

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1
E. St. Francis Street, E. St. Anne Street, and Birch Ave. Street Reconstruction Project, Phase Two Project Three
PROJECT NO. ST09 - 1823 / CIP NO. 50424

AUGUST 2, 2010

ORIGINAL CONTRACT AMOUNT: \$1,498,400.00
CONTRACTOR: MAINLINE CONTRACTING, INC.

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	MOBILIZATION	LS	1.00	\$145,200.00	\$145,200.00	1.00	\$145,200.00	\$0.00
2	INCIDENTAL WORK	LS	1.00	\$133,959.47	\$133,959.47	1.00	\$133,959.47	\$0.00
3	CONSTRUCTION STAKING	LS	1.00	\$18,750.00	\$18,750.00	1.00	\$18,750.00	\$0.00
4	TRAFFIC CONTROL PLAN PREPARATION	LS	1.00	\$650.00	\$650.00	1.00	\$650.00	\$0.00
5	TRAFFIC CONTROL	LS	1.00	\$3,000.00	\$3,000.00	1.00	\$3,000.00	\$0.00
6	EROSION CONTROL PLAN PREPARATION	LS	1.00	\$550.00	\$550.00	1.00	\$550.00	\$0.00
7	TEMPORARY EROSION CONTROL	LS	1.00	\$5,800.00	\$5,800.00	1.00	\$5,800.00	\$0.00
8	CONSTRUCTION EROSION CONTROL	LS	1.00	\$2,800.00	\$2,800.00	1.00	\$2,800.00	\$0.00
9	TEMPORARY GRAVEL SURFACING, 3/4" BASE COURSE	TON	350.00	\$13.65	\$4,777.50	350.00	\$4,777.50	\$0.00
10	UNCLASSIFIED EXCAVATION	CY	2,956.00	\$13.75	\$40,645.00	2,956.00	\$40,645.00	\$0.00
11	EXCAVATION, UNDERCUT	CY	200.00	\$5.00	\$1,000.00	200.00	\$1,000.00	\$0.00
12	UNCLASSIFIED EXCAVATION - DIGOUTS WITH TYPE 4 FOUNDATION MATERIAL	CY	100.00	\$29.00	\$2,900.00	100.00	\$2,900.00	\$0.00
13	TYPE I BEDDING	TON	250.00	\$11.50	\$2,875.00	250.00	\$2,875.00	\$0.00
14	TYPE II FOUNDATION MATERIAL	TON	250.00	\$20.25	\$5,062.50	250.00	\$5,062.50	\$0.00
15	TYPE III FOUNDATION MATERIAL	TON	100.00	\$21.75	\$2,175.00	100.00	\$2,175.00	\$0.00
16	TYPE IV FOUNDATION MATERIAL	TON	100.00	\$24.00	\$2,400.00	100.00	\$2,400.00	\$0.00
17	CONTROLLED LOW STRENGTH BACKFILL MATERIAL	CY	20.00	\$100.00	\$2,000.00	20.00	\$2,000.00	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
18	AASHTO T-180 SOIL TEST	EA	5.00	\$140.00	\$700.00	5.00	\$700.00	\$0.00
19	CLEARING & GRUBBING, TREES	EA	22.00	\$340.00	\$7,480.00	22.00	\$7,480.00	\$0.00
20	CLEARING & GRUBBING, STUMPS	EA	3.00	\$100.00	\$300.00	10.00	\$1,000.00	\$700.00
21	CLEARING & GRUBBING	1.00	1.00	\$1,350.00	\$1,350.00	1.00	\$1,350.00	\$0.00
22	REMOVE SANITARY SEWER MANHOLE	EA	10.00	\$300.00	\$3,000.00	10.00	\$3,000.00	\$0.00
23	SAWING ASPHALT PAVEMENT	LF	125.00	\$2.00	\$250.00	125.00	\$250.00	\$0.00
24	MILL AND REMOVE ASPHALT CONCRETE PAVEMENT FULL DEPTH	SY	9,388.00	\$2.75	\$25,817.00	9,414.00	\$25,888.50	\$71.50
25	DELIVER EXCESS ASPHALT MILLINGS TO RAPID CITY MUNICIPAL LANDFILL	TON	975.00	\$3.40	\$3,315.00	975.00	\$3,315.00	\$0.00
26	REMOVE CONCRETE DRIVEWAY AND APPROACH PAVEMENT	SY	1,195.00	\$2.60	\$3,107.00	1,195.00	\$3,107.00	\$0.00
27	REMOVE ASPHALT DRIVEWAY AND APPROACH PAVEMENT	SY	493.00	\$2.60	\$1,281.80	493.00	\$1,281.80	\$0.00
28	REMOVE CONCRETE CURB AND GUTTER, MONOLITHIC, BL & "P"-GUTTER	LF	3,602.00	\$1.00	\$3,602.00	3,602.00	\$3,602.00	\$0.00
29	REMOVE ASPHALT GUTTER	LF	305.00	\$1.00	\$305.00	305.00	\$305.00	\$0.00
30	REMOVE CONCRETE SIDEWALK	SY	2,494.00	\$2.20	\$5,486.80	2,494.00	\$5,486.80	\$0.00
31	REMOVE ASPHALT SIDEWALK	SY	237.00	\$2.25	\$533.25	237.00	\$533.25	\$0.00
32	REMOVE GRAVEL DRIVEWAY	SY	382.00	\$0.50	\$191.00	382.00	\$191.00	\$0.00
33	REMOVE CONCRETE FILLET	SY	81.00	\$3.00	\$243.00	96.10	\$288.30	\$45.30
34	REMOVE CONCRETE PAN, 6' WIDE	SY	56.00	\$3.00	\$168.00	62.00	\$186.00	\$18.00
35	REMOVE CONCRETE DRAINAGE PAN, VARIABLE WIDTH	SY	4.00	\$10.00	\$40.00	4.00	\$40.00	\$0.00
36	REMOVE WATER VALVE AND BOX	EA	5.00	\$75.00	\$375.00	5.00	\$375.00	\$0.00
37	REMOVE FIRE HYDRANT AND LEAD	EA	4.00	\$285.00	\$1,140.00	4.00	\$1,140.00	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
38	REMOVE AND RESET CHAIN LINK FENCE W/ 10" DIA. CONCRETE FOOTING 10' O.C.	LF	385.00	\$16.00	\$6,160.00	385.00	\$6,160.00	\$0.00
39	REMOVE AND RESET WOOD SLAT PRIVACY FENCE	LF	55.00	\$21.00	\$1,155.00	55.00	\$1,155.00	\$0.00
40	COORDINATE AND REMOVE EXISTING LIGHT POLE	EA	2.00	\$100.00	\$200.00	2.00	\$200.00	\$0.00
41	BYPASS PUMPING	LS	1.00	\$4,000.00	\$4,000.00	1.00	\$4,000.00	\$0.00
42	CONNECT TO EXISTING SEWER MAIN	EA	2.00	\$685.00	\$1,370.00	2.00	\$1,370.00	\$0.00
43	STANDARD MANHOLE, 48" DIA (0'-6')	EA	9.00	\$2,050.00	\$18,450.00	9.00	\$18,450.00	\$0.00
44	TERMINATION MANHOLE, 48" DIA (0'-6')	EA	3.00	\$1,960.00	\$5,880.00	3.00	\$5,880.00	\$0.00
45	EXTRA MANHOLE DEPTH, 48" DIA	VF	43.09	\$140.00	\$6,032.60	43.09	\$6,032.60	\$0.00
46	SANITARY SEWER SERVICE RECONNECTION	EA	68.00	\$385.00	\$26,180.00	68.00	\$26,180.00	\$0.00
47	4" SANITARY SEWER SERVICE	LF	2,920.00	\$12.00	\$35,040.00	2,920.00	\$35,040.00	\$0.00
48	4" SANITARY SEWER SERVICE CLEAN OUT	EA	66.00	\$110.00	\$7,260.00	66.00	\$7,260.00	\$0.00
49	8" PVC SEWER MAIN, SDR-35 (8'-10')	LF	976.00	\$20.30	\$19,812.80	976.00	\$19,812.80	\$0.00
50	8" PVC SEWER MAIN, SDR-35 (10'-12')	LF	1,233.50	\$21.25	\$26,211.88	1,233.50	\$26,211.88	\$0.00
51	8" PVC SEWER MAIN, SDR-35 (12'-14')	LF	35.00	\$22.25	\$778.75	35.00	\$778.75	\$0.00
52	8" PVC SEWER MAIN, SDR-35 (14'-16')	LF	133.00	\$23.50	\$3,125.50	133.00	\$3,125.50	\$0.00
53	6" PVC SLOTTED DRAIN WITH SOCK	LF	2,435.00	\$4.50	\$10,957.50	2,435.00	\$10,957.50	\$0.00
54	6" PVC SLOTTED DRAIN TEE	EA	3.00	\$45.00	\$135.00	3.00	\$135.00	\$0.00
55	6-INCH SOLID UNDERDRAIN CLEANOUT (COMPLETE)	EA	12.00	\$235.00	\$2,820.00	12.00	\$2,820.00	\$0.00
56	UNDERDRAIN CLEANOUT CASTING AND CONCRETE COLLAR	EA	12.00	\$275.00	\$3,300.00	12.00	\$3,300.00	\$0.00
57	CONNECT TO EXISTING WATER MAIN	EA	6.00	\$1,025.00	\$6,150.00	6.00	\$6,150.00	\$0.00

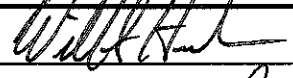
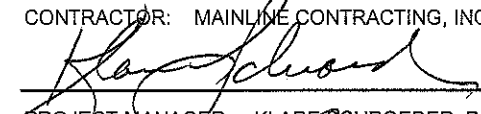
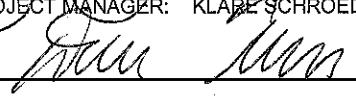
LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
58	8" PVC WATER MAIN, AWWA C-900, (DR 18)	LF	151.00	\$25.10	\$3,790.10	151.00	\$3,790.10	\$0.00
59	6" PVC WATER MAIN, AWWA C-900, (DR 18)	LF	17.00	\$25.25	\$429.25	17.00	\$429.25	\$0.00
60	8" X 6" X 8" TEE	EA	2.00	\$510.00	\$1,020.00	2.00	\$1,020.00	\$0.00
61	8" 22.5 DEGREE BEND WITH THRUST BLOCK	EA	4.00	\$520.00	\$2,080.00	4.00	\$2,080.00	\$0.00
62	8" 45 DEGREE BEND WITH THRUST BLOCK	EA	1.00	\$600.00	\$600.00	1.00	\$600.00	\$0.00
63	8" X 6" REDUCER	EA	3.00	\$500.00	\$1,500.00	3.00	\$1,500.00	\$0.00
64	FIRE HYDRANT WITH AUX. VALVE, BOX AND LEAD	EA	4.00	\$3,375.00	\$13,500.00	4.00	\$13,500.00	\$0.00
65	WATER SERVICE RECONNECTION	EA	38.00	\$260.00	\$9,880.00	38.00	\$9,880.00	\$0.00
66	1" TAPPING SADDLE	EA	18.00	\$75.50	\$1,359.00	18.00	\$1,359.00	\$0.00
67	1" CURB STOP AND BOX	EA	38.00	\$215.00	\$8,170.00	38.00	\$8,170.00	\$0.00
68	1" COPPER WATER SERVICE	LF	2,525.00	\$15.00	\$37,875.00	2,525.00	\$37,875.00	\$0.00
69	CATHODIC PROTECTION OF WATER MAIN AND NEW SERVICES, COMPLETE	LS	1.00	\$4,500.00	\$4,500.00	1.00	\$4,500.00	\$0.00
70	CATHODIC PROTECTION TEST STATION, COMPLETE	EA	4.00	\$400.00	\$1,600.00	4.00	\$1,600.00	\$0.00
71	ZINC GALVANIC ANODE (18-LB)	EA	86.00	\$100.00	\$8,600.00	86.00	\$8,600.00	\$0.00
72	CONCRETE ENCASE WATER MAIN	LF	23.00	\$20.00	\$460.00	23.00	\$460.00	\$0.00
73	EXPOSE AND CONCRETE ENCASE WATER MAIN	LF	24.00	\$27.00	\$648.00	24.00	\$648.00	\$0.00
74	ASPHALT CONCRETE, CLASS G, TYPE 1, PG64-28	TON	2,426.50	\$78.50	\$190,480.25	2,434.00	\$191,069.00	\$588.75
75	AGGREGATE BASE COURSE	TON	3,000.00	\$13.50	\$40,500.00	3,000.00	\$40,500.00	\$0.00
76	RECLAIMED ASPHALT BASE COURSE	TON	1,866.00	\$8.50	\$15,861.00	1,866.00	\$15,861.00	\$0.00
77	GEOTEXTILE FABRIC	SY	8,660.00	\$2.80	\$24,248.00	8,660.00	\$24,248.00	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
78	CONCRETE DRIVEWAY PAVEMENT, 6" NONREINFORCED	SY	1,256.00	\$46.00	\$57,776.00	1,925.00	\$88,550.00	\$30,774.00
79	PCC APPROACH PAVEMENT, 6" NONREINFORCED, ADA MODIFIED	SY	84.00	\$60.00	\$5,040.00	84.00	\$5,040.00	\$0.00
80	TYPE B66 CURB AND GUTTER	LF	3,785.00	\$12.25	\$46,366.25	3,796.00	\$46,501.00	\$134.75
81	TYPE P6 GUTTER	LF	864.00	\$13.25	\$11,448.00	864.00	\$11,448.00	\$0.00
82	TYPE P6 GUTTER, ADA MODIFIED	LF	72.00	\$13.25	\$954.00	72.00	\$954.00	\$0.00
83	CONCRETE FILLET AND PAN (REINFORCED), 6"	SY	237.00	\$70.00	\$16,590.00	258.10	\$18,067.00	\$1,477.00
84	CONCRETE SIDEWALK, 4" NONREINFORCED	SF	24,939.00	\$4.25	\$105,990.75	21,047.25	\$89,450.81	(\$16,539.94)
85	CONCRETE TYPE "C" RETAINING WALL (0-2')	LF	200.00	\$40.00	\$8,000.00	200.00	\$8,000.00	\$0.00
86	6" DIAMETER PIPE UNDERDRAIN (RAPID CITY STD. DETAIL 64-1)	LF	3,750.00	\$7.75	\$29,062.50	3,750.00	\$29,062.50	\$0.00
87	DETECTABLE WARNING PANNEL	SF	128.00	\$40.00	\$5,120.00	170.00	\$6,800.00	\$1,680.00
88	BORE CONNECTION TO EXISTING BOX CULVERT (24" RCP CLASS II, O-RING GASKETED PIPE)	LF	40.00	\$425.00	\$17,000.00	0.00	\$0.00	(\$17,000.00)
89	FINISHED INTERIOR CONNECTION TO EXISTING BOX CULVERT	LS	1.00	\$5,000.00	\$5,000.00	1.00	\$5,000.00	\$0.00
90	CONNECT EDGE DRAIN TO INLET, 6" DIAMETER	EA	8.00	\$100.00	\$800.00	8.00	\$800.00	\$0.00
91	CONNECT TO EXISTING TYPE "B" INLET	EA	1.00	\$1,025.00	\$1,025.00	0.00	\$0.00	(\$1,025.00)
92	12" RCP, CLASS II	LF	73.00	\$26.85	\$1,960.05	73.00	\$1,960.05	\$0.00
93	18" RCP, CLASS II	LF	354.00	\$32.50	\$11,505.00	354.00	\$11,505.00	\$0.00
94	18" RCP, CLASS II (O-RING GASKETED PIPE)	LF	222.00	\$35.55	\$7,892.10	-30.00	(\$1,066.50)	(\$8,958.60)
95	24" RCP, CLASS II	LF	458.00	\$39.60	\$18,136.80	458.00	\$18,136.80	\$0.00
96	30" RCP, CLASS II	LF	28.00	\$49.00	\$1,372.00	28.00	\$1,372.00	\$0.00
97	30" RCP, CLASS II (O-RING GASKETED PIPE)	LF	306.00	\$55.40	\$16,952.40	344.00	\$19,057.60	\$2,105.20
98	18" X 18" X18" RCP TEE	EA	1.00	\$1,175.00	\$1,175.00	1.00	\$1,175.00	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
99	24" X 24" X 24" RCP TEE	EA	1.00	\$765.00	\$765.00	1.00	\$765.00	\$0.00
100	30" X 30" X 30" RCP TEE	EA	1.00	\$1,900.00	\$1,900.00	1.00	\$1,900.00	\$0.00
101	24" RCP CAP	EA	1.00	\$150.00	\$150.00	1.00	\$150.00	\$0.00
102	30" RCP 7.5 DEGREE BENDS	EA	6.00	\$1,400.00	\$8,400.00	2.00	\$2,800.00	(\$5,600.00)
103	2' X 3' TYPE "B" INLET, WITH VANED GRATE	EA	12.00	\$1,725.00	\$20,700.00	2.00	\$3,450.00	(\$17,250.00)
104	REINFORCED CONCRETE SPECIAL TYPE "B" INLET, WITH VANED GRATE	EA	4.00	\$1,925.00	\$7,700.00	8.00	\$15,400.00	\$7,700.00
105	TYPE "E" INLET, SD-DOT PLATE 670.37 (6' X 10' TYPE S)	EA	2.00	\$3,825.00	\$7,650.00	2.00	\$7,650.00	\$0.00
106	STORM SEWER UNDERDRAIN (6" PVC SLOTTED DRAIN PIPE W/ SOCK)	LF	1,350.00	\$8.00	\$10,800.00	1,350.00	\$10,800.00	\$0.00
107	2" RIGID CONDUIT, SCHEDULE 40	LF	353.00	\$10.00	\$3,530.00	353.00	\$3,530.00	\$0.00
108	STREET LIGHT ON BLACK HILLS POWER WOODEN POLE	EA	2.00	\$1,232.65	\$2,465.30	0.00	\$0.00	(\$2,465.30)
109	TOPSOIL, PLACE 5" THICK	CY	765.00	\$15.00	\$11,475.00	765.00	\$11,475.00	\$0.00
110	SODDING	SY	6,854.00	\$6.85	\$46,949.90	6,894.00	\$47,223.90	\$274.00
111	HAULING AND PLACING CO-COMPOST	TON	170.00	\$22.00	\$3,740.00	170.00	\$3,740.00	\$0.00
112	SIGN POST, 2" X 2" TUBE	EA	5.00	\$151.00	\$755.00	5.00	\$755.00	\$0.00
113	REGULATORY SIGN , R1-1 (STOP)	EA	5.00	\$50.00	\$250.00	5.00	\$250.00	\$0.00
114	REGULATORY SIGN , D3 (STREET NAME)	EA	10.00	\$70.00	\$700.00	10.00	\$700.00	\$0.00
115	LANDSCAPE ROCK, (3"-6") WASHED	TON	200.00	\$47.00	\$9,400.00	200.00	\$9,400.00	\$0.00

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116	HONEY LOCUST - 2" CALIPER	EA	4.00	\$400.00	\$1,600.00	4.00	\$1,600.00	\$0.00
117	HONEY LOCUST - 2.5" CALIPER	EA	1.00	\$585.00	\$585.00	1.00	\$585.00	\$0.00
118	OHIO BUCKEYE - 2" CALIPER	EA	4.00	\$400.00	\$1,600.00	4.00	\$1,600.00	\$0.00
119	OAK, BURR - 1"-1.5" CALIPER	EA	2.00	\$265.00	\$530.00	2.00	\$530.00	\$0.00
120	OAK, BURR - 2"-2.5" CALIPER	EA	2.00	\$400.00	\$800.00	2.00	\$800.00	\$0.00
121	MALLUS SPRING SNOW CRAB (FRUITLESS) - MIN 2" CALIPER	EA	2.00	\$350.00	\$700.00	2.00	\$700.00	\$0.00
122	JUNIPER, PRINCE OF WALES (5 GALLON)	EA	4.00	\$60.00	\$240.00	4.00	\$240.00	\$0.00
123	HAWTHORNE (THORNLESS) - 1.5" CALIPER	EA	2.00	\$250.00	\$500.00	2.00	\$500.00	\$0.00
124	CONCRETE APPROACH PAVEMENT, 6" NONREINFORCED	SY	0.00	\$64.24	\$0.00	675.00	\$43,362.00	\$43,362.00
TOTAL					\$1,498,400.00		\$1,518,491.66	\$20,091.66

C.C.O. HISTORY INCREASE/(DECREASE)	CCO #1	\$20,091.66	PRIOR ADJUSTED CONTRACT PRICE :	\$1,498,400.00
			NET INCREASE/(DECREASE):	\$20,091.66
			ADJUSTED CONTRACT PRICE:	\$1,518,491.66
			CHANGE TO DATE:	\$20,091.66

	8-6-10
CONTRACTOR: MAINLINE CONTRACTING, INC., PO BOX 3448, RAPID CITY, SD 57709 - PHONE 348-7068	DATE
	8/4/10
PROJECT MANAGER: KLAPE SCHROEDER, P.E.	DATE
	8-5-10
CITY ENGINEER: DALE TECH, P.E. / L.S.	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 #1 to Mainline Contracting, Inc. for an increase of \$20,091.66 based on unit pricing with the following appropriation:

Initial Funding	\$353,069.95	\$134,274.58	\$607,916.17	\$167,491.30	\$235,648.00	\$1,498,400.00
Fund Type	Sanitary Sewer	Water	Streets	Drainage	Vision 2012	
Department	0833	0933	8910	8911	0135	
Line Item	4380	4381	4370	4371	4370	
Fund	0604	0602	0505	0505	0107	
CCO #1	\$389.38	\$35.00	\$26,830.56	(\$9,254.40)	\$2,091.12	\$20,091.66
Adjusted Funding	\$353,459.33	\$134,309.58	\$634,746.73	\$158,236.90	\$237,739.12	\$1,518,491.66

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 AUGUST 2, 2010
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LINE ITEM	DESCRIPTION	REASON FOR CHANGE
20	CLEARING & GRUBBING, STUMPS	Actual quantity used to construct the project in accordance with plans and specifications.
24	MILL AND REMOVE ASPHALT CONCRETE PAVEMENT FULL	Used open cut method to connect 30" storm sewer pipe to box culvert in lieu of 24" and 18" connections.
33	REMOVE CONCRETE FILLET	Used open cut method to connect 30" storm sewer pipe to box culvert in lieu of 24" and 18" connections.
34	REMOVE CONCRETE PAN, 6" WIDE	Used open cut method to connect 30" storm sewer pipe to box culvert in lieu of 24" and 18" connections.
74	ASPHALT CONCRETE, CLASS G, TYPE 1, PG64-28	Used open cut method to connect 30" storm sewer pipe to box culvert in lieu of 24" and 18" connections.
78	CONCRETE DRIVEWAY PAVEMENT, 6" NONREINFORCED	Designer's error. The take off of quantities were incorrect.
80	TYPE B66 CURB AND GUTTER	Used open cut method to connect 30" storm sewer pipe to box culvert in lieu of 24" and 18" connections.
83	CONCRETE FILLET AND PAN (REINFORCED), 6"	Used open cut method to connect 30" storm sewer pipe to box culvert in lieu of 24" and 18" connections.
84	CONCRETE SIDEWALK, 4" NONREINFORCED	Designer's error. The take off of quantities were incorrect.
87	DETECTABLE WARNING PANNEL	Used open cut method to connect 30" storm sewer pipe to box culvert in lieu of 24" and 18" connections.
88	BORE CONNECTION TO EXISTING BOX CULVERT (24" RCP	Used open cut method to connect 30" storm sewer pipe to box culvert in lieu of 24" and 18" connections.
91	CONNECT TO EXISTING TYPE "B" INLET	Eliminated need to connect pipe to this inlet by going to 30" pipe in the open cut method.
94	18" RCP, CLASS II (O-RING GASKETED PIPE)	Eliminated need for 18" pipe by going to 30" pipe in the open cut method.
97	30" RCP, CLASS II (O-RING GASKETED PIPE)	Added this amount at 30" pipe by open cut method.
102	30" RCP 7.5 DEGREE BENDS	Negotiated deduct on 7.5 degree bends as they were not buildable by supplier.
103	2' X 3' TYPE "B" INLET, WITH VANED GRATE	Designer's error. The take off of quantities were incorrect.
104	REINFORCED CONCRETE SPECIAL TYPE "B" INLET, WITH	Designer's error. The take off of quantities were incorrect.
108	STREET LIGHT ON BLACK HILLS POWER WOODEN POLE	Paid directly to BHP to eliminate markup.
110	SODDING	Had to remove more sod to do the open cut.
124	CONCRETE APPROACH PAVEMENT, 6" NONREINFORCED	Designer's error. The quantity was missed on the bid item.

PREPARED BY: Klare Schroeder, P.E.

DATE: August 2, 2010

	FUNDING TYPE	Sanitary Sewer		Water		Streets		Drainage		Vision 2012		
	COST CENTER	0833		0933		8910		8911		135		
	LINE ITEM	4380		4381		4370		4371		4370		
	FUND	0604		0602		0505		0505		107		
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	
1	MOBILIZATION	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
2	INCIDENTAL WORK	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
3	CONSTRUCTION STAKING	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
4	TRAFFIC CONTROL PLAN PREPAR	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
5	TRAFFIC CONTROL	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
6	EROSION CONTROL PLAN PREPAR	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
7	TEMPORARY EROSION CONTROL	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
8	CONSTRUCTION EROSION CONTR	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
9	TEMPORARY GRAVEL SURFACING	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
10	UNCLASSIFIED EXCAVATION	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
11	EXCAVATION, UNDERCUT	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
12	UNCLASSIFIED EXCAVATION - DIG	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
13	TYPE I BEDDING	0.00	60%	0.00	10%	0.00	0%	0.00	30%	0.00	0%	100%
14	TYPE II FOUNDATION MATERIAL	0.00	60%	0.00	10%	0.00	0%	0.00	30%	0.00	0%	100%
15	TYPE III FOUNDATION MATERIAL	0.00	20%	0.00	5%	0.00	50%	0.00	25%	0.00	0%	100%
16	TYPE IV FOUNDATION MATERIAL	0.00	20%	0.00	5%	0.00	50%	0.00	25%	0.00	0%	100%
17	CONTROLLED LOW STRENGTH BA	0.00	60%	0.00	10%	0.00	0%	0.00	30%	0.00	0%	100%

18	AASHTO T-180 SOIL TEST	0.00	25%	0.00	10%	0.00	50%	0.00	15%	0.00	0%	100%
19	CLEARING & GRUBBING, TREES	0.00	20%	0.00	5%	0.00	75%	0.00	0%	0.00	0%	100%
20	CLEARING & GRUBBING, STUMPS	140.00	20%	35.00	5%	525.00	75%	0.00	0%	0.00	0%	100%
21	CLEARING & GRUBBING	0.00	20%	0.00	5%	0.00	75%	0.00	0%	0.00	0%	100%
22	REMOVE SANITARY SEWER MANH	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
23	SAWING ASPHALT PAVEMENT	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
24	MILL AND REMOVE ASPHALT CON	0.00	0%	0.00	0%	0.00	0%	0.00	0%	71.50	100%	100%
25	DELIVER EXCESS ASPHALT MILLIN	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
26	REMOVE CONCRETE DRIVEWAY A	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
27	REMOVE ASPHALT DRIVEWAY ANI	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
28	REMOVE CONCRETE CURB AND G	0.00	25%	0.00	0%	0.00	75%	0.00	0%	0.00	0%	100%
29	REMOVE ASPHALT GUTTER	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
30	REMOVE CONCRETE SIDEWALK	0.00	20%	0.00	5%	0.00	75%	0.00	0%	0.00	0%	100%
31	REMOVE ASPHALT SIDEWALK	0.00	0%	0.00	25%	0.00	75%	0.00	0%	0.00	0%	100%
32	REMOVE GRAVEL DRIVEWAY	0.00	0%	0.00	25%	0.00	75%	0.00	0%	0.00	0%	100%
33	REMOVE CONCRETE FILLET	0.00	0%	0.00	0%	45.30	100%	0.00	0%	0.00	0%	100%
34	REMOVE CONCRETE PAN, 6' WIDE	0.00	0%	0.00	0%	18.00	100%	0.00	0%	0.00	0%	100%
35	REMOVE CONCRETE DRAINAGE PA	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
36	REMOVE WATER VALVE AND BOX	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
37	REMOVE FIRE HYDRANT AND LEA	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%

38	REMOVE AND RESET CHAIN LINK	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
39	REMOVE AND RESET WOOD SLAT	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
40	COORDINATE AND REMOVE EXIST	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
41	BYPASS PUMPING	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
42	CONNECT TO EXISTING SEWER M	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
43	STANDARD MANHOLE, 48" DIA (0'-6	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
44	TERMINATION MANHOLE, 48" DIA (0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
45	EXTRA MANHOLE DEPTH, 48" DIA	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
46	SANITARY SEWER SERVICE RECO	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
47	4" SANITARY SEWER SERVICE	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
48	4" SANITARY SEWER SERVICE CLE	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
49	8" PVC SEWER MAIN, SDR-35 (8'-10	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
50	8" PVC SEWER MAIN, SDR-35 (10'-1	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
51	8" PVC SEWER MAIN, SDR-35 (12'-1	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
52	8" PVC SEWER MAIN, SDR-35 (14'-1	0.00	100%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	100%
53	6" PVC SLOTTED DRAIN WITH SOC	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
54	6" PVC SLOTTED DRAIN TEE	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
55	6-INCH SOLID UNDERDRAIN CLEA	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
56	UNDERDRAIN CLEANOUT CASTING	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
57	CONNECT TO EXISTING WATER M	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%

58	8" PVC WATER MAIN, AWWA C-900	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
59	6" PVC WATER MAIN, AWWA C-900	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
60	8" X 6" X 8" TEE	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
61	8" 22.5 DEGREE BEND WITH THRU	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
62	8" 45 DEGREE BEND WITH THRUST	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
63	8" X 6" REDUCER	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
64	FIRE HYDRANT WITH AUX. VALVE,	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
65	WATER SERVICE RECONNECTION	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
66	1" TAPPING SADDLE	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
67	1" CURB STOP AND BOX	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
68	1" COPPER WATER SERVICE	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
69	CATHODIC PROTECTION OF WATER	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
70	CATHODIC PROTECTION TEST STA	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
71	ZINC GALVANIC ANODE (18-LB)	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
72	CONCRETE ENCASE WATER MAIN	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
73	EXPOSE AND CONCRETE ENCASE	0.00	0%	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
74	ASPHALT CONCRETE, CLASS G, T	147.19	25%	0.00	0%	0.00	0%	0.00	0%	441.56	75%	100%
75	AGGREGATE BASE COURSE	0.00	25%	0.00	0%	0.00	0%	0.00	0%	0.00	75%	100%
76	RECLAIMED ASPHALT BASE COUR	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
77	GEOTEXTILE FABRIC	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%

78	CONCRETE DRIVEWAY PAVEMENT	0.00	0%	0.00	0%	0.00	0%	30,774.00	100%	0.00	0%	100%
79	PCC APPROACH PAVEMENT, 6" NC	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
80	TYPE B66 CURB AND GUTTER	33.69	25%	0.00	0%	0.00	0%	0.00	0%	101.06	75%	100%
81	TYPE P6 GUTTER	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
82	TYPE P6 GUTTER, ADA MODIFIED	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
83	CONCRETE FILLET AND PAN (REIN	0.00	0%	0.00	0%	0.00	0%	0.00	0%	1,477.00	100%	100%
84	CONCRETE SIDEWALK, 4" NONREI	0.00	0%	0.00	0%	-16,539.94	100%	0.00	0%	0.00	0%	100%
85	CONCRETE TYPE "C" RETAINING V	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
86	6" DIAMETER PIPE UNDERDRAIN (0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
87	DETECTABLE WARNING PANNEL	0.00	0%	0.00	0%	1,680.00	100%	0.00	0%	0.00	0%	100%
88	BORE CONNECTION TO EXISTING	0.00	0%	0.00	0%	0.00	0%	-17,000.00	100%	0.00	0%	100%
89	FINISHED INTERIOR CONNECTION	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
90	CONNECT EDGE DRAIN TO INLET,	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
91	CONNECT TO EXISTING TYPE "B" I	0.00	0%	0.00	0%	0.00	0%	-1,025.00	100%	0.00	0%	100%
92	12" RCP, CLASS II	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
93	18" RCP, CLASS II	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
94	18" RCP, CLASS II (O-RING GASKE	0.00	0%	0.00	0%	0.00	0%	-8,958.80	100%	0.00	0%	100%
95	24" RCP, CLASS II	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
96	30" RCP, CLASS II	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
97	30" RCP, CLASS II (O-RING GASKE	0.00	0%	0.00	0%	0.00	0%	2,105.20	100%	0.00	0%	100%
98	18" X 18" X 18" RCP TEE	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
99	24" X 24" X 24" RCP TEE	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
100	30" X 30" X 30" RCP TEE	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%

101	24" RCP CAP	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
102	30" RCP 7.5 DEGREE BENDS	0.00	0%	0.00	0%	0.00	0%	-5,600.00	100%	0.00	0%	100%
103	2' X 3' TYPE "B" INLET, WITH VANE	0.00	0%	0.00	0%	0.00	0%	-17,250.00	100%	0.00	0%	100%
104	REINFORCED CONCRETE SPECIAL	0.00	0%	0.00	0%	0.00	0%	7,700.00	100%	0.00	0%	100%
105	TYPE "E" INLET, SD-DOT PLATE 67	0.00	0%	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
106	STORM SEWER UNDERDRAIN (6" P	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
107	2" RIGID CONDUIT, SCHEDULE 40	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
108	STREET LIGHT ON BLACK HILLS P	0.00	0%	0.00	0%	-2,465.30	100%	0.00	0%	0.00	0%	100%
109	TOPSOIL, PLACE 5" THICK	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
110	SODDING	68.50	25%	0.00	0%	205.50	75%	0.00	0%	0.00	0%	100%
111	HAULING AND PLACING CO-COMP	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
112	SIGN POST, 2" X 2" TUBE	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
113	REGULATORY SIGN , R1-1 (STOP)	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
114	REGULATORY SIGN , D3 (STREET	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
115	LANDSCAPE ROCK, (3"-6") WASHE	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
116	HONEY LOCUST - 2" CALIPER	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
117	HONEY LOCUST - 2.5" CALIPER	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
118	OHIO BUCKEYE - 2" CALIPER	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
119	OAK, BURR - 1"-1.5" CALIPER	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
120	OAK, BURR - 2"-2.5" CALIPER	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
121	MALLUS SPRING SNOW CRAB (FR	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
122	JUNIPER, PRINCE OF WALES (5 GA	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
123	HAWTHORNE (THORNLESS) - 1.5"	0.00	0%	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
124	CONCRETE APPROACH PAVEMEN	0.00	0%	0.00	0%	43,362.00	100%	0.00	0%	0.00	0%	100%
		\$369.38		\$35.00		\$26,830.56		(\$9,254.40)		\$2,091.12		\$20,091.66