

**AGENDA OF A MEETING OF THE TRUSTEES  
OF  
THE ARDMORE PUBLIC WORKS  
AUTHORITY  
HELD ON 06/15/2020 AT 7:00 PM IN THE  
COMMISSION CHAMBERS AFTER REGULAR  
CITY COMMISSION MEETING**

**1. REMOTE VIEWING INSTRUCTIONS**

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/84443228452>

The link will go live at 6:30pm

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**2. CALL TO ORDER**

**3. ROLL CALL**

**4. APPROVE AGENDA - ORDER OF BUSINESS  
AND CONTENTS**

**5. APPROVE MINUTES**

**5.A. Ardmore Public Works Authority Regular Minutes  
of June 1, 2020**

Documents:

[APWA MINUTES 06-01-20.PDF](#)

**6. CONSENT AGENDA**

All items listed are considered to be routine by the Authority and will be enacted by one motion. There will be no separate

discussion of these items unless a Trustee or a citizen so requests, in which event the item will be removed from the consent status and considered in its normal sequence on the agenda.

6.A. **Consent A**

**Consideration and Possible Action to Consent to Ratify an Approval by the Ardmore City Commission of a Bid Received from Complete Property Solutions for Mowing Services at Water Distribution; Water Treatment Plant, and Wastewater Treatment Plant in the Total Amount of \$17,040.00 (Shawn Geurin, Director of Utilities)**

Documents:

[CONSENT A.PDF](#)

6.B. **Consent B**

**Consideration and Possible Action to Consent to Ratify an Approval by the Ardmore City Commission of an Unit Priced Bid Received from Insituform for the Ardmore Public Works /City of Ardmore Maintenance Contract (Shawn Geurin, Director of Utilities)**

Documents:

[CONSENT B.PDF](#)

7. **ADJOURN**

**MINUTES OF A REGULAR MEETING OF THE TRUSTEES OF THE  
ARDMORE PUBLIC WORKS AUTHORITY HELD ON  
JUNE 1, 2020 AT 7:00 PM IN THE COMMISSION CHAMBERS**

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Present:	Doug Pfau Beth Windel	Chairman Vice-Mayor
	Sheryl Ellis John Moore Martin Dyer	Trustee Trustee Trustee
	J.D. Spohn Lori Linney	Manager Secretary

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This meeting was held in compliance with the Oklahoma Open Meeting Act (OSS 25)

**2. CALL TO ORDER BY THE CHAIRMAN**

Chairman Pfau called the meeting to order.

**3. ROLL CALL**

The Secretary called roll. All were present.

Chairman Pfau - In Person  
Vice-Chairman Windel - In Person  
Trustee Ellis - In Person  
Trustee Dyer - In Person  
Trustee Moore - In Person

**4. APPROVE AGENDA – ORDER OF BUSINESS AND CONTENTS**

Motion was made by Trustee Dyer and seconded by Trustee Moore to approve the agenda as written.

Ayes:	Ellis, Moore, Dyer, Windel, Pfau
Nays:	None

**5. APPROVE MINUTES**

**A. of the Ardmore Public Works Authority Regular Meeting held on May 4, 2020**

Motion was made by Trustee Ellis and seconded by Vice-Chairman Windel to approve the minutes of the Ardmore Public Works Authority Regular Meeting of May 4, 2020 as written.

Ayes: Ellis, Moore, Dyer, Windel, Pfau  
Nays: None

**6. CONSENT**

**A. Consideration and Possible Action to Consent to Ratify an Approval by the Ardmore City Commission of the of a Maintenance Renewal Agreement between the City of Ardmore and Azteca Systems, Inc. for Cityworks Application for Service from July 1, 2020 to June 30, 2021 with Ardmore Public Work Authority to Pay \$30,000.00 and the City of Ardmore to Pay \$9,000.00 in a Total Amount of \$39,000.00**

The Ardmore Public Works Authority currently uses Cityworks by Azteca to maintain inventory and infrastructure as well as a work order system. This is the annual update and software support fee for Fiscal Year 2020/2021. The service will be from July 1, 2020 to June 30, 2021 with Ardmore Public Works to pay \$30,000.00 and the City of Ardmore to pay \$9,000.00 in a Total Amount of \$39,000.00.

**B. Consideration and Possible Action to Consent to Ratify an Approval by the Ardmore City Commission of a Contract between the City of Ardmore and Pipeline Analysis for the Condition Assessment and Remedial Measures for I/I Reduction in Basins 10 and 11 in the Total Amount of \$199,977.55**

The Contract between the City of Ardmore and Pipeline Analysis is in the amount of \$119,977.55. This Contract is for the Condition Assessment and Remedial Measures for I/I Reduction in Basins 10 and 11. This project will include but not limited to the inspection of 712 manholes, inspection and smoke testing of 208,705 linear feet of sewer line as well as a final report outlining recommendations for Basins 10 and 11. This project is in the current fiscal year's budget in the Sewer Collection Department.

Motion was made by Trustee Moore and seconded by Trustee Ellis to approve Consent Agenda Item 6.A - B.

Ayes: Ellis, Moore, Dyer, Windel, Pfau  
Nays: None

**7. ADJOURN**

Motion was made by Trustee Dyer and seconded by Trustee Ellis to adjourn from this meeting.

Ayes: Ellis, Moore, Dyer, Windel, Pfau  
Nays: None

ARDMORE PUBLIC WORKS AUTHORITY

Authority Letter No. 4842  
Meeting Date June 15, 2020

Ardmore Public Works Authority  
City of Ardmore, Oklahoma

Re: Request to approve mowing bid received from Complete  
Property Solutions

Dear Trustees:

On Monday, June 1, 2020 at 3:30 pm bids were opened for the mowing of 19 different locations and one add alternate as listed in the attached bid tab. Three bids were received with the lowest bid coming from Complete Property Solutions in the amount of \$17,040 for 16 mowings (\$1,065/mowing) which includes the add alternate. This service has been budgeted in the current Water Distribution, Water Treatment Plant and Wastewater Treatment Plant budgets.

Staffs recommends the approval of the bid and add alternate received from Complete Property Solutions in the amount of \$17,040 for 16 mowings (\$1,065/mowing).

Sincerely,



Shawn Geurin, Utilities Director

Reviewed by: \_\_\_\_\_  
APWA Manager

# Bid Name: Contract Mowing (ROW & APWA)

Bid #: 20-501

Bid Opening Date: June 1, 2020 @ 3:30 P.M.

ITEM	LOCATION	QTY	UNIT PRICE	Complete Property Solutions		Custom Landscaping, Inc.		Legacy Landscape Mnt., LLC		Stephen Wal
				AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	
<b>Schedule I ROW Mowing</b>										
1	Ardmore Club Lake Road from Veterans North 1 Mile									
2	Prairie Valley Road from Cooper Dr. to the church just West of Plainview Rd									
3	Plainview Rd from Prairie Valley Rd to Broadway									
4	12th St. NW from Plainview Rd to Kings Rd									
5	Hedges Rd. from Myall to 210th mile past US 70									
6	Graves Rd from Hwy 77 to C St., SE									
7	Cemetery Rd from C St., SE to Carter SE									
8	Timber Ln from Cemetery Rd to Carter SE									
9	Siolia Rd from C St., SE to Carter SE									
10	Carter SE from 10th SE to 710 mile South of Hwy 70									
11	Ardmore Downtown Executive Airport									
12	Lot between Airport and 10th SE									
13	Lot at the corner of 10th SE and F St., SE									
14	3rd St., NE from 2430 3rd to Mary Niblack (both sides) (North-side west to S St., NE)									
15	S St., NE									
16	Hill Place, NE									
17	P St., SE from Springdale Rd to 3rd NE									
18	Quail Rd									
19	Chickasaw Club Lake- West side from 1621 to Sam Noble and all East side									
20	Ross St., NE									
21	Refinery Rd from Hwy 142 to Indian Hills Rd.									
22	Mt. Washington Rd from Hwy 142 to Indian Hills Rd.									
23	Mesa Rd.									
24	Ridge Rd.									
25	Hwy 70 West from Commerce St. to Mary Niblack Rd. (Median Only)									
26	12th St. and I-35 Exchange									
<b>Schedule II Public Utilities</b>										
1	Lift Station B at 130 S. Rockford Rd									
2	Lift Station at 1610 McClain Rd.									
3	Lift Station at D St. and E. Broadway									
4	Lift Station A at 2231 Hedges Rd									
5	Lift Station at 1520 Southern Hills Dr.									
6	Lift Station at 2521 3 <sup>rd</sup> Ave., NE									
7	Lift Station at Regional Park									
8	Lift Station at Chickasaw Lake Club Road									
9	Lift Station at Derrick Hills on Indian Hills Rd									
10	Lift Station at Town and Country Circle									
11	Lift Station at SOAR Ardmore Industrial Airport on Cypart Way									
12	Lift Station at Industrial Airport									
13	Lift Station at 1931 S. Plainview Rd									
14	Lift Station At 1951 Refinery Rd									
15	OSU Lift Station at 3748 Mary Niblack Rd									
16	Wastewater Plant at Industrial Airport									
17	Water Plant at Industrial Airport									
18	Water Tower, N. Commerce									
19	Public Works Facility, 317 E. Veterans Blvd.									
20	Add Alternate for 1931 S. Plainview Rd.									
				NO BID						
				1,065.00						
				NO BID						
				6,350.00						
				1,085.00						
				NO BID						
				11,898.37						
				1,249.20						
				NO BID						
				1,990.00						
				NO BID						
				1,990.00						

GRAND TOTAL SCHEDULE I:  
GRAND TOTAL SCHEDULE II:

ARDMORE PUBLIC WORKS AUTHORITY

Authority Letter No. 4843  
Meeting Date June 15, 2020

Ardmore Public Works Authority  
City of Ardmore, Oklahoma

Re: Request to approve bid from Insituform for the Ardmore  
Public Works/City of Ardmore Maintenance Contract

Dear Trustees:

One bid was received on June 8, 2020 for the Ardmore Public Works/City of Ardmore Maintenance Contract. This contract provides unit pricing for projects over the next year. Attached is a copy of their unit pricing bid. Individual projects utilizing this contract will be presented at a later date for approval. One bid was received from Insituform and they did meet the minimum specifications.

Staff recommends the approval of the unit priced bid (see attached unit pricing sheet) received from Insituform for the Ardmore Public Works/City of Ardmore Maintenance Contract.

Sincerely,



Shawn Geurin, Utilities Director

Reviewed by: \_\_\_\_\_

  
ADWA Manager



**Ardmore Public Works/City of Ardmore Maintenance Contract**

**Section A - CIPP Mainline Rehabilitation Gravity Applications**

		<u>Quantity</u>	<u>Unit</u>	
1	6" x 4.5mm	1	LF	\$35.00
2	8" x 6.0mm	1	LF	\$30.00
3	10" x 6.0mm	1	LF	\$33.00
4	12" x 6.0mm	1	LF	\$45.00
5	15" x 7.5mm	1	LF	\$55.00
6	18" x 9.0mm	1	LF	\$65.00
7	21" x 9.0mm	1	LF	\$85.00
8	24" x 10.5mm	1	LF	\$105.00
9	27" x 10.5mm	1	LF	\$125.00
10	30" x 12.0mm	1	LF	\$135.00
11	33" x 12.0mm	1	LF	\$150.00
12	36" x 12.0mm	1	LF	\$175.00
13	6" & 8" Additional 1.5mm	1	LF	\$1.00
14	10" & 12" Additional 1.5mm	1	LF	\$5.00
15	15" & 18" Additional 1.5mm	1	LF	\$12.00
16	21" & 24" Additional 1.5mm	1	LF	\$13.00
17	27" Additional 1.5mm	1	LF	\$14.00
18	30" Additional 1.5mm	1	LF	\$16.00
19	33" Additional 1.5mm	1	LF	\$18.00
20	36" Additional 1.5mm	1	LF	\$20.00
21	6" - 12" CIPP Setup Charge Per Install Length	1	LF	\$10.00
22	15" - 21" CIPP Setup Charge Per Install Length	1	LF	\$18.00
23	24" - 36" CIPP Setup Charge Per Install Length	1	LF	\$23.00
24	36" or Larger CIPP Setup Charge Per Install Length	1	LF	\$35.00
25	6" - 10" Backyard Easement Setup Per Install Length	1	LF	\$3.00
26	12" - 18" Backyard Easement Setup Per Install Length	1	LF	\$5.00
27	Timber Matting for Large Diameter Setup	1	SY	\$20.00
28	CIPP Short Length Add-On (<300 LF)	1	IN/DIA/FT	\$10.00
29	Non-Standard Resin System Add-On	1	IN/DIA/FT	\$10.00

Subtotal \$1,271.00

**Section B - Pipebursting Rehabilitation**

		<u>Quantity</u>	<u>Unit</u>	
1	Burst existing 6" or 8" to 8" IPS SDR 19 ( 0'- 8' deep)	1	LF	\$60.00
2	Burst existing 6" or 8" to 8" IPS SDR 19 ( 8'- 12' deep)	1	LF	\$62.50
3	Burst existing 8" or 10" to 10" IPS SDR 19 ( 0'- 8' deep)	1	LF	\$67.50
4	Burst existing 8" or 10" to 10" IPS SDR 19 ( 8'- 12' deep)	1	LF	\$70.00
5	Burst existing 10" or 12" to 12" IPS SDR 19 ( 0'- 8' deep )	1	LF	\$85.00
6	Burst existing 10" or 12" to 12" IPS SDR 19 ( 8'- 12' deep)	1	LF	\$92.50
7	Burst existing 12" or 15" to 16" IPS SDR 19 ( 0'- 8' deep)	1	LF	\$100.00
8	Burst existing 12" or 15" to 16" IPS SDR 19 ( 8'- 12' deep)	1	LF	\$105.00
9	Burst existing 15" or 18" to 18" IPS SDR 19 ( 0'- 8' deep )	1	LF	\$110.00
10	Burst existing 15" or 18" to 18" IPS SDR 19 ( 8'- 12' deep)	1	LF	\$115.00
11	Burst existing 18" or 21" to 22" IPS SDR 19 ( 0'- 8' deep)	1	LF	\$120.00
12	Burst existing 18" or 21" to 22" IPS SDR 19 ( 8'- 12' deep)	1	LF	\$125.00
13	6" - 12" Pipeburst Setup Charge Per Install Length	1	LF	\$10.00
14	16" - 22" Pipeburst Setup Charge Per Install Length	1	LF	\$20.00
15	Pipeburst Short Length Add-On (<300 LF)	1	IN/DIA/FT	\$20.00
16	Change Pipeburst Pipe to Potable Water Grade or Non-Standard Pipe Type Add-On	1	IN/DIA/FT	\$10.00
17	Pipeburst Lateral Setup Charge	1	EA	\$250.00
18	Pipeburst Lateral	1	LF	\$30.00

Subtotal \$1,452.50

<b>Section C - Bypass for Gravity Pipelines and Associated Items</b>		<b>Quantity</b>	<b>Unit</b>	
1	Set Up 4" Pump (Per Pump)	1	EA	\$250.00
2	Set Up 6" Pump (Per Pump)	1	EA	\$500.00
3	Set Up 8" Pump (Per Pump)	1	EA	\$750.00
4	Set Up 12" Pump (Per Pump)	1	EA	\$750.00
5	Set Up 4" Piping	1	LF	\$10.00
6	Set Up 6" Piping	1	LF	\$20.00
7	Set Up 8" Piping	1	LF	\$35.00
8	Set Up 12" Piping	1	LF	\$50.00
9	Set Up 18" Piping	1	LF	\$60.00
10	Operate 4" pumping System	1	DAY	\$250.00
11	Operate 6" pumping System	1	DAY	\$1,000.00
12	Operate 8" pumping System	1	DAY	\$1,500.00
13	Operate 12" pumping System	1	DAY	\$1,500.00
14	Bypass - Driveway Ramp (Setup, Operate, Maintain)	1	EA	\$500.00
15	Bypass - Street Ramp (Setup, Operate, Maintain)	1	EA	\$500.00
16	Bypass - Street Trenching for 8" Pipe (Setup, Operate, Maintain)	1	LF	\$75.00
17	Bypass - Street Trenching for 12" Pipe (Setup, Operate, Maintain)	1	LF	\$100.00
18	Bypass - Street Trenching for 18" Pipe (Setup, Operate, Maintain)	1	LF	\$125.00
19	Bypass Plan (3rd Party Certified)	1	EA	\$2,000.00
			Subtotal	\$9,975.00
<b>Section D - Clean/TV &amp; Evaluation for Gravity Pipelines</b>		<b>Quantity</b>	<b>Unit</b>	
1	6" Clean and TV sanitary sewer	1	LF	\$5.00
2	8" Clean and TV sanitary sewer	1	LF	\$5.00
3	10" Clean and TV sanitary sewer	1	LF	\$6.00
4	12" Clean and TV sanitary sewer	1	LF	\$8.00
5	15" Clean and TV sanitary sewer	1	LF	\$9.00
6	18" Clean and TV sanitary sewer	1	LF	\$11.00
7	21" Clean and TV sanitary sewer	1	LF	\$13.00
8	24" Clean and TV sanitary sewer	1	LF	\$15.00
9	27" Clean and TV sanitary sewer	1	LF	\$16.00
10	30" Clean and TV sanitary sewer	1	LF	\$18.00
11	33" Clean and TV sanitary sewer	1	LF	\$20.00
12	36" Clean and TV sanitary sewer	1	LF	\$25.00
13	6" - 18" Post TV Inspection After Rehabilitation	1	LF	\$2.00
14	21" - 36" Post TV Inspection After Rehabilitation	1	LF	\$3.00
15	Re-setup for TV Due to Point Repairs	1	EA	\$150.00
16	Root removal	1	LF	\$3.50
17	Grease removal	1	LF	\$3.50
18	Other Remote Obstruction removal (max. 10 lf)	1	EA	\$750.00
			Subtotal	\$1,063.00
<b>Section E - Excavation</b>		<b>Quantity</b>	<b>Unit</b>	
1	8" - 12" Point repair ( 0'- 8' deep )	1	EA	\$3,000.00
2	8" - 12" Point repair ( 8'- 12' deep)	1	EA	\$3,500.00
3	15" - 18" Point repair ( 0'-8' deep)	1	EA	\$4,000.00
4	15" - 18" Point repair ( 8'-12' deep)	1	EA	\$4,700.00
5	21" - 24" Point repair ( 0'-8' deep)	1	EA	\$5,000.00
6	21" - 24" Point repair ( 8'-12' deep)	1	EA	\$6,000.00
7	27" - 30" Point repair (0-8' deep)	1	EA	\$7,000.00
8	27"- 30" Point repair (8'-12'deep)	1	EA	\$8,000.00
9	30" - 36" Point repair (0-8' deep)	1	EA	\$8,000.00
10	30" - 36" Point repair (8'-12' deep)	1	EA	\$9,000.00
11	8" - 12" Point repair extra length	1	LF	\$80.00
12	15" - 18" Point repair extra length	1	LF	\$100.00
13	21" -27" Point repair extra length	1	LF	\$150.00
14	27"-30" Point repair extra length	1	LF	\$200.00
15	30" -36" Point repair extra length	1	lf	\$250.00

16	External reconnect ( 0'- 8' deep)	1	EA	\$1,000.00
17	External reconnect ( 8'- 12' deep)	1	EA	\$1,500.00
18	Extra length service over 5' long	1	LF	\$30.00
19	Access Pit (0'-8' deep)	1	EA	\$2,500.00
20	Access Pit (8'-12' deep)	1	EA	\$3,500.00
21	Potholing for Nearby Utility Location (0'-8' deep)	1	EA	\$1,000.00
22	Potholing for Nearby Utility Location (8'-12' deep)	1	EA	\$1,250.00
23	Trench safety	1	LF	\$5.00
24	Install New 4' DIA manhole 0' - 6' deep	1	EA	\$6,000.00
25	Extra depth 4' DIA manhole over 6' deep	1	VF	\$450.00
26	Install New 5' DIA manhole 0' - 6' deep	1	EA	\$6,500.00
27	Extra depth 5' DIA manhole over 6' deep	1	VF	\$550.00
28	Install New 6' DIA manhole 0' - 6' deep	1	EA	\$7,500.00
29	Extra depth 6' DIA manhole over 6' deep	1	VF	\$650.00
30	Cement stabilized sand	1	Ton	\$160.00
31	Granular backfill	1	Ton	\$55.00
32	Flowable Fill	1	CY	\$175.00
33	Extra hand excavation	1	CY	\$100.00
34	4" to 8" Open Cut Replacement (0'-6' deep)	1	LF	\$80.00
35	10" to 12" Open Cut Replacement (0'-6' deep)	1	LF	\$110.00
36	15" to 18" Open Cut Replacement (0'-6' deep)	1	LF	\$115.00
37	21" to 24" Open Cut Replacement (0'-6' deep)	1	LF	\$175.00
38	30" to 36" Open Cut Replacement (0'-6' deep)	1	LF	\$250.00
39	Open Cut Extra Depth Add-On	1	LF	\$150.00
40	Clearing/grubbing for Access	1	Acre	\$7,500.00
			Subtotal	\$100,285.00
<b>Section F - Additional Associated Items</b>		<b>Quantity</b>	<b>Unit</b>	
1	Internal reconnects	1	EA	\$250.00
2	Man Entry Internal reconnects	1	EA	\$750.00
3	Remove and replace cleanout	1	EA	\$1,800.00
4	Repair/Rehab 2" Asphalt pavement	1	SY	\$125.00
5	Repair/Rehab 8" Flex base	1	SY	\$60.00
6	Repair/Rehab 8" Concrete pavement	1	SY	\$200.00
7	Repair/Rehab 6" Concrete driveway	1	SY	\$95.00
8	Repair/Rehab 4" Concrete sidewalk	1	SF	\$18.00
9	Repair/Rehab Concrete curb and gutter	1	LF	\$30.00
10	Sod	1	SY	\$20.00
11	Repair/Rehab chain link fence with new	1	LF	\$50.00
12	Repair/Rehab wooden fence with new	1	LF	\$50.00
13	Traffic control	1	Day	\$500.00
14	Flagmen	1	HR	\$40.00
15	Lighted Arrow Board (Per Arrow Board)	1	Day	\$300.00
16	Traffic Control Plan (3rd Party Certified)	1	EA	\$1,500.00
17	Crane w/ Operator	1	Day	\$1,000.00
			Subtotal	\$6,788.00
<b>Section G - HDPE Tight Fitting Liner (IPS diameters)</b>		<b>Quantity</b>	<b>Unit</b>	
1	6" x DR 32.5 Installation of pipe	1	LF	\$27.00
2	8" x DR 32.5 Installation of pipe	1	LF	\$36.00
3	12" x DR 32.5 Installation of pipe	1	LF	\$63.00
4	24" x DR 32.5 Installation of pipe	1	LF	\$103.00
5	5" to 8" DR standard drop increment (wall increase) PE80 grade	1	LF	\$5.00
6	5" to 8" DR standard drop increment (wall increase) PE100 grade	1	LF	\$8.00
7	10" & 12" DR standard drop increment (wall increase) PE80 grade	1	LF	\$7.00
8	10" & 12" DR standard drop increment (wall increase) PE100 grade	1	LF	\$10.00
9	21" to 24" DR standard drop increment (wall increase) PE80 grade	1	LF	\$20.00
10	21" to 24" DR standard drop increment (wall increase) PE100 grade	1	LF	\$30.00
11	24" to 30" DR standard drop increment (wall increase) PE 80 grade	1	LF	\$30.00

12	30" to 36" DR standard drop increment (wall increase) PE 100 grade	1	LF	\$40.00
13	5" to 8" Polyethylene flange	1	EA	\$200.00
14	10" & 12" Polyethylene flange	1	EA	\$300.00
15	21" to 24" Polyethylene flange	1	EA	\$550.00
16	24" to 30" Polyethylene flange	1	EA	\$650.00
17	30" to 36" Polyethylene flange	1	EA	\$750.00
18	2" to 12" Tite Liner set-up charge Per Install Length	1	LF	\$30.00
19	13" to 24" Tite Liner set-up charge Per Install Length	1	LF	\$40.00
			Subtotal	\$2,899.00
<b>Section H - CIPP Pressure Pipe Lining For Potable and Non-Potable Pressure Pipe</b>		<b>Quantity</b>	<b>Unit</b>	
<b>Potable Pressure Pipelines</b>				
1	6" Installation of Pressure Pipe Lining	1	LF	\$100.00
2	8" Installation of Pressure Pipe Lining	1	LF	\$115.00
3	10" Installation of Pressure Pipe Lining	1	LF	\$130.00
4	12" Installation of Pressure Pipe Lining	1	LF	\$155.00
5	15" Installation of Pressure Pipe Lining	1	LF	\$200.00
6	18" Installation of Pressure Pipe Lining	1	LF	\$230.00
7	21" Installation of Pressure Pipe Lining	1	LF	\$260.00
8	24" Installation of Pressure Pipe Lining	1	LF	\$300.00
9	27" Installation of Pressure Pipe Lining	1	LF	\$360.00
10	30" Installation of Pressure Pipe Lining	1	LF	\$385.00
<b>Non-Potable Pressure Pipelines</b>				
11	6" Reinforced Pressure Pipe Lining	1	LF	\$90.00
12	8" Reinforced Pressure Pipe Lining	1	LF	\$100.00
13	10" Reinforced Pressure Pipe Lining	1	LF	\$115.00
14	12" Reinforced Pressure Pipe Lining	1	LF	\$140.00
15	15" Reinforced Pressure Pipe Lining	1	LF	\$190.00
16	18" Reinforced Pressure Pipe Lining	1	LF	\$210.00
17	21" Reinforced Pressure Pipe Lining	1	LF	\$230.00
18	24" Reinforced Pressure Pipe Lining	1	LF	\$280.00
19	27" Reinforced Pressure Pipe Lining	1	LF	\$320.00
20	30" Reinforced Pressure Pipe Lining	1	LF	\$365.00
21	36" Reinforced Pressure Pipe Lining	1	LF	\$400.00
22	6" Installation of End Seal	1	EA	\$750.00
23	8" Installation of End Seal	1	EA	\$750.00
24	10" Installation of End Seal	1	EA	\$750.00
25	12" Installation of End Seal	1	EA	\$1,000.00
26	15" Installation of End Seal	1	EA	\$1,000.00
27	18" Installation of End Seal	1	EA	\$1,250.00
28	21" Installation of End Seal	1	EA	\$1,250.00
29	24" Installation of End Seal	1	EA	\$1,500.00
30	27" Installation of End Seal	1	EA	\$1,500.00
31	30" Installation of End Seal	1	EA	\$2,000.00
32	36" Installation of End Seal	1	EA	\$2,500.00
33	6" to 12" System set-up charge Per Install Length	1	LF	\$35.00
34	15" to 24" System set-up charge Per Install Length	1	LF	\$45.00
35	24" to 30" System set-up charge Per Install Length	1	LF	\$60.00
36	30" to 36" System set-up charge Per Install Length	1	LF	\$65.00
37	Internal Reconnect for CIPP Pressure Pipe	1	EA	\$1,000.00
38	6" to 12" Install Spool Piece for Pressure Pipe	1	EA	\$3,500.00
39	15" to 21" Install Spool Piece for Pressure Pipe	1	EA	\$5,000.00
40	24" to 30" Install Spool Piece for Pressure Pipe	1	EA	\$7,500.00
41	30" to 36" Install Spool Piece for Pressure Pipe	1	EA	\$8,500.00
			Subtotal	\$44,630.00
<b>Section I - Pressure Pipeline Bypass</b>		<b>Quantity</b>	<b>Unit</b>	
1	Set up bypass of mainlines sizes 2"- 4" AWWA approved bypass	1	LF	\$20.00
2	Connection of each service from 2"- 4" AWWA approved bypass	1	EA	\$250.00

3	Operation of 2"- 4" AWWA approved bypass	1	Day	\$275.00
4	Set up bypass of mainlines sizes 6"- 8" AWWA approved bypass	1	LF	\$40.00
5	Connection of each service from 6"- 8" AWWA approved bypass	1	EA	\$500.00
6	Operation of 6"- 8" AWWA approved bypass	1	Day	\$350.00
7	Set up bypass of mainlines sizes 10"- 12" AWWA approved bypass	1	LF	\$60.00
8	Connection of each service from 10"- 12" AWWA approved bypass	1	EA	\$750.00
9	Operation of 10"- 12" AWWA approved bypass	1	Day	\$600.00
10	Set up bypass of mainlines sizes 13"- 19" AWWA approved bypass	1	LF	\$75.00
11	Connection of each service from 13"- 19" AWWA approved bypass	1	EA	\$1,000.00
12	Operation of 13"- 19" AWWA approved bypass	1	Day	\$800.00
13	Set up bypass of mainlines sizes 20"- 24" AWWA approved bypass	1	EA	\$80.00
14	Connection of each service from 20"- 24" AWWA approved bypass	1	EA	\$1,000.00
15	Operation of 20"- 24" AWWA approved bypass	1	Day	\$850.00
			Subtotal	\$6,650.00
<b>Section J - Line Cleaning and Inspection for Pressure Pipelines &amp; Mechanical Cleaning</b>		<b>Quantity</b>	<b>Unit</b>	
1	6" Cleaning with pressure propelled pigs	1	LF	\$13.00
2	8" Cleaning with pressure propelled pigs	1	LF	\$13.00
3	10" Cleaning with pressure propelled pigs	1	LF	\$13.00
4	12" Cleaning with pressure propelled pigs	1	LF	\$13.00
5	15" Cleaning with pressure propelled pigs	1	LF	\$17.00
6	18" Cleaning with pressure propelled pigs	1	LF	\$17.00
7	21" Cleaning with pressure propelled pigs	1	LF	\$17.00
8	24" Cleaning with pressure propelled pigs	1	LF	\$21.00
9	30" Cleaning with pressure propelled pigs	1	LF	\$28.00
10	36" Cleaning with pressure propelled pigs	1	LF	\$30.00
11	6" Cleaning with scrapers or other attached tools	1	LF	\$21.00
12	8" Cleaning with scrapers or other attached tools	1	LF	\$21.00
13	10" Cleaning with scrapers or other attached tools	1	LF	\$21.00
14	12" Cleaning with scrapers or other attached tools	1	LF	\$21.00
15	15" Cleaning with scrapers or other attached tools	1	LF	\$26.00
16	18" Cleaning with scrapers or other attached tools	1	LF	\$26.00
17	21" Cleaning with scrapers or other attached tools	1	LF	\$26.00
18	24" Cleaning with scrapers or other attached tools	1	LF	\$34.00
19	30" Cleaning with scrapers or other attached tools	1	LF	\$45.00
20	36" Cleaning with scrapers or other attached tools	1	IF	\$47.00
21	6" Pressure pipe inspection	1	LF	\$3.00
22	8" Pressure pipe inspection	1	LF	\$3.00
23	10" Pressure pipe inspection	1	LF	\$4.00
24	12" Pressure pipe inspection	1	LF	\$4.00
25	15" Pressure pipe inspection	1	LF	\$4.00
26	18" Pressure pipe inspection	1	LF	\$6.00
27	21" Pressure pipe inspection	1	LF	\$6.00
28	24" Pressure pipe inspection	1	LF	\$6.00
29	30" Pressure pipe inspection	1	LF	\$8.00
30	36" Pressure pipe inspection	1	LF	\$8.50
31	Tuberculation Removal (Pressure & Gravity Pipelines)	1	IN/DIA/LF	\$4.00
			Subtotal	\$526.50
<b>Section K - Gravity Sewer Lateral Renewal Systems</b>		<b>Quantity</b>	<b>Unit</b>	
1	4"-6" Internal installation and cure of "T" shaped structure (from main <12"dia)	1	EA	\$3,000.00
2	4"-6" Internal installation and cure of top hat shaped structure (from main <12"dia)	1	EA	\$2,750.00
3	4"-6" Installation and cure of structural lateral liner from main <12" dia.	1	LF	\$300.00
4	4"-6" Installation and cure of structural lateral liner from surface clean out to main	1	LF	\$300.00
5	4"-6" Set-up for installations of <20 each total	1	EA	\$750.00
6	4"-6" Set-up for installations of 20-50 each total	1	EA	\$350.00
7	4"-6" Set-up for installations of 50-150 each total	1	EA	\$1.00
8	4"-6" Set-up for installations of 50-150 each total (>150 no set-up will apply)	1	EA	\$1.00

			Subtotal	\$7,452.00
<b>Section L - Manhole, Access Portals and Wet Well Renewal Systems</b>		<b>Quantity</b>	<b>Unit</b>	
1	All Sizes Installation and cure of manhole lining structure depth <10 vf	1	SQFT	\$100.00
2	All Sizes Installation and cure of manhole lining structure depth +10 vf <20 vf	1	SQFT	\$90.00
3	All Sizes Installation and cure of manhole lining structure depth +20 vf <40 vf	1	SQFT	\$80.00
4	All Sizes Set-up for install and cure of manhole lining structure <1000 sq ft	1	SQFT	\$10.00
5	All Sizes Installation of Manhole Chimney Seal	1	EA	\$750.00
6	New manhole frame and cover	1	EA	\$500.00
7	Adjust manhole frame and cover	1	EA	\$1,000.00
8	Manhole Rehabilitation - cementitious	1	SQFT	\$20.00
9	Manhole Rehabilitation - epoxy	1	SQFT	\$20.00
10	Manhole Rehabilitation - modified polymer	1	SQFT	\$30.00
11	Manhole, Pipes or Other Structures	1	SQFT	\$30.00
12	Manhole Bench Rehabilitation - cementitious	1	SQFT	\$20.00
13	Manhole Bench Rehabilitation - epoxy/modified polymer	1	SQFT	\$30.00
14	Manhole Bench Rehabilitation - geopolymer	1	SQFT	\$30.00
15	Manhole Bench Rebuild	1	EA	\$850.00
			Subtotal	\$3,560.00
<b>Section M - Crew Travel &amp; Mobilization</b>		<b>Quantity</b>	<b>Unit</b>	
1	Travel and Mobilization (Standard 1-2 weeks or more)	1	EA	\$5,000.00
2	Travel and Mobilization-Emergency Repair (<1 week)	1	EA	\$6,500.00
			Subtotal	\$11,500.00
<b>Section N - Pressure Pipe Fitting &amp; Misc.</b>				
1	Ductile Iron Fittings, Restraints, Hardware	1	LB	\$ 12.00
2	3-Way Fire Hydrant Assembly	1	EA	\$ 5,000.00
3	Salvage Existing Fire Hydrant	1	EA	\$ 500.00
4	12 Ga. Tracer Wire	1	LF	\$ 5.50
5	Connect to Existing Water Meter(include new angle valve)	1	EA	\$ 1,100.00
6	Furnish & Install New Water Meter & Box	1	EA	\$ 1,750.00
7	Remove Existing Valve & Box	1	EA	\$ 250.00
8	Resilient Seat Gate Valve & Box	1	EA	\$ 1,550.00
9	1-inch HDPE Potable Water Service Line (Short Service) including new angle stop	1	LF	\$ 35.00
10	1-inch HDPE Potable Water Service Line (Long Service) including new angle stop	1	LF	\$ 35.00
11	External Reconnect, water(includes new meter box)	1	EA	\$ 1,250.00
12	Remove & Replace Asphalt Pavement(Permanent Repair per Detail)	1	SY	\$ 150.00
13	Remove & Replace Concrete Pavement(Permanent Repair per Detail)	1	SY	\$ 250.00
14	Remove & Replace Gravel Pavement(Permanent Repair per Detail)	1	SY	\$ 15.00
			Subtotal	\$ 11,902.50
<b>Section O - Geopolymer Storm Pipe &amp; Culvert Lining</b>				
1	30" Storm Pipe - Minimum 1.0"	1	LF	\$ 250.00
2	36" Storm Pipe - Minimum 1.0"	1	LF	\$ 300.00
3	42" Storm Pipe - Minimum 1.0"	1	LF	\$ 345.00
4	48" Storm Pipe - Minimum 1.0"	1	LF	\$ 400.00
5	54" Storm Pipe - Minimum 1.5"	1	LF	\$ 510.00
6	60" Storm Pipe - Minimum 1.5"	1	LF	\$ 560.00
7	66" Storm Pipe - Minimum 1.5"	1	LF	\$ 620.00
8	72" Storm Pipe - Minimum 1.5"	1	LF	\$ 675.00
9	78" Storm Pipe - Minimum 1.5"	1	LF	\$ 725.00
10	84" Storm Pipe - Minimum 1.5"	1	LF	\$ 780.00

