

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #6F
CATRON BOULEVARD RECONSTRUCTION UTILITY RELOCATION AND MODIFICATION
PROJECT NO. SSW09-1819 / CIP NO. 50495
SEPTEMBER 28, 2012
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	0.00	\$0.00	(\$437.08)
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	50.00	\$273.00	(\$682.50)
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	230.00	\$21,866.10	\$7,035.18
10	18" Steel Encasement Pipe	Ft	22.00	\$196.69	\$4,327.18	0.00	\$0.00	(\$4,327.18)
11	Pipe Encasement	Each	4.00	\$819.55	\$3,278.20	3.00	\$2,458.65	(\$819.55)
12	6" PVC Water Main	Ft	190.00	\$12.02	\$2,283.80	202.00	\$2,428.04	\$144.24
13	8" PVC Water Main	Ft	46.00	\$17.21	\$791.66	47.00	\$808.87	\$17.21
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	1,450.00	\$51,489.50	\$1,420.40
18	8" PVC Restrained Joint Sewer Main	Ft	480.00	\$22.40	\$10,752.00	448.00	\$10,035.20	(\$716.80)
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	126.00	\$1,858.50	\$88.50
21	15" PVC Sewer Pipe	Ft	2,650.00	\$28.14	\$74,571.00	2,661.00	\$74,880.54	\$309.54
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	0.00	\$0.00	(\$502.66)
24	12"x6" Pipe Tee	Each	4.00	\$677.49	\$2,709.96	5.00	\$3,387.45	\$677.49
25	12"x8" Pipe Tee	Each	2.00	\$792.23	\$1,584.46	1.00	\$792.23	(\$792.23)
26	12"x12" Pipe Tee	Each	1.00	\$917.89	\$917.89	2.00	\$1,835.78	\$917.89
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
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	5.00	\$3,387.45	\$1,354.98

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
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	7.00	\$18,357.92	\$2,622.56
41	Pipe Insulation	SqFt	1,088.00	\$10.93	\$11,891.84	704.00	\$7,694.72	(\$4,197.12)
42	Fire Hydrant with Auxiliary Valve & Box	Each	7.00	\$3,988.47	\$27,919.29	7.00	\$27,919.29	\$0.00
43	TYPE 1 Bedding Material (Foundation or Other Uses Other Than Bedding)	Ton	100.00	\$16.12	\$1,612.00	0.00	\$0.00	(\$1,612.00)
44	Type 2 Foundation Material	Ton	100.00	\$17.21	\$1,721.00	0.00	\$0.00	(\$1,721.00)
45	Type 3 Foundation Material	Ton	100.00	\$17.21	\$1,721.00	0.00	\$0.00	(\$1,721.00)
46	Select Trench Backfill	Ton	500.00	\$13.11	\$6,555.00	0.00	\$0.00	(\$6,555.00)
47	Controlled Low Strength Backfill (Trench)	CuYd	50.00	\$136.59	\$6,829.50	0.00	\$0.00	(\$6,829.50)
48	Trench 0' to 6' Deep	Ft	256.00	\$17.48	\$4,474.88	52.00	\$908.96	(\$3,565.92)
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	1,430.00	\$28,128.10	\$6,058.36
51	Trench 10' to 12' Deep	Ft	561.00	\$19.67	\$11,034.87	581.00	\$11,428.27	\$393.40
52	Trench 12' to 14' Deep	Ft	196.00	\$21.85	\$4,282.60	276.00	\$6,030.60	\$1,748.00
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	19.00	\$498.37	\$262.30
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	572.50	\$33,783.23	\$2,212.88
58	Trench 26' to 28' Deep	Ft	210.00	\$67.75	\$14,227.50	271.50	\$18,394.13	\$4,166.63
59	Trench 28' to 30' Deep	Ft	158.00	\$76.49	\$12,085.42	190.00	\$14,533.10	\$2,447.68
60	Trench 30' to 32' Deep	Ft	374.00	\$87.42	\$32,695.08	342.00	\$29,897.64	(\$2,797.44)
61	Trench 22' to 24' Deep	Ft	238.00	\$50.27	\$11,964.26	172.00	\$8,646.44	(\$3,317.82)
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	547.00	\$360.60	\$197,248.20	373.00	\$134,503.80	(\$62,744.40)
65	Bore and Jack 30" Pipe	Ft	312.00	\$409.77	\$127,848.24	324.00	\$132,765.48	\$4,917.24
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	0.00	\$0.00	(\$10,927.32)
68	Connect to Existing Water Main	Each	2.00	\$1,639.10	\$3,278.20	3.00	\$4,917.30	\$1,639.10
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	363.00	\$15,866.73	\$568.23

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
72	Traffic Control, Misc.	Lump Sum	1.00	\$12,566.41	\$12,566.41	1.00	\$12,566.41	\$0.00
73	Linear Delineator System Panel, Barrier Mounted	Each	100.00	\$25.13	\$2,513.00	0.00	\$0.00	(\$2,513.00)
74	Traffic Control Moveable Concrete Barrier	Each	50.00	\$109.27	\$5,463.50	76.00	\$8,304.52	\$2,841.02
75	Remove & Reset Traffic Control Moveable Concrete Barrier	Each	160.00	\$54.64	\$8,742.40	51.00	\$2,786.64	(\$5,955.76)
76	Temporary Concrete Barrier End Protection	Each	2.00	\$6,556.39	\$13,112.78	4.00	\$26,225.56	\$13,112.78
77	Remove & Reset Temporary Concrete Barrier End Protection	Each	12.00	\$2,185.46	\$26,225.52	5.00	\$10,927.30	(\$15,298.22)
78	Temporary Concrete Barrier End Protection Module Set or Repair Kit	Each	4.00	\$109.27	\$437.08	0.00	\$0.00	(\$437.08)
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	194.15	\$42,431.48	\$688.43
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	24.00	\$13,112.88	\$546.37
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	4,840.00	\$1,064.80	(\$783.20)
91	Fertilizing	Ton	0.20	\$2,185.45	\$437.09	0.10	\$218.55	(\$218.54)
92	Mulching	Ton	0.40	\$2,185.48	\$874.19	1.00	\$2,185.48	\$1,311.29
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	0.00	\$0.00	(\$874.20)
95	Amending Existing Topsoil	CuYd	240.00	\$21.85	\$5,244.00	0.00	\$0.00	(\$5,244.00)
96	Mobilization (CCO#1 & CCO#2)	Each	0.00	\$4,968.88	\$0.00	0.00	\$0.00	\$0.00
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
100	Asphalt Sawing (CCO#1 & CCO#2)	Each	1.00	\$454.00	\$454.00	1.00	\$454.00	\$0.00
101	Asphalt Removals (CCO#1 & CCO#2)	Each	1.00	\$454.00	\$454.00	1.00	\$454.00	\$0.00
102	Asphalt Patching (CCO#1 & CCO#2)	Ton	0.00	\$283.75	\$0.00	0.00	\$0.00	\$0.00
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

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
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	3.00	\$4,600.00	\$13,800.00	3.00	\$13,800.00	\$0.00
112	Manhole Ring (CCO#2)	Each	4.00	\$265.87	\$1,063.48	4.00	\$1,063.48	\$0.00
113	Manhole Cover (CCO#2)	Each	7.00	\$216.81	\$1,517.67	6.00	\$1,300.86	(\$216.81)
114	Manhole Vent (CCO#2)	Each	7.00	\$1,107.81	\$7,754.67	6.00	\$6,646.86	(\$1,107.81)
115	Manhole Adjust w/Rings (CCO#2)	CuYd	10.40	\$301.34	\$3,133.94	10.40	\$3,133.94	\$0.00
116	Exist MH #5 & #7 Modifications (CCO#3)	Lump Sum	1.00	\$5,499.95	\$5,499.95	1.00	\$5,499.95	\$0.00
117	MH #21A Bore Modifications (CCO#3)	Lump Sum	1.00	\$4,788.68	\$4,788.68	1.00	\$4,788.68	\$0.00
118	Open Cut Crossing, Casing & Carrier Pipe Installation at 16+72.33 (CCO#4)	Ft.	220.00	\$697.00	\$153,340.00	220.00	\$153,340.00	\$0.00
119	Rock Excavation (CCO#5)	CuYd	93.00	\$154.80	\$14,396.40	93.00	\$14,396.40	\$0.00
120	Eliminate Manhole Bases 4 & 5 (CCO#6)	LS	0.00	\$2,275.65	\$0.00	1.00	\$2,275.65	\$2,275.65
121	Fire Hydrant and Valve Box Extension (CCO#6)	LS	0.00	\$1,140.62	\$0.00	1.00	\$1,140.62	\$1,140.62
TOTAL					\$1,461,933.72		\$1,375,936.55	(\$85,997.17)

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :		\$1,461,933.72
CCO #1	\$87,636.95	NET INCREASE/(DECREASE):		(\$85,997.17)
CCO #2	\$6,716.49	ADJUSTED CONTRACT PRICE:		\$1,375,936.55
CCO #3	\$10,288.63			
CCO #4	\$81,318.80			
CCO #5	\$14,396.40			
CCO #6F	(\$85,997.17)	CHANGE TO DATE:		\$114,360.10

Brett Lindsey *Don Whelan* *10/1/12*
 CONTRACTOR: Upper Plains Contracting, Inc., 5325 Highway 12 East, Aberdeen, SD 57401 605-225-7082 DATE
Barry Schroeder *9/28/12*
 PROJECT MANAGER: KLARE SCHROEDER, P.E. DATE
Dale Tech *10-1-12*
 CITY ENGINEER: DALE TECH, P.E. /L.S. DATE
 _____ DATE
 MAYOR: SAM KOOIKER
 _____ DATE
 FINANCE: PAULINE SUMPTION DATE
 CONTRACT TIME CHANGE +/-: 0 NEW CONTRACT TIME: Days

City Staff recommends approval of this Change Order #6F to Upper Plains for a decrease of \$85,997.17 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
CCO #3	\$3,909.68	\$6,378.95	\$0.00	\$0.00		\$10,288.63
CCO #4	\$29,738.45	\$48,520.65	\$1,529.85	\$1,529.85		\$81,318.80
CCO #5	\$5,470.63	\$8,925.77	\$0.00	\$0.00		\$14,396.40
CCO #6F	(\$33,060.13)	(\$54,217.45)	\$640.20	\$640.21		(\$85,997.17)
Adjusted Funding	\$379,293.81	\$620,944.86	\$187,848.94	\$187,848.94	\$1,375,936.55	\$1,375,936.55

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CATRON BOULEVARD RECONSTRUCTION UTILITY RELOCATION AND MODIFICATION
PROJECT NO. SSW09-1819 / CIP NO. 50495
SEPTEMBER 28, 2012
ORIGINAL CONTRACT AMOUNT: \$1,261,576.45
CONTRACTOR: UPPER PLAINS CONTRACTING, INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
3	Reestablish Property Corner	It was not necessary to disturb the corners anticipated to be disturbed.
7	Placing Topsoil	Less topsoil was salvaged and replaced than estimated.
9	24" RC Encasement Pipe	Additional encasement was used at pipe crossing.
10	18" Steel Encasement Pipe	Less encasement pipe was necessary than estimated.
11	Pipe Encasement	Less encasement was necessary due to less pipe installed.
12	6" PVC Water Main	Minor deviation.
13	8" PVC Water Main	Minor deviation.
17	12" PVC Restrained Joint Water Main	Additional pipe was necessary due to alignment changes.
18	8" PVC Restrained Joint Sewer Main	Less pipe was necessary due to alignment changes.
20	8" PVC Sewer Pipe	Minor deviation.
21	15" PVC Sewer Pipe	Minor deviation.
23	8"x6" Pipe Tee	Did not have to use item.
24	12"x6" Pipe Tee	Used an additional tee.
25	12"x8" Pipe Tee	Used one less tee.
26	12"x12" Pipe Tee	Used an additional tee.
32	12" Pipe Bend	Used 2 additional bends.
40	12" Gate Valve with Box	Added an additional 12" gate valve.
41	Pipe Insulation	Less insulation used than was estimated.
43	TYPE 1 Bedding Material (Foundation or Other Uses Other Than Bedding)	Did not use.
44	Type 2 Foundation Material	Did not use.
45	Type 3 Foundation Material	Did not use.

46	Select Trench Backfill	Did not use.
47	Controlled Low Strength Backfill (Trench)	Did not use.
48	Trench 0' to 6' Deep	Depths varied from those estimated in the plans.
50	Trench 8' to 10' Deep	Depths varied from those estimated in the plans.
51	Trench 10' to 12' Deep	Depths varied from those estimated in the plans.
52	Trench 12' to 14' Deep	Depths varied from those estimated in the plans.
54	Trench 16' to 18' Deep	Depths varied from those estimated in the plans.
57	Trench 24' to 26' Deep	Depths varied from those estimated in the plans.
58	Trench 26' to 28' Deep	Depths varied from those estimated in the plans.
59	Trench 28' to 30' Deep	Depths varied from those estimated in the plans.
60	Trench 30' to 32' Deep	Depths varied from those estimated in the plans.
61	Trench 22' to 24' Deep	Depths varied from those estimated in the plans.
64	Bore and Jack 24" Pipe	Actual quantity necessary to provide accessible location for pipe connection.
65	Bore and Jack 30" Pipe	Actual quantity necessary to provide accessible location for pipe connection.
67	Water Main Lowering	Did not have to use item.
68	Connect to Existing Water Main	Connecting an additional line was necessary
71	16" PVC Restrained Joint Sewer Main	Actual quantity necessary.
73	Linear Delineator System Panel, Barrier Mounted	Did not use.
74	Traffic Control Moveable Concrete Barrier	Additional barriers were necessary to protect public per DOT.
75	Remove & Reset Traffic Control Moveable Concrete Barrier	Less barrier required resetting due to placement per DOT
76	Temporary Concrete Barrier End Protection	Additional end protection was necessary due to placement per DOT.
77	Remove & Reset Temporary Concrete Barrier End Protection	Less end protection required resetting due to placement per DOT.
78	Temporary Concrete Barrier End Protection Module Set or Repair Kit	Did not use.
83	Extra Depth for 48" Manhole	Minor deviation.
87	Adjust And Seal Manhole	Minor deviation.
90	Hydroseeding	Actual quantity necessary to cover disturbed areas.

91	Fertilizing	Actual quantity necessary to cover disturbed areas.
92	Mulching	Actual quantity necessary to cover disturbed areas.
94	AASHTO T-180 Soil Test	No tests necessary as we used SDDOT results for areas.
95	Amending Existing Topsoil	Did not use at request of SDDOT
113	Manhole Cover (CCO#2)	Quantity reduced due to elimination of MH.
114	Manhole Vent (CCO#2)	Quantity reduced due to elimination of MH.
120	Eliminate Manhole Bases 4 & 5 (CCO#6)	Combined two MH into one location which resulted in cost change.
121	Fire Hydrant and Valve Box Extension (CCO#6)	Grading modification resulted in the need to extend a FH barrel section

PREPARED BY: Klare Schroeder, P.E.

DATE: September 28, 2012

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%	100%
2	Construction Staking	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
3	Reestablish Property Corner	-135.49	31%	-227.28	52%	-37.15	9%	-37.15	9%	100%
4	Remove Manhole	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
5	Remove Fire Hydrant	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
6	Remove Valve Box	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
7	Placing Topsoil	-259.35	38%	-423.15	62%	0.00	0%	0.00	0%	100%
8	Incidental Work	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
9	24" RC Encasement Pipe	0.00	0%	0.00	0%	3,517.59	50%	3,517.59	50%	100%
10	18" Steel Encasement Pipe	-1,644.33	38%	-2,682.85	62%	0.00	0%	0.00	0%	100%
11	Pipe Encasement	0.00	0%	0.00	0%	-409.78	50%	-409.78	50%	100%
12	6" PVC Water Main	0.00	0%	0.00	0%	72.12	50%	72.12	50%	100%
13	8" PVC Water Main	0.00	0%	0.00	0%	8.61	50%	8.61	50%	100%
14	12" PVC Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
15	16" PVC Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
16	8" PVC Restrained Joint Water Main	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
17	12" PVC Restrained Joint Water Main	0.00	0%	0.00	0%	710.20	50%	710.20	50%	100%
18	8" PVC Restrained Joint Sewer Main	-272.38	38%	-444.42	62%	0.00	0%	0.00	0%	100%
19	10" PVC Restrained Joint Sewer Main	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
20	8" PVC Sewer Pipe	33.63	38%	54.87	62%	0.00	0%	0.00	0%	100%
21	15" PVC Sewer Pipe	117.63	38%	191.91	62%	0.00	0%	0.00	0%	100%
22	6"x6" Pipe Tee	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
23	8"x6" Pipe Tee	0.00	0%	0.00	0%	-251.33	50%	-251.33	50%	100%
24	12"x6" Pipe Tee	0.00	0%	0.00	0%	338.75	50%	338.75	50%	100%
25	12"x8" Pipe Tee	0.00	0%	0.00	0%	-396.12	50%	-396.12	50%	100%
26	12"x12" Pipe Tee	0.00	0%	0.00	0%	458.95	50%	458.95	50%	100%
27	16"x6" Pipe Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
28	8"x6" Pipe Reducer	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
29	12"x8" Tapping Tee	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
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%	677.49	50%	677.49	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%	1,311.28	50%	1,311.28	50%	100%
41	Pipe Insulation	0.00	0%	0.00	0%	-2,098.56	50%	-2,098.56	50%	100%
42	Fire Hydrant with Auxiliary Valve & Box	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
43	TYPE 1 Bedding Material (Foundation or Other Uses Other Than Bedding)	0.00	0%	0.00	0%	-806.00	50%	-806.00	50%	100%
44	Type 2 Foundation Material	-533.51	31%	-894.92	52%	-146.29	9%	-146.29	9%	100%
45	Type 3 Foundation Material	-533.51	31%	-894.92	52%	-146.29	9%	-146.29	9%	100%
46	Select Trench Backfill	-2,032.05	31%	-3,408.60	52%	-557.18	9%	-557.18	9%	100%
47	Controlled Low Strength Backfill (Trench)	-2,117.15	31%	-3,551.34	52%	-580.51	9%	-580.51	9%	100%
48	Trench 0' to 6' Deep	-1,105.44	31%	-1,854.28	52%	-303.10	9%	-303.10	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	90.88	2%	151.46	3%	2,908.01	48%	2,908.01	48%	100%
51	Trench 10' to 12' Deep	19.67	5%	31.47	8%	171.13	44%	171.13	44%	100%
52	Trench 12' to 14' Deep	69.92	4%	122.36	7%	777.86	45%	777.86	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	99.67	38%	162.63	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	840.89	38%	1,371.99	62%	0.00	0%	0.00	0%	100%
58	Trench 26' to 28' Deep	1,583.32	38%	2,583.31	62%	0.00	0%	0.00	0%	100%
59	Trench 28' to 30' Deep	930.12	38%	1,517.56	62%	0.00	0%	0.00	0%	100%
60	Trench 30' to 32' Deep	-1,063.03	38%	-1,734.41	62%	0.00	0%	0.00	0%	100%
61	Trench 22' to 24' Deep	-1,260.77	38%	-2,057.05	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	-23,842.87	38%	-38,901.53	62%	0.00	0%	0.00	0%	100%
65	Bore and Jack 30" Pipe	1,598.10	33%	2,630.72	54%	344.21	7%	344.21	7%	100%
66	Adjust Water Valve Box	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
67	Water Main Lowering	0.00	0%	0.00	0%	-5,463.66	50%	-5,463.66	50%	100%
68	Connect to Existing Water Main	0.00	0%	0.00	0%	819.55	50%	819.55	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 Main	22.73	4%	34.09	6%	255.70	45%	255.70	45%	100%
72	Traffic Control, Misc.	0.00	31%	0.00	52%	0.00	9%	0.00	9%	100%
73	Linear Delineator System Panel, Barrier Mounted	-716.21	29%	-1,168.55	47%	-314.13	13%	-314.13	13%	100%
74	Traffic Control Moveable Concrete Barrier	809.69	29%	1,321.07	47%	355.13	13%	355.13	13%	100%
75	Remove & Reset Traffic Control Moveable Concrete Barrier	-1,697.39	29%	-2,769.43	47%	-744.47	13%	-744.47	13%	100%
76	Temporary Concrete Barrier End Protection	3,737.14	29%	6,097.44	47%	1,639.10	13%	1,639.10	13%	100%

77	Remove & Reset Temporary Concrete Barrier End Protection	-4,359.99	29%	-7,113.67	47%	-1,912.28	13%	-1,912.28	13%	100%
78	Temporary Concrete Barrier End Protection Module Set or Repair Kit	-124.57	29%	-203.24	47%	-54.64	13%	-54.64	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	261.60	38%	426.83	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	207.62	38%	338.75	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	-297.62	38%	-485.58	62%	0.00	0%	0.00	0%	100%
91	Fertilizing	-83.05	38%	-135.49	62%	0.00	0%	0.00	0%	100%
92	Mulching	498.29	38%	813.00	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	-271.00	31%	-454.58	52%	-74.31	9%	-74.31	9%	100%
95	Amending Existing Topsoil	-1,992.72	38%	-3,251.28	62%	0.00	0%	0.00	0%	100%
96	Mobilization (CCO#1 & CCO#2)	0.00	0%	0.00	0%	0.00	50%	0.00	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%	0.00	50%	0.00	50%	100%
101	Asphalt Removals (CCO#1 & CCO#2)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
102	Asphalt Patching (CCO#1 & CCO#2)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
103	Trench Removal (CCO#1)	0.00	0%	0.00	0%	0.00	50%	0.00	50%	100%
104	Trench 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%	0.00	50%	0.00	50%	100%
112	Manhole Ring (CCO#2)	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
113	Manhole Cover (CCO#2)	-82.39	38%	-134.42	62%	0.00	0%	0.00	0%	100%
114	Manhole Vent (CCO#2)	-420.97	38%	-686.84	62%	0.00	0%	0.00	0%	100%
115	Manhole Adjust w/Rings (CCO#2)	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
116	Exist MH #5 & #7 Modifications (CCO#3)	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
117	MH #21A Bore Modifications (CCO#3)	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%

118	Open Cut Crossing, Casing & Carrier Pipe Installation at 16+72.33 (CCO#4)	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
119	Rock Excavation (CCO#5)	0.00	38%	0.00	62%	0.00	0%	0.00	0%	100%
120	Eliminate Manhole Bases 4 & 5 (CCO#6)	864.75	38%	1,410.90	62%	0.00	0%	0.00	0%	100%
121	Fire Hydrant and Valve Box Extension (CCO#6)	0.00	0%	0.00	0%	570.31	50%	570.31	50%	100%
		(\$33,060.13)		(\$54,217.45)		\$640.20		\$640.21		(\$85,997.17)