

Roxborough Water and Sanitation District
2018 Roxborough Village Water Line Replacement
Bid Tabulation
3/8/2018

				T. Lowell Construction, Inc.		Redline Pipeline, LLC		Engineer's Estimate	
Item No.	Description	Unit	Quantity	Unit Price	Bid Price	Unit Price	Bid Price	Unit Price	Bid Price
BASE BID - Telluride Court, Westside Street, Village Circle West, Telluride Street, Westside Circle, and Telluride Place Water Line Replacement (Segments 1 - 4)									
<u>General</u>									
1	Performance and Payment Bonds	LS	1	\$ 45,434.00	\$ 45,434.00	\$ 12,200.00	\$ 12,200.00	\$ 5,000.00	\$ 5,000.00
2	Insurance	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 52,464.00	\$ 52,464.00	\$ 5,000.00	\$ 5,000.00
3	Submittals	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 5,450.00	\$ 5,450.00	\$ 2,000.00	\$ 2,000.00
4	Grading, Erosion and Sediment Control Permit	LS	1	\$ 3,500.00	\$ 3,500.00	\$ 7,015.00	\$ 7,015.00	\$ 2,000.00	\$ 2,000.00
5	Right-of-Way Permit	LS	1	\$ 3,500.00	\$ 3,500.00	\$ 98,300.00	\$ 98,300.00	\$ 98,000.00	\$ 98,000.00
6	Other Permits	LS	1	\$ 3,500.00	\$ 3,500.00	\$ 2,400.00	\$ 2,400.00	\$ 3,000.00	\$ 3,000.00
7	Traffic Control	LF	2,460	\$ 39.00	\$ 95,940.00	\$ 43.00	\$ 105,780.00	\$ 18.00	\$ 44,280.00
8	Construction Survey	LF	2,460	\$ 5.00	\$ 12,300.00	\$ 3.25	\$ 7,995.00	\$ 4.00	\$ 9,840.00
9	As-Built Survey	LF	2,460	\$ 5.00	\$ 12,300.00	\$ 7.00	\$ 17,220.00	\$ 2.00	\$ 4,920.00
<u>Temporary Water System Items</u>									
10	3-inch Temporary Water System Piping (Owner supplied materials)	EA	62	\$ 1,400.00	\$ 86,800.00	\$ 500.00	\$ 31,000.00	\$ 700.00	\$ 43,400.00
11	Temporary Water System Type A Service Connection (Owner supplied materials)	EA	48	\$ 700.00	\$ 33,600.00	\$ 388.00	\$ 18,624.00	\$ 500.00	\$ 24,000.00
12	Temporary Water System Type B Service Connection (Owner supplied materials)	EA	14	\$ 2,800.00	\$ 39,200.00	\$ 888.00	\$ 12,432.00	\$ 800.00	\$ 11,200.00
<u>Water Line Replacement Items</u>									
13	6-inch DIP Waterline Removal	LF	152	\$ 14.00	\$ 2,128.00	\$ 14.00	\$ 2,128.00	\$ 20.00	\$ 3,040.00
14	8-inch DIP Waterline Removal	LF	2,282	\$ 15.00	\$ 34,230.00	\$ 15.00	\$ 34,230.00	\$ 20.00	\$ 45,640.00
15	10-inch DIP Waterline Removal	LF	26	\$ 17.00	\$ 442.00	\$ 16.00	\$ 416.00	\$ 40.00	\$ 1,040.00
16	6-inch PVC Waterline, 0 to 8 Feet Deep	LF	152	\$ 77.00	\$ 11,704.00	\$ 99.00	\$ 15,048.00	\$ 80.00	\$ 12,160.00
17	8-inch PVC Waterline, 0 to 8 Feet Deep	LF	2,282	\$ 91.00	\$ 207,662.00	\$ 124.00	\$ 282,968.00	\$ 90.00	\$ 205,380.00
18	10-inch PVC Waterline, 0 to 8 Feet Deep	LF	26	\$ 110.00	\$ 2,860.00	\$ 154.00	\$ 4,004.00	\$ 120.00	\$ 3,120.00
19	Water Trench Over-Excavation	LF	2,460	\$ 25.00	\$ 61,500.00	\$ 14.00	\$ 34,440.00	\$ 15.00	\$ 36,900.00
20	Water Service Re-Connection	EA	61	\$ 1,500.00	\$ 91,500.00	\$ 1,725.00	\$ 105,225.00	\$ 700.00	\$ 42,700.00
21	8-inch DIP Bends and Solid Sleeves	EA	15	\$ 770.00	\$ 11,550.00	\$ 544.00	\$ 8,160.00	\$ 900.00	\$ 13,500.00
22	8-inch Water Connection Detail A	LS	1	\$ 7,100.00	\$ 7,100.00	\$ 13,146.00	\$ 13,146.00	\$ 12,000.00	\$ 12,000.00
23	8-inch/10-inch Water Connection Detail B	LS	1	\$ 6,600.00	\$ 6,600.00	\$ 12,312.00	\$ 12,312.00	\$ 12,000.00	\$ 12,000.00
24	8-inch Water Connection Detail C	LS	1	\$ 6,000.00	\$ 6,000.00	\$ 12,575.00	\$ 12,575.00	\$ 12,000.00	\$ 12,000.00
25	8-inch/10-inch Water Connection Detail D	LS	1	\$ 6,600.00	\$ 6,600.00	\$ 8,375.00	\$ 8,375.00	\$ 10,000.00	\$ 10,000.00

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26	8-inch Water Connection to Existing PVC Pipe/Solid sleeve	EA	3	\$ 4,600.00	\$ 13,800.00	\$ 4,307.00	\$ 12,921.00	\$ 2,000.00	\$ 6,000.00
27	Install 8-inch Valve	EA	11	\$ 2,500.00	\$ 27,500.00	\$ 2,158.00	\$ 23,738.00	\$ 2,500.00	\$ 27,500.00
28	8-inch Insertion Valve on Existing Water Line with Deadman Restraint	EA	2	\$ 17,000.00	\$ 34,000.00	\$ 10,800.00	\$ 21,600.00	\$ 15,000.00	\$ 30,000.00
29	Install 10-inch Valve	EA	4	\$ 3,300.00	\$ 13,200.00	\$ 3,185.00	\$ 12,740.00	\$ 3,000.00	\$ 12,000.00
30	Fire Hydrant Assembly	EA	3	\$ 8,700.00	\$ 26,100.00	\$ 7,430.00	\$ 22,290.00	\$ 8,000.00	\$ 24,000.00
31	Blowoff Assembly	EA	2	\$ 2,700.00	\$ 5,400.00	\$ 2,530.00	\$ 5,060.00	\$ 3,000.00	\$ 6,000.00
<u>Cathodic Protection Items</u>									
32	9 lb Anodes for DIP Fittings and Valves	EA	47	\$ 480.00	\$ 22,560.00	\$ 603.00	\$ 28,341.00	\$ 600.00	\$ 28,200.00
33	17 lb Anodes for Fire Hydrants and Test Stations	EA	3	\$ 730.00	\$ 2,190.00	\$ 887.00	\$ 2,661.00	\$ 2,000.00	\$ 6,000.00
<u>Asphalt and Flatwork</u>									
34	Asphalt Removal	SY	2,211	\$ 12.00	\$ 26,532.00	\$ 28.00	\$ 61,908.00	\$ 12.00	\$ 26,532.00
35	Concrete Saw-Cutting	LF	348	\$ 8.00	\$ 2,784.00	\$ 3.00	\$ 1,044.00	\$ 3.00	\$ 1,044.00
36	Concrete Combination Curb/Gutter/Sidewalk Removal	LF	30	\$ 25.00	\$ 750.00	\$ 15.00	\$ 450.00	\$ 15.00	\$ 450.00
37	Concrete Drainage Pan Removal	LF	100	\$ 55.00	\$ 5,500.00	\$ 27.00	\$ 2,700.00	\$ 15.00	\$ 1,500.00
38	Concrete Curb and Gutter Removal	LF	40	\$ 18.00	\$ 720.00	\$ 12.00	\$ 480.00	\$ 10.00	\$ 400.00
39	Concrete Sidewalk Removal	SY	40	\$ 91.00	\$ 3,640.00	\$ 25.00	\$ 1,000.00	\$ 10.00	\$ 400.00
40	Temporary Drive Surface	SY	2,211	\$ 10.00	\$ 22,110.00	\$ 2.00	\$ 4,422.00	\$ 5.00	\$ 11,055.00
41	Combination Curb/Gutter/Sidewalk Replacement	LF	30	\$ 125.00	\$ 3,750.00	\$ 116.00	\$ 3,480.00	\$ 40.00	\$ 1,200.00
42	Drainage Cross Pan	LF	100	\$ 220.00	\$ 22,000.00	\$ 68.00	\$ 6,800.00	\$ 60.00	\$ 6,000.00
43	Concrete Curb and Gutter	LF	40	\$ 100.00	\$ 4,000.00	\$ 71.00	\$ 2,840.00	\$ 20.00	\$ 800.00
44	Concrete Sidewalk and Slope Paving	SY	60	\$ 200.00	\$ 12,000.00	\$ 96.00	\$ 5,760.00	\$ 40.00	\$ 2,400.00
45	2-inch Roadway Milling	SY	125	\$ 25.00	\$ 3,125.00	\$ 35.00	\$ 4,375.00	\$ 20.00	\$ 2,500.00
46	2-inch Asphalt Mill and Overlay	SY	645	\$ 35.00	\$ 22,575.00	\$ 27.00	\$ 17,415.00	\$ 30.00	\$ 19,350.00
47	Asphalt Placement	SYI	17,690	\$ 12.00	\$ 212,280.00	\$ 11.00	\$ 194,590.00	\$ 10.00	\$ 176,900.00
48	Pavement Marking Paint	SF	550	\$ 8.00	\$ 4,400.00	\$ 4.00	\$ 2,200.00	\$ 2.00	\$ 1,100.00
49	Thermoplastic Pavement Marking	SF	112	\$ 22.00	\$ 2,464.00	\$ 15.00	\$ 1,680.00	\$ 10.00	\$ 1,120.00
<u>Grading, Erosion and Sediment Control Items</u>									
50	Vehicle Tracking Pad	EA	1	\$ 2,800.00	\$ 2,800.00	\$ 5,659.00	\$ 5,659.00	\$ 2,000.00	\$ 2,000.00
51	Silt Fence	LF	60	\$ 8.00	\$ 480.00	\$ 2.50	\$ 150.00	\$ 2.00	\$ 120.00
52	Reseeding - Staging Area	Acre	7	\$ 2,900.00	\$ 20,300.00	\$ 1,031.00	\$ 7,217.00	\$ 1,500.00	\$ 10,500.00
53	Additional GESC BMP's	MO	4	\$ 5,300.00	\$ 21,200.00	\$ 1,286.00	\$ 5,144.00	\$ 10,000.00	\$ 40,000.00

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<u>Miscellaneous Items</u>									
54	3-Strand Wire Gate	LF	120	\$ 10.00	\$ 1,200.00	\$ 7.00	\$ 840.00	\$ 5.00	\$ 600.00
55	Remove 3-Strand Wire Gate & Install 3-Strand Barbed Wire Fence	LF	60	\$ 8.00	\$ 480.00	\$ 11.00	\$ 660.00	\$ 5.00	\$ 300.00
56	Install grass sod	SF	45	\$ 10.00	\$ 450.00	\$ 10.00	\$ 450.00	\$ 5.00	\$ 225.00
57	Salvage Existing Fire Hydrants and Valves	EA	4	\$ 700.00	\$ 2,800.00	\$ 486.00	\$ 1,944.00	\$ 500.00	\$ 2,000.00
<u>Provisional Items</u>									
58	Construction Fence - Provisional Item	LF	100	\$ 5.00	\$ 500.00	\$ 8.00	\$ 800.00	\$ 2.00	\$ 200.00
59	Handicap Ramp - Provisional Item	EA	1	\$ 3,500.00	\$ 3,500.00	\$ 1,969.00	\$ 1,969.00	\$ 2,500.00	\$ 2,500.00
60	Mid-Block Handicap Ramp - Provisional Item	EA	1	\$ 2,800.00	\$ 2,800.00	\$ 1,969.00	\$ 1,969.00	\$ 2,000.00	\$ 2,000.00
61	Export Unsuitable Material - Provisional Item	CY	120	\$ 18.00	\$ 2,160.00	\$ 53.00	\$ 6,360.00	\$ 40.00	\$ 4,800.00
62	Rock Excavation - Provisional Item	CY	50	\$ 50.00	\$ 2,500.00	\$ 78.00	\$ 3,900.00	\$ 20.00	\$ 1,000.00
63	Trench Stabilization Rock - Provisional Item	CY	50	\$ 70.00	\$ 3,500.00	\$ 70.00	\$ 3,500.00	\$ 50.00	\$ 2,500.00
64	3-inch Temporary Water Pipe - Provisional Item	LF	300	\$ 18.00	\$ 5,400.00	\$ 7.00	\$ 2,100.00	\$ 10.00	\$ 3,000.00
65	3-inch Temporary Water Fittings - Provisional Item	EA	20	\$ 150.00	\$ 3,000.00	\$ 55.00	\$ 1,100.00	\$ 20.00	\$ 400.00
66	3/4-inch Temporary Water Pipe - Provisional Item	LF	200	\$ 8.00	\$ 1,600.00	\$ 3.00	\$ 600.00	\$ 2.00	\$ 400.00
67	3/4-inch Temporary Water Fittings - Provisional Item	EA	100	\$ 100.00	\$ 10,000.00	\$ 178.00	\$ 17,800.00	\$ 5.00	\$ 500.00
BASE BID TOTAL					\$ 1,378,000.00		\$ 1,406,564.00		\$ 1,127,616.00

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BID ALTERNATE A - Westside Street Water Line Replacement (Segment 5)									
<u>General</u>									
101	Performance and Payment Bonds	LS	1	\$ 17,697.00	\$ 17,697.00	\$ 3,880.00	\$ 3,880.00	\$ 2,000.00	\$ 2,000.00
102	Insurance	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 12,241.00	\$ 12,241.00	\$ 2,000.00	\$ 2,000.00
103	Submittals	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 100.00	\$ 100.00	\$ 1,500.00	\$ 1,500.00
104	Grading, Erosion and Sediment Control Permit	LS	1	\$ 3,500.00	\$ 3,500.00	\$ 100.00	\$ 100.00	\$ 500.00	\$ 500.00
105	Right-of-Way Permit	LS	1	\$ 3,500.00	\$ 3,500.00	\$ 24,600.00	\$ 24,600.00	\$ 25,000.00	\$ 25,000.00
106	Other Permits	LS	1	\$ 3,500.00	\$ 3,500.00	\$ 953.00	\$ 953.00	\$ 1,000.00	\$ 1,000.00
107	Traffic Control	LF	611	\$ 39.00	\$ 23,829.00	\$ 61.00	\$ 37,271.00	\$ 18.00	\$ 10,998.00
108	Construction Survey	LF	611	\$ 5.00	\$ 3,055.00	\$ 1.00	\$ 611.00	\$ 4.00	\$ 2,444.00
109	As-Built Survey	LF	611	\$ 5.00	\$ 3,055.00	\$ 4.00	\$ 2,444.00	\$ 2.00	\$ 1,222.00
<u>Temporary Water System Items</u>									
110	3-inch Temporary Water System Piping (Owner supplied materials)	EA	16	\$ 1,400.00	\$ 22,400.00	\$ 524.00	\$ 8,384.00	\$ 700.00	\$ 11,200.00
111	Temporary Water System Type B Service Connection (Owner supplied materials)	EA	16	\$ 2,800.00	\$ 44,800.00	\$ 880.00	\$ 14,080.00	\$ 800.00	\$ 12,800.00
<u>Water Line Replacement Items</u>									
112	8-inch DIP Waterline Removal	LF	611	\$ 15.00	\$ 9,165.00	\$ 16.00	\$ 9,776.00	\$ 20.00	\$ 12,220.00
113	8-inch PVC Waterline, 0 to 8 Feet Deep	LF	611	\$ 92.00	\$ 56,212.00	\$ 119.00	\$ 72,709.00	\$ 90.00	\$ 54,990.00
114	Water Trench Over-Excavation	LF	611	\$ 25.00	\$ 15,275.00	\$ 14.00	\$ 8,554.00	\$ 15.00	\$ 9,165.00
115	Water Service Re-Connection	EA	16	\$ 1,500.00	\$ 24,000.00	\$ 1,731.00	\$ 27,696.00	\$ 700.00	\$ 11,200.00
116	8-inch DIP Bends and Solid Sleeves	EA	7	\$ 740.00	\$ 5,180.00	\$ 544.00	\$ 3,808.00	\$ 900.00	\$ 6,300.00
117	Install 8-inch Valve	EA	2	\$ 2,500.00	\$ 5,000.00	\$ 2,158.00	\$ 4,316.00	\$ 2,500.00	\$ 5,000.00
118	8-inch Insertion Valve on Existing Water Line with Deadman Restraint	EA	1	\$ 17,000.00	\$ 17,000.00	\$ 10,780.00	\$ 10,780.00	\$ 15,000.00	\$ 15,000.00
119	8-inch Water Connection Detail E	EA	1	\$ 5,400.00	\$ 5,400.00	\$ 7,850.00	\$ 7,850.00	\$ 5,000.00	\$ 5,000.00
120	8-inch Water Connection to Existing PVC Pipe/Solid sleeve	EA	1	\$ 4,800.00	\$ 4,800.00	\$ 4,307.00	\$ 4,307.00	\$ 2,000.00	\$ 2,000.00
121	Fire Hydrant Assembly	EA	2	\$ 8,600.00	\$ 17,200.00	\$ 7,430.00	\$ 14,860.00	\$ 8,000.00	\$ 16,000.00
<u>Cathodic Protection Items</u>									
122	9 lb Anodes for DIP Fittings and Valves	EA	13	\$ 480.00	\$ 6,240.00	\$ 603.00	\$ 7,839.00	\$ 600.00	\$ 7,800.00
123	17 lb Anodes for Fire Hydrants and Test Stations	EA	2	\$ 780.00	\$ 1,560.00	\$ 887.00	\$ 1,774.00	\$ 2,000.00	\$ 4,000.00

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<u>Asphalt and Flatwork</u>									
124	Asphalt Removal	SY	540	\$ 13.00	\$ 7,020.00	\$ 28.00	\$ 15,120.00	\$ 10.00	\$ 5,400.00
125	Concrete Saw-Cutting	LF	124	\$ 8.00	\$ 992.00	\$ 3.00	\$ 372.00	\$ 3.00	\$ 372.00
126	Concrete Combination Curb/Gutter/Sidewalk Removal	LF	20	\$ 25.00	\$ 500.00	\$ 15.00	\$ 300.00	\$ 15.00	\$ 300.00
127	Concrete Drainage Pan Removal	LF	20	\$ 55.00	\$ 1,100.00	\$ 30.00	\$ 600.00	\$ 15.00	\$ 300.00
128	Temporary Drive Surface	SY	540	\$ 10.00	\$ 5,400.00	\$ 2.00	\$ 1,080.00	\$ 5.00	\$ 2,700.00
129	Combination Curb/Gutter/Sidewalk Replacement	LF	20	\$ 125.00	\$ 2,500.00	\$ 117.00	\$ 2,340.00	\$ 40.00	\$ 800.00
130	Drainage Cross Pan	LF	20	\$ 220.00	\$ 4,400.00	\$ 69.00	\$ 1,380.00	\$ 60.00	\$ 1,200.00
131	2-inch Roadway Milling	SY	30	\$ 32.00	\$ 960.00	\$ 36.00	\$ 1,080.00	\$ 15.00	\$ 450.00
132	Asphalt Placement	SYI	4,320	\$ 12.00	\$ 51,840.00	\$ 11.00	\$ 47,520.00	\$ 10.00	\$ 43,200.00
<u>Grading, Erosion and Sediment Control Items</u>									
133	Additional GESC BMP's	LS	1	\$ 5,100.00	\$ 5,100.00	\$ 860.00	\$ 860.00	\$ 10,000.00	\$ 10,000.00
<u>Miscellaneous Items</u>									
134	Install grass sod	SF	30	\$ 10.00	\$ 300.00	\$ 10.00	\$ 300.00	\$ 5.00	\$ 150.00
<u>Provisional Items</u>									
135	Construction Fence - Provisional Item	LF	100	\$ 5.00	\$ 500.00	\$ 8.00	\$ 800.00	\$ 2.00	\$ 200.00
136	Handicap Ramp - Provisional Item	EA	1	\$ 3,500.00	\$ 3,500.00	\$ 1,970.00	\$ 1,970.00	\$ 2,500.00	\$ 2,500.00
137	Mid-Block Handicap Ramp - Provisional Item	EA	1	\$ 2,800.00	\$ 2,800.00	\$ 1,970.00	\$ 1,970.00	\$ 2,000.00	\$ 2,000.00
138	Export Unsuitable Material - Provisional Item	CY	40	\$ 18.00	\$ 720.00	\$ 53.00	\$ 2,120.00	\$ 40.00	\$ 1,600.00
139	Rock Excavation - Provisional Item	CY	25	\$ 50.00	\$ 1,250.00	\$ 79.00	\$ 1,975.00	\$ 20.00	\$ 500.00
140	Trench Stabilization Rock - Provisional Item	CY	25	\$ 70.00	\$ 1,750.00	\$ 70.00	\$ 1,750.00	\$ 60.00	\$ 1,500.00
BID ALTERNATE A TOTAL					\$ 397,000.00		\$ 360,470.00		\$ 292,511.00
TOTAL BID (Base Bid plus Bid Alternate A)					\$ 1,775,000.00		\$ 1,767,034.00		\$ 1,420,127.00

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