


AFFIDAVIT OF ESTIMATE OF COST

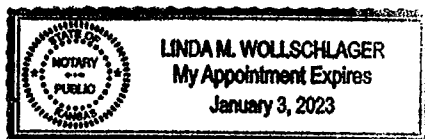
STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

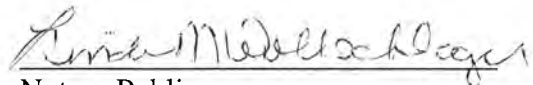
Elizabeth Wright, P.E., of lawful age, being first duly sworn upon her oath,
states:

1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for the Cedar Street Improvements Project, P.N. 3-R-001-20 and Cedar Street Sanitary Sewer Rehabilitation Project, P.N. 1-R-001-19 is attached and I am providing the estimate of the cost under oath (Exhibit A).


Elizabeth Wright


Subscribed in my presence and sworn under oath before me this 4th
day of March, 2020.




Notary Public

My Appointment Expires
January 3, 2023

Engineers Estimate						
Cedar Street Improvements						
City of Olathe, Kansas						
P.N. 3-R-001-20 Cedar Street Improvements Project						
P.N. 1-R-001-19 Cedar Street Sanitary Sewer Rehabilitation Project						
Affinis Project No. 19-0650.02					Rev. Date	3/4/2020
Bid						
Item No.	Item Description	Unit	Approx. Quantity	Unit Price	Total	
P.N. 3-R-001-20 Cedar Street Improvements Project						
1	Mobilization	LS	1	\$ 80,000.00	\$ 80,000.00	
2	Tree & Shrub Removal	LS	1	\$ 8,000.00	\$ 8,000.00	
3	Remove Existing Pavement	S.Y	9,324	\$ 5.00	\$ 46,620.00	
4	Remove Existing Curb	LF	6,935	\$ 10.00	\$ 69,350.00	
5	Remove Existing Driveway	S.Y	1,916	\$ 10.00	\$ 19,160.00	
6	Remove Existing Sidewalk	SY	1,320	\$ 7.00	\$ 9,240.00	
7	Linear Grading	LF	3,454	\$ 50.00	\$ 172,700.00	
8	Asphaltic Concrete Surface (2") (BM-2FR)	Tons	1,143	\$ 75.00	\$ 85,725.00	
9	Asphaltic Concrete Base (6")(BM-2BFR)	Tons	3,429	\$ 75.00	\$ 257,175.00	
10	Aggregate Base Course (6")(AB-3 Modified)	SY	11,377	\$ 8.00	\$ 91,016.00	
11	Temporary Surfacing Aggregate (2")(AB-3 Modified)	SY	13,293	\$ 3.00	\$ 39,879.00	
12	Full Width Milling (2")	SY	123	\$20.00	\$ 2,460.00	
13	Geogrid (EST)	S.Y	1,000	\$4.00	\$ 4,000.00	
14	Subgrade Repair (EST)	SY	500	\$26.00	\$ 13,000.00	
15	Concrete Curb & Gutter (Types A, B and C)	LF	6,935	\$ 20.00	\$ 138,700.00	
16	Concrete Sidewalk Curb	LF	45	\$ 10.00	\$ 450.00	
17	Concrete Sidewalk (4")	SY	1,745	\$ 40.00	\$ 69,800.00	
18	Concrete Sidewalk (6")(Reinforced) (EST)	SY	211	\$ 60.00	\$ 12,660.00	
19	Sidewalk Ramp (Type 1)	EA	10	\$ 1,250.00	\$ 12,500.00	
20	Sidewalk Ramp (Type 2)	EA	5	\$ 1,600.00	\$ 8,000.00	
21	Concrete Drive (6")(Residential)	SY	1,698	\$ 60.00	\$ 101,880.00	
22	Concrete Drive (7")(Commercial)	SY	218	\$ 75.00	\$ 16,350.00	
23	Storm Sewer (18")(RCP)	LF	915	\$ 130.00	\$ 118,950.00	
24	Storm Sewer (24")(RCP)	LF	553	\$ 150.00	\$ 82,950.00	
25	Storm Sewer (23"x14")(RCPE)	LF	106	\$ 180.00	\$ 19,080.00	
26	Storm Sewer (38"x24")(RCPE)	LF	337	\$ 250.00	\$ 84,250.00	
27	Storm Sewer (45"x29")(RCPE)	LF	206	\$ 300.00	\$ 61,800.00	
28	Storm Sewer (24")(CMP)(Temporary)	LF	33	\$ 100.00	\$ 3,300.00	
29	Pipe Underdrain (6") (PVC)(EST)	LF	300	\$ 30.00	\$ 9,000.00	
30	Curb Inlet (6'x4')(Setback)	EA	11	\$ 6,000.00	\$ 66,000.00	
31	Curb Inlet (6'x4')(Non-Setback)	EA	3	\$ 6,000.00	\$ 18,000.00	
32	Curb Inlet (6'x6')(Setback)	EA	1	\$ 7,000.00	\$ 7,000.00	
33	Curb Inlet (6'x6')(Non-Setback)	EA	5	\$ 7,000.00	\$ 35,000.00	
34	Area Inlet (4'x5')	EA	1	\$ 6,500.00	\$ 6,500.00	
35	Pipe Connection to Existing Structure	EA	2	\$ 1,500.00	\$ 3,000.00	
36	Drain Tile Connection (EST)	LF	300	\$ 30.00	\$ 9,000.00	
37	Fire Hydrant Assembly	EA	2	\$ 5,000.00	\$ 10,000.00	
38	Gate Valve (6")	EA	4	\$ 3,000.00	\$ 12,000.00	
39	Water Main Relocation (6")	LF	1,332	\$ 200.00	\$ 266,400.00	
40	Adjust Existing Water Valve (EST)	EA	25	\$ 300.00	\$ 7,500.00	
41	Relocate/Replace Existing Water Meter	EA	31	\$ 1,200.00	\$ 37,200.00	
42	Water Service Line Reconnection	EA	31	\$ 1,000.00	\$ 31,000.00	
43	Street Lighting Installation	LS	1	\$ 125,000.00	\$ 125,000.00	
44	Permanent Traffic Control Signs (MEP)	SF	98.0	\$ 25.00	\$ 2,450.00	
45	2"x2" Sign Posts	LF	241.0	\$ 10.00	\$ 2,410.00	
46	2-1/4"x2-1/4" Sign Post Anchors	EA	75	\$ 10.00	\$ 750.00	
47	Traffic Control	LS	1	\$ 15,000.00	\$ 15,000.00	
48	Fence (All Types)(EST)	LF	200	\$ 50.00	\$ 10,000.00	
49	Tree Replacement (EST)	EA	10	\$ 600.00	\$ 6,000.00	
50	Shrub Replacement (EST)	EA	20	\$ 80.00	\$ 1,600.00	
51	Lawn Sprinkler System (EST)	EA	2	\$ 1,200.00	\$ 2,400.00	
52	Temporary Inlet Protection	EA	22	\$ 100.00	\$ 2,200.00	
53	Temporary Slope Barrier (Silt Fence)(EST)	LF	567	\$ 1.50	\$ 850.50	
54	Temporary Slope Barrier (Straw Wattle)	LF	5,671	\$ 3.00	\$ 17,013.00	
55	Sodding (EST)	SY	10,000	\$ 7.00	\$ 70,000.00	
56	Contractor Construction Staking	LS	1	\$ 10.00	\$ 10.00	
SUBTOTAL - PN 3-R-001-20 CEDAR STREET IMPROVEMENTS					\$ 2,402,278.50	

Engineers Estimate					
Cedar Street Improvements					
City of Olathe, Kansas					
P.N. 3-R-001-20 Cedar Street Improvements Project					
P.N. 1-R-001-19 Cedar Street Sanitary Sewer Rehabilitation Project					
Affinis Project No. 19-0650.02				Rev. Date	3/4/2020
Bid Item No.	Item Description	Unit	Approx. Quantity	Unit Price	Total
P.N. 1-R-001-19 Cedar Street Sanitary Sewer Rehabilitation Project					
101	Removal of Existing Structures	LS	1	\$ 70,000.00	\$ 70,000.00
102	Full Depth Street Patch (EST)	SY	140	\$70.00	\$ 9,800.00
103	Concrete Flume (EST)	LF	17	\$ 100.00	\$ 1,700.00
104	4' Dia. Standard Manhole, 0'-6' Deep	EA	11	\$ 5,000.00	\$ 55,000.00
105	5' Dia. Standard Manhole, 0'-6' Deep	EA	1	\$ 6,500.00	\$ 6,500.00
106	4' Dia. Drop Manhole, 0'-6' Deep	EA	3	\$ 6,500.00	\$ 19,500.00
107	5' Dia. Drop Manhole, 0'-6' Deep	EA	1	\$ 8,000.00	\$ 8,000.00
108	4' Dia. Standard Manhole Extra Depth	LF	51	\$ 200.00	\$ 10,200.00
109	5' Dia. Standard Manhole Extra Depth	LF	20	\$ 250.00	\$ 5,000.00
110	Flowable Fill (for abandoning sewers) (EST)	CY	8	\$ 160.00	\$ 1,280.00
111	Sanitary Sewer Lateral (6")(PVC)(EST)	LF	1,349	\$ 120.00	\$ 161,880.00
112	Sanitary Sewer Pipe (8")(PVC)(SDR-26)	LF	3,328	\$ 160.00	\$ 532,480.00
113	Sanitary Sewer Pipe (12")(PVC)(SDR-26)	LF	229	\$ 250.00	\$ 57,250.00
114	Sanitary Sewer Pipe (24")(PVC)(SDR-26)	LF	52	\$ 400.00	\$ 20,800.00
115	Sanitary Sewer Pipe (30")(PVC)(SDR-26)	LF	55	\$ 450.00	\$ 24,750.00
116	Casing Pipe (16")(Steel)(Bored)	LF	62	\$ 600.00	\$ 37,200.00
117	Concrete Encasement (Sanitary)(est.)	LF	311	\$ 130.00	\$ 40,430.00
118	PVC/VCP Coupler w/Shear Guard	EA	11	\$ 500.00	\$ 5,500.00
119	Sanitary Sewer Service Reconnections	EA	66	\$ 700.00	\$ 46,200.00
120	By-pass Pumping	LS	1	\$ 20,000.00	\$ 20,000.00
SUBTOTAL - PN 1-R-001-19 CEDAR STREET SANITARY SEWER REHABILITATION IMPROVEMENTS					\$ 1,133,470.00
TOTAL BID - PN 3-R-001-20 AND PN 1-R-001-19					\$ 3,535,748.50


 KRISTEN E. LEATHERS
 LICENSED
 14303
 KANSAS
 PROFESSIONAL ENGINEER
Kristen Leathers
 3/4/2020