

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2
CATRON BOULEVARD RECONSTRUCTION UTILITY RELOCATION AND MODIFICATION
PROJECT NO. SSW09-1819 / CIP NO. 50495
JUNE 10, 2011
ORIGINAL CONTRACT AMOUNT: \$1,261,576.45
CONTRACTOR: UPPER PLAINS CONTRACTING, INC.


LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	Mobilization	Lump Sum	1.00	\$34,967.41	\$34,967.41	1.00	\$34,967.41	\$0.00
2	Construction Staking	Lump Sum	1.00	\$12,566.41	\$12,566.41	1.00	\$12,566.41	\$0.00
3	Reestablish Property Corner	Each	4.00	\$109.27	\$437.08	4.00	\$437.08	\$0.00
4	Remove Manhole	Each	5.00	\$546.37	\$2,731.85	5.00	\$2,731.85	\$0.00
5	Remove Fire Hydrant	Each	4.00	\$437.09	\$1,748.36	4.00	\$1,748.36	\$0.00
6	Remove Valve Box	Each	6.00	\$109.27	\$655.62	6.00	\$655.62	\$0.00
7	Placing Topsoil	CuYd	175.00	\$5.46	\$955.50	175.00	\$955.50	\$0.00
8	Incidental Work	Lump Sum	1.00	\$38,791.97	\$38,791.97	1.00	\$38,791.97	\$0.00
9	24" RC Encasement Pipe	Ft	156.00	\$95.07	\$14,830.92	156.00	\$14,830.92	\$0.00
10	18" Steel Encasement Pipe	Ft	22.00	\$196.69	\$4,327.18	22.00	\$4,327.18	\$0.00
11	Pipe Encasement	Each	4.00	\$819.55	\$3,278.20	4.00	\$3,278.20	\$0.00
12	6" PVC Water Main	Ft	190.00	\$12.02	\$2,283.80	190.00	\$2,283.80	\$0.00
13	8" PVC Water Main	Ft	46.00	\$17.21	\$791.66	46.00	\$791.66	\$0.00
14	12" PVC Water Main	Ft	688.00	\$22.95	\$15,789.60	688.00	\$15,789.60	\$0.00
15	16" PVC Water Main	Ft	40.00	\$39.34	\$1,573.60	40.00	\$1,573.60	\$0.00
16	8" PVC Restrained Joint Water Main	Ft	114.00	\$19.40	\$2,211.60	114.00	\$2,211.60	\$0.00
17	12" PVC Restrained Joint Water Main	Ft	1,410.00	\$35.51	\$50,069.10	1,410.00	\$50,069.10	\$0.00
18	8" PVC Restrained Joint Sewer Main	Ft	700.00	\$22.40	\$15,680.00	700.00	\$15,680.00	\$0.00
19	10" PVC Restrained Joint Sewer Main	Ft	17.00	\$27.86	\$473.62	17.00	\$473.62	\$0.00
20	8" PVC Sewer Pipe	Ft	120.00	\$14.75	\$1,770.00	120.00	\$1,770.00	\$0.00
21	15" PVC Sewer Pipe	Ft	2,650.00	\$28.14	\$74,571.00	2,650.00	\$74,571.00	\$0.00
22	6"x6" Pipe Tee	Each	1.00	\$437.09	\$437.09	1.00	\$437.09	\$0.00
23	8"x6" Pipe Tee	Each	1.00	\$502.66	\$502.66	1.00	\$502.66	\$0.00
24	12"x6" Pipe Tee	Each	4.00	\$677.49	\$2,709.96	4.00	\$2,709.96	\$0.00
25	12"x8" Pipe Tee	Each	2.00	\$792.23	\$1,584.46	2.00	\$1,584.46	\$0.00
26	12"x12" Pipe Tee	Each	1.00	\$917.89	\$917.89	1.00	\$917.89	\$0.00
27	16"x6" Pipe Tee	Each	1.00	\$994.39	\$994.39	1.00	\$994.39	\$0.00
28	8"x6" Pipe Reducer	Each	1.00	\$387.92	\$387.92	1.00	\$387.92	\$0.00
29	12"x8" Tapping Tee	Each	1.00	\$3,715.29	\$3,715.29	1.00	\$3,715.29	\$0.00

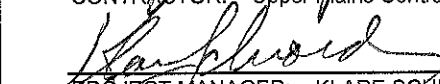
LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
30	12"x12" Tapping Tee	Each	1.00	\$4,917.29	\$4,917.29	1.00	\$4,917.29	\$0.00
31	6" Pipe Bend	Each	5.00	\$366.07	\$1,830.35	5.00	\$1,830.35	\$0.00
32	12" Pipe Bend	Each	3.00	\$677.49	\$2,032.47	3.00	\$2,032.47	\$0.00
33	16" Pipe Bend	Each	2.00	\$1,098.20	\$2,196.40	2.00	\$2,196.40	\$0.00
34	8" Pipe Cap	Each	1.00	\$327.82	\$327.82	1.00	\$327.82	\$0.00
35	6" Pipe Coupling	Each	1.00	\$366.07	\$366.07	1.00	\$366.07	\$0.00
36	12" Pipe Coupling	Each	3.00	\$579.15	\$1,737.45	3.00	\$1,737.45	\$0.00
37	12" Pipe Plug	Each	3.00	\$360.60	\$1,081.80	3.00	\$1,081.80	\$0.00
38	16" Pipe Plug	Each	1.00	\$601.00	\$601.00	1.00	\$601.00	\$0.00
39	6" Gate Valve with Box	Each	1.00	\$1,103.66	\$1,103.66	1.00	\$1,103.66	\$0.00
40	12" Gate Valve with Box	Each	6.00	\$2,622.56	\$15,735.36	6.00	\$15,735.36	\$0.00
41	Pipe Insulation	SqFt	1,088.00	\$10.93	\$11,891.84	1,088.00	\$11,891.84	\$0.00
42	Box	Each	7.00	\$3,988.47	\$27,919.29	7.00	\$27,919.29	\$0.00
43	or Other Uses Other Than Bedding)	Ton	100.00	\$16.12	\$1,612.00	100.00	\$1,612.00	\$0.00
44	Type 2 Foundation Material	Ton	100.00	\$17.21	\$1,721.00	100.00	\$1,721.00	\$0.00
45	Type 3 Foundation Material	Ton	100.00	\$17.21	\$1,721.00	100.00	\$1,721.00	\$0.00
46	Select Trench Backfill	Ton	500.00	\$13.11	\$6,555.00	500.00	\$6,555.00	\$0.00
47	(Trench)	CuYd	50.00	\$136.59	\$6,829.50	50.00	\$6,829.50	\$0.00
48	Trench 0' to 6' Deep	Ft	256.00	\$17.48	\$4,474.88	256.00	\$4,474.88	\$0.00
49	Trench 6' to 8' Deep	Ft	584.00	\$17.48	\$10,208.32	584.00	\$10,208.32	\$0.00
50	Trench 8' to 10' Deep	Ft	1,122.00	\$19.67	\$22,069.74	1,122.00	\$22,069.74	\$0.00
51	Trench 10' to 12' Deep	Ft	561.00	\$19.67	\$11,034.87	561.00	\$11,034.87	\$0.00
52	Trench 12' to 14' Deep	Ft	196.00	\$21.85	\$4,282.60	196.00	\$4,282.60	\$0.00
53	Trench 14' to 16' Deep	Ft	53.00	\$24.04	\$1,274.12	53.00	\$1,274.12	\$0.00
54	Trench 16' to 18' Deep	Ft	9.00	\$26.23	\$236.07	9.00	\$236.07	\$0.00
55	Trench 18' to 20' Deep	Ft	53.00	\$32.78	\$1,737.34	53.00	\$1,737.34	\$0.00
56	Trench 20' to 22' Deep	Ft	9.00	\$41.52	\$373.68	9.00	\$373.68	\$0.00
57	Trench 24' to 26' Deep	Ft	535.00	\$59.01	\$31,570.35	535.00	\$31,570.35	\$0.00
58	Trench 26' to 28' Deep	Ft	210.00	\$67.75	\$14,227.50	210.00	\$14,227.50	\$0.00
59	Trench 28' to 30' Deep	Ft	158.00	\$76.49	\$12,085.42	158.00	\$12,085.42	\$0.00
60	Trench 30' to 32' Deep	Ft	374.00	\$87.42	\$32,695.08	374.00	\$32,695.08	\$0.00
61	Trench 22' to 24' Deep	Ft	238.00	\$50.27	\$11,964.26	238.00	\$11,964.26	\$0.00
62	Trench 32' to 34' Deep	Ft	281.00	\$98.35	\$27,636.35	281.00	\$27,636.35	\$0.00
63	Trench 34' to 36' Deep	Ft	512.00	\$109.27	\$55,946.24	512.00	\$55,946.24	\$0.00
64	Bore and Jack 24" Pipe	Ft	767.00	\$360.60	\$276,580.20	767.00	\$276,580.20	\$0.00

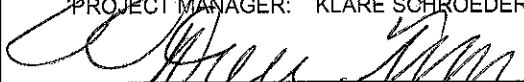
LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
65	Bore and Jack 30" Pipe	Ft	312.00	\$409.77	\$127,848.24	312.00	\$127,848.24	\$0.00
66	Adjust Water Valve Box	Each	4.00	\$546.37	\$2,185.48	4.00	\$2,185.48	\$0.00
67	Water Main Lowering	Each	1.00	\$10,927.32	\$10,927.32	1.00	\$10,927.32	\$0.00
68	Connect to Existing Water Main	Each	2.00	\$1,639.10	\$3,278.20	2.00	\$3,278.20	\$0.00
69	Sewer Bypass Pumping	Lump Sum	1.00	\$10,927.32	\$10,927.32	1.00	\$10,927.32	\$0.00
70	Corrosion Protection	Lump Sum	1.00	\$5,463.66	\$5,463.66	1.00	\$5,463.66	\$0.00
71	16" PVC Restrained Joint Sewer Main	Ft.	350.00	\$43.71	\$15,298.50	350.00	\$15,298.50	\$0.00
72	Traffic Control, Misc.	Lump Sum	1.00	\$12,566.41	\$12,566.41	1.00	\$12,566.41	\$0.00
73	Barrier Mounted	Each	100.00	\$25.13	\$2,513.00	100.00	\$2,513.00	\$0.00
74	Barrier	Each	50.00	\$109.27	\$5,463.50	50.00	\$5,463.50	\$0.00
75	Moveable Concrete Barrier	Each	96.00	\$54.64	\$5,245.44	96.00	\$5,245.44	\$0.00
76	Protection	Each	2.00	\$6,556.39	\$13,112.78	2.00	\$13,112.78	\$0.00
77	Barrier End Protection	Each	8.00	\$2,185.46	\$17,483.68	8.00	\$17,483.68	\$0.00
78	Protection Module Set or Repair Kit	Each	4.00	\$109.27	\$437.08	4.00	\$437.08	\$0.00
79	48" Manhole	Each	4.00	\$3,278.20	\$13,112.80	4.00	\$13,112.80	\$0.00
80	84" Manhole	Each	1.00	\$8,195.49	\$8,195.49	1.00	\$8,195.49	\$0.00
81	Drop Manhole, 48"	Each	5.00	\$3,824.56	\$19,122.80	5.00	\$19,122.80	\$0.00
82	Drop Manhole, 60"	Each	1.00	\$5,463.66	\$5,463.66	1.00	\$5,463.66	\$0.00
83	Extra Depth for 48" Manhole	Ft	191.00	\$218.55	\$41,743.05	191.00	\$41,743.05	\$0.00
84	Extra Depth for 60" Manhole	Ft	16.00	\$491.73	\$7,867.68	16.00	\$7,867.68	\$0.00
85	Extra Depth for 84" Manhole	Ft	2.00	\$655.64	\$1,311.28	2.00	\$1,311.28	\$0.00
86	Adjust Manhole	Each	7.00	\$546.37	\$3,824.59	7.00	\$3,824.59	\$0.00
87	Adjust And Seal Manhole	Each	23.00	\$546.37	\$12,566.51	23.00	\$12,566.51	\$0.00
88	Connect to Existing Manhole	Each	1.00	\$2,731.83	\$2,731.83	1.00	\$2,731.83	\$0.00
89	Abandon Manhole	Each	3.00	\$546.37	\$1,639.11	3.00	\$1,639.11	\$0.00
90	Hydroseeding	SqYd	8,400.00	\$0.22	\$1,848.00	8,400.00	\$1,848.00	\$0.00
91	Fertilizing	Ton	0.20	\$2,185.45	\$437.09	0.20	\$437.09	\$0.00
92	Mulching	Ton	0.40	\$2,185.48	\$874.19	0.40	\$874.19	\$0.00
93	Water Pollution Control	Lump Sum	1.00	\$1,639.10	\$1,639.10	1.00	\$1,639.10	\$0.00
94	AASHTO T-180 Soil Test	Each	4.00	\$218.55	\$874.20	4.00	\$874.20	\$0.00
95	Amending Existing Topsoil	CuYd	240.00	\$21.85	\$5,244.00	240.00	\$5,244.00	\$0.00
96	Mobilization (CCO#1 & CCO#2)	Each	3.00	\$4,968.88	\$14,906.64	0.00	\$0.00	(\$14,906.64)
97	24" RCP Class 2 Furnish (CCO#1)	Ft	346.00	\$31.78	\$10,995.88	346.00	\$10,995.88	\$0.00
98	24" RCP Class 2 Install (CCO#1)	Ft	346.00	\$45.40	\$15,708.40	346.00	\$15,708.40	\$0.00
99	24" Concrete End Caps (CCO#1)	Each	6.00	\$198.63	\$1,191.78	6.00	\$1,191.78	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
100	Asphalt Sawing (CCO#1 & CCO#2)	Each	3.00	\$454.00	\$1,362.00	1.00	\$454.00	(\$908.00)
101	Asphalt Removals (CCO#1 & CCO#2)	Each	3.00	\$454.00	\$1,362.00	1.00	\$454.00	(\$908.00)
102	Asphalt Patching (CCO#1 & CCO#2)	Ton	13.50	\$283.75	\$3,830.63	0.00	\$0.00	(\$3,830.63)
103	Trench Removal (CCO#1)	CuYd	1,795.00	\$3.41	\$6,111.98	1,795.00	\$6,111.98	\$0.00
104	Tench Embankment (CCO#1)	CuYd	1,795.00	\$3.97	\$7,130.64	1,795.00	\$7,130.64	\$0.00
105	Flagging (CCO#1)	Hr	120.00	\$25.15	\$3,018.00	120.00	\$3,018.00	\$0.00
106	Traffic Control (CCO#1)	Lump Sum	1.00	\$1,362.00	\$1,362.00	1.00	\$1,362.00	\$0.00
107	Place Gravel Base (CCO#1)	Ton	60.00	\$22.70	\$1,362.00	60.00	\$1,362.00	\$0.00
108	Blade Work (CCO#1)	Hr	20.00	\$113.50	\$2,270.00	20.00	\$2,270.00	\$0.00
109	Detour Lane (CCO#1)	CuYd	2,500.00	\$3.41	\$8,512.50	2,500.00	\$8,512.50	\$0.00
110	Detour Lane Removal (CCO#1)	CuYd	2,500.00	\$3.41	\$8,512.50	2,500.00	\$8,512.50	\$0.00
111	Revised Mobilization (CCO#2)	Each	0.00	\$4,600.00	\$0.00	3.00	\$13,800.00	\$13,800.00
112	Manhole Ring (CCO#2)	Each	0.00	\$265.87	\$0.00	4.00	\$1,063.48	\$1,063.48
113	Manhole Cover (CCO#2)	Each	0.00	\$216.81	\$0.00	7.00	\$1,517.67	\$1,517.67
114	Manhole Vent (CCO#2)	Each	0.00	\$1,107.81	\$0.00	7.00	\$7,754.67	\$7,754.67
115	Manhole Adjust w/Rings (CCO#2)	CuYd	0.00	\$301.34	\$0.00	10.40	\$3,133.94	\$3,133.94
TOTAL							\$1,355,929.89	\$6,716.49

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$1,349,213.40
CCO #1	\$87,636.95	NET INCREASE/(DECREASE):	\$6,716.49
CCO #2	\$6,716.49	ADJUSTED CONTRACT PRICE:	\$1,355,929.89
		CHANGE TO DATE:	\$94,353.44


 CONTRACTOR: Upper Plains Contracting, Inc., 5325 Highway 12 East, Aberdeen, SD 57401 605-225-7082 6/20/11
DATE


 PROJECT MANAGER: KLARE SCHROEDER, P.E. 6/10/11
DATE


 CITY ENGINEER: DALE TECH, P.E. / L.S. 6-20-11
DATE

MAYOR: ALAN HANKS DATE

FINANCE: PAULINE SUMPTION DATE

CONTRACT TIME CHANGE +/-: 0 NEW CONTRACT TIME: Days

City Staff recommends approval of this Change Order #2 to Upper Plains for an increase of \$6,716.49 based on unit pricing with the following appropriation:

Initial Funding	\$368,116.68	\$602,985.67	\$145,237.05	\$145,237.05		\$1,261,576.45
Fund Type	Sanitary Sewer	Sanitary Sewer	Water	Water		
Department	0833	0834	0933	0934		
Line Item	4380	4380	4381	4381		
Fund	0604	0604	0602	0602		
CCO #1	\$0.00	\$0.00	\$43,818.48	\$43,818.47		\$87,636.95
CCO #2	\$5,118.50	\$8,351.27	(\$3,376.64)	(\$3,376.64)		\$6,716.49
Adjusted Funding	\$373,235.18	\$611,336.94	\$185,678.89	\$185,678.88		\$1,355,929.89

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2
CATRON BOULEVARD RECONSTRUCTION UTILITY RELOCATION AND MODIFICATION
PROJECT NO. SSW09-1819 / CIP NO. 50495
JUNE 10, 2011
ORIGINAL CONTRACT AMOUNT: \$1,261,576.45
CONTRACTOR: UPPER PLAINS CONTRACTING, INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
96	Mobilization (CCO#1 & CCO#2)	Mobilization for asphalt patching was eliminated. See #102.
100	Asphalt Sawing (CCO#1 & CCO#2)	It was necessary to saw and remove only one crossing area.
101	Asphalt Removals (CCO#1 & CCO#2)	It was necessary to saw and remove only one crossing area.
102	Asphalt Patching (CCO#1 & CCO#2)	Asphalt patching was not necessary at this time to replace this crossing.
111	Revised Mobilization (CCO#2)	Balance of mobilization to complete installation of 24" RCP crossings.
112	Manhole Ring (CCO#2)	Due to changes in original and final grades, MH adjustments were necessary.
113	Manhole Cover (CCO#2)	Due to changes in original and final grades, MH adjustments were necessary.
114	Manhole Vent (CCO#2)	Due to conditions anticipated within the MH, it was necessary to add venting.
115	Manhole Adjust w/Rings (CCO#2)	Due to changes in original and final grades, MH adjustments were necessary.

PREPARED BY: Klare Schroeder, P.E.

DATE: June 10, 2011

FUNDING TYPE		Sanitary Sewer		Sanitary Sewer		Water		Water	
COST CENTER		0833		0834		0933		934	
LINE ITEM		4380		4380		4381		4381	
FUND		0604		0604		0602		0602	
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT
1	Mobilization	0.00	31%	0.00	52%	0.00	9%	0.00	9%
2	Construction Staking	0.00	31%	0.00	52%	0.00	9%	0.00	9%
3	Reestablish Property Corner	0.00	31%	0.00	52%	0.00	9%	0.00	9%
4	Remove Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%
5	Remove Fire Hydrant	0.00	0%	0.00	0%	0.00	50%	0.00	50%
6	Remove Valve Box	0.00	0%	0.00	0%	0.00	50%	0.00	50%
7	Placing Topsoil	0.00	38%	0.00	62%	0.00	0%	0.00	0%
8	Incidental Work	0.00	31%	0.00	52%	0.00	9%	0.00	9%
9	24" RC Encasement Pipe	0.00	0%	0.00	0%	0.00	50%	0.00	50%
10	18" Steel Encasement Pipe	0.00	38%	0.00	62%	0.00	0%	0.00	0%
11	Pipe Encasement	0.00	0%	0.00	0%	0.00	50%	0.00	50%
12	6" PVC Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%
13	8" PVC Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%
14	12" PVC Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%
15	16" PVC Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%
16	8" PVC Restrained Joint Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%
17	12" PVC Restrained Joint Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%
18	8" PVC Restrained Joint Sewer Main	0.00	38%	0.00	62%	0.00	0%	0.00	0%
19	10" PVC Restrained Joint Sewer Main	0.00	38%	0.00	62%	0.00	0%	0.00	0%
20	8" PVC Sewer Pipe	0.00	38%	0.00	62%	0.00	0%	0.00	0%
21	15" PVC Sewer Pipe	0.00	38%	0.00	62%	0.00	0%	0.00	0%
22	6"x6" Pipe Tee	0.00	38%	0.00	62%	0.00	0%	0.00	0%
23	8"x6" Pipe Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%
24	12"x6" Pipe Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%
25	12"x8" Pipe Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%
26	12"x12" Pipe Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%
27	16"x6" Pipe Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%
28	8"x6" Pipe Reducer	0.00	0%	0.00	0%	0.00	50%	0.00	50%
29	12"x8" Tapping Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%

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30	12"x12" Tapping Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
31	6" Pipe Bend	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
32	12" Pipe Bend	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
33	16" Pipe Bend	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
34	8" Pipe Cap	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
35	6" Pipe Coupling	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
36	12" Pipe Coupling	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
37	12" Pipe Plug	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
38	16" Pipe Plug	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
39	6" Gate Valve with Box	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
40	12" Gate Valve with Box	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
41	Pipe Insulation	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
42	Fire Hydrant with Auxiliary Valve & B	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
43	TYPE 1 Bedding Material (Foundatio	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
44	Type 2 Foundation Material	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
45	Type 3 Foundation Material	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
46	Select Trench Backfill	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
47	Controlled Low Strength Backfill (Tre	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
48	Trench 0' to 6' Deep	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
49	Trench 6' to 8' Deep	0.00	8%	0.00	13%	0.00	40%	0.00	40%	100%
50	Trench 8' to 10' Deep	0.00	2%	0.00	3%	0.00	48%	0.00	48%	100%
51	Trench 10' to 12' Deep	0.00	5%	0.00	8%	0.00	44%	0.00	44%	100%
52	Trench 12' to 14' Deep	0.00	4%	0.00	7%	0.00	45%	0.00	45%	100%
53	Trench 14' to 16' Deep	0.00	21%	0.00	34%	0.00	23%	0.00	23%	100%
54	Trench 16' to 18' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
55	Trench 18' to 20' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
56	Trench 20' to 22' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
57	Trench 24' to 26' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
58	Trench 26' to 28' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
59	Trench 28' to 30' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
60	Trench 30' to 32' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
61	Trench 22' to 24' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
62	Trench 32' to 34' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
63	Trench 34' to 36' Deep	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
64	Bore and Jack 24" Pipe	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
65	Bore and Jack 30" Pipe	0.00	33%	0.00	54%	0.00	7%	0.00	7%	100%
66	Adjust Water Valve Box	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%

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67	Water Main Lowering	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
68	Connect to Existing Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
69	Sewer Bypass Pumping	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
70	Corrosion Protection	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
71	16" PVC Restrained Joint Sewer Mai	0.00	4%	0.00	6%	0.00	45%	0.00	45%	100%
72	Traffic Control, Misc.	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
73	Linear Delineator System Panel, Bar	0.00	29%	0.00	47%	0.00	13%	0.00	13%	100%
74	Traffic Control Moveable Concrete Ba	0.00	29%	0.00	47%	0.00	13%	0.00	13%	100%
75	Remove & Reset Traffic Control Mov	0.00	29%	0.00	47%	0.00	13%	0.00	13%	100%
76	Temporary Concrete Barrier End Pro	0.00	29%	0.00	47%	0.00	13%	0.00	13%	100%
77	Remove & Reset Temporary Concre	0.00	29%	0.00	47%	0.00	13%	0.00	13%	100%
78	Temporary Concrete Barrier End Pro	0.00	29%	0.00	47%	0.00	13%	0.00	13%	100%
79	48" Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
80	84" Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
81	Drop Manhole, 48"	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
82	Drop Manhole, 60"	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
83	Extra Depth for 48" Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
84	Extra Depth for 60" Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
85	Extra Depth for 84" Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
86	Adjust Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
87	Adjust And Seal Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
88	Connect to Existing Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
89	Abandon Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
90	Hydroseeding	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
91	Fertilizing	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
92	Mulching	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
93	Water Pollution Control	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
94	AASHTO T-180 Soil Test	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
95	Amending Existing Topsoil	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
96	Mobilization (CCO#1 & CCO#2)	0.00	0%	0.00	0%	-7,453.32	50%	-7,453.32	50%	100%
97	24" RCP Class 2 Furnish (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
98	24" RCP Class 2 Install (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
99	24" Concrete End Caps (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
100	Asphalt Sawing (CCO#1 & CCO#2)	0.00	0%	0.00	0%	-454.00	50%	-454.00	50%	100%
101	Asphalt Removals (CCO#1 & CCO#2)	0.00	0%	0.00	0%	-454.00	50%	-454.00	50%	100%
102	Asphalt Patching (CCO#1 & CCO#2)	0.00	0%	0.00	0%	-1,915.32	50%	-1,915.32	50%	100%
103	Trench Removal (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%

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104	Tench Embankment (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
105	Flagging (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
106	Traffic Control (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
107	Place Gravel Base (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
108	Blade Work (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
109	Detour Lane (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
110	Detour Lane Removal (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
111	Revised Mobilization (CCO#2)	0.00	0%	0.00	0%	6,900.00	50%	6,900.00	50%	100%
112	Manhole Ring (CCO#2)	404.12	38%	659.36	62%	0.00	0%	0.00	0%	100%
113	Manhole Cover (CCO#2)	576.71	38%	940.96	62%	0.00	0%	0.00	0%	100%
114	Manhole Vent (CCO#2)	2,946.77	38%	4,807.90	62%	0.00	0%	0.00	0%	100%
115	Manhole Adjust w/Rings (CCO#2)	1,190.90	38%	1,943.04	62%	0.00	0%	0.00	0%	100%
		\$5,118.50		\$8,351.27		(\$3,376.64)		(\$3,376.64)		\$6,716.49