



Driving Community and Industry Forward, Together.

Project: Topeka, KS - Polk-Quincy City-Owned Utility Relocation Project 5
 Date: November 15, 2023
 Project No.: 701048.00, 701048.01, and 701048.50 (City of Topeka), 21067.001 & 19841.111 (B&W)

Polk-Quincy City-Owned Utility Coordination Project 5

Item	Description	Quantity	Unit	Engineer's Estimate		Bettis Asphalt and Construction Inc.		Emcon, Inc.	
				UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
GENERAL QUANTITIES									
1	MOBILIZATION	1	LS	\$ 150,000.00	\$ 150,000.00	\$ 172,000.00	\$ 172,000.00	\$ 106,000.00	\$ 106,000.00
2	SILT FENCE	1,603	LF	\$ 10.00	\$ 16,030.00	\$ 4.00	\$ 6,412.00	\$ 17.00	\$ 27,251.00
3	INLET PROTECTION (CURB)	38	EA	\$ 200.00	\$ 7,600.00	\$ 125.00	\$ 4,750.00	\$ 352.00	\$ 13,376.00
4	INLET PROTECTION (AREA)	5	EA	\$ 350.00	\$ 1,750.00	\$ 150.00	\$ 750.00	\$ 352.00	\$ 1,760.00
5	PROJECT SIGN TYPE A	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 400.00	\$ 800.00	\$ 517.00	\$ 1,034.00
6	CLEARING AND GRUBBING	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 6,500.00	\$ 6,500.00	\$ 55,500.00	\$ 55,500.00
7	PAVEMENT REMOVAL	3,948	SY	\$ 25.00	\$ 98,700.00	\$ 26.00	\$ 102,648.00	\$ 23.50	\$ 92,778.00
	SANITARY	2,162	SY						
	WATER	1,786	SY						
8	8" AGGREGATE BASE -TYPE AB-3	4,253	SY	\$ 25.00	\$ 106,312.50	\$ 40.00	\$ 170,100.00	\$ 33.00	\$ 140,332.50
	SANITARY	2,388	SY						
	WATER	1,865	SY						
9	6" ASPHALTIC CONCRETE PAVEMENT	587	SY	\$ 170.00	\$ 99,790.00	\$ 86.00	\$ 50,482.00	\$ 72.50	\$ 42,557.50
	SANITARY	587	SY						
	WATER		SY						
10	8" ASPHALTIC CONCRETE PAVEMENT	148	SY	\$ 180.00	\$ 26,640.00	\$ 110.00	\$ 16,280.00	\$ 102.00	\$ 15,096.00
	SANITARY	148	SY						
	WATER		SY						
11	2" ASPHALT ON 7" CONCRETE PAVEMENT	362	SY	\$ 190.00	\$ 68,780.00	\$ 184.00	\$ 66,608.00	\$ 207.00	\$ 74,934.00
	SANITARY		SY						
	WATER	362	SY						
12	6" CONCRETE PAVEMENT	2,112	SY	\$ 180.00	\$ 380,160.00	\$ 160.00	\$ 337,920.00	\$ 90.50	\$ 191,136.00
	SANITARY	1,427	SY						
	WATER	685	SY						
13	8" REINFORCED CONCRETE PAVEMENT	139	SY	\$ 195.00	\$ 27,105.00	\$ 190.00	\$ 26,410.00	\$ 162.00	\$ 22,518.00
	SANITARY		SY						
	WATER	139	SY						
14	9" REINFORCED CONCRETE PAVEMENT	600	SY	\$ 205.00	\$ 123,000.00	\$ 235.00	\$ 141,000.00	\$ 151.00	\$ 90,600.00
	SANITARY		SY						
	WATER	600	SY						
15	REMOVE AND REPLACE 4" CONCRETE SIDEWALK	2,766	SF	\$ 18.00	\$ 49,788.00	\$ 19.00	\$ 52,554.00	\$ 18.50	\$ 51,171.00
	SANITARY	1,554	SF						
	WATER	1,212	SF						
16	REMOVE AND REPLACE 4" CONCRETE SIDEWALK RAMP	277	SF	\$ 50.00	\$ 13,850.00	\$ 50.00	\$ 13,850.00	\$ 55.50	\$ 15,373.50
	SANITARY		SF						
	WATER	277	SF						
17	REMOVE AND REPLACE CURB AND GUTTER	783	LF	\$ 80.00	\$ 62,640.00	\$ 100.00	\$ 78,300.00	\$ 61.00	\$ 47,763.00
	SANITARY	580	LF						
	WATER	203	LF						
18	4" SOLID WHITE LINE	612	LF	\$ 2.00	\$ 1,224.00	\$ 1.20	\$ 734.40	\$ 1.50	\$ 918.00
19	4" BROKEN WHITE LINE	182	LF	\$ 2.00	\$ 364.00	\$ 1.20	\$ 218.40	\$ 1.50	\$ 273.00
20	24" SOLID WHITE LINE	47	LF	\$ 20.00	\$ 940.00	\$ 20.00	\$ 940.00	\$ 26.00	\$ 1,222.00
21	4" SOLID DOUBLE YELLOW LINE	330	LF	\$ 2.00	\$ 660.00	\$ 2.50	\$ 825.00	\$ 3.00	\$ 990.00
GENERAL QUANTITIES SUBTOTAL					\$ 1,247,333.50		\$ 1,250,081.80		\$ 992,583.50

Item	Description	Quantity	Unit	Engineer's Estimate		Bettis Asphalt and Construction Inc.		Emcon, Inc.	
SANITARY QUANTITIES									
22	6" SANITARY SEWER (PVCP)	214	LF	\$ 275.00	\$ 58,850.00	\$ 155.00	\$ 33,170.00	\$ 191.00	\$ 40,874.00
	IMPROVEMENT 8	214	LF						
23	10" SANITARY SEWER (PVCP)	1,537	LF	\$ 350.00	\$ 537,950.00	\$ 225.00	\$ 345,825.00	\$ 223.00	\$ 342,751.00
	IMPROVEMENT 8	1,537	LF						
24	12" SANITARY SEWER (PVCP)	195	LF	\$ 375.00	\$ 73,125.00	\$ 345.00	\$ 67,275.00	\$ 266.00	\$ 51,870.00
	IMPROVEMENT 6	195	LF						
25	15" SANITARY SEWER (PVCP)	209	LF	\$ 425.00	\$ 88,825.00	\$ 370.00	\$ 77,330.00	\$ 362.00	\$ 75,658.00
	IMPROVEMENT 6	65	LF						
	IMPROVEMENT 7	144	LF						
26	36" SANITARY SEWER (PVCP)	380	LF	\$ 750.00	\$ 285,000.00	\$ 560.00	\$ 212,800.00	\$ 742.00	\$ 281,960.00
	IMPROVEMENT 5	380	LF						
27	SERVICE (WYE) CONNECTION, 6 INCH	1	EA	\$ 1,500.00	\$ 1,500.00	\$ 3,000.00	\$ 3,000.00	\$ 3,380.00	\$ 3,380.00
	IMPROVEMENT 8	1	EA						
28	4' MANHOLE - SANITARY	12	EA	\$ 35,000.00	\$ 420,000.00	\$ 13,250.00	\$ 159,000.00	\$ 11,300.00	\$ 135,600.00
	IMPROVEMENT 6	2	EA						
	IMPROVEMENT 7	2	EA						
	IMPROVEMENT 8	8	EA						
29	6' MANHOLE - SANITARY	4	EA	\$ 45,000.00	\$ 180,000.00	\$ 26,700.00	\$ 106,800.00	\$ 20,700.00	\$ 82,800.00
	IMPROVEMENT 5	4	EA						
30	ADDITIONAL DEPTH OF 4' DIA SANITARY SEWER MANHOLE	75	VF	\$ 800.00	\$ 60,000.00	\$ 400.00	\$ 30,000.00	\$ 866.00	\$ 64,950.00
	IMPROVEMENT 6	21	VF						
	IMPROVEMENT 7	9	VF						
	IMPROVEMENT 8	45	VF						
31	ADDITIONAL DEPTH OF 6' DIA SANITARY SEWER MANHOLE	19	VF	\$ 2,100.00	\$ 39,900.00	\$ 750.00	\$ 14,250.00	\$ 1,480.00	\$ 28,120.00
	IMPROVEMENT 5	19	VF						
32	ABANDON MANHOLE	1	EA	\$ 7,000.00	\$ 7,000.00	\$ 16,000.00	\$ 16,000.00	\$ 5,550.00	\$ 5,550.00
	IMPROVEMENT 5	1	EA						
33	ABANDON SANITARY SEWERS	138	CY	\$ 200.00	\$ 27,600.00	\$ 190.00	\$ 26,220.00	\$ 919.00	\$ 126,822.00
34	CIPP REHABILITATION 15"	315	LF	\$ 300.00	\$ 94,500.00	\$ 218.00	\$ 68,670.00	\$ 181.00	\$ 57,015.00
	IMPROVEMENT 6	315	LF						
35	BYPASS PUMPING	1	LS	\$ 600,000.00	\$ 600,000.00	\$ 186,000.00	\$ 186,000.00	\$ 108,500.00	\$ 108,500.00
36	TROLLEY TRACK REMOVAL	2	EA	\$ 10,000.00	\$ 20,000.00	\$ 3,500.00	\$ 7,000.00	\$ 13,700.00	\$ 27,400.00
	IMPROVEMENT 8	2	EA						
37	TRAFFIC CONTROL (SANITARY)	1	LS	\$ 175,000.00	\$ 175,000.00	\$ 35,000.00	\$ 35,000.00	\$ 11,000.00	\$ 11,000.00
38	CONTRACTOR CONSTRUCTION STAKING (SANITARY)	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 8,700.00	\$ 8,700.00	\$ 16,000.00	\$ 16,000.00
39	SANITARY SEWER CCTV INSPECTION	2,535	LF	\$ 12.00	\$ 30,420.00	\$ 8.00	\$ 20,280.00	\$ 4.00	\$ 10,140.00
SANITARY SUBTOTAL				\$ 2,719,670.00		\$ 1,417,320.00		\$ 1,470,390.00	

Item	Description	Quantity	Unit	Engineer's Estimate		Bettis Asphalt and Construction Inc.		Emcon, Inc.	
STORM QUANTITIES									
40	REMOVAL OF EXISTING STRUCTURES	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,990.00	\$ 5,990.00
41	CONTRACTOR CONSTRUCTION STAKING (STORM)	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 6,500.00	\$ 6,500.00	\$ 826.00	\$ 826.00
42	15" STORM SEWER	10	LF	\$ 120.00	\$ 1,200.00	\$ 450.00	\$ 4,500.00	\$ 345.00	\$ 3,450.00
43	24" STORM SEWER	20	LF	\$ 180.00	\$ 3,600.00	\$ 500.00	\$ 10,000.00	\$ 370.00	\$ 7,400.00
44	CURB INLET-MANHOLE (4' DIA.), TYPE II-P	1	EA	\$ 6,000.00	\$ 6,000.00	\$ 10,000.00	\$ 10,000.00	\$ 9,390.00	\$ 9,390.00
45	AREA INLET, TYPE II-P (TRAFFIC GRATE)	1	EA	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ 7,630.00	\$ 7,630.00
STORM SUBTOTAL				\$ 35,800.00		\$ 46,000.00		\$ 34,686.00	
WATER QUANTITIES									
46	12" PVC WATER LINE, PC 235	423	LF	\$ 200	\$ 84,600.00	\$ 140	\$ 59,220.00	\$ 183	\$ 77,409.00
47	12" RJ PVC WATER LINE, PC 235, BY HDD	858	LF	\$ 190	\$ 163,020.00	\$ 150	\$ 128,700.00	\$ 196	\$ 168,168.00
48	8" RJ PVC WATER LINE, PC 235	520	LF	\$ 175	\$ 91,000.00	\$ 110	\$ 57,200.00	\$ 144	\$ 74,880.00
49	8" RJ PVC WATER LINE, PC 235, BY HDD	1,084	LF	\$ 185	\$ 200,540.00	\$ 110	\$ 119,240.00	\$ 144	\$ 156,096.00
50	6" PVC WATER LINE, PC 235	43	LF	\$ 150	\$ 6,450.00	\$ 175	\$ 7,525.00	\$ 229	\$ 9,847.00
51	6" RJ PVC WATER LINE, PC 235	588	LF	\$ 160	\$ 94,080.00	\$ 80	\$ 47,040.00	\$ 105	\$ 61,740.00
52	6" RJ PVC FIRE LINE, PC 305	95	LF	\$ 165	\$ 15,675.00	\$ 150	\$ 14,250.00	\$ 196	\$ 18,620.00
53	12"X12" TEE	1	EA	\$ 3,100	\$ 3,100.00	\$ 4,000	\$ 4,000.00	\$ 5,230	\$ 5,230.00
54	12"X8" TEE	3	EA	\$ 2,800	\$ 8,400.00	\$ 3,000	\$ 9,000.00	\$ 3,920	\$ 11,760.00
55	12"X6" TEE	6	EA	\$ 2,700	\$ 16,200.00	\$ 2,500	\$ 15,000.00	\$ 3,270	\$ 19,620.00
56	12" 90 BEND	1	EA	\$ 2,500	\$ 2,500.00	\$ 3,500	\$ 3,500.00	\$ 4,580	\$ 4,580.00
57	12" 45 BEND	2	EA	\$ 2,400	\$ 4,800.00	\$ 3,300	\$ 6,600.00	\$ 4,320	\$ 8,640.00
58	12" 11-1/4 VERTICAL BEND (TOP)	1	EA	\$ 3,400	\$ 3,400.00	\$ 4,000	\$ 4,000.00	\$ 5,230	\$ 5,230.00
59	12" COUPLING	2	EA	\$ 1,600	\$ 3,200.00	\$ 3,000	\$ 6,000.00	\$ 3,920	\$ 7,840.00
60	12" RESTRAINED COUPLING	2	EA	\$ 1,800	\$ 3,600.00	\$ 3,000	\$ 6,000.00	\$ 3,920	\$ 7,840.00
61	12" LONG SLEEVE	1	EA	\$ 1,500	\$ 1,500.00	\$ 2,800	\$ 2,800.00	\$ 3,660	\$ 3,660.00
62	12"X8" REDUCER	2	EA	\$ 1,800	\$ 3,600.00	\$ 1,400	\$ 2,800.00	\$ 1,830	\$ 3,660.00
63	12" RESTRAINED CAP TAPPED FOR 2"	2	EA	\$ 1,200	\$ 2,400.00	\$ 1,600	\$ 3,200.00	\$ 2,090	\$ 4,180.00
64	12" PLUG	4	EA	\$ 1,500	\$ 6,000.00	\$ 3,500	\$ 14,000.00	\$ 4,580	\$ 18,320.00
65	12" SWIVELXSOLID ADAPTER	4	EA	\$ 1,300	\$ 5,200.00	\$ 2,800	\$ 11,200.00	\$ 3,660	\$ 14,640.00
66	10"X6" REDUCER	1	EA	\$ 1,500	\$ 1,500.00	\$ 1,600	\$ 1,600.00	\$ 2,090	\$ 2,090.00
67	10" RESTRAINED COUPLING	1	EA	\$ 1,400	\$ 1,400.00	\$ 3,000	\$ 3,000.00	\$ 3,920	\$ 3,920.00
68	10" LONG SLEEVE	1	EA	\$ 1,200	\$ 1,200.00	\$ 1,200	\$ 1,200.00	\$ 1,570	\$ 1,570.00
69	10" PLUG	1	EA	\$ 900	\$ 900.00	\$ 3,500	\$ 3,500.00	\$ 4,580	\$ 4,580.00
70	8"X8" TEE	4	EA	\$ 2,000	\$ 8,000.00	\$ 2,000	\$ 8,000.00	\$ 2,620	\$ 10,480.00
71	8"X6" TEE	5	EA	\$ 1,800	\$ 9,000.00	\$ 1,550	\$ 7,750.00	\$ 2,030	\$ 10,150.00
72	8" 90 BEND	8	EA	\$ 1,700	\$ 13,600.00	\$ 1,600	\$ 12,800.00	\$ 2,090	\$ 16,720.00
73	8" 45 BEND	4	EA	\$ 1,500	\$ 6,000.00	\$ 1,450	\$ 5,800.00	\$ 1,900	\$ 7,600.00
74	8" 22 1/2 BEND	2	EA	\$ 1,300	\$ 2,600.00	\$ 2,200	\$ 4,400.00	\$ 2,880	\$ 5,760.00
75	8" 11 1/4 BEND	1	EA	\$ 1,200	\$ 1,200.00	\$ 2,200	\$ 2,200.00	\$ 2,880	\$ 2,880.00
76	8" RESTRAINED COUPLING	1	EA	\$ 1,700	\$ 1,700.00	\$ 2,450	\$ 2,450.00	\$ 3,200	\$ 3,200.00
77	8" LONG SLEEVE	3	EA	\$ 900	\$ 2,700.00	\$ 1,200	\$ 3,600.00	\$ 1,570	\$ 4,710.00
78	8" PLUG	3	EA	\$ 900	\$ 2,700.00	\$ 3,500	\$ 10,500.00	\$ 4,580	\$ 13,740.00
79	8" SWIVELXSOLID ADAPTER	16	EA	\$ 800	\$ 12,800.00	\$ 1,350	\$ 21,600.00	\$ 1,770	\$ 28,320.00
80	6"X6" TEE	3	EA	\$ 1,300	\$ 3,900.00	\$ 1,550	\$ 4,650.00	\$ 2,030	\$ 6,090.00
81	6" 90 BEND	6	EA	\$ 1,200	\$ 7,200.00	\$ 1,200	\$ 7,200.00	\$ 1,570	\$ 9,420.00
82	6" 45 BEND	6	EA	\$ 600	\$ 3,600.00	\$ 1,200	\$ 7,200.00	\$ 1,570	\$ 9,420.00
83	6" 11 1/4 BEND	2	EA	\$ 500	\$ 1,000.00	\$ 2,000	\$ 4,000.00	\$ 2,620	\$ 5,240.00
84	6" 11 1/4 VERTICAL BEND (BOTTOM)	1	EA	\$ 500	\$ 500.00	\$ 3,000	\$ 3,000.00	\$ 3,920	\$ 3,920.00
85	6" COUPLING	3	EA	\$ 1,000	\$ 3,000.00	\$ 1,850	\$ 5,550.00	\$ 2,420	\$ 7,260.00

Item	Description	Quantity	Unit	Engineer's Estimate		Bettis Asphalt and Construction Inc.		Emcon, Inc.		
86	6" RESTRAINED COUPLING	4	EA	\$ 1,200	\$ 4,800.00	\$ 1,850	\$ 7,400.00	\$ 2,420	\$ 9,680.00	
87	6" LONG SLEEVE	1	EA	\$ 1,200	\$ 1,200.00	\$ 750	\$ 750.00	\$ 981	\$ 981.00	
88	6" RESTRAINED CAP TAPPED FOR 2"	2	EA	\$ 1,000	\$ 2,000.00	\$ 1,000	\$ 2,000.00	\$ 1,310	\$ 2,620.00	
89	6" PLUG	2	EA	\$ 800	\$ 1,600.00	\$ 3,500	\$ 7,000.00	\$ 4,580	\$ 9,160.00	
90	6" SWIVELXSOLID ADAPTER	19	EA	\$ 700	\$ 13,300.00	\$ 950	\$ 18,050.00	\$ 1,240	\$ 23,560.00	
91	12" THRUST COLLAR AND BLOCK ON EXISTING	4	EA	\$ 4,000	\$ 16,000.00	\$ 5,500	\$ 22,000.00	\$ 7,190	\$ 28,760.00	
92	10" THRUST COLLAR AND BLOCK ON EXISTING	1	EA	\$ 3,500	\$ 3,500.00	\$ 3,500	\$ 3,500.00	\$ 4,580	\$ 4,580.00	
93	8" THRUST COLLAR AND BLOCK ON EXISTING	1	EA	\$ 3,000	\$ 3,000.00	\$ 3,000	\$ 3,000.00	\$ 3,920	\$ 3,920.00	
94	6" THRUST COLLAR AND BLOCK ON EXISTING	6	EA	\$ 2,500	\$ 15,000.00	\$ 3,000	\$ 18,000.00	\$ 3,920	\$ 23,520.00	
95	MAKE CONNECTION TO 12" CI; 2ND & HARRISON	1	LS	\$ 3,600	\$ 3,600.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
96	MAKE CONNECTION TO 6" CI; 2ND & VAN BUREN	1	LS	\$ 1,800	\$ 1,800.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
97	MAKE CONNECTION TO 8" DI; 2ND & JACKSON	1	LS	\$ 2,400	\$ 2,400.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
98	MAKE CONNECTION TO 12" CI; 1ST & KANSAS (WEST)	1	LS	\$ 3,600	\$ 3,600.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
99	MAKE CONNECTION TO 8" CI FIRE; 100/108 KANSAS	1	LS	\$ 2,400	\$ 2,400.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
100	MAKE CONNECTION TO 6" PVC FIRE; 200 KANSAS	1	LS	\$ 1,800	\$ 1,800.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
101	MAKE CONNECTION TO 6" CI FIRE; 235 KANSAS	1	LS	\$ 1,800	\$ 1,800.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
102	MAKE CONNECTION TO 10" CI; 3RD & KANSAS	1	LS	\$ 3,000	\$ 3,000.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
103	MAKE CONNECTION TO 6" CI FIRE; 1ST & KANSAS (NORTH)	1	LS	\$ 1,800	\$ 1,800.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
104	MAKE CONNECTION TO 12" CI; 1ST & KANSAS (NORTH)	1	LS	\$ 3,600	\$ 3,600.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
105	MAKE CONNECTION TO 6" CI; 2ND & QUINCY (NORTH)	1	LS	\$ 1,800	\$ 1,800.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
106	MAKE CONNECTION TO 6" CI; 2ND & QUINCY (EAST)	1	LS	\$ 1,800	\$ 1,800.00	\$ 6,000	\$ 6,000.00	\$ 7,850	\$ 7,850.00	
107	2" SERVICE LINE	265	LF	\$ 60	\$ 15,900.00	\$ 50	\$ 13,250.00	\$ 66	\$ 17,357.50	
108	1-1/2" SERVICE LINE	185	LF	\$ 55	\$ 10,175.00	\$ 50	\$ 9,250.00	\$ 66	\$ 12,117.50	
109	1" SERVICE LINE	180	LF	\$ 50	\$ 9,000.00	\$ 35	\$ 6,300.00	\$ 46	\$ 8,280.00	
110	TROLLEY TRACK REMOVAL	8	EA	\$ 3,500	\$ 28,000.00	\$ 500	\$ 4,000.00	\$ 654	\$ 5,232.00	
111	CONTRACTOR CONSTRUCTION STAKING (WATER)	1	LS	\$ 15,000	\$ 15,000.00	\$ 9,600	\$ 9,600.00	\$ 15,900	\$ 15,900.00	
112	TRAFFIC CONTROL (WATER)	1	LS	\$ 150,000	\$ 150,000.00	\$ 105,000	\$ 105,000.00	\$ 111,000	\$ 111,000.00	
113	FLOWABLE FILL, FILL ABANDONED PIPE 12" AND LARGER	143	CY	\$ 200	\$ 28,600.00	\$ 120	\$ 17,160.00	\$ 157	\$ 22,451.00	
114	INSTALL 18"X8" TAPPING SLEEVE	1	EA	\$ 3,500	\$ 3,500.00	\$ 3,000	\$ 3,000.00	\$ 3,920	\$ 3,920.00	
115	INSTALL 10" RESTRAINED COUPLING	NOT USED	EA							
116	INSTALL 6" COUPLING	NOT USED	EA							
117	INSTALL 12" MJ BUTTERFLY VALVE AND BOX	4	EA	\$ 1,600	\$ 6,400.00	\$ 2,000	\$ 8,000.00	\$ 2,620	\$ 10,480.00	
118	INSTALL 8" MJ GATE VALVE AND BOX	11	EA	\$ 1,000	\$ 11,000.00	\$ 1,800	\$ 19,800.00	\$ 2,350	\$ 25,850.00	
119	INSTALL 6" MJ GATE VALVE AND BOX	14	EA	\$ 800	\$ 11,200.00	\$ 1,200	\$ 16,800.00	\$ 1,570	\$ 21,980.00	
120	INSTALL FIRE HYDRANT	8	EA	\$ 2,500	\$ 20,000.00	\$ 5,000	\$ 40,000.00	\$ 6,540	\$ 52,320.00	
121	INSTALL FIRE HYDRANT ADDITIONAL BURY DEPTH	20	V.F.	\$ 400	\$ 8,000.00	\$ 750	\$ 15,000.00	\$ 981	\$ 19,620.00	
122	INSTALL METER, METER PIT, AND TOP	10	EA	\$ 800	\$ 8,000.00	\$ 1,500	\$ 15,000.00	\$ 1,960	\$ 19,600.00	
123	INSTALL 24"X2" TAPPING SADDLE AND 2" CORP STOP	1	EA	\$ 1,800	\$ 1,800.00	\$ 2,000	\$ 2,000.00	\$ 2,620	\$ 2,620.00	
124	INSTALL 18"X1" TAPPING SADDLE AND 1" CORP STOP	1	EA	\$ 1,500	\$ 1,500.00	\$ 1,600	\$ 1,600.00	\$ 2,090	\$ 2,090.00	
125	INSTALL 12"X2" TAPPING SADDLE AND 2" CORP STOP	2	EA	\$ 1,300	\$ 2,600.00	\$ 1,200	\$ 2,400.00	\$ 1,570	\$ 3,140.00	
126	INSTALL 12"X1-1/2" TAPPING SADDLE AND 1-1/2" CORP STOP	4	EA	\$ 1,300	\$ 5,200.00	\$ 1,200	\$ 4,800.00	\$ 1,570	\$ 6,280.00	
127	INSTALL 12"X1" TAPPING SADDLE AND 1" CORP STOP	2	EA	\$ 1,300	\$ 2,600.00	\$ 1,200	\$ 2,400.00	\$ 1,570	\$ 3,140.00	
128	INSTALL 8"X2" TAPPING SADDLE AND 2" CORP STOP	1	EA	\$ 1,000	\$ 1,000.00	\$ 1,200	\$ 1,200.00	\$ 1,570	\$ 1,570.00	
129	INSTALL 8"X1" TAPPING SADDLE AND 1" CORP STOP	3	EA	\$ 1,000	\$ 3,000.00	\$ 900	\$ 2,700.00	\$ 1,180	\$ 3,540.00	
130	INSTALL 6"X1" TAPPING SADDLE AND 1" CORP STOP	1	EA	\$ 1,000	\$ 1,000.00	\$ 600	\$ 600.00	\$ 785	\$ 785.00	
WATER SUBTOTAL				\$ 1,237,040.00		\$ 1,094,835.00		\$ 1,409,284.00		
Overall										
OVERALL TOTAL				\$ 5,239,843.50		\$ 3,808,236.80		\$ 3,906,943.50		