

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).

<small>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.</small>		The following information must be provided	
THE CONTRACTOR		Time Ext. #: <u>N/A</u>	Days added on this CO: <u>0</u>
Date <u>9/7/2022</u>		Amount added by this change order: <u>\$214,351.37</u>	
By <u>[Signature]</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

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 # 221F857**TABLE A: Force Account Work and Materials Placed into Stock**[illegible]

TABLE 8: 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	OT Hrs	UM	Reg Rate	OT 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	\$ 46.97	\$ 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						01) 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	
MILSLA15	15 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	\$ 506.79	1,013.58	MILSLA16	16 X 15 Mechanical Joint C153 Long Sleeve Less Accessories	EA	1	\$ 506.79	506.79	
MAULA16	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	2	\$ 172.44	1,207.08							
MAIBGP16	16 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	7	\$ 75.78	530.46							
155) CONNECT TO EX SYSTEM					\$ 5,155.76							
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	\$ 78.18	\$ 37,527.32	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	1400	\$ 127.64	\$ 178,700.00	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	
PSTP3300YELL	3X300 Black On Yellow Joint REST Tape	EA	5	\$ 43.80	\$ 219.00	APW3788	37 X 200 8 MIL POLYWRAP For 14" - 18"	RL	5	\$ 214.75	\$ 1,073.75	
157) 18" DI CL250					\$ 556,562.32	MAULA18	18 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 833.14	\$ 1,666.28	
						MILSLA18	18 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,646.40	\$ 1,646.40	
						MAULA1812	18 K 12 Mechanical Joint C153 Reducer Less Accessories	EA	1	\$ 574.78	\$ 574.78	
						FUR1390C16I	*CVR* 16IN UFR1390 C-4 RESTRAINER	EA	29	\$ 847.00	\$ 24,413.00	
						SPVCPK4018N	*CVR* 18 PVC STARGRIP SER 4000 W/ACC	EA	5	\$ 422.81	\$ 2,114.05	
						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	MAULA16	16 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 562.75	\$ 1,125.50	
						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 C900 DR18 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	FUR1390C12RED12	12 PVC RED RESTRAINER	EA	3	\$ 217.51	\$ 652.53	
FUR1390C12I	12 UFR1390 C-4 RESTRAINER	EA	3	\$ 197.54	\$ 592.62	MUSCAPLA12	12 Mechanical Joint C153 Solid Cap Less Accessories	EA	1	\$ 140.69	\$ 140.69	
159) 12" DI CL350					\$ 6,485.57	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						
MUHLA18	18 Mechanical Joint C153 45 BEND Less Accessories	EA	8	\$ 833.14	\$ 6,665.12						
AUSTLA18	18 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,646.40	\$ 1,646.40						
MISTLA18U	18 X 6 Mechanical Joint C153 Swivel Tee Less Accessories	EA	3	\$ 1,070.58	\$ 3,211.74						
MUHLA1812	18 X 12 Mechanical Joint C153 Reducer Less Accessories	EA	1	\$ 574.78	\$ 574.78						
MUHLA1816	18 X 16 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,707.07	\$ 1,707.07						
MUHLA16	16 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 582.75	\$ 1,125.50						
MISTLA12U	12 X 6 Mechanical Joint C153 Swivel Tee Less Accessories	EA	1	\$ 337.75	\$ 337.75						
SSGDP18AP	18 Ductile Iron Restraint Series 3000 W/In Accessories	EA	24	\$ 316.62	\$ 8,855.36						
SSGDP16	16 Ductile Iron Mechanical Joint Restraint 3000 Series	EA	5	\$ 172.44	\$ 862.20						
MUBGP16	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						
MUBGP12	12 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	3	\$ 31.01	\$ 93.03						
APW3768	37 X 200 S MIL POLYWRAP For 14 - 16	RL	1	\$ 214.75	\$ 214.75						
APW2988	29 X 200 S 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
AFC3518MMLAC18	Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE Valve With Adaptor	EA	5	\$ 12,819.99	\$ 64,099.95	AFC2518MMLA01	18 Mechanical Joint Resilient Wedge Ductile Iron Open Left	EA	1	\$ 12,819.99	\$ 12,819.99
SSGDP18AP	18 Ductile Iron Restraint Series 3000 W/In Accessories	EA	10	\$ 316.62	\$ 3,166.20	SPVCPK4018N	*CVR* 18 PVC STARGRIP SER 4000 W/AC	EA	2	\$ 422.81	\$ 845.62
PSVB5625W	2 Piece Screw 161/248 Comp Cast Iron Valve Box Water	EA	5	\$ 110.00	\$ 550.00	PSVB5625W	2 Piece Screw 161/248 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
AFC3516MMLAC16	Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE Valve Less Accessories	EA	2	\$ 6,038.89	\$ 12,057.78	AFC3516MMLA01	16 Mechanical Joint Resilient Wedge Ductile Iron Open Left	EA	2	\$ 6,038.89	\$ 12,057.78
SSGDP16	16 Ductile Iron Mechanical Joint Restraint 3000 Series	EA	4	\$ 172.44	\$ 689.76	SPVCPK4016N	*CVR* 16 PVC STARGRIP SER 4000 W/AC	EA	4	\$ 348.28	\$ 1,393.12
MUBGP16	16 Mechanical Joint C153 Bolt Gasket Pack Less Gland	EA	4	\$ 75.78	\$ 303.12	PSVB5625W	2 Piece Screw 161/248 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 161/248 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
AFC3512MMLA01	12 Flanged X Mechanical Joint Resilient Wedge Open Left GATE Valve Less Accessories	EA	1	\$ 1,815.00	\$ 1,815.00	AFC3512MMLA01	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
MUBGP12	12 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	1	\$ 31.01	\$ 31.01	PSVB5625W	2 Piece Screw 161/248 Comp Cast Iron Valve Box Water	EA	2	\$ 110.00	\$ 220.00
BGS18012	12 150# Bolt and Nut Full Face Gasket Set	EA	1	\$ 35.48	\$ 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 161/248 Comp Cast Iron Valve Box Water	EA	1	\$ 110.00	\$ 110.00						
163) 12" GATE VALVE				\$	2,146.48						

164) FIRE HYDRANT ASSEMBLY						08) Fire Hydrant						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	Comment	UM	Qty	Final Bid Price	Extended Bid Price
AltC2506MMLAC	6 Mechanical Joint Resilient Wedge Ductile Iron Open Left Gate Valve Less Accessories	EA	4	\$ 585.00	\$ 2,340.00	MJTLA18U	18 X 6 Mechanical Joint C153 Swivel Tee Less Accessories		EA	3	\$ 1,070.58	\$ 3,211.74
K17817	3 Ft Gate Valve Stem Extension	EA	4	\$ 68.69	\$ 274.76	MJTLA12U	12 X 6 Mechanical Joint C153 Swivel Tee Less Accessories		EA	1	\$ 337.75	\$ 337.75
PSVB562SW	Two Piece Screw 16T/248 Comp Cast Iron Valve Box Water	EA	4	\$ 110.00	\$ 440.00	AltC2506MMLAOL	6 Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE		EA	4	\$ 695.00	\$ 2,780.00
AFT350PU	6 CL350 Cement Lined Ductile Iron Fast Tee Pipe	FT	60	\$ 23.27	\$ 1,396.20	PSVB562SW	2 Piece Screw 16T/248 Comp Cast Iron Valve Box Water		EA	4	\$ 110.00	\$ 440.00
APW1888	18 X 200 B.M. Polywrap For 4 - 6 Pipe	RL	1	\$ 111.22	\$ 111.22	AFT350PU	6 CL350 Cement Lined Ductile Iron FASTTEE Pipe		FT	40	\$ 23.27	\$ 930.80
AltC884BLADSL	5/4 Hydrant 5" Open Left Less Accessories With STORTZ LEAN	EA	4	\$ 2,490.00	\$ 9,960.00	APW1888	18 X 200 B.M. POLYWRAP For 4 - 6		RL	4	\$ 111.22	\$ 444.88
SSGDP06N	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON PIPE 6 SGRIP SERIES 3000EA	EA	8	\$ 28.27	\$ 226.16	AltC884BLADSL	5/4 Hydrant 5" Open Left Less Accessories With STORTZ LEAN		EA	4	\$ 2,950.00	\$ 11,800.00
MJBGPJU	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
				\$	14,835.74	SPVCPK4012G2	12 PVC SGRIP SERIES 4000 G2 W/ACC		EA	2	\$ 169.04	\$ 338.08
						SSGDP06N	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON		EA	8	\$ 32.58	\$ 260.72
						MJBGPJU	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						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name		UM	Qty	Final Bid Price	Extended Bid Price
MJTLA18U	18 X 6 Mechanical Joint X Flange C153 Tee Less Accessories	EA	2	\$ 1,046.10	\$ 2,092.20	MJTLA18U	18 X 6 Mechanical Joint X Flange C153 Tee Less Accessories		EA	2	\$ 1,046.10	\$ 2,092.20
MJTLA12P	12 X 4 Mechanical Joint X Flange C153 Tee Less Accessories	EA	1	\$ 430.10	\$ 430.10	MJTLA12P	12 X 4 Mechanical Joint X Flange C153 Tee Less Accessories		EA	1	\$ 430.10	\$ 430.10
FCRUM	6 X 3 Ductile Iron 125# C110 Flange Concentric Reducer	EA	2	\$ 149.05	\$ 298.10	FCRUM	6 X 3 Ductile Iron 125# C110 Flange Concentric Reducer		EA	2	\$ 167.48	\$ 334.96
FCRPM	4 X 3 Ductile Iron 125# C110 Flange Concentric Reducer	EA	1	\$ 91.85	\$ 91.85	FCRPM	4 X 3 Ductile Iron 125# C110 Flange Concentric Reducer		EA	1	\$ 91.85	\$ 91.85
PSM	3 Ductile Iron 125# C110 Flange 90 BEND	EA	6	\$ 86.35	\$ 518.10	PSM	3 Ductile Iron 125# C110 Flange 90 BEND		EA	3	\$ 86.35	\$ 259.05
AltC2506MMLAOL	3 Flanged X Mechanical Joint Resilient Wedge Ductile Iron Left GATE Valve Less Accessories	EA	3	\$ 365.00	\$ 1,095.00	FFPMG	3X10 Flange X PE Cement Lined Bituminous Tar Ductile Iron		EA	3	\$ 403.43	\$ 1,210.29
PSVB562SW	2 Piece Screw 16T/248 Comp Cast Iron Valve Box Water	EA	3	\$ 110.00	\$ 330.00	AltC2506MMLAOL	3 Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE		EA	3	\$ 485.00	\$ 1,455.00
K17817	3 Valve STEM Extension ALUSTIN STYLE	EA	3	\$ 68.69	\$ 206.07	PSVB562SW	2 Piece Screw 16T/248 Comp Cast Iron Valve Box Water		EA	3	\$ 110.00	\$ 330.00
FFPMG	3X10 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	3	\$ 710.40	\$ 2,131.20	AFT350PU	3 CL53 Ductile Iron FASTTEE Pipe		FT	60	\$ 40.03	\$ 2,401.80
FFPMG	3X10 Flange X Flange Cement Lined Bituminous Tar Ductile Iron Spool	EA	3	\$ 306.67	\$ 920.01	MJFLAM	3 Mechanical Joint X Flange C153 90 BEND Less Accessories		EA	3	\$ 82.20	\$ 246.60
FFIGARVWTR	3" FLG ARV F/WATER	EA	3	\$ 1,617.50	\$ 4,852.50	FFPMG	3X10 Flange X Flange Cement Lined Bituminous Tar Ductile Iron		EA	3	\$ 306.67	\$ 920.01
TAPB3MK	3 X 2 Ductile Iron C110 125# IPT Tap on Pipe BEND Flange	EA	3	\$ 64.35	\$ 193.05	A147CM	3A-147C Comb Air Valve		EA	3	\$ 1,617.50	\$ 4,852.50
IGNK48	2 X 48 Galvanized Ready CUT Pipe	EA	3	\$ 79.18	\$ 237.54	IGNMCL	3X10SE Galvanized Steel Nipple		EA	3	\$ 21.98	\$ 65.94
C401E	2 GALV SCRIP Cover Vent Cap	EA	3	\$ 35.69	\$ 107.07	IGSM	3 Galvanized Malleable Iron 150# 90 Elbow		EA	6	\$ 81.50	\$ 489.00
IGNTU	2 X 6 Galvanized Steel Nipple	EA	3	\$ 15.73	\$ 45.69	IGNM12	3 X 12 Galvanized Steel Nipple		EA	3	\$ 62.46	\$ 187.38
IG9K	2 Galvanized Malleable Iron 150# 90 Elbow	EA	6	\$ 22.06	\$ 132.36	IG150UM	Lead Line Comp 1/2 3 Galvanized Malleable Iron 150# GI Union		EA	3	\$ 63.90	\$ 191.70
SSGDP03N	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON PIPE 3 SGRIP SERIES 3000EA	EA	3	\$ 73.24	\$ 69.72	IGNM36	3 X 36 Galvanized Ready CUT Pipe		EA	3	\$ 106.38	\$ 319.14
IGNK24	2 X 24 Galvanized Ready CUT Pipe	EA	3	\$ 45.06	\$ 135.18	IGNM48	3 X 48 Galvanized Ready CUT Pipe		EA	3	\$ 128.90	\$ 386.70
SSGDP18AP	18 Ductile Iron Restraint Series 3000 Wm Accessories	EA	4	\$ 318.62	\$ 1,266.48	CFRA	3 Ductile Iron C110 125# Thread Comp Flanged For SLL		EA	6	\$ 49.63	\$ 297.78
SSGDP12	12 3000 Series Ductile Iron Mechanical Joint STARGRIP Restraint	EA	2	\$ 86.29	\$ 172.58	S585	Stainless Steel BUG Screen		FT	3	\$ 13.87	\$ 41.61
MJBGP12	12 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	2	\$ 31.01	\$ 62.02	SPVCPK4018H	*CVR* 18 PVC STARGRIP SER 4000 W/ACC		EA	4	\$ 422.81	\$ 1,691.24
MJBGP6M	3 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	3	\$ 14.49	\$ 43.47	SPVCPK4012G2	12 PVC SGRIP SERIES 4000 G2 W/ACC		EA	2	\$ 169.04	\$ 338.08
BGS150U	6 150# Bolt and Full Face Gasket Set	EA	2	\$ 14.83	\$ 29.66	BGS150U	6 150# Bolt and Full Face Gasket Set		EA	2	\$ 14.83	\$ 29.66
BGS150P	4 150# Bolt and Full Face Gasket Set	EA	1	\$ 10.82	\$ 10.82	BGS150P	4 150# Bolt and Full Face Gasket Set		EA	1	\$ 10.82	\$ 10.82
BGS150M	3 150# Bolt and Full Face Gasket Set	EA	18	\$ 7.24	\$ 130.32	BGS150M	3 150# Bolt and Full Face Gasket Set		EA	9	\$ 7.24	\$ 65.16
EV2432MCWTRN32	Mannho Ring & Cover Water Right Water NO LOGO	EA	3	\$ 518.29	\$ 1,554.87	SSGDP03N	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON		EA	9	\$ 26.15	\$ 235.35
ACQRM34	3X34 Concrete GRADE Ring "Z"	EA	6	\$ 25.41	\$ 152.46	MJBGP6M	3 Mechanical Joint C153 Bolt Gasket Pack Less GLAND		EA	9	\$ 14.49	\$ 130.41
CMHRS13	5 X 13 Mannho Flap TOP	EA	3	\$ 734.00	\$ 2,202.00							
CMHRS12	5 X 12 Mannho Riser SECT	EA	30	\$ 217.00	\$ 6,510.00							
					\$ 26,020.42							
165) 3" AIR RELEASE VALVE						13) 36" Steel Casing						
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name		UM	Qty	Final Bid Price	Extended Bid Price
	36 500STLCASIN 36" X 500 STL CASING	FT	780	\$ 172.27	\$ 134,370.60	OSCP50036	36 X 500 Steel CASING Pipe		C	780	\$ 19,101.25	\$ 148,989.75
	18X36SSCSUHM 18X36 SS CASING SPACER W/ UHMW RUNNER	EA	117	\$ 150.19	\$ 17,572.23	B19503600512CR	19 50 X 35 00 SS 12 Wide Casing Spacer		EA	117	\$ 150.19	\$ 17,572.23
	18X36ES	EA	6	\$ 113.62	\$ 681.72	B19503600ESW	19 50 X 36 00 End Seal Wrap		EA	6	\$ 113.62	\$ 681.72
					\$ 152,624.55							\$ 167,243.70

168) BLOW OFF ASSEMBLY						11) Water Blowoff					
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
MAJTLA18U	18 X 6 Mechanical Joint X Flange C153 Tee Less Accessories	EA	2	\$ 1,046.10	\$ 2,092.20	MAJTLA18U	18 X 6 Mechanical Joint X Flange C153 Tee Less Accessories	EA	2	\$ 1,046.10	\$ 2,092.20
AAC2506FQLOH	6 Flanged Resistant Wedge Ductile Iron Open Left GATE Valve W/OP NUT	EA	2	\$ 535.00	\$ 1,070.00	AAC2506FQLOH	6 Flanged Resistant Wedge Ductile Iron Open Left GATE Valve	EA	2	\$ 535.00	\$ 1,070.00
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
E17817	3 Valve STEM Extension ALUSTIN STYLE	EA	4	\$ 68.69	\$ 274.76	FFPUX	6X20 Flange X Flange Cement Lined Buttmilous Tar Ductile Iron	EA	2	\$ 324.00	\$ 648.00
FFPUM	6X30 Flange X Flange Cement Lined Buttmilous Tar Ductile Iron Spool	EA	2	\$ 478.93	\$ 957.86	FFPUX	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	FFPUX	6X20 Flange X Flange Cement Lined Buttmilous Tar Ductile Iron	EA	2	\$ 831.43	\$ 1,662.86
GNKU	2 X 6 Galvanized Steel Nipple	EA	4	\$ 15.23	\$ 60.92	P9U	6 Ductile Iron 125# C110 Flange 90 BEND	EA	2	\$ 206.80	\$ 413.60
NGSK	2 Galvanized Malleable Iron 150# 90 Elbow	EA	4	\$ 22.06	\$ 88.24	FAU	6 Ductile Iron 125# C110 Flange 45 BEND	EA	2	\$ 183.70	\$ 367.40
P9U	6 Ductile Iron 125# C110 Flange 90 BEND	EA	2	\$ 206.80	\$ 413.60	BFU	6 Ductile Iron C110 125# BEND Flange	EA	2	\$ 94.05	\$ 188.10
PHW156200K	2 Stainless Steel 200 # Threaded NTS GATE Valve	EA	2	\$ 218.45	\$ 436.90	SPVCPK40JEN	*CVR* 18" PVC STARSHIP SER 4000 WJAC	EA	4	\$ 422.81	\$ 1,691.24
GNK24	2 X 24 Galvanized Ready CUT Pipe	EA	4	\$ 45.06	\$ 180.24	NGS150U	6 150# Bolt and Full Face Gasket Set	EA	14	\$ 14.83	\$ 207.62
SGGDP18AP	18 Ductile Iron Restraining Series 3000 With Accessories	EA	4	\$ 116.62	\$ 466.48	GNKU	2 X 6 Galvanized Steel Nipple	EA	4	\$ 15.23	\$ 60.92
NGS150U	6 150# Bolt and Full Face Gasket Set	EA	14	\$ 14.83	\$ 207.62	NGK	2 Galvanized Malleable Iron 150# 90 Elbow	EA	4	\$ 27.34	\$ 109.36
FAU	6 Ductile Iron 125# C110 Flange 45 BEND	EA	2	\$ 183.70	\$ 367.40	GNK36	2 X 36 Galvanized Ready CUT Pipe	EA	4	\$ 77.23	\$ 308.92
BFU	6 Ductile Iron C110 125# BEND Flange	EA	2	\$ 94.05	\$ 188.10	AAC2602350L	2 OH THRD RW DL GATE VLV	EA	2	\$ 350.00	\$ 700.00
FFPUX	6X60 Flange X Flange Cement Lined Buttmilous Tar Ductile Iron Spool	EA	2	\$ 690.13	\$ 1,380.26	11) Water Blowoff					
NGCAPK	2 Galvanized Malleable Iron 150# Cap	EA	2	\$ 8.23	\$ 16.46						
				\$	10,123.66						
168) BLOW OFF ASSEMBLY											
169) VENT PIPE ASSEMBLY						10) Casing Vent					
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
FFPUM	3560 Flange X PE Cement Lined Buttmilous Tar Ductile Iron Spool	EA	4	\$ 835.20	\$ 3,340.80	GGPEA53U1U	6 Galvanized Plain End ASSA UFM Schedule 40 Pipe	C	21	\$ 1,903.66	\$ 399.77
MAJLAM21AP	3" MJ 90 W/ 2" TAP	EA	2	\$ 141.10	\$ 282.20	GGFF50FU	6 Galvanized Carbon Steel 150# Flat Face Slip On Flange	EA	2	\$ 49.45	\$ 98.90
GBRLFKG	Lead Law Compliant 2 X 1 Brass Bushing	EA	2	\$ 16.94	\$ 33.88	FFPUX	6 Ductile Iron 125# C110 Flange 90 Bend w/ 2" Lap	EA	2	\$ 362.03	\$ 724.06
GBRNGU	Lead Law Compliant 1 X 6 Brass Nipple GBL	EA	4	\$ 14.71	\$ 58.84	FFPUX	6X60 Flange X Flange Cement Lined Buttmilous Tar Ductile Iron	EA	2	\$ 831.43	\$ 1,662.86
GBALF9G	Lead Law Compliant 1 Brass 90 Elbow	EA	4	\$ 8.29	\$ 33.16	P9U	6 Ductile Iron 125# C110 Flange 90 BEND	EA	2	\$ 206.80	\$ 413.60
GBRNGH24	Lead Law Compliant 1 X 24 Brass Nipple GBL	EA	4	\$ 60.78	\$ 243.12	FAU	6 Ductile Iron 125# C110 Flange 45 BEND	EA	2	\$ 183.70	\$ 367.40
PPC1300G	Lead Law Compliant 1 Brass 200 # Threaded WAS GATE Valve	EA	2	\$ 17.06	\$ 34.12	FAU	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	NGS150U	6 150# Bolt and Full Face Gasket Set	EA	10	\$ 14.83	\$ 148.30
E17817	3 Valve STEM Extension ALUSTIN STYLE	EA	2	\$ 68.69	\$ 137.38	GNKU	2 X 6 Galvanized Steel Nipple	EA	4	\$ 15.23	\$ 60.92
FCRUM	6 X 3 Ductile Iron 125# C110 Flange Concentric Reducer	EA	2	\$ 149.05	\$ 298.10	NGK	2 Galvanized Malleable Iron 150# 90 Elbow	EA	4	\$ 27.34	\$ 109.36
MAJTLA18U	18 X 6 Mechanical Joint X Flange C153 Tee Less Accessories	EA	2	\$ 1,046.10	\$ 2,092.20	GNK36	2 X 36 Galvanized Ready CUT Pipe	EA	4	\$ 77.23	\$ 308.92
BFM	3 Ductile Iron 125# C110 Flange 90 BEND	EA	2	\$ 86.35	\$ 172.70	AAC2602350L	2 OH THRD RW DL GATE VLV	EA	2	\$ 350.00	\$ 700.00
FLM	3 Ductile Iron 125# C110 Flange 45 BEND	EA	2	\$ 67.10	\$ 134.20	10) Casing Vent					
BFM	3 Ductile Iron C110 125# BEND Flange	EA	2	\$ 36.30	\$ 72.60						
SGGDP18AP	18 Ductile Iron Restraining Series 3000 With Accessories	EA	4	\$ 116.62	\$ 466.48						
SGGDP10JN	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON PIPE 3 SGRIP SERIES 3000EA	EA	4	\$ 23.24	\$ 92.96						
MAJBGPM	3 Mechanical Joint C153 Bolt Gasket Pack 150# GLAND	EA	4	\$ 14.49	\$ 57.96						
NGS150U	6 150# Bolt and Full Face Gasket Set	EA	2	\$ 14.83	\$ 29.66						
NGS150H	3 150# Bolt and Full Face Gasket Set	EA	8	\$ 7.92	\$ 63.36						
GBRLFCAPG	Lead Law Compliant 1 Brass Cap	EA	2	\$ 5.45	\$ 10.90						
				\$	8,669.18						
169) VENT PIPE ASSEMBLY											
170) FLUSHING VALVE ASSEMBLY						12) Auto Flush Valve					
Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price	Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
S31700143214012	12-14X2 Iron Pipe Double Saddle 12-62-14 32	EA	1	\$ 178.30	\$ 178.30	S31700143214000	12-14X2 Iron Pipe Double Saddle 12-62-14 32	EA	1	\$ 178.30	\$ 178.30
FFB17007HL	Lead Law Compliant 2 MIP X FIP BALL Corp	EA	1	\$ 321.37	\$ 321.37	FFB17007HL	Lead Law Compliant 2 MIP X FIP BALL Corp	EA	1	\$ 321.37	\$ 321.37
GBRNXU	Lead Law Compliant 2 X 6 Brass Nipple GBL	EA	2	\$ 33.27	\$ 66.54	GBRNXU	Lead Law Compliant 2 X 6 Brass Nipple GBL	EA	2	\$ 33.27	\$ 66.54
GBRLFKG	Lead Law Compliant 2 Brass 90 Elbow	EA	2	\$ 26.82	\$ 53.64	GBRLFKG	Lead Law Compliant 2 Brass 90 Elbow	EA	2	\$ 26.82	\$ 53.64
GBRNXK48	Lead Law Compliant 2 X 48 Brass Nipple GBL	EA	2	\$ 275.33	\$ 550.66	GBRNXK48	Lead Law Compliant 2 X 48 Brass Nipple GBL	EA	2	\$ 275.33	\$ 550.66
FFB11777WNL	Lead Law Compliant 2 FIP X FIP BALL CURB ST 1W	EA	1	\$ 347.99	\$ 347.99	FFB11777WNL	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
E17817	3 Valve STEM Extension ALUSTIN STYLE	EA	1	\$ 68.69	\$ 68.69	ANGJAIN2PYC018HYDROGUARD	HYDROGUARD HG1 AUTO FLUSH	EA	1	\$ 4,375.00	\$ 4,375.00
NGJX	2" HYDRO GUARD AUTO FLUSH	EA	1	\$ 4,375.00	\$ 4,375.00	12) Auto Flush Valve					
				\$	6,045.01						
170) FLUSHING VALVE ASSEMBLY											

172) METER & BACKFLOW PREVENTION STATION

Alt 1	Name	UM	Qty	Final Bid Price	Extended Bid Price
PPF18K	18" x 20 PE x PE SPOOL	EA	6	\$ 590.93	\$ 3,545.58
AFC2518AM1AC18	18 Mechanical Joint Resilient Wedge Ductile Iron Open Left GATE Valve Less Accessor	EA	1	\$ 10,440.79	\$ 10,440.79
PSV95625W	2 Piece Screw 18T/24B Comp Cast Iron Valve Box Water	EA	2	\$ 110.00	\$ 220.00
EL17817	3 Valve STEM Extension AUSTIN STYLE	EA	2	\$ 68.69	\$ 137.38
PPP12K	12" x 20 PE x PE SPOOL	EA	1	\$ 359.47	\$ 359.47
PPP18M	18" x 30 PE x PE SPOOL	EA	4	\$ 833.33	\$ 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
MURLA1812	18 X 12 Mechanical Joint C153 Reducer Less Accessories	EA	1	\$ 574.78	\$ 574.78
AFC2513AM1AC12	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
RD4000B135018	DISMANTLING JOINT	EA	1	\$ 816.87	\$ 816.87
PPP181	18X110 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	1	\$ 3,597.87	\$ 3,597.87
AFC2518FOL	18 Flanged Resilient Wedge Ductile Iron Open Left GATE Valve	EA	1	\$ 10,440.79	\$ 10,440.79
PPP2M	8X30 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 489.07	\$ 978.14
AFC2508FOLHVB	8 Flanged Resilient Wedge Open Left GATE Valve W in Hand Wheel ZN	EA	2	\$ 910.00	\$ 1,820.00
MURLA18	18 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 833.14	\$ 1,666.28
MURLA1810	18 X 10 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 585.15	\$ 1,170.30
181GDSMANTL18	FLG DISMANTLING JOINT	EA	1	\$ 2,526.26	\$ 2,526.26
PPFKK	8X20 Flange X Flange Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 598.40	\$ 1,196.80
18XBMUCCRED	18X80 RCC RED	EA	2	\$ 619.91	\$ 1,239.82
PPP18Y	18X90 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	1	\$ 3,073.07	\$ 3,073.07
PPP10K	10X80 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 1,276.27	\$ 2,552.54
F410	30 Ductile Iron 125# C130 Flange 45 BEND	EA	4	\$ 451.00	\$ 1,804.00
PPP10M1TAP	30" X 30 FLG X FLG SPOOL W/ 1" THRD TAP	EA	2	\$ 1,053.33	\$ 2,106.66
11X35NIP	1 1/2 SS NIP	EA	2	\$ 13.71	\$ 27.42
15AC1CG	1 Stainless Steel 304 150# Thread Coupling	EA	2	\$ 6.91	\$ 13.82
15ACTBGD	1 X 1/2 Stainless Steel 304 150# Thread Bushing	EA	2	\$ 5.33	\$ 10.66
117X35NIP	1 1/2 X 3/4 SS NIP	EA	16	\$ 10.24	\$ 163.84
PNW200AD	1/2 Stainless Steel 1000# Threaded 2 Piece Full Port BV Locking Lever	EA	4	\$ 36.76	\$ 147.04
15ACTTD	1/2 Stainless Steel 304 150# Thread Tee	EA	5	\$ 5.21	\$ 26.05
15ACTB08	1/2 X 1/4 Stainless Steel 304 150# Thread Bushing	EA	2	\$ 2.62	\$ 5.24
PNWXL1G00300L	Lead Law Compliant Not Cert Fed Liquid 2 1/2 Steel BR Gauge 0-300 1/4 Medium	EA	3	\$ 44.65	\$ 133.95
15ACTBD	1/2 Stainless Steel 304 150# Thread 90 Elbow	EA	3	\$ 3.84	\$ 11.52
PP23VHBD	Lead Law Compliant LFRP 1/2 NIP HOSE 808 BV	EA	3	\$ 14.00	\$ 42.00
RD400101050110	DISMANTLING JOINT	EA	4	\$ 1,164.80	\$ 4,659.20
PNW350F10	Lead Law Compliant 10 Reduced Port Detector Assembly W in Outside Stem & Yoke	EA	2	\$ 12,755.00	\$ 25,510.00
PPP10M1TAP	10" X 30 FLG X FLG SPOOL W/ 2" THRD O-LET TAP	EA	3	\$ 1,332.27	\$ 3,996.81
2X35NIP	2 X 3/4 SS NIP	EA	8	\$ 26.62	\$ 212.96
PNW200AK	2 Stainless Steel 1000# Threaded 2 Piece Full Port BV Locking Lever	EA	2	\$ 222.55	\$ 445.10
AL4562K	2 Combination A-R RELEASE Valve	EA	3	\$ 668.74	\$ 2,006.22
15ACTTK	2 Stainless Steel 304 150# Thread Tee	EA	2	\$ 33.53	\$ 67.06
15ACT3PK	2 Stainless Steel 304 150# Thread SQ PLUG	EA	7	\$ 12.29	\$ 86.03
2X1255NIP	2" X 1 1/2" SS NIP	EA	2	\$ 109.16	\$ 218.32
15ACTRK	2 Stainless Steel 304 150# Thread 90 Elbow	EA	6	\$ 23.14	\$ 138.84
2X2455NIP	2" X 2 1/4" SS NIP	EA	3	\$ 212.37	\$ 637.11
15ACTCAPK	2 Stainless Steel 304 150# Thread Cap	EA	2	\$ 14.57	\$ 29.14
55B5	Stainless Steel BUG Screen	PT	2	\$ 13.87	\$ 27.74
5317001212140K12	12X12 Iron Pipe Double Saddle 10 64-12 12	EA	3	\$ 93.51	\$ 280.53
15ACTB08	2 X 1/2 Stainless Steel 304 150# Thread Bushing	EA	4	\$ 17.38	\$ 69.52
15ACTCAPD	1/2 Stainless Steel 304 150# Thread Cap	EA	2	\$ 2.56	\$ 5.12
PPP10H	10X70 Flange X PE Cement Lined Bituminous Tar Ductile Iron Spool	EA	2	\$ 1,347.20	\$ 2,694.40
MUTLA18	18 Mechanical Joint C153 Tee Less Accessories	EA	1	\$ 1,103.01	\$ 1,103.01
PPP16K	16" X 20 PE x PE SPOOL	EA	1	\$ 514.13	\$ 514.13
MURLA1810	16 X 10 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 387.02	\$ 774.04
MURLA18	16 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 3	Name	UM	Qty	Final Bid Price	Extended Bid Price
AFC2518AM1AC18	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
MURLA1812	18 X 12 Mechanical Joint C153 Reducer Less Accessories	EA	1	\$ 574.78	\$ 574.78
AFC2512MM1AC12	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
MURLA18X	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	8X10 Flange X PE Cement Lined Bituminous Tar Ductile Iron	EA	3	\$ 705.14	\$ 2,115.42
AFC2518FOL	18 Flanged Resilient Wedge Ductile Iron Open Left GATE Valve	EA	1	\$ 12,819.99	\$ 12,819.99
RD400181375110	DISMANTLING JOINT	EA	1	\$ 2,526.26	\$ 2,526.26
AFC2508FOL	8 Flanged Resilient Wedge Ductile Iron Open Left GATE Valve	EA	2	\$ 1,120.00	\$ 2,240.00
PPFKK6	8X26 Flange X Flange Cement Lined Bituminous Tar Ductile Iron	EA	1	\$ 526.86	\$ 526.86
RD750VDMWA18	8X18 Magnetic Flow Meter 8750	EA	1	\$ 4,302.67	\$ 4,302.67
PPFKG6	8X16 Flange X Flange Cement Lined Bituminous Tar Ductile Iron	EA	1	\$ 408.00	\$ 408.00
RD4000B135018	DISMANTLING JOINT	EA	1	\$ 816.87	\$ 816.87
MURLA18	18 Mechanical Joint C153 45 BEND Less Accessories	EA	2	\$ 833.14	\$ 1,666.28
MURLA1810	18 X 10 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 585.15	\$ 1,170.30
18SGMA FOSTER ADPT W/ MJ AOC KIT	18SGMA FOSTER ADPT W/ MJ AOC KIT	EA	2	\$ 552.44	\$ 1,104.88
PPP1012	10X120 Flange X PE Cement Lined Bituminous Tar Ductile Iron	EA	4	\$ 2,137.71	\$ 8,550.84
F410	30 Ductile Iron 125# C130 Flange 45 BEND	EA	4	\$ 451.00	\$ 1,804.00
10MEGAFLANGE	Flange Adapter	EA	4	\$ 349.72	\$ 1,398.88
10X30 Flange X PE Cement Lined Bituminous Tar Ductile Iron	Lead Law Compliant 10 Reduced Port Detector Assembly W in	EA	2	\$ 17,555.00	\$ 35,110.00
MURLA1610	16 X 10 Mechanical Joint C153 Reducer Less Accessories	EA	2	\$ 387.02	\$ 774.04
18SGMA FOSTER ADPT W/ MJ AOC KIT	18SGMA FOSTER ADPT W/ MJ AOC KIT	EA	4	\$ 436.19	\$ 1,744.76
MURLA16	16 Mechanical Joint C153 90 BEND Less Accessories	EA	3	\$ 787.11	\$ 2,361.33
MURLA16	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* 18 PVC STARGRIP SER 4000 W/AC	EA	27	\$ 632.46	\$ 17,076.42
SPVCPK4016H	*CVR* 16 PVC STARGRIP SER 4000 W/AC	EA	2	\$ 348.28	\$ 696.56
SPVCPK401262	12 PVC SGIP SERIES 4000 G2 W/ AOC	EA	4	\$ 169.04	\$ 676.16
SSGPPK10N	MECHANICAL JOINT WEDGE RESTRAINTS FOR DUCTILE IRON	EA	4	\$ 104.33	\$ 417.32
PNWBS2118	18 2N 150# Flange NUT/BLT Set	EA	3	\$ 83.92	\$ 251.76
PNW1PFGA18	18 Red Rubber 1/8 Full Face 150# Gaslet	EA	3	\$ 22.64	\$ 67.92
PNWBS2118B318	18 2N 150# BR 1/8 Flange Package	EA	12	\$ 47.84	\$ 574.08
PNWBS2118B318	18 2N 150# BR 1/8 Flange Package	EA	7	\$ 28.15	\$ 205.05
ITOL3MKG	36 - 1 X 1 Forged Steel 3000# TOL	EA	2	\$ 9.82	\$ 19.64
15ACTBGD	1 X 1/2 Stainless Steel 316 150# Thread Bushing	EA	2	\$ 6.96	\$ 13.92
0546NDM	1/2X3 SAO 316L WLD NIP TBE	EA	10	\$ 5.50	\$ 55.00
PNW200AD	1/2 Stainless Steel 1000# Threaded 2 Piece Full Port BV Locking	EA	4	\$ 30.87	\$ 123.48
15ACTTD	1/2 Stainless Steel 316 150# Thread Tee	EA	2	\$ 7.40	\$ 14.80
15ACTCDB	1/2 X 1/4 Stainless Steel 316 150# Thread Coupling	EA	2	\$ 5.45	\$ 10.90
PNWXL1FG0200L	Lead Law Compliant Not Cert Fed Liquid 2 1/2 Steel BR Gauge 0-	EA	2	\$ 44.65	\$ 89.30
15ACTBD	1/2 Stainless Steel 316 150# Thread 90 Elbow	EA	2	\$ 5.71	\$ 11.42
PP23AHMDFN	Lead Law Compliant 1/2 NIP X 3/4 NHT Brass HOSE Adapter	EA	3	\$ 6.80	\$ 20.40
531700121214000	12 X 12 Iron Pipe Double Saddle 10 64-12 12	EA	2	\$ 93.51	\$ 187.02
IGNKM	2 X 3 Galvanized Steel Nipole	EA	4	\$ 11.10	\$ 44.40
M758T08LF	Lead Law Compliant 2 Forever Brass 600 # WOG IPS Threaded	EA	2	\$ 99.85	\$ 199.70
IGCK	2 Galvan Red Malleable Iron 150# Coupling	EA	2	\$ 22.19	\$ 44.38
AD040K	2 Combination A-R RELEASE Valve	EA	2	\$ 668.74	\$ 1,337.48
PA05MAJ	1 1/2 PVC Schedule 40 Slip X Male Adapter	EA	2	\$ 1.35	\$ 2.70
PA08EP120	1 1/2 X 20 PE PVC Schedule 40 BE Pipe	C	40	\$ 222.13	\$ 88.85
PA05BK	2 PVC Schedule 40 Slip X Slip 90 Elbow	EA	4	\$ 2.90	\$ 11.60
PL3605	UNK Sealant W in Stainless Steel NUT & BLT	EA	18	\$ 18.28	\$ 219.00
PL5005	UNK Sealant W in Stainless Steel NUT & BLT	EA	36	\$ 33.43	\$ 1,203.48
CSVP	4 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

EXSSGOOSENECK 30SS GOOSENECK W/SS SCREEN	EA	1	\$	831.25	\$	831.25
SS320B 8 Adjustable Pipe Saddle Support	EA	7	\$	115.71	\$	271.42
SDMCEP18 18 SIGMA FOSTER ADPT W/ MJ ACC KIT	EA	2	\$	552.44	\$	1,104.88
MS9230 10 Adjustable Pipe Saddle Support	EA	4	\$	178.57	\$	714.28
HAIBGP16 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
SDMCEP16 16 SIGMA FOSTER ADPT W/ MJ ACC KIT	EA	4	\$	436.19	\$	1,744.76
SSGDP12 12 3000 Series Ductile Iron Mechanical Joint STARGRP Restraint	EA	4	\$	86.29	\$	345.16
HAIBGP12 12 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	4	\$	111.01	\$	324.04
HAIBGP10 10 Mechanical Joint C153 Bolt Gasket Pack Less GLAND	EA	4	\$	29.82	\$	119.28
SG00T5AL 38X120X64 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
HAIBGPX 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	\$	18.15	\$	127.75
PLS5235 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