C153 Tee Less Accessories	\$ 1,107.0	\$ 1,107.07	
8	EA	18 PVC STARGRIP SER 4000 W/A	\$ 422.8	\$ 3,382.48	
1	EA	16 PVC STARGRIP SER 4000 W/A	\$ 348.2	\$ 348.28	
2	EA	18 Mechanical Joint Resilient Wedge DI Open Left Gate Valve	\$ 11,346.3	\$ 22,692.75	
1	EA	18 x 15 Mechanical Joint C153 Long Sleeve Less Accessories	\$ 668.3	\$ 668.39	
				\$ 28,198.97	
Change Order Price for Change from Ductile Iron to PVC					\$ 212,229.08

Williamson County CR401 Reconstruction

Original Bid Minus Materials from CR 101

Revised from DI to PVC

155) CONNECT TO EX SYSTEM						03) Connection to Existing						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	
MILSLA18	18 X 15 Mechanical Joint C153 Long Sleeve Less Accessories	EA	1	\$ 668.39	\$ 668.39	MILSLA16	16 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,103.01	\$ 1,103.01	
MILSLA16	16 X 15 Mechanical Joint C153 Long Sleeve Less Accessories	EA	2	\$ 506.29	\$ 1,012.58	MILSLA16	16 X 15 Mechanical Joint C153 Long Sleeve Less Accessories	EA	1	\$ 506.29	\$ 506.29	
MJTLA16	16 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,103.01	\$ 1,103.01	SPVCPK4016N	*CVR* 16 PVC STARGRIP SER 4000 W/ACC	EA	5	\$ 348.28	\$ 1,741.40	
SSGDP18AP	18 Ductile Iron Restraint Series 3000 With Accessories	EA	2	\$ 316.62	\$ 633.24	01) Connection to Existing						\$ 3,351.20
SSGDP16	16 Ductile Iron Mechanical Joint Restraint 3000 Series	EA	3	\$ 172.44	\$ 1,207.08							
MJMBGP16	16 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	2	\$ 75.78	\$ 151.56							
155) CONNECT TO EX SYSTEM												
157) 18" DI CL250						02) 18" Pipe & Fittings						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	
AFR250P18	18 CL250 Cement Lined Ductile Iron FASTITE Pipe	FT	480	\$ 78.16	\$ 37,532.80	DR18BP18	18 C905 DR18 CL235 PVC Gasket Joint Blue Pipe	FT	5860	\$ 126.19	\$ 739,473.40	
AFR250P18	18 CL250 Cement Lined Ductile Iron Flex Ring Pipe	FT	1420	\$ 127.64	\$ 174,148.80	AFR250P18	18 CL250 Cement Lined Ductile Iron Flex Ring Pipe	FT	220	\$ 122.64	\$ 26,980.80	
APW3788	37 X 200 8 MIL POLYWRAP For 14 - 18	RL	32	\$ 214.75	\$ 6,872.00	PSD12105852	12X1000 Underground Detectable Water Blue	EA	6	\$ 160.00	\$ 960.00	
STP3300YELL	3X300 Black On Yellow Joint REST Tape	EA	5	\$ 41.80	\$ 209.00	APW3788	37 X 200 8 MIL POLYWRAP For 14 - 18	RL	5	\$ 214.75	\$ 1,073.75	
157) 18" DI CL250						\$ 556,562.32	MJTLA18	18 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 833.14	\$ 1,666.28
						MJTLA18	18 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,646.40	\$ 1,646.40	
						MJTLA1812	18 X 12 Mechanical Joint C153 Reducer Less Accessories	EA	1	\$ 574.78	\$ 574.78	
						FUR1390C16I	*CVR* 16IN UFR1390-C-4 RESTRAINER	EA	29	\$ 842.00	\$ 24,418.00	
						SPVCPK4016N	*CVR* 16 PVC STARGRIP SER 4000 W/ACC	EA	5	\$ 422.61	\$ 2,113.05	
						SPVCPK4012G2	12 PVC SGRIP SERIES 4000 G2 W/ ACC	EA	1	\$ 169.04	\$ 169.04	
						02) 18" Pipe & Fittings						\$ 799,076.50
158) 16" DI CL250						03) 16" Pipe & Fittings						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	
AFR250P16	16 CL250 Cement Lined Ductile Iron FASTITE Pipe	FT	54	\$ 67.40	\$ 3,639.60	DR18BP16	16 C905 DR16 CL235 PVC Gasket Joint Blue Pipe	FT	60	\$ 103.99	\$ 6,239.40	
FUR1390C16I	16 UFR1390-C-4 RESTRAINER	EA	2	\$ 494.07	\$ 988.14	FUR1390C16I	16 UFR1390-C-4 RESTRAINER	EA	2	\$ 494.07	\$ 988.14	
158) 16" DI CL250						\$ 4,627.74	MJTLA16	16 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 561.75	\$ 1,123.50
						SPVCPK4016N	*CVR* 16 PVC STARGRIP SER 4000 W/ACC	EA	4	\$ 348.28	\$ 1,393.12	
						03) 16" Pipe & Fittings						\$ 9,746.16
159) 12" DI CL350						04) 12" Pipe & Fittings						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	
AFR350P12	12 CL350 Cement Lined Ductile Iron FASTITE Pipe	FT	122	\$ 46.97	\$ 5,730.34	DR18BP12	12 C905 DR12 PVC Gasket Joint Blue Pipe	FT	140	\$ 69.10	\$ 9,674.00	
APW2988	29 X 200 8 MIL POLYWRAP With White Label	RL	1	\$ 162.61	\$ 162.61	FUR1390C12REDH	12 PVC RED RESTRAINER	EA	3	\$ 217.51	\$ 652.53	
FUR1390C12I	12 UFR1390-C-4 RESTRAINER	EA	3	\$ 187.54	\$ 562.62	MJSCAPLA12	12 Mechanical Joint C153 Solid Cap Less Accessories	EA	1	\$ 140.69	\$ 140.69	
159) 12" DI CL350						\$ 6,455.57	SPVCPK4012G2	12 PVC SGRIP SERIES 4000 G2 W/ ACC	EA	1	\$ 169.04	\$ 169.04
						04) 12" Pipe & Fittings						\$ 10,636.26

160) DI FITTINGS					
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
MJTLA18	18 Mechanical Joint C153 45 BEND Less Accessories	EA	8	\$ 833.14	\$ 6,661.12
MJTLA18	18 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,646.40	\$ 1,646.40
MJTLA18U	18 X 6 Mechanical Joint C153 Swivel Tee Less Accessories	EA	3	\$ 1,070.58	\$ 3,211.74
MJTLA1812	18 X 12 Mechanical Joint C153 Reducer Less Accessories	EA	1	\$ 574.78	\$ 574.78
MJTLA1816	18 X 16 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,707.07	\$ 1,707.07
MJTLA16	16 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 582.75	\$ 1,125.50
MJTLA12U	12 X 6 Mechanical Joint C153 Swivel Tee Less Accessories	EA	1	\$ 337.75	\$ 337.75
SSGDP18AP	18 Ductile Iron Restraint Series 3000 With Accessories	EA	28	\$ 316.62	\$ 8,865.36
SSGDP16	16 Ductile Iron Mechanical Joint Restraint 3000 Series	EA	5	\$ 172.44	\$ 862.20
RAUBGP16	16 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	5	\$ 75.78	\$ 378.90
SSGDP12	12 3000 Series Ductile Iron Mechanical Joint STARGRIP Restraint	EA	3	\$ 86.29	\$ 258.87
RAUBGP12	12 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	3	\$ 31.01	\$ 93.03
APW3768	37 X 200 8 MIL POLYWRAP For 14 - 18	RL	1	\$ 214.75	\$ 214.75
APW2968	29 X 200 8 MIL POLYWRAP With White LABEL	RL	1	\$ 162.61	\$ 162.61
160) DI FITTINGS				\$	26,104.08

161) 18" GATE VALVE						05) 18" Gate Valve					
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
AFC2518MMLAC18	18 Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE Valve Less Accessories	EA	5	\$ 12,819.99	\$ 64,099.95	AFC2518MMLAO11	18 Mechanical Joint Resilient Wedge Ductile Iron Open Left	EA	1	\$ 12,819.99	\$ 12,819.99
SSGDP18AP	18 Ductile Iron Restraint Series 3000 With Accessories	EA	10	\$ 316.62	\$ 3,166.20	SPVCPK4018M	*CVR* 18 PVC STARGRIP SER 4000 W/ACC	EA	2	\$ 422.81	\$ 845.62
PSVB5625W	2 Piece Screw 16T/248 Comp Cast Iron Valve Box Water	EA	5	\$ 110.00	\$ 550.00	PSVB5625W	2 Piece Screw 16T/248 Comp Cast Iron Valve Box Water	EA	1	\$ 110.00	\$ 110.00
E17817	3 Valve Stem Extension AUSTIN STYLE	EA	5	\$ 68.69	\$ 343.45	05) 18" Gate Valve					\$ 33,775.61
161) 18" GATE VALVE					\$ 68,159.60						

162) 16" GATE VALVE						06) 16" Gate Valve					
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
AFC2516MMLAC16	16 Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE Valve Less Accessories	EA	2	\$ 6,028.89	\$ 12,057.78	AFC2516MMLAO11	16 Mechanical Joint Resilient Wedge Ductile Iron Open Left	EA	2	\$ 6,028.89	\$ 12,057.78
SSGDP16	16 Ductile Iron Mechanical Joint Restraint 3000 Series	EA	4	\$ 172.44	\$ 689.76	SPVCPK4016M	*CVR* 16 PVC STARGRIP SER 4000 W/ACC	EA	4	\$ 348.28	\$ 1,393.12
RAUBGP16	16 Mechanical Joint C153 Bolt Gasket Pack Less Gland	EA	4	\$ 75.78	\$ 303.12	PSVB5625W	2 Piece Screw 16T/248 Comp Cast Iron Valve Box Water	EA	2	\$ 110.00	\$ 220.00
E17817	3 FT Gate Valve Stem Extension	EA	2	\$ 68.69	\$ 137.38	06) 16" Gate Valve					\$ 13,670.90
PSVB5625W	Two Piece Screw 16T/248 Comp Cast Iron Valve Box Water	EA	2	\$ 110.00	\$ 220.00						
162) 16" GATE VALVE					\$ 13,408.04						

163) 12" GATE VALVE						07) 12" Gate Valve					
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
AFC2512MMLAO12	12 Flanged X Mechanical Joint Resilient Wedge Open Left GATE Valve Less Accessories	EA	1	\$ 1,815.00	\$ 1,815.00	AFC2512MMLAO12	12 Mechanical Joint Resilient Wedge Ductile Iron Open Left	EA	2	\$ 2,200.00	\$ 4,400.00
SSGDP12	12 3000 Series Ductile Iron Mechanical Joint STARGRIP Restraint	EA	1	\$ 86.29	\$ 86.29	SPVCPK4012G2	12 PVC SGRIP SERIES 4000 G2 W/ ACC	EA	4	\$ 169.04	\$ 676.16
RAUBGP12	12 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	1	\$ 31.01	\$ 31.01	PSVB5625W	2 Piece Screw 16T/248 Comp Cast Iron Valve Box Water	EA	2	\$ 110.00	\$ 220.00
BGS15012	12 150# Bolt and Full Face Gasket Set	EA	1	\$ 35.49	\$ 35.49	07) 12" Gate Valve					\$ 5,296.16
E17817	3 FT Gate Valve Stem Extension	EA	1	\$ 68.69	\$ 68.69						
PSVB5625W	Two Piece Screw 16T/248 Comp Cast Iron Valve Box Water	EA	1	\$ 110.00	\$ 110.00						
163) 12" GATE VALVE					\$ 2,166.48						

164) FIRE HYDRANT ASSEMBLY						08) Fire Hydrant					
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
AFCS06MM	MECHANICAL JOINT RESILIENT WEDGE DUCTILE IRON OPEN LEFT GATE VALVE LESS ACCESSORIES	EA	4	\$ 585.00	\$ 2,340.00	MJFLA18U	18 X 6 MECHANICAL JOINT C153 SWIVEL TEE LESS ACCESSORIES	EA	3	\$ 1,070.58	\$ 3,211.74
E17817	3 FT GATE VALVE STEM EXTENSION	EA	4	\$ 68.69	\$ 274.76	MJFLA12U	12 X 6 MECHANICAL JOINT C153 SWIVEL TEE LESS ACCESSORIES	EA	1	\$ 337.75	\$ 337.75
PSVB562SW	TWO PIECE SCREW 16T/24B COMP CAST IRON VALVE BOX WATER	EA	4	\$ 110.00	\$ 440.00	AFCS06MM	MECHANICAL JOINT RESILIENT WEDGE DUCTILE IRON OPEN LEFT GATE	EA	4	\$ 695.00	\$ 2,780.00
AFT350PU	6 CL350 CEMENT LINED DUCTILE IRON FAST LIE PIPE	FT	60	\$ 23.27	\$ 1,396.20	PSVB562SW	2 PIECE SCREW 16T/24B COMP CAST IRON VALVE BOX WATER	EA	4	\$ 110.00	\$ 440.00
APW1888	18 X 200 8 MIL POLYWRAP FOR 4 - 6 PIPE	RL	1	\$ 111.22	\$ 111.22	AFT350PU	6 CL350 CEMENT LINED DUCTILE IRON FAST LIE PIPE	FT	40	\$ 23.27	\$ 930.80
AFCSB4BLADLSL	5 1/4 HYDRANT 5' OPEN LEFT LESS ACCESSORIES WITH STORTZ LEAN	EA	4	\$ 2,450.00	\$ 9,800.00	APW1888	18 X 200 8 MIL POLYWRAP FOR 4 - 6	RL	4	\$ 111.22	\$ 444.88
SSGDP06H	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON PIPE 6 SGRIP SERIES 3000EA	EA	8	\$ 28.27	\$ 226.16	AFCSB4BLADLSL	5 1/4 HYDRANT 5' OPEN LEFT LESS ACCESSORIES WITH STORTZ LEAN	EA	4	\$ 2,950.00	\$ 11,800.00
HAUBGPU	6 MECHANICAL JOINT C153 BOLT GASKET PACK LESS GLAND	EA	12	\$ 20.45	\$ 245.40	SPVCPK4018H	*CVR* 18 PVC STARGRIP SER 4000 W/ACC	EA	6	\$ 422.81	\$ 2,536.86
					\$ 14,839.74	SPVCPK4012G2	12 PVC SGRIP SERIES 4000 G2 W/ACC	EA	2	\$ 169.04	\$ 338.08
						SSGDP06H	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON	EA	8	\$ 32.59	\$ 260.72
						HAUBGPU	6 MECHANICAL JOINT C153 BOLT GASKET PACK LESS GLAND	EA	12	\$ 20.45	\$ 245.40
											\$ 23,326.23
164) FIRE HYDRANT ASSEMBLY						08) Fire Hydrant					

168) BLOW OFF ASSEMBLY						11) Water Blowoff						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	Comment	UM	Qty	Final Bid Price	Extended Bid Price
Alt1A18U	18 X 6 Mechanical Joint X Flange C153 Tee Less Accessories	EA	2	\$ 1,046.10	\$ 2,092.20	Alt1A18U	18 X 6 Mechanical Joint X Flange C153 Tee Less Accessories		EA	2	\$ 1,046.10	\$ 2,092.20
AltC2506FOL0M	6 Flanged Resilient Wedge Ductile Iron Open Left GATE Valve W/OP NUT	EA	2	\$ 585.00	\$ 1,170.00	AltC2506FOL0M	6 Flanged Resilient Wedge Ductile Iron Open Left GATE Valve		EA	2	\$ 585.00	\$ 1,170.00
PSVB562SW	2 Piece Screw 16T/24B Comp Cast Iron Valve Box Water	EA	4	\$ 110.00	\$ 440.00	PSVB562SW	2 Piece Screw 16T/24B Comp Cast Iron Valve Box Water		EA	4	\$ 110.00	\$ 440.00
Alt17817	3 Valve STEM Extension AUSTIN STYLE	EA	4	\$ 68.69	\$ 274.76	Alt17817	6x20 Flange X Flange Cement Lined Bituminous Tar Ductile Iron		EA	2	\$ 324.00	\$ 648.00
FFPUA	6x30 Flange X Flange Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 478.93	\$ 957.86	FFPUA	6 Ductile Iron 125# C110 Flange 90 Bend w/ 2" Lap		EA	2	\$ 362.03	\$ 724.06
FFU2TAP	6" FLG 90 W/ 2" THRD TAP	EA	2	\$ 281.31	\$ 562.62	FFU2TAP	6x80 Flange X Flange Cement Lined Bituminous Tar Ductile Iron		EA	2	\$ 831.43	\$ 1,662.86
GRN2U	2 X 6 Galvanized Steel Nipple	EA	4	\$ 15.23	\$ 60.92	GRN2U	6 Ductile Iron 125# C110 Flange 90 BEND		EA	2	\$ 206.80	\$ 413.60
GR5U	2 Galvanized Malleable Iron 150# 90 Elbow	EA	4	\$ 22.06	\$ 88.24	GR5U	6 Ductile Iron 125# C110 Flange 45 BEND		EA	2	\$ 183.70	\$ 367.40
GR6U	6 Ductile Iron 125# C110 Flange 90 BEND	EA	2	\$ 206.80	\$ 413.60	GR6U	6 Ductile Iron 125# C110 BEND Flange		EA	2	\$ 94.05	\$ 188.10
GRW15B200C	2 Stainless Steel 200 # Threaded NPS GATE Valve	EA	2	\$ 228.45	\$ 456.90	GRW15B200C	*CVR* 18 PVC STARGRIP SER 4000 W/JAC		EA	4	\$ 423.81	\$ 1,691.24
GRN24	2 X 24 Galvanized Ready CUT Pipe	EA	4	\$ 45.06	\$ 180.24	GRN24	8 150# Bolt and Full Face Gasket Set		EA	14	\$ 14.83	\$ 207.62
SGSDP18AP	18 Ductile Iron Restraining Series 3000 W/tn Accessories	EA	4	\$ 316.62	\$ 1,266.48	SGSDP18AP	2 X 6 Galvanized Steel Nipple		EA	4	\$ 15.23	\$ 60.92
SGS150U	6 150# Bolt and Full Face Gasket Set	EA	14	\$ 14.83	\$ 207.62	SGS150U	2 Galvanized Malleable Iron 150# 90 Elbow		EA	4	\$ 27.34	\$ 109.36
FFU	6 Ductile Iron 125# C110 Flange 45 BEND	EA	2	\$ 183.70	\$ 367.40	FFU	2 X 36 Galvanized Ready CUT Pipe		EA	4	\$ 77.23	\$ 308.92
FFU	6 Ductile Iron C110 125# BEND Flange	EA	2	\$ 94.05	\$ 188.10	FFU	2 OH THRD RW OL GATE VLV		EA	2	\$ 350.00	\$ 700.00
FFPUA	6x60 Flange X Flange Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 690.13	\$ 1,380.26							\$ 31,004.28
GRCAPG	2 Galvanized Malleable Iron 150# Cap	EA	2	\$ 8.23	\$ 16.46							
				\$	\$ 10,123.66							
168) BLOW OFF ASSEMBLY						11) Water Blowoff						
169) VENT PIPE ASSEMBLY						10) Casing Vent						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	Comment	UM	Qty	Final Bid Price	Extended Bid Price
FFPUA	3x60 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	4	\$ 835.20	\$ 3,340.80	GGPPEA35ULU	6 Galvanized Plain End AS3A ULFM Schedule 40 Pipe		C	21	\$ 1,903.66	\$ 399.77
FFU2TAP	3" MJ 90 W/ 2" TAP	EA	2	\$ 141.10	\$ 282.20	GGPFSOFU	6 Galvanized Carbon Steel 150# Flat Face Slip On Flange		EA	2	\$ 49.45	\$ 98.90
BRFLR9UG	Lead Law Compliant 2 X 1 Brass Bushing	EA	2	\$ 16.94	\$ 33.88	FFPUA	6 Ductile Iron 125# C110 Flange 90 Bend w/ 2" Lap		EA	2	\$ 362.03	\$ 724.06
GRN2U	Lead Law Compliant 1 X 6 Brass Nipple GBL	EA	4	\$ 14.71	\$ 58.84	FFPUA	6x80 Flange X Flange Cement Lined Bituminous Tar Ductile Iron		EA	2	\$ 831.43	\$ 1,662.86
BRFLR9UG	Lead Law Compliant 1 Brass 90 Elbow	EA	4	\$ 8.29	\$ 33.16	FFPUA	6 Ductile Iron 125# C110 Flange 90 BEND		EA	2	\$ 206.80	\$ 413.60
GRN24	Lead Law Compliant 1 X 24 Brass Nipple GBL	EA	4	\$ 60.78	\$ 243.12	FFU	6 Ductile Iron 125# C110 Flange 45 BEND		EA	2	\$ 183.70	\$ 367.40
PRF120UG	Lead Law Compliant 1 Brass 200 # Threaded NPS GATE Valve	EA	2	\$ 17.06	\$ 34.12	FFU	6 Ductile Iron C110 125# BEND Flange		EA	2	\$ 94.05	\$ 188.10
PSVB562SW	2 Piece Screw 16T/24B Comp Cast Iron Valve Box Water	EA	2	\$ 110.00	\$ 220.00	GGPFSOFU	6 150# Bolt and Full Face Gasket Set		EA	10	\$ 14.83	\$ 148.30
Alt17817	3 Valve STEM Extension AUSTIN STYLE	EA	2	\$ 68.69	\$ 137.38	GRN2U	2 X 6 Galvanized Steel Nipple		EA	4	\$ 15.23	\$ 60.92
FFU	6 X 3 Ductile Iron 125# C110 Flange Concentric Reducer	EA	2	\$ 149.05	\$ 298.10	GR5U	2 Galvanized Malleable Iron 150# 90 Elbow		EA	4	\$ 27.34	\$ 109.36
Alt1A18U	18 X 6 Mechanical Joint X Flange C153 Tee Less Accessories	EA	2	\$ 1,046.10	\$ 2,092.20	GRN24	2 X 36 Galvanized Ready CUT Pipe		EA	4	\$ 77.23	\$ 308.92
FFU	3 Ductile Iron 125# C110 Flange 90 BEND	EA	2	\$ 86.35	\$ 172.70	AltC26025SW	2 OH THRD RW OL GATE VLV		EA	2	\$ 350.00	\$ 700.00
FFU	3 Ductile Iron 125# C110 Flange 45 BEND	EA	2	\$ 67.10	\$ 134.20							\$ 5,182.19
FFU	3 Ductile Iron C110 125# BEND Flange	EA	2	\$ 36.30	\$ 72.60							
SGSDP18AP	18 Ductile Iron Restraining Series 3000 W/tn Accessories	EA	4	\$ 316.62	\$ 1,266.48							
SGSDP18U	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON PIPE 3 GRIP SERIES 3000EA	EA	4	\$ 23.24	\$ 92.96							
Alt1A18U	3 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	4	\$ 14.49	\$ 57.96							
FFU	6 150# Bolt and Full Face Gasket Set	EA	2	\$ 14.83	\$ 29.66							
SGS150U	3 150# Bolt and Full Face Gasket Set	EA	8	\$ 7.24	\$ 57.92							
BRFLR9UG	Lead Law Compliant 1 Brass Cap	EA	2	\$ 5.45	\$ 10.90							
				\$	\$ 8,649.18							
169) VENT PIPE ASSEMBLY						10) Casing Vent						
170) FLUSHING VALVE ASSEMBLY						12) Auto Flush Valve						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	Comment	UM	Qty	Final Bid Price	Extended Bid Price
S317001432140012	14X2 Iron Pipe Double Saddle 12 62 14 32	EA	1	\$ 128.30	\$ 128.30	S31700143214000 12	14X2 Iron Pipe Double Saddle 12 62 14 32		EA	1	\$ 128.30	\$ 128.30
FFB17007NVL	Lead Law Compliant 2 MIP X FIP BALL Comp	EA	1	\$ 321.37	\$ 321.37	FFB17007NVL	Lead Law Compliant 2 MIP X FIP BALL Comp		EA	1	\$ 321.37	\$ 321.37
GRN2U	Lead Law Compliant 2 X 6 Brass Nipple GBL	EA	2	\$ 33.27	\$ 66.54	GRN2U	Lead Law Compliant 2 X 6 Brass Nipple GBL		EA	2	\$ 33.27	\$ 66.54
FFU	Lead Law Compliant 2 Brass 90 Elbow	EA	3	\$ 26.82	\$ 80.46	GRN2U	Lead Law Compliant 2 Brass 90 Elbow		EA	3	\$ 26.82	\$ 80.46
FFB1777NVL	Lead Law Compliant 2 X 48 Brass Nipple GBL	EA	2	\$ 275.33	\$ 550.66	GRN24	Lead Law Compliant 2 X 48 Brass Nipple GBL		EA	2	\$ 275.33	\$ 550.66
FFB1777NVL	Lead Law Compliant 2 FIP X FIP BALL CURB ST 1W	EA	1	\$ 347.99	\$ 347.99	FFB1777NVL	Lead Law Compliant 2 FIP X FIP BALL CURB ST 1W		EA	1	\$ 347.99	\$ 347.99
PSVB562SW	2 Piece Screw 16T/24B Comp Cast Iron Valve Box Water	EA	1	\$ 110.00	\$ 110.00	PSVB562SW	2 Piece Screw 16T/24B Comp Cast Iron Valve Box Water		EA	1	\$ 110.00	\$ 110.00
GRN2U	3 Valve STEM Extension AUSTIN STYLE	EA	1	\$ 68.69	\$ 68.69	MHGLAN12PV020	HYDROGUARD HGI AUTO FLUSH		EA	1	\$ 4,375.00	\$ 4,375.00
GRN2U	2" HYDRO GUARD AUTO FLUSH	EA	1	\$ 4,375.00	\$ 4,375.00							\$ 5,900.32
				\$	\$ 6,049.01							
170) FLUSHING VALVE ASSEMBLY						12) Auto Flush Valve						

172) METER & BACKFLOW PREVENTION STATION

Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
PPP184	18" X 20 PE X PE SPOOL	EA	6	\$ 590.93	\$ 3,545.58
AFC2512MNLAC12	12 Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE Valve Less Accessor	EA	1	\$ 10,440.79	\$ 10,440.79
PSVB9631SW	2 Piece Screw 167/240 Comp Cast Iron Valve Box Water	EA	2	\$ 110.00	\$ 220.00
E17817	3 Valve STEM Extension AUSTIN STYLE	EA	2	\$ 68.88	\$ 137.76
PPP12K	12" X 20 PE X PE SPOOL	EA	1	\$ 359.47	\$ 359.47
PPP18A1	18" X 30 PE X PE SPOOL	EA	4	\$ 853.33	\$ 3,413.32
PPP12K	12" X 80 PE X PE SPOOL	EA	1	\$ 1,319.47	\$ 1,319.47
PPP18G	18" X 10 PE X PE SPOOL	EA	3	\$ 328.53	\$ 985.59
MUTLA18	18 Mechanical Joint C153 Tee Less Accessories	EA	4	\$ 1,646.40	\$ 6,585.60
MUTLA1812	18 X 12 Mechanical Joint C153 Reducer Less Accessories	EA	1	\$ 574.78	\$ 574.78
AFC2512MNLAC12	12 Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE Valve Less Accessor	EA	1	\$ 1,815.00	\$ 1,815.00
MUSCAPLA12	12 Mechanical Joint C153 Solid Cap Less Accessories	EA	1	\$ 140.69	\$ 140.69
MUSLA18	18 X 15 Mechanical Joint C153 Long Sleeve Less Accessories	EA	4	\$ 668.39	\$ 2,673.56
ADH40081350118	DISMANTLING JOINT	EA	1	\$ 816.87	\$ 816.87
PPP1811	18X110 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	1	\$ 3,597.87	\$ 3,597.87
AFC2518FFOL	18 Flanged Resilient Wedge Ductile Iron Open Left GATE Valve	EA	1	\$ 10,440.79	\$ 10,440.79
PPP18M	8X30 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 489.07	\$ 978.14
AFC2508FFOLHVB	Flanged Resilient Wedge Open Left GATE Valve With Hand Wheel ZN	EA	2	\$ 910.00	\$ 1,820.00
MUTLA18	18 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 833.14	\$ 1,666.28
MUTLA1810	18 X 10 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 585.15	\$ 1,170.30
18FLGDSMANUTL18	18" FLG DISMANTLING JOINT	EA	1	\$ 2,526.26	\$ 2,526.26
FFPKK	8X20 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 598.40	\$ 1,196.80
ADH40081350118	DISMANTLING JOINT	EA	2	\$ 619.93	\$ 1,239.82
PPP18Y	18X90 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	1	\$ 3,073.07	\$ 3,073.07
PPP10X	10X80 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 1,276.27	\$ 2,552.54
F410	10 Ductile Iron 125# C110 Flange 45 BEND	EA	4	\$ 451.00	\$ 1,804.00
PPP10M1TAP	10" X 30 FLG X FLG SPOOL W/ 1" THRD TAP	EA	2	\$ 1,053.33	\$ 2,106.66
1X35SHIP	1X35 SHIP	EA	2	\$ 13.71	\$ 27.42
54CTCCG	1/2 Stainless Steel 304 150# Thread Coupling	EA	2	\$ 6.81	\$ 13.62
54CTBGD	1 X 1/2 Stainless Steel 304 150# Thread Bushing	EA	2	\$ 5.33	\$ 10.66
1/2X35SHIP	1/2X35 SHIP	EA	16	\$ 10.24	\$ 163.84
FWW200AD	1/2 Stainless Steel 1000# Threaded 2 Piece Full Port BV Locking Lever	EA	4	\$ 36.76	\$ 147.04
54CTTD	1/2 Stainless Steel 304 150# Thread Tee	EA	5	\$ 5.21	\$ 26.05
54CTB08	1/2 X 1/4 Stainless Steel 304 150# Thread Bushing	EA	2	\$ 2.62	\$ 5.24
FWWXL1FG0300L	Lead Law Compliant Not Cert Fed Liquid 2 1/2 Steel BR Gauge 0-300 1/4 Medium	EA	3	\$ 44.65	\$ 133.95
54CT9D	1/2 Stainless Steel 304 150# Thread 90 Elbow	EA	3	\$ 3.84	\$ 11.52
PPF28VHBD	Lead Law Compliant 1 1/2" 1/2" MIP HOSE BR88 BV	EA	3	\$ 14.00	\$ 42.00
ADH400101050110	DISMANTLING JOINT	EA	4	\$ 1,164.80	\$ 4,659.20
FW25DRL110	Lead Law Compliant 10 Reduced Port Detector Assembly With Outside Stem & Yoke VEA	EA	2	\$ 12,755.00	\$ 25,510.00
FWW10M1TAP	10" X 30 FLG X FLG SPOOL W/ 2" THRD Q-LET TAP	EA	3	\$ 1,332.27	\$ 3,996.81
2X35SHIP	2X35 SHIP	EA	8	\$ 28.62	\$ 228.96
FWW200AK	2 Stainless Steel 1000# Threaded 2 Piece Full Port BV Locking Lever	EA	2	\$ 222.55	\$ 445.10
AL45C2K	2 Combination Air RELEASE Valve	EA	3	\$ 668.74	\$ 2,006.22
54CTTK	2 Stainless Steel 304 150# Thread Tee	EA	2	\$ 33.53	\$ 67.06
54CTSPK	2 Stainless Steel 304 150# Thread SQ PLUG	EA	3	\$ 12.29	\$ 36.87
2X125SHIP	2" X 12" SS NIP	EA	2	\$ 109.16	\$ 218.32
54CTVK	2 Stainless Steel 304 150# Thread 90 Elbow	EA	6	\$ 23.14	\$ 138.84
2X245SHIP	2" X 24" SS NIP	EA	3	\$ 212.37	\$ 637.11
54CTCAPK	2 Stainless Steel 304 150# Thread Cap	EA	2	\$ 14.57	\$ 29.14
55B5	Stainless Steel BUG Screen	PT	2	\$ 13.87	\$ 27.74
5317001212140X12-10X2	Iron Pipe Double Saddle 10 64-12 12	EA	3	\$ 93.53	\$ 280.59
54CTB40	2 X 1/2 Stainless Steel 304 150# Thread Bushing	EA	4	\$ 17.38	\$ 69.52
54CTCAPD	1/2 Stainless Steel 304 150# Thread Cap	EA	3	\$ 2.56	\$ 7.68
PPP10W	10X70 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 1,147.20	\$ 2,294.40
MUTLA18	18 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,103.01	\$ 1,103.01
PPP184	18" X 20 PE X PE SPOOL	EA	1	\$ 514.13	\$ 514.13
MUTLA1810	18 X 10 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 387.02	\$ 774.04
MUSLA18	18 Mechanical Joint C153 90 BEND Less Accessories	EA	2	\$ 787.11	\$ 1,574.22
MUSCAPLA16	16 Mechanical Joint C153 Solid Cap Less Accessories	EA	1	\$ 282.42	\$ 282.42

14) Meter Assembly

Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
AFC2518MNLAC18	18 Mechanical Joint Resilient Wedge Ductile Iron Open Left	EA	1	\$ 12,819.99	\$ 12,819.99
MUTLA18	18 Mechanical Joint C153 Tee Less Accessories	EA	4	\$ 1,646.40	\$ 6,585.60
MUTLA1812	18 X 12 Mechanical Joint C153 Reducer Less Accessories	EA	1	\$ 574.78	\$ 574.78
AFC2512MNLAC12	12 Mechanical Joint Resilient Wedge Ductile Iron Open Left	EA	1	\$ 2,200.00	\$ 2,200.00
MUSCAPLA12	12 Mechanical Joint C153 Solid Cap Less Accessories	EA	1	\$ 140.69	\$ 140.69
MUSLA18	18 X 15 Mechanical Joint C153 Long Sleeve Less Accessories	EA	4	\$ 668.39	\$ 2,673.56
MUTLA18X	18 X 8 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 738.51	\$ 1,477.02
PPP1811	18X110 Flange X PE Cement Lined Bituminous Tar Ductile Iron	EA	2	\$ 3,597.87	\$ 7,195.74
PPP18	8X40 Flange X PE Cement Lined Bituminous Tar Ductile Iron	EA	2	\$ 705.14	\$ 1,410.28
AFC2518FFOL	18 Flanged Resilient Wedge Ductile Iron Open Left GATE Valve	EA	1	\$ 12,819.99	\$ 12,819.99
ADH400181375110	DISMANTLING JOINT	EA	1	\$ 2,526.26	\$ 2,526.26
AFC2508FFOL	8 Flanged Resilient Wedge Ductile Iron Open Left GATE Valve	EA	2	\$ 1,120.00	\$ 2,240.00
FFPKK	8X26 Flange X PE Cement Lined Bituminous Tar Ductile Iron	EA	1	\$ 526.86	\$ 526.86
R8750WDMWA18	8" Magnetic Flow Meter 8750	EA	1	\$ 4,302.67	\$ 4,302.67
FFPKG6	8X16 Flange X PE Cement Lined Bituminous Tar Ductile Iron	EA	1	\$ 408.00	\$ 408.00
ADH40081350100B	DISMANTLING JOINT	EA	1	\$ 816.87	\$ 816.87
MUTLA18	18 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 833.14	\$ 1,666.28
MUTLA1810	18 X 10 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 585.15	\$ 1,170.30
54MCPPEP18	18 SAGMA FOSTER ADPT W/ MJ ACC KIT	EA	2	\$ 552.44	\$ 1,104.88
10X1120	10X1120 Flange X PE Cement Lined Bituminous Tar Ductile Iron	EA	4	\$ 2,137.71	\$ 8,550.84
F410	10 Ductile Iron 125# C110 Flange 45 BEND	EA	4	\$ 451.00	\$ 1,804.00
10 MEGALANGE	Flange Adapter	EA	4	\$ 347.72	\$ 1,390.88
10X30	10X30 Flange X PE Cement Lined Bituminous Tar Ductile Iron	EA	4	\$ 758.86	\$ 3,035.44
W3750AD F30	Lead Law Compliant 10 Reduced Port Detector Assembly With	EA	2	\$ 17,755.00	\$ 35,510.00
MUTLA1810	18 X 10 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 387.02	\$ 774.04
54MCPPEP16	16 SAGMA FOSTER ADPT W/ MJ ACC KIT	EA	4	\$ 436.19	\$ 1,744.76
MUTLA16	16 Mechanical Joint C153 90 BEND Less Accessories	EA	2	\$ 787.11	\$ 1,574.22
MUTLA16	16 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,103.01	\$ 1,103.01
MUSCAPLA16	16 Mechanical Joint C153 Solid Cap Less Accessories	EA	1	\$ 282.42	\$ 282.42
SPVCPK4018H	*CVR* 16 PVC STARGRIP SER 4000 WJAC	EA	27	\$ 632.46	\$ 17,076.42
SPVCPK4016H	*CVR* 16 PVC STARGRIP SER 4000 WJAC	EA	2	\$ 348.28	\$ 696.56
SPVCPK4012G2	12 PVC SGRIP SERIES 4000 G2 W/ ACC	EA	4	\$ 169.04	\$ 676.16
55GPPK10H	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON	EA	4	\$ 104.33	\$ 417.32
FWWNBZ18	18 IN 150# Flange NUT/BLT Set	EA	3	\$ 83.92	\$ 251.76
FWW18FFGA18	18 Red Rubber 1/8 Full Face 150# Gasket	EA	3	\$ 22.64	\$ 67.92
FWWNBG218F810	10 IN 150# RR FF 1/8 Flange Package	EA	12	\$ 47.84	\$ 574.08
FWWNBG218F8X	8 IN 150# RR FF 1/8 Flange Package	EA	7	\$ 78.15	\$ 547.05
ITOL36MG	36" 3 X 1 Forged Steel 3000# TOL	EA	2	\$ 9.82	\$ 19.64
54CTBGD	1 X 1/2 Stainless Steel 316 150# Thread Bushing	EA	2	\$ 6.96	\$ 13.92
54CTB08	1/2X3/4 316 WLD NIP TBE	EA	10	\$ 5.50	\$ 55.00
FWW200AD	1/2 Stainless Steel 1000# Threaded 2 Piece Full Port BV Locking	EA	4	\$ 30.87	\$ 123.48
54CTTD	1/2 Stainless Steel 316 150# Thread Tee	EA	2	\$ 7.40	\$ 14.80
54CTCDB	1/2 X 1/4 Stainless Steel 316 150# Thread Coupling	EA	2	\$ 5.45	\$ 10.90
FWW1FG0200L	Lead Law Compliant Not Cert Fed Liquid 2 1/2 Steel BR Gauge 0-	EA	2	\$ 44.65	\$ 89.30
54CT9D	1/2 Stainless Steel 316 150# Thread 90 Elbow	EA	2	\$ 5.71	\$ 11.42
PPF28VHBD	Lead Law Compliant 1 1/2" 1/2" MIP W/ 3/4" NHT BRASS HOSE Adapter	EA	3	\$ 6.70	\$ 20.10
5317001212140001	12 IN 12 IN Iron Pipe Double Saddle 10 64 12 12	EA	2	\$ 93.51	\$ 187.02
GNKM	2 X 3 Galvanized Steel H Cole	EA	4	\$ 11.10	\$ 44.40
FWW18T8BLF	Lead Law Compliant 2 Forever Brass 600# WOG IPS Threaded	EA	2	\$ 99.85	\$ 199.70
GNKM	2 Galvanized Malleable Iron 150# Coupling	EA	2	\$ 22.19	\$ 44.38
AD040K	2 Combination Air RELEASE Valve	EA	2	\$ 668.74	\$ 1,337.48
PD05MAJ	1 1/2 PVC Schedule 40 Slip X Male Adapter	EA	2	\$ 1.35	\$ 2.70
PD08EPJ20	1 1/2 X 20 FT PVC Schedule 40 BE Pipe	C	40	\$ 222.13	\$ 88.85
PD089E	2 PVC Schedule 40 Slip X Slip 90 Elbow	EA	4	\$ 2.90	\$ 11.60
PL5360S	LINK Sealing With Stainless Steel NUT & BLT	EA	130	\$ 18.28	\$ 2,376.40
PL5500S	LINK Sealing With Stainless Steel NUT & BLT	EA	36	\$ 33.43	\$ 1,203.48
CSVP	Stainless Steel Vent w/ Screen	EA	1	\$ 3,007.15	\$ 3,007.15
C10X10CV	10" X 10" Concrete Vault w/ Hatch & Sump	EA	1	\$ 21,364.12	\$ 21,364.12

14) Meter Assembly

4X3SSGOOSENECK 4" X 9" SS GOOSENECK W/ SS SCREEN	EA	1	\$	831.25	\$	831.25
SS1208 8 Adjustable Pipe Saddle Support	EA	7	\$	115.71	\$	770.42
SDMCPEP18 18 SIGMA FOSTER ADPT W/ AU ACC KIT	EA	2	\$	552.44	\$	1,104.88
AUS1210 10 Adjustable Pipe Saddle Support	EA	4	\$	178.57	\$	714.28
HAUBGP16 16 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	2	\$	75.78	\$	151.56
SSGDP10N MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON PIPE 10 SGRIP SERIES 300EA	EA	4	\$	64.50	\$	258.00
SSGDP18AP 18 Ductile Iron Restraint Series 3000 W/ In Accessories	EA	17	\$	316.62	\$	8,548.74
SSGDP16 16 Ductile Iron Mechanical Joint Restraint 3000 Series	EA	2	\$	172.44	\$	344.88
SDMCPEP16 16 SIGMA FOSTER ADPT W/ AU ACC KIT	EA	4	\$	436.19	\$	1,744.76
SSGDP12 12 3000 Series Ductile Iron Mechanical Joint STARGRIP Restraint	EA	4	\$	86.29	\$	345.16
HAUBGP12 12 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	4	\$	31.03	\$	124.04
HAUBGP10 10 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	4	\$	29.82	\$	119.28
SGOOT5AL 38X12064 Aluminum Enclosure Backflow Preventer Less Heater	EA	1	\$	5,565.00	\$	5,565.00
SSGDP08N MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON PIPE 8 SGRIP SERIES 300EA	EA	2	\$	39.77	\$	79.54
HAUBGPX 8 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	2	\$	22.55	\$	45.10
BGS15018 18 150# Bolt and Full Face Gasket Set	EA	3	\$	106.24	\$	318.72
BGS15010 10 150# Bolt and Full Face Gasket Set	EA	20	\$	33.43	\$	668.60
BGS150X 8 150# Bolt and Full Face Gasket Set	EA	7	\$	18.25	\$	127.75
PLS5255 LINK Sealant W/ In Stainless Steel NUT & BOLT	EA	34	\$	25.54	\$	868.36
PLS4005 LINK Sealant W/ In Stainless Steel NUT & BOLT	EA	18	\$	12.69	\$	228.42
172) METER & BACKFLOW PREVENTION STATION					\$	132,742.80
Original BID	Total		\$	1,033,682.75	Revised from DI to PVC	Total \$ 1,245,911.83

Change Order Amount \$ 212,229.08