

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F
CORRAL DRIVE AND SHERIDAN LAKE ROAD, WATER MAIN RECONSTRUCTION PROJECT
PROJECT NO. W10-1882 / CIP NO. 50816
SEPTEMBER 21, 2011
ORIGINAL CONTRACT AMOUNT: \$1,260,430.50
CONTRACTOR: R.C.S. CONSTRUCTION, INC.

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	MOBILIZATION	LS	1.00	\$52,754.00	\$52,754.00	1.00	\$52,754.00	\$0.00
2	BORING MOBILIZATION	LS	1.00	\$2,906.00	\$2,906.00	1.00	\$2,906.00	\$0.00
3	INCIDENTAL WORK	LS	1.00	\$47,961.00	\$47,961.00	1.00	\$47,961.00	\$0.00
4	CONSTRUCTION STAKING	LS	1.00	\$5,868.00	\$5,868.00	1.00	\$5,868.00	\$0.00
5	PREPARATION	LS	1.00	\$968.00	\$968.00	1.00	\$968.00	\$0.00
6	TRAFFIC CONTROL	LS	1.00	\$9,810.00	\$9,810.00	1.00	\$9,810.00	\$0.00
7	EROSION CONTROL PLAN	LS	1.00	\$605.00	\$605.00	1.00	\$605.00	\$0.00
8	TEMPORARY EROSION CONTROL	LS	1.00	\$2,006.00	\$2,006.00	1.00	\$2,006.00	\$0.00
9	CONTROL (CORRUGATED PIPE &	EA	27.00	\$262.00	\$7,074.00	1.00	\$262.00	(\$6,812.00)
10	CONTROL (SILT FENCE)	LF	2,390.00	\$5.00	\$11,950.00	0.00	\$0.00	(\$11,950.00)
11	CONTROL (WATTLES, 12"	LF	1,952.00	\$8.00	\$15,616.00	1,180.00	\$9,440.00	(\$6,176.00)
12	SURFACING, 3/4" BASE COURSE	TON	75.00	\$16.00	\$1,200.00	75.00	\$1,200.00	\$0.00
13	EXCAVATION, ROCK	CY	1,000.00	\$1.21	\$1,210.00	0.00	\$0.00	(\$1,210.00)
14	(TRENCH)	CY	500.00	\$5.00	\$2,500.00	0.00	\$0.00	(\$2,500.00)
15	DIGOUTS WITH TYPE 4	CY	100.00	\$16.00	\$1,600.00	0.00	\$0.00	(\$1,600.00)
16	TYPE I BEDDING	TON	400.00	\$13.00	\$5,200.00	0.00	\$0.00	(\$5,200.00)
17	TYPE II FOUNDATION MATERIAL	TON	200.00	\$13.00	\$2,600.00	0.00	\$0.00	(\$2,600.00)
18	TYPE III FOUNDATION MATERIAL	TON	100.00	\$15.00	\$1,500.00	0.00	\$0.00	(\$1,500.00)
19	TYPE IV FOUNDATION MATERIAL	TON	100.00	\$16.00	\$1,600.00	0.00	\$0.00	(\$1,600.00)
20	BACKFILL MATERIAL (TRENCH)	CY	50.00	\$122.00	\$6,100.00	0.00	\$0.00	(\$6,100.00)
21	AASHTO T-180 SOIL TEST	EA	4.00	\$181.00	\$724.00	3.00	\$543.00	(\$181.00)
22	STORM SEWER	LF	4.00	\$13.00	\$52.00	4.00	\$52.00	\$0.00
23	AND BOX	EA	10.00	\$132.00	\$1,320.00	10.00	\$1,320.00	\$0.00
24	VALVE AND BOX	EA	7.00	\$142.00	\$994.00	7.00	\$994.00	\$0.00
25	REMOVE CURB STOP AND BOX	EA	1.00	\$132.00	\$132.00	1.00	\$132.00	\$0.00
26	PAN	SY	205.00	\$3.00	\$615.00	210.00	\$630.00	\$15.00
27	REMOVE PCC PANEL	SY	3,364.00	\$3.00	\$10,092.00	3,490.00	\$10,470.00	\$378.00
28	APPROACH PAVEMENT	SY	19.00	\$3.00	\$57.00	0.00	\$0.00	(\$57.00)

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
29	(INCLUDING TYPE B66, B68, P6, P8,	LF	1,077.00	\$3.00	\$3,231.00	1,273.00	\$3,819.00	\$588.00
30	AND EXPOSED AGGREGATE	SY	1,058.00	\$3.00	\$3,174.00	1,718.00	\$5,154.00	\$1,980.00
31	REMOVE ACC PAVEMENT	SY	185.00	\$3.00	\$555.00	185.00	\$555.00	\$0.00
32	REMOVE ACC SIDEWALK	SY	103.00	\$3.00	\$309.00	103.00	\$309.00	\$0.00
33	REMOVE ACC CURB AND GUTTER	LF	28.50	\$3.00	\$85.50	28.50	\$85.50	\$0.00
34	REMOVE TEMP GRAVEL SURFACE	SY	72.00	\$4.00	\$288.00	0.00	\$0.00	(\$288.00)
35	VALVE AND LEAD	EA	3.00	\$1,016.00	\$3,048.00	3.00	\$3,048.00	\$0.00
36	THROAT AND GUTTER	EA	8.00	\$3.00	\$24.00	9.00	\$27.00	\$3.00
37	CONTROL SIGN	EA	5.00	\$110.00	\$550.00	5.00	\$550.00	\$0.00
38	DIRECTIONAL DEVICE	EA	1.00	\$60.00	\$60.00	1.00	\$60.00	\$0.00
39	LOOPS AND WIRING	EA	6.00	\$1,665.00	\$9,990.00	6.00	\$9,990.00	\$0.00
40	MAIN AT BOOSTER PUMP STATION	EA	2.00	\$542.00	\$1,084.00	2.00	\$1,084.00	\$0.00
41	MAIN	EA	10.00	\$493.00	\$4,930.00	10.00	\$4,930.00	\$0.00
42	HYDRANT LEAD	EA	5.00	\$377.00	\$1,885.00	5.00	\$1,885.00	\$0.00
43	905, (DR 18)	LF	3,409.00	\$55.00	\$187,495.00	3,409.00	\$187,495.00	\$0.00
44	900, (DR 14)	LF	34.00	\$41.00	\$1,394.00	29.00	\$1,189.00	(\$205.00)
45	900, (DR 14)	LF	34.00	\$36.00	\$1,224.00	24.00	\$864.00	(\$360.00)
46	900, (DR 14)	LF	245.00	\$41.00	\$10,045.00	245.00	\$10,045.00	\$0.00
47	900, (DR 14)	LF	163.00	\$37.00	\$6,031.00	114.00	\$4,218.00	(\$1,813.00)
48	14" X 14" X 14" TEE	EA	4.00	\$1,497.00	\$5,988.00	5.00	\$7,485.00	\$1,497.00
49	14" X 12" X 14" TEE	EA	1.00	\$2,060.00	\$2,060.00	1.00	\$2,060.00	\$0.00
50	14" X 10" X 14" TEE	EA	1.00	\$1,315.00	\$1,315.00	1.00	\$1,315.00	\$0.00
51	14" X 8" X 14" TEE	EA	6.00	\$1,149.00	\$6,894.00	5.00	\$5,745.00	(\$1,149.00)
52	14" X 6" X 14" TEE	EA	6.00	\$1,082.00	\$6,492.00	6.00	\$6,492.00	\$0.00
53	8" X 6" X 8" TEE	EA	2.00	\$523.00	\$1,046.00	2.00	\$1,046.00	\$0.00
54	6" X 6" X 6" TEE	EA	1.00	\$453.00	\$453.00	1.00	\$453.00	\$0.00
55	14" X 12" REDUCER	EA	3.00	\$653.00	\$1,959.00	2.00	\$1,306.00	(\$653.00)
56	14" X 10" REDUCER	EA	2.00	\$647.00	\$1,294.00	2.00	\$1,294.00	\$0.00
57	14" X 6" REDUCER	EA	1.00	\$605.00	\$605.00	1.00	\$605.00	\$0.00
58	12" X 8" REDUCER	EA	1.00	\$437.00	\$437.00	1.00	\$437.00	\$0.00
59	8" X 6" REDUCER	EA	1.00	\$328.00	\$328.00	3.00	\$984.00	\$656.00
60	14" 90 DEGREE BEND	EA	5.00	\$971.00	\$4,855.00	5.00	\$4,855.00	\$0.00
61	14" 45 DEGREE BEND	EA	9.00	\$875.00	\$7,875.00	11.00	\$9,625.00	\$1,750.00
62	14" 22.5 DEGREE BEND	EA	2.00	\$880.00	\$1,760.00	2.00	\$1,760.00	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
63	14" HIGH DEFLECTION COUPLING	EA	2.00	\$1,110.00	\$2,220.00	2.00	\$2,220.00	\$0.00
64	10" 45 DEGREE BEND	EA	2.00	\$501.00	\$1,002.00	4.00	\$2,004.00	\$1,002.00
65	8" 45 DEGREE BEND	EA	3.00	\$347.00	\$1,041.00	8.00	\$2,776.00	\$1,735.00
66	6" 90 DEGREE BEND	EA	1.00	\$282.00	\$282.00	1.00	\$282.00	\$0.00
67	6" 45 DEGREE BEND	EA	3.00	\$263.00	\$789.00	5.00	\$1,315.00	\$526.00
68	14" GATE VALVE WITH BOX	EA	21.00	\$6,766.00	\$142,086.00	22.00	\$148,852.00	\$6,766.00
69	12" GATE VALVE WITH BOX	EA	1.00	\$2,670.00	\$2,670.00	1.00	\$2,670.00	\$0.00
70	10" GATE VALVE WITH BOX	EA	3.00	\$2,184.00	\$6,552.00	3.00	\$6,552.00	\$0.00
71	8" GATE VALVE WITH BOX	EA	4.00	\$1,496.00	\$5,984.00	3.00	\$4,488.00	(\$1,496.00)
72	8" MJ PLUG	EA	1.00	\$178.00	\$178.00	1.00	\$178.00	\$0.00
73	& BOX	EA	4.00	\$4,325.00	\$17,300.00	4.00	\$17,300.00	\$0.00
74	INCLUDING TWO (2) GROUND	EA	5.00	\$254.00	\$1,270.00	5.00	\$1,270.00	\$0.00
75	1" TAPPING SADDLE & CORP STOP	EA	5.00	\$245.00	\$1,225.00	5.00	\$1,225.00	\$0.00
76	1" CURB STOP AND BOX	EA	1.00	\$282.00	\$282.00	1.00	\$282.00	\$0.00
77	1" COPPER WATER SERVICE	LF	60.00	\$18.00	\$1,080.00	47.00	\$846.00	(\$234.00)
78	ENCASEMENT	LF	420.00	\$38.00	\$15,960.00	470.00	\$17,860.00	\$1,900.00
79	DETAIL 11-1, WITH SAND	SF	1,705.00	\$6.00	\$10,230.00	263.00	\$1,578.00	(\$8,652.00)
80	BORE	LF	35.00	\$665.00	\$23,275.00	35.00	\$23,275.00	\$0.00
81	PIPE CASING AND BORE	LS	1.00	\$1,533.00	\$1,533.00	1.00	\$1,533.00	\$0.00
82	PIPE CASING AND BORE	EA	2.00	\$278.00	\$556.00	2.00	\$556.00	\$0.00
83	BORE	LF	70.00	\$604.00	\$42,280.00	70.00	\$42,280.00	\$0.00
84	PIPE CASING AND BORE	LS	1.00	\$2,224.00	\$2,224.00	1.00	\$2,224.00	\$0.00
85	PIPE CASING AND BORE	EA	4.00	\$378.00	\$1,512.00	4.00	\$1,512.00	\$0.00
86	CONTINUITY TESTING AND	LS	1.00	\$711.00	\$711.00	1.00	\$711.00	\$0.00
87	STATION, COMPLETE	EA	10.00	\$364.00	\$3,640.00	9.00	\$3,276.00	(\$364.00)
88	ZINC GALVANIC ANODE (60-LB)	EA	6.00	\$403.00	\$2,418.00	6.00	\$2,418.00	\$0.00
89	ZINC GALVANIC ANODE (18-LB)	EA	186.00	\$293.00	\$54,498.00	188.00	\$55,084.00	\$586.00
90	REINFORCED, PANNEL	SY	3,412.00	\$58.00	\$197,896.00	3,538.00	\$205,204.00	\$7,308.00
91	PCC PAVEMENT, SPALL REPAIR	SF	12.00	\$86.00	\$1,032.00	42.00	\$3,612.00	\$2,580.00
92	DEFORMED TIE BARS	EA	1,510.00	\$8.00	\$12,080.00	1,816.00	\$14,528.00	\$2,448.00
93	DEFORMED TIE BARS	EA	100.00	\$14.00	\$1,400.00	7.00	\$98.00	(\$1,302.00)
94	SMOOTH ROUND DOWEL	EA	2,570.00	\$10.00	\$25,700.00	2,517.00	\$25,170.00	(\$530.00)
95	ROUND DOWEL	EA	120.00	\$9.00	\$1,080.00	77.00	\$693.00	(\$387.00)
96	TYPE 1, PG64-28	TON	68.00	\$170.00	\$11,560.00	65.50	\$11,135.00	(\$425.00)

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
97	AGGREGATE BASE COURSE	TON	735.00	\$16.00	\$11,760.00	1,544.00	\$24,704.00	\$12,944.00
98	GEOTEXTILE FABRIC	SY	3,412.00	\$4.00	\$13,648.00	1,140.00	\$4,560.00	(\$9,088.00)
99	PAVEMENT, 6" NON-REINFORCED	SY	2.00	\$64.00	\$128.00	0.00	\$0.00	(\$128.00)
100	NON-REINFORCED	SY	8.00	\$57.00	\$456.00	0.00	\$0.00	(\$456.00)
101	TYPE B68 CURB AND GUTTER	LF	1,110.50	\$16.00	\$17,768.00	1,306.00	\$20,896.00	\$3,128.00
102	TYPE P8 GUTTER	LF	5.00	\$16.00	\$80.00	0.00	\$0.00	(\$80.00)
103	REINFORCED	SY	211.00	\$69.00	\$14,559.00	215.00	\$14,835.00	\$276.00
104	NONREINFORCED	SF	11,042.00	\$5.00	\$55,210.00	16,990.00	\$84,950.00	\$29,740.00
105	GRAVEL DRIVEWAY, 5" THICK	SY	45.00	\$5.00	\$225.00	0.00	\$0.00	(\$225.00)
106	MARKING, 12"	LF	140.00	\$2.00	\$280.00	311.00	\$622.00	\$342.00
107	MARKING, 24"	LF	80.00	\$3.00	\$240.00	218.00	\$654.00	\$414.00
108	REMOVAL	LF	110.00	\$2.00	\$220.00	184.00	\$368.00	\$148.00
109	REMOVAL	LF	104.00	\$2.00	\$208.00	138.00	\$276.00	\$68.00
110	COLD PLAST. MARKING, 12"	LF	250.00	\$12.00	\$3,000.00	311.00	\$3,732.00	\$732.00
111	COLD PLAST. MARKING, 24"	LF	184.00	\$24.00	\$4,416.00	218.00	\$5,232.00	\$816.00
112	DETECTABLE WARNING PANNEL	SF	40.00	\$38.00	\$1,520.00	114.00	\$4,332.00	\$2,812.00
113	FOOT	EA	1.00	\$3,704.00	\$3,704.00	1.00	\$3,704.00	\$0.00
114	TYPE "E" INLET THROAT AND	EA	8.00	\$574.00	\$4,592.00	9.00	\$5,166.00	\$574.00
115	(INCLUDING 1" INCORPORATED	CY	835.00	\$5.00	\$4,175.00	200.00	\$1,000.00	(\$3,175.00)
116	SODDING	SY	6,000.00	\$8.00	\$48,000.00	5,650.00	\$45,200.00	(\$2,800.00)
117	STREET MAINTENANCE	LS	1.00	\$1,678.00	\$1,678.00	1.00	\$1,678.00	\$0.00
118	PAVEMENT PATCH UNDERCUT	CY	965.00	\$5.00	\$4,825.00	965.00	\$4,825.00	\$0.00
119	CONSTRUCTION SEQUENCING	LS	1.00	\$1,311.00	\$1,311.00	1.00	\$1,311.00	\$0.00
120	6" GATE VALVE WITH BOX	EA	1.00	\$1,104.00	\$1,104.00	1.00	\$1,104.00	\$0.00
121	12" REPAIR COUPLING	EA	0.00	\$356.00	\$0.00	1.00	\$356.00	\$356.00
122	8" REPAIR COUPLING	EA	0.00	\$288.00	\$0.00	1.00	\$288.00	\$288.00
123	6" REPAIR COUPLING	EA	0.00	\$255.00	\$0.00	1.00	\$255.00	\$255.00
124	14" MJ CAP	EA	0.00	\$540.00	\$0.00	1.00	\$540.00	\$540.00
125	10" MJ CAP	EA	0.00	\$227.00	\$0.00	1.00	\$227.00	\$227.00
126	12" MJ CAP	EA	0.00	\$385.00	\$0.00	1.00	\$385.00	\$385.00
127	12' X 45 DEGREE BEND	EA	0.00	\$702.00	\$0.00	4.00	\$2,808.00	\$2,808.00
128	16" X 14" REDUCER	EA	0.00	\$1,240.00	\$0.00	1.00	\$1,240.00	\$1,240.00
129	PANEL JACKING	LS	0.00	\$1,580.00	\$0.00	1.00	\$1,580.00	\$1,580.00
130	SEEDING AND MULCHING	SY	0.00	\$1.46	\$0.00	4,280.00	\$6,248.80	\$6,248.80

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
131	48" RCP REPAIR	LS	0.00	\$1,395.81	\$0.00	1.00	\$1,395.81	\$1,395.81
132	SPARE PARTS TO CITY	LS	0.00	\$3,336.45	\$0.00	1.00	\$3,336.45	\$3,336.45
TOTAL					\$1,260,430.50		\$1,281,506.56	\$21,076.06

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$1,260,430.50
CCO #1F	\$21,076.06	NET INCREASE/(DECREASE):	\$21,076.06
	\$0.00	ADJUSTED CONTRACT PRICE:	\$1,281,506.56
	\$0.00	CHANGE TO DATE:	\$21,076.06

Jim Stambaugh _____ DATE 10/12/11

CONTRACTOR: RCS CONSTRUCTION, PO BOX 9337, RAPID CITY, SD 57709 - 342-3787

Harpland _____ DATE 10/6/11

PROJECT MANAGER: KLARE SCHROEDER, P.E.

Dale Tech _____ DATE 10-7-11

CITY ENGINEER: DALE TECH, P.E. / L.S.

MAYOR: SAM KOOIKER _____ DATE

FINANCE: PAULINE SUMPTION _____ DATE

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

City Staff recommends approval of this Change Order #1F to RCS Construction for an increase of \$21,076.06 based on unit pricing with the following appropriation:

Initial Funding	\$1,135,430.50	\$125,000.00				\$1,260,430.50
Fund Type	Water	STCM Streets				
Department	0933	0301				
Line Item	4381	4370				
Fund	0602	0101				
CCO #1F	\$16,460.00	\$4,616.06				\$21,076.06
Adjusted Funding	\$1,151,890.50	\$129,616.06			\$1,281,506.56	\$1,281,506.56

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F
CORRAL DRIVE AND SHERIDAN LAKE ROAD, WATER MAIN RECONSTRUCTION PROJECT
PROJECT NO. W10-1882 / CIP NO. 50816
SEPTEMBER 21, 2011
ORIGINAL CONTRACT AMOUNT: \$1,260,430.50
CONTRACTOR: R.C.S. CONSTRUCTION, INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
9	CONSTRUCTION EROSION CONTR	Quantities required to complete the project.
10	CONSTRUCTION EROSION CONTR	None used.
11	CONSTRUCTION EROSION CONTR	Quantities required to complete the project.
13	EXCAVATION, ROCK	None used.
14	IMPORTED BACKFILL MATERIAL (TR	None used.
15	UNCLASSIFIED EXCAVATION - DIG	None used.
16	TYPE I BEDDING	None used.
17	TYPE II FOUNDATION MATERIAL	None used.
18	TYPE III FOUNDATION MATERIAL	None used.
19	TYPE IV FOUNDATION MATERIAL	None used.
20	CONTROLLED LOW STRENGTH BAC	None used.
21	AASHTO T-180 SOIL TEST	Quantities required to complete the project.
26	REMOVE CONCRETE FILLET AND PA	Quantities required to complete the project.
27	REMOVE PCC PANEL	Quantities required to complete the project.
28	REMOVE PCC DRIVEWAY AND APPP	Quantities required to complete the project.
29	REMOVE CURB AND GUTTER (INCL	Quantities required to complete the project.
30	REMOVE CONCRETE SIDEWALK AN	Had to remove more exposed aggregate to bulid the curb and gutter on Sheridan Lake Rd.
34	REMOVE TEMP GRAVEL SURFACE	None used.
36	REMOVE 10' TYPE "E" INLET THROA	Quantities required to complete the project.
44	12" PVC WATER MAIN, AWWA C-900	Quantities required to complete the project.
45	10" PVC WATER MAIN, AWWA C-900	Quantities required to complete the project.
47	6" PVC WATER MAIN, AWWA C-900,	Quantities required to complete the project.
48	14" X 14" X 14" TEE	Quantities required to complete the project.
51	14" X 8" X 14" TEE	Quantities required to complete the project.
55	14" X 12" REDUCER	Quantities required to complete the project.
59	8" X 6" REDUCER	Quantities required to complete the project.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
61	14" 45 DEGREE BEND	Quantities required to complete the project.
64	10" 45 DEGREE BEND	Quantities required to complete the project.
65	8" 45 DEGREE BEND	Existing water mains were deep and needed fittings to tie in.
67	6" 45 DEGREE BEND	Quantities required to complete the project.
68	14" GATE VALVE WITH BOX	Quantities required to complete the project.
71	8" GATE VALVE WITH BOX	Quantities required to complete the project.
77	1" COPPER WATER SERVICE	Quantities required to complete the project.
78	WATER MAIN CONCRETE ENCASEM	Quantities required to complete the project.
79	WATER MAIN INSULATE (STD DETAI	Quantities required to complete the project.
87	CATHODIC PROTECTION TEST STA	Quantities required to complete the project.
89	ZINC GALVANIC ANODE (18-LB)	Quantities required to complete the project.
90	PCC PAVEMENT, 8" NON-REINFORC	Quantities required to complete the project.
91	PCC PAVEMENT, SPALL REPAIR	Quantities required to complete the project.
92	#5X24" EPOXY COATED DEFORMED	Quantities required to complete the project.
93	#10X18" EPOXY COATED DEFORME	Quantities required to complete the project.
94	1 1/4"X18" EPOXY COATED SMOOTH	Quantities required to complete the project.
95	#5X24" EPOXY COATED SMOOTH RC	Quantities required to complete the project.
96	ASPHALT CONCRETE, CLASS G, TY	Quantities required to complete the project.
97	AGGREGATE BASE COURSE	Quantities required to complete the project.
98	GEOTEXTILE FABRIC	Quantities required to complete the project.
99	PCC DRIVEWAY APPROACH PAVEM	None used.
100	PCC DRIVEWAY PAVEMENT, 6" NON	None used.
101	TYPE B68 CURB AND GUTTER	Quantities required to complete the project.
102	TYPE P8 GUTTER	None used.
103	CONCRETE FILLET AND PAN, 8" REI	Quantities required to complete the project.
104	CONCRETE SIDEWALK, 4" NONREIN	Had to remove sidewalk to build curb and gutter on Sheridan Lake Rd.
105	GRAVEL DRIVEWAY, 5" THICK	
106	GROOVE FOR COLD PLAST. MARKI	Quantities required to complete the project.
107	GROOVE FOR COLD PLAST. MARKI	Quantities required to complete the project.
108	COLD PLAST. MARKING 12" REMOVA	Quantities required to complete the project.
109	COLD PLAST. MARKING 24" REMOVA	Quantities required to complete the project.
110	COLD PLAST. MARKING, 12"	Quantities required to complete the project.
111	COLD PLAST. MARKING, 24"	Quantities required to complete the project.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
112	DETECTABLE WARNING PANNEL	Quantities required to complete the project.
114	RE-CONSTRUCT EXISTING 10' TYPE	Quantities required to complete the project.
115	TOPSOIL, PLACE 5" THICK (INCLUDI	Quantities required to complete the project.
116	SODDING	Quantities required to complete the project.
121	12" REPAIR COUPLING	Wrong size of pipe on plans.
122	8" REPAIR COUPLING	Needed coupling to tie into existing line.
123	6" REPAIR COUPLING	Needed coupling to tie into existing line.
124	14" MJ CAP	Needed to keep line in service while laying pipe.
125	10" MJ CAP	Needed to keep line in service while laying pipe.
126	12" MJ CAP	Needed to keep line in service while laying pipe.
127	12' X 45 DEGREE BEND	Needed one to tie in existing pipe.
128	16" X 14" REDUCER	Wrong size of pipe on drawings.
129	PANEL JACKING	Experimental to level 2 slabs up at Corral Drive.
130	SEEDING AND MULCHING	None was called for on plans, needed to stabize.
131	48" RCP REPAIR	Pipe was broken and at wrong grade, had to fix.
132	SPARE PARTS TO CITY	Water maintenance requested purchase of left over material.

PREPARED BY: KLARE SCHROEDER, P.E.

DATE:

		Water		STCM Streets		
		0933		0301		
		4381		4370		
		0602		0101		
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT	AMOUNT	PERCENT	
1	MOBILIZATION	0.00	100%	0.00	0%	100%
2	BORING MOBILIZATION	0.00	100%	0.00	0%	100%
3	INCIDENTAL WORK	0.00	100%	0.00	0%	100%
4	CONSTRUCTION STAKING	0.00	100%	0.00	0%	100%
5	TRAFFIC CONTROL PLAN PREPAR	0.00	100%	0.00	0%	100%
6	TRAFFIC CONTROL	0.00	100%	0.00	0%	100%
7	EROSION CONTROL PLAN	0.00	100%	0.00	0%	100%
8	TEMPORARY EROSION CONTROL	0.00	100%	0.00	0%	100%
9	CONSTRUCTION EROSION CONTF	-6,812.00	100%	0.00	0%	100%
10	CONSTRUCTION EROSION CONTF	-11,950.00	100%	0.00	0%	100%
11	CONSTRUCTION EROSION CONTF	-6,176.00	100%	0.00	0%	100%
12	TEMPORARY GRAVEL SURFACING	0.00	100%	0.00	0%	100%
13	EXCAVATION, ROCK	-1,210.00	100%	0.00	0%	100%
14	IMPORTED BACKFILL MATERIAL (T	-2,500.00	100%	0.00	0%	100%
15	UNCLASSIFIED EXCAVATION - DIG	-1,600.00	100%	0.00	0%	100%
16	TYPE I BEDDING	-5,200.00	100%	0.00	0%	100%
17	TYPE II FOUNDATION MATERIAL	-2,600.00	100%	0.00	0%	100%
18	TYPE III FOUNDATION MATERIAL	-1,500.00	100%	0.00	0%	100%
19	TYPE IV FOUNDATION MATERIAL	-1,600.00	100%	0.00	0%	100%
20	CONTROLLED LOW STRENGTH BA	-6,100.00	100%	0.00	0%	100%
21	AASHTO T-180 SOIL TEST	-181.00	100%	0.00	0%	100%
22	SAWCUT AND REMOVE RCP STOP	0.00	100%	0.00	0%	100%
23	REMOVE EXISTING WATER VALVE	0.00	100%	0.00	0%	100%
24	ABANDON EXISTING WATER VALV	0.00	100%	0.00	0%	100%
25	REMOVE CURB STOP AND BOX	0.00	100%	0.00	0%	100%
26	REMOVE CONCRETE FILLET AND	15.00	100%	0.00	0%	100%
27	REMOVE PCC PANEL	378.00	100%	0.00	0%	100%
28	REMOVE PCC DRIVEWAY AND API	-57.00	100%	0.00	0%	100%
29	REMOVE CURB AND GUTTER (INC	588.00	100%	0.00	0%	100%

30	REMOVE CONCRETE SIDEWALK A	1,980.00	100%	0.00	0%	100%
31	REMOVE ACC PAVEMENT	0.00	100%	0.00	0%	100%
32	REMOVE ACC SIDEWALK	0.00	100%	0.00	0%	100%
33	REMOVE ACC CURB AND GUTTER	0.00	100%	0.00	0%	100%
34	REMOVE TEMP GRAVEL SURFACE	-288.00	100%	0.00	0%	100%
35	REMOVE FIRE HYDRANT AUX. VAL	0.00	100%	0.00	0%	100%
36	REMOVE 10' TYPE "E" INLET THRO	3.00	100%	0.00	0%	100%
37	REMOVE AND RE-SET TRAFFIC CO	0.00	100%	0.00	0%	100%
38	REMOVE AND RE-SET TRAFFIC DI	0.00	100%	0.00	0%	100%
39	REMOVE AND RE-SET DETECTOR	0.00	100%	0.00	0%	100%
40	CONNECT TO EXISTNG WATER M	0.00	100%	0.00	0%	100%
41	CONNECT TO EXISTING WATER M	0.00	100%	0.00	0%	100%
42	CONNECT TO EXISTING FIRE HYD	0.00	100%	0.00	0%	100%
43	14" PVC WATER MAIN, AWWA C-90	0.00	100%	0.00	0%	100%
44	12" PVC WATER MAIN, AWWA C-90	-205.00	100%	0.00	0%	100%
45	10" PVC WATER MAIN, AWWA C-90	-360.00	100%	0.00	0%	100%
46	8" PVC WATER MAIN, AWWA C-900	0.00	100%	0.00	0%	100%
47	6" PVC WATER MAIN, AWWA C-900	-1,813.00	100%	0.00	0%	100%
48	14" X 14" X 14" TEE	1,497.00	100%	0.00	0%	100%
49	14" X 12" X 14" TEE	0.00	100%	0.00	0%	100%
50	14" X 10" X 14" TEE	0.00	100%	0.00	0%	100%
51	14" X 8" X 14" TEE	-1,149.00	100%	0.00	0%	100%
52	14" X 6" X 14" TEE	0.00	100%	0.00	0%	100%
53	8" X 6" X 8" TEE	0.00	100%	0.00	0%	100%
54	6" X 6" X 6" TEE	0.00	100%	0.00	0%	100%
55	14" X 12" REDUCER	-653.00	100%	0.00	0%	100%
56	14" X 10" REDUCER	0.00	100%	0.00	0%	100%
57	14" X 6" REDUCER	0.00	100%	0.00	0%	100%
58	12" X 8" REDUCER	0.00	100%	0.00	0%	100%
59	8" X 6" REDUCER	656.00	100%	0.00	0%	100%
60	14" 90 DEGREE BEND	0.00	100%	0.00	0%	100%
61	14" 45 DEGREE BEND	1,750.00	100%	0.00	0%	100%
62	14" 22.5 DEGREE BEND	0.00	100%	0.00	0%	100%
63	14" HIGH DEFLECTION COUPLING	0.00	100%	0.00	0%	100%
64	10" 45 DEGREE BEND	1,002.00	100%	0.00	0%	100%
65	8" 45 DEGREE BEND	1,735.00	100%	0.00	0%	100%
66	6" 90 DEGREE BEND	0.00	100%	0.00	0%	100%

67	6" 45 DEGREE BEND	526.00	100%	0.00	0%	100%
68	14" GATE VALVE WITH BOX	6,766.00	100%	0.00	0%	100%
69	12" GATE VALVE WITH BOX	0.00	100%	0.00	0%	100%
70	10" GATE VALVE WITH BOX	0.00	100%	0.00	0%	100%
71	8" GATE VALVE WITH BOX	-1,496.00	100%	0.00	0%	100%
72	8" MJ PLUG	0.00	100%	0.00	0%	100%
73	FIRE HYDRANT WITH AUX. VALVE	0.00	100%	0.00	0%	100%
74	WATER SERVICE RECONNECTION	0.00	100%	0.00	0%	100%
75	1" TAPPING SADDLE & CORP STOP	0.00	100%	0.00	0%	100%
76	1" CURB STOP AND BOX	0.00	100%	0.00	0%	100%
77	1" COPPER WATER SERVICE	-234.00	100%	0.00	0%	100%
78	WATER MAIN CONCRETE ENCASE	1,900.00	100%	0.00	0%	100%
79	WATER MAIN INSULATE (STD DET	-8,652.00	100%	0.00	0%	100%
80	30" STEEL PIPE CASING AND BOR	0.00	100%	0.00	0%	100%
81	CASING SPACERS FOR 30" STEEL	0.00	100%	0.00	0%	100%
82	CASING SEALS FOR 30" STEEL PIP	0.00	100%	0.00	0%	100%
83	20" STEEL PIPE CASING AND BOR	0.00	100%	0.00	0%	100%
84	CASING SPACERS FOR 20" STEEL	0.00	100%	0.00	0%	100%
85	CASING SEALS FOR 20" STEEL PIP	0.00	100%	0.00	0%	100%
86	CATHODIC PROTECTION CONTINU	0.00	100%	0.00	0%	100%
87	CATHODIC PROTECTION TEST ST	-364.00	100%	0.00	0%	100%
88	ZINC GALVANIC ANODE (60-LB)	0.00	100%	0.00	0%	100%
89	ZINC GALVANIC ANODE (18-LB)	586.00	100%	0.00	0%	100%
90	PCC PAVEMENT, 8" NON-REINFOR	2,691.94	37%	4,616.06	63%	100%
91	PCC PAVEMENT, SPALL REPAIR	2,580.00	100%	0.00	0%	100%
92	#5X24" EPOXY COATED DEFORME	2,448.00	100%	0.00	0%	100%
93	#10X18" EPOXY COATED DEFORM	-1,302.00	100%	0.00	0%	100%
94	1 1/4"X18" EPOXY COATED SMOOT	-530.00	100%	0.00	0%	100%
95	#5X24" EPOXY COATED SMOOTH	-387.00	100%	0.00	0%	100%
96	ASPHALT CONCRETE, CLASS G, T	-425.00	100%	0.00	0%	100%
97	AGGREGATE BASE COURSE	12,944.00	100%	0.00	0%	100%
98	GEOTEXTILE FABRIC	-9,088.00	100%	0.00	0%	100%
99	PCC DRIVEWAY APPROACH PAVE	-128.00	100%	0.00	0%	100%
100	PCC DRIVEWAY PAVEMENT, 6" NC	-456.00	100%	0.00	0%	100%
101	TYPE B68 CURB AND GUTTER	3,128.00	100%	0.00	0%	100%
102	TYPE P8 GUTTER	-80.00	100%	0.00	0%	100%
103	CONCRETE FILLET AND PAN, 8" R	276.00	100%	0.00	0%	100%

104	CONCRETE SIDEWALK, 4" NONRE	29,740.00	100%	0.00	0%	100%
105	GRAVEL DRIVEWAY, 5" THICK	-225.00	100%	0.00	0%	100%
106	GROOVE FOR COLD PLAST. MARK	342.00	100%	0.00	0%	100%
107	GROOVE FOR COLD PLAST. MARK	414.00	100%	0.00	0%	100%
108	COLD PLAST. MARKING 12" REMO	148.00	100%	0.00	0%	100%
109	COLD PLAST. MARKING 24" REMO	68.00	100%	0.00	0%	100%
110	COLD PLAST. MARKING, 12"	732.00	100%	0.00	0%	100%
111	COLD PLAST. MARKING, 24"	816.00	100%	0.00	0%	100%
112	DETECTABLE WARNING PANNEL	2,812.00	100%	0.00	0%	100%
113	STANDARD TYPE "E" INLET, 10-FO	0.00	100%	0.00	0%	100%
114	RE-CONSTRUCT EXISTING 10' TYP	574.00	100%	0.00	0%	100%
115	TOPSOIL, PLACE 5" THICK (INCLU	-3,175.00	100%	0.00	0%	100%
116	SODDING	-2,800.00	100%	0.00	0%	100%
117	STREET MAINTENANCE	0.00	100%	0.00	0%	100%
118	PAVEMENT PATCH UNDERCUT	0.00	100%	0.00	0%	100%
119	CONSTRUCTION SEQUENCING	0.00	100%	0.00	0%	100%
120	6" GATE VALVE WITH BOX	0.00	100%	0.00	0%	100%
121	12" REPAIR COUPLING	356.00	100%	0.00	0%	100%
122	8" REPAIR COUPLING	288.00	100%	0.00	0%	100%
123	6" REPAIR COUPLING	255.00	100%	0.00	0%	100%
124	14" MJ CAP	540.00	100%	0.00	0%	100%
125	10" MJ CAP	227.00	100%	0.00	0%	100%
126	12" MJ CAP	385.00	100%	0.00	0%	100%
127	12' X 45 DEGREE BEND	2,808.00	100%	0.00	0%	100%
128	16" X 14" REDUCER	1,240.00	100%	0.00	0%	100%
129	PANEL JACKING	1,580.00	100%	0.00	0%	100%
130	SEEDING AND MULCHING	6,248.80	100%	0.00	0%	100%
131	48" RCP REPAIR	1,395.81	100%	0.00	0%	100%
132	SPARE PARTS TO CITY	3,336.45	100%	0.00	0%	100%
		\$16,460.00		\$4,616.06		