

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2

ST. ANDREW STREET RECONSTRUCTION

PROJECT NO. ST07-1604 / CIP #50410

November 12, 2008

ORIGINAL CONTRACT AMOUNT: \$1,287,862.66

CONTRACTOR: SHOVELHEAD EXCAVATING, INC.

PW 112508-04

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	REMOVE MANHOLE	EA	8.00	\$500.00	\$4,000.00	6.00	\$3,000.00	(\$1,000.00)
2	PIPE ENCASEMENT	LF	51.00	\$50.00	\$2,550.00	51.00	\$2,550.00	\$0.00
3	8" PVC SEWER MAIN (8'-10')	LF	686.00	\$25.00	\$17,150.00	550.00	\$13,750.00	(\$3,400.00)
4	8" PVC SEWER MAIN (10'-12')	LF	906.00	\$28.00	\$25,368.00	830.00	\$23,240.00	(\$2,128.00)
5	8" PVC SEWER MAIN (12'-14')	LF	479.00	\$30.00	\$14,370.00	120.00	\$3,600.00	(\$10,770.00)
6	12" PVC SEWER MAIN (8'-10')	LF	592.00	\$30.00	\$17,760.00	578.00	\$17,340.00	(\$420.00)
7	4" PVC SEWER SERVICE LINE	LF	2,955.00	\$20.00	\$59,100.00	2,955.00	\$59,100.00	\$0.00
8	4" PVC SEWER CLEANOUT	EA	22.00	\$100.00	\$2,200.00	54.00	\$5,400.00	\$3,200.00
9	ABANDON CLEANOUT	EA	9.00	\$25.00	\$225.00	1.00	\$25.00	(\$200.00)
10	EXTRA MANHOLE DEPTH, 48" DIA	V FT	40.00	\$85.00	\$3,400.00	40.00	\$3,400.00	\$0.00
11	STANDARD MANHOLE, 48" DIA	EA	9.00	\$2,800.00	\$25,200.00	10.00	\$28,000.00	\$2,800.00
12	ADJUST MANHOLE RING & COVER	EA	1.00	\$200.00	\$200.00	3.00	\$600.00	\$400.00
13	CONNECTION TO EXISTING MANHOLE	EA	1.00	\$400.00	\$400.00	1.00	\$400.00	\$0.00
14	CONNECTION TO EXISTING SEWER MAIN	EA	6.00	\$200.00	\$1,200.00	7.00	\$1,400.00	\$200.00
15	REMOVE SEWER MAIN	LF	294.00	\$2.00	\$588.00	294.00	\$588.00	\$0.00
16	RESHAPE MANHOLE INVERT	EA	1.00	\$400.00	\$400.00	0.00	\$0.00	(\$400.00)
17	REMOVE WATER MAIN	LF	100.00	\$2.00	\$200.00	10.00	\$20.00	(\$180.00)
18	REMOVE & SALVAGE FIRE HYDRANT, VALVE AND BOX	EA	3.00	\$200.00	\$600.00	3.00	\$600.00	\$0.00
19	EXPLORATORY EXCAVATION, WATER	HR	8.00	\$70.00	\$560.00	2.00	\$140.00	(\$420.00)
20	1" COPPER SERVICE	LF	3,538.00	\$12.00	\$42,456.00	3,468.00	\$41,616.00	(\$840.00)
21	6" PVC WATER MAIN	LF	174.00	\$20.00	\$3,480.00	174.00	\$3,480.00	\$0.00
22	8" PVC WATER MAIN	LF	2,633.00	\$23.00	\$60,559.00	2,633.00	\$60,559.00	\$0.00
23	1" TAPPING SADDLE & CORP STOP	EA	84.00	\$200.00	\$16,800.00	84.00	\$16,800.00	\$0.00
24	1" CURB STOP	EA	84.00	\$200.00	\$16,800.00	84.00	\$16,800.00	\$0.00
25	8" X 6" REDUCER	EA	1.00	\$200.00	\$200.00	1.00	\$200.00	\$0.00
26	8" HIGH DEFLECTION COUPLING	EA	8.00	\$125.00	\$1,000.00	0.00	\$0.00	(\$1,000.00)
27	8" X 8" X 6" TEE	EA	8.00	\$500.00	\$4,000.00	8.00	\$4,000.00	\$0.00
28	20" X 8" X 8" TAPPING TEE, VALVE & BOX	EA	1.00	\$2,500.00	\$2,500.00	1.00	\$2,500.00	\$0.00

29	12" X 12" X 8" TAPPING TEE, VALVE & BOX	EA	2.00	\$2,500.00	\$5,000.00	2.00	\$5,000.00	\$0.00
30	8" 22.5 DEGREE BEND	EA	4.00	\$250.00	\$1,000.00	2.00	\$500.00	(\$500.00)
31	8" X 8" CROSS	EA	1.00	\$500.00	\$500.00	1.00	\$500.00	\$0.00
32	8" MJ CAP	EA	2.00	\$150.00	\$300.00	2.00	\$300.00	\$0.00
33	6" GATE VALVE W/BOX	EA	1.00	\$850.00	\$850.00	0.00	\$0.00	(\$850.00)
34	8" GATE VALVE W/BOX	EA	19.00	\$1,500.00	\$28,500.00	18.00	\$27,000.00	(\$1,500.00)
35	FIRE HYDRANT W/AUX VALVE, BOX & LEAD	EA	8.00	\$2,500.00	\$20,000.00	8.00	\$20,000.00	\$0.00
36	REMOVE & SALVAGE VALVE AND BOX	EA	5.00	\$100.00	\$500.00	3.00	\$300.00	(\$200.00)
37	REMOVE CURB STOP AND BOX	EA	84.00	\$50.00	\$4,200.00	84.00	\$4,200.00	\$0.00
38	CONNECT TO EXISTING WATER MAIN	EA	1.00	\$400.00	\$400.00	1.00	\$400.00	\$0.00
39	WATER MAIN ENCASEMENT	LF	72.00	\$50.00	\$3,600.00	475.00	\$23,750.00	\$20,150.00
40	CATHODIC CONTROL TEST STATION	EA	3.00	\$200.00	\$600.00	3.00	\$600.00	\$0.00
41	CATHODIC PROTECTION, SACRIFICIAL ANODE	EA	145.00	\$300.00	\$43,500.00	111.00	\$33,300.00	(\$10,200.00)
42	EXPLORATORY EXCAVATION, STORM SEWER	HR	24.00	\$70.00	\$1,680.00	6.00	\$420.00	(\$1,260.00)
43	REMOVE CONCRETE JUNCTION BOX	EA	3.00	\$200.00	\$600.00	3.00	\$600.00	\$0.00
44	REMOVE 12" RCP	LF	29.00	\$10.00	\$290.00	29.00	\$290.00	\$0.00
45	REMOVE 18" RCP	LF	180.00	\$15.00	\$2,700.00	180.00	\$2,700.00	\$0.00
46	REMOVE 24" CLAY	LF	115.00	\$20.00	\$2,300.00	0.00	\$0.00	(\$2,300.00)
47	REMOVE 36" RCP	LF	24.00	\$25.00	\$600.00	0.00	\$0.00	(\$600.00)
48	REMOVE 48" RCP	LF	567.00	\$30.00	\$17,010.00	96.00	\$2,880.00	(\$14,130.00)
49	REMOVE AREA INLET (ALLEY)	EA	2.00	\$400.00	\$800.00	2.00	\$800.00	\$0.00
50	REMOVE TYPE E DROP INLET	EA	3.00	\$400.00	\$1,200.00	3.00	\$1,200.00	\$0.00
51	REMOVE TYPE B DROP INLET (3RD)	EA	2.00	\$400.00	\$800.00	2.00	\$800.00	\$0.00
52	18" RCP, CLASS II	LF	408.00	\$25.00	\$10,200.00	408.00	\$10,200.00	\$0.00
53	24" RCP, CLASS II	LF	115.00	\$30.00	\$3,450.00	0.00	\$0.00	(\$3,450.00)
54	36" RCP, CLASS II	LF	24.00	\$55.00	\$1,320.00	0.00	\$0.00	(\$1,320.00)
55	48" RCP, CLASS II	LF	534.00	\$100.00	\$53,400.00	92.00	\$9,200.00	(\$44,200.00)
56	TYPE "B" INLET WITH VANED GRATE	EA	11.00	\$2,400.00	\$26,400.00	12.00	\$28,800.00	\$2,400.00
57	6' X 10' TYPE "S" INLET	EA	3.00	\$6,500.00	\$19,500.00	1.00	\$6,500.00	(\$13,000.00)
58	48" STORM SEWER MANHOLE	EA	1.00	\$2,300.00	\$2,300.00	0.00	\$0.00	(\$2,300.00)
59	4' X 6' JUNCTION BOX	EA	1.00	\$6,500.00	\$6,500.00	1.00	\$6,500.00	\$0.00
60	6' X 6' JUNCTION BOX	EA	1.00	\$8,000.00	\$8,000.00	1.00	\$8,000.00	\$0.00
61	3' X 3' JUNCTION BOX	EA	1.00	\$4,500.00	\$4,500.00	1.00	\$4,500.00	\$0.00
62	4" PERFORATED UNDERDRAIN LINE & ROCK	LF	5,186.00	\$2.50	\$12,965.00	5,186.00	\$12,965.00	\$0.00

63	EROSION & WATER POLLUTION CONTROL PLAN	EA	1.00	\$500.00	\$500.00	1.00	\$500.00	\$0.00
64	TEMPORARY EROSION CONTROL	LS	1.00	\$800.00	\$800.00	1.00	\$800.00	\$0.00
65	SAWING, ASPHALT PAVEMENT	LF	581.00	\$2.00	\$1,162.00	581.00	\$1,162.00	\$0.00
66	REMOVE & RESET CHAIN LINK FENCE	LF	75.00	\$10.00	\$750.00	75.00	\$750.00	\$0.00
67	REMOVE & RESET WOOD FENCE	LF	50.00	\$10.00	\$500.00	50.00	\$500.00	\$0.00
68	REMOVE ASPHALT CONCRETE PAVEMENT	SY	9,522.00	\$8.00	\$76,176.00	9,522.00	\$76,176.00	\$0.00
69	REMOVE CONCRETE CURB & GUTTER	LF	4,754.00	\$2.00	\$9,508.00	4,754.00	\$9,508.00	\$0.00
70	REMOVE CONCRETE FILLET & PAN	SF	735.00	\$5.00	\$3,675.00	735.00	\$3,675.00	\$0.00
71	REMOVE CONCRETE SIDEWALK	SF	4,149.00	\$2.00	\$8,298.00	4,149.00	\$8,298.00	\$0.00
72	REMOVE CONCRETE DRIVEWAY	SY	727.00	\$5.00	\$3,635.00	727.00	\$3,635.00	\$0.00
73	REMOVE TREE, 8" - 10"	EA	5.00	\$125.00	\$625.00	12.00	\$1,500.00	\$875.00
74	EXCAVATION, UNCLASSIFIED	CY	2,645.00	\$10.00	\$26,450.00	2,645.00	\$26,450.00	\$0.00
75	TEMPORARY GRAVEL SURFACING	T	550.00	\$14.00	\$7,700.00	550.00	\$7,700.00	\$0.00
76	AGGREGATE BASE COURSE	T	3,760.00	\$14.00	\$52,640.00	3,760.00	\$52,640.00	\$0.00
77	GRAVEL SURFACING	T	100.00	\$14.00	\$1,400.00	100.00	\$1,400.00	\$0.00
78	ASPHALT CONCRETE, CLASS G, TYPE 1 PG64-28 (5")	T	2,680.00	\$69.00	\$184,920.00	2,680.00	\$184,920.00	\$0.00
79	CONCRETE APPROACH PAVEMENT, 6"	SY	525.00	\$55.00	\$28,875.00	550.00	\$30,250.00	\$1,375.00
80	CONCRETE APPROACH PAVEMENT, REINFORCED, 6"	SY	22.00	\$68.00	\$1,496.00	22.00	\$1,496.00	\$0.00
81	CONCRETE DRIVEWAY PAVEMENT, 6"	SY	683.00	\$55.00	\$37,565.00	850.00	\$46,750.00	\$9,185.00
82	CONCRETE DRIVEWAY PAVEMENT, REINFORCED, 6"	SY	44.00	\$68.00	\$2,992.00	44.00	\$2,992.00	\$0.00
83	CONCRETE "P6" GUTTER	LF	847.00	\$14.31	\$12,120.57	887.00	\$12,692.97	\$572.40
84	CONCRETE CURB & GUTTER, TYPE B66	LF	4,339.00	\$14.31	\$62,091.09	4,339.00	\$62,091.09	\$0.00
85	CONCRETE FILLET & PAN (REINFORCED), 6"	SY	418.00	\$78.00	\$32,604.00	418.00	\$32,604.00	\$0.00
86	CONCRETE SIDEWALK, 4"	SF	4,885.00	\$4.20	\$20,517.00	4,885.00	\$20,517.00	\$0.00
87	CONCRETE SIDEWALK, 6", REINFORCED	SF	160.00	\$7.70	\$1,232.00	160.00	\$1,232.00	\$0.00
88	CONCRETE TYPE C RETAINING WALL (2-4')	LF	79.00	\$133.00	\$10,507.00	79.00	\$10,507.00	\$0.00
89	DETECTABLE WARNING PANEL	EA	24.00	\$275.00	\$6,600.00	24.00	\$6,600.00	\$0.00
90	SODDING & FERTILIZING	SY	4,000.00	\$12.30	\$49,200.00	4,000.00	\$49,200.00	\$0.00
91	SALVAGE, REINSTALL SPRINKLER SYSTEM (PER YARD)	EA	9.00	\$440.00	\$3,960.00	14.00	\$6,160.00	\$2,200.00
92	CLEAR & GRUB TREE STUMP	EA	17.00	\$200.00	\$3,400.00	17.00	\$3,400.00	\$0.00
93	DECIDUOUS TREE	EA	5.00	\$500.00	\$2,500.00	5.00	\$2,500.00	\$0.00
94	TRAFFIC CONTROL	LS	1.00	\$1,200.00	\$1,200.00	1.00	\$1,200.00	\$0.00
95	TRAFFIC CONTROL PLAN	LS	1.00	\$300.00	\$300.00	1.00	\$300.00	\$0.00
96	MOBILIZATION/DEMobilIZATION	LS	1.00	\$15,000.00	\$15,000.00	1.00	\$15,000.00	\$0.00

97	MISCELLANEOUS & INCIDENTAL	LS	1.00	\$15,000.00	\$15,000.00	1.00	\$15,000.00	\$0.00
98	STREET NAME SIGNS, ASSEMBLY	EA	3.00	\$400.00	\$1,200.00	3.00	\$1,200.00	\$0.00
99	REMOVE & RESET REGULATORY SIGN	EA	5.00	\$75.00	\$375.00	5.00	\$375.00	\$0.00
100	REGULATORY SIGN	EA	1.00	\$250.00	\$250.00	1.00	\$250.00	\$0.00
101	RELOCATE LIGHT POLE	EA	3.00	\$1,000.00	\$3,000.00	3.00	\$3,000.00	\$0.00
102	CONCRETE STEPS	EA	18.00	\$225.00	\$4,050.00	18.00	\$4,050.00	\$0.00
103	WATER MAIN LOWERING	EA	0.00	\$2,651.00	\$0.00	3.00	\$7,953.00	\$7,953.00
104	8"-45 DEGREE BEND	EA	0.00	\$275.00	\$0.00	6.00	\$1,650.00	\$1,650.00
105	2" LANDSCAPE ROCK (RIVER ROCK) & FABRIC	T	0.00	\$23.00	\$0.00	150.00	\$3,450.00	\$3,450.00
TOTAL					\$1,303,504.66		\$1,243,347.06	(\$60,157.60)

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :		\$1,303,504.66
CCO #1	\$15,642.00	NET DECREASE:		(\$60,157.60)
CCO #2	(\$60,157.60)	ADJUSTED CONTRACT PRICE:		\$1,243,347.06
	\$0.00	CHANGE TO DATE:		(\$44,515.60)

Alan Hanks

11-12-2008

CONTRACTOR: SHOVELHEAD EXCAVATING, INC., PO BOX 9306, RAPID CITY, SD 57709

DATE

Ronald A. Benge

11-12-2008

CONSULTANT: RONALD A. BENGE, ADVANCED ENGINEERING & SURVEYING, INC

DATE

Klare Schroeder

11/13/08

CITY PROJECT MANAGER: KLARE SCHROEDER

DATE

Dale Tech

11-19-08

CITY ENGINEER: DALE TECH

DATE

MAYOR: ALAN HANKS

DATE

FINANCE: JAMES PRESTON

DATE

CONTRACT TIME CHANGE +/-: + 14 DAYS

NEW CONTRACT TIME: 26 September 2008

City Staff recommends approval of this Change Order #2 to Shovelhead Excavating, Inc. for a decrease of \$60,157.60 based on unit pricing with the following appropriation:

Initial Funding	\$238,469.40	\$424,062.26	\$264,105.00	\$178,911.00	\$182,315.00	\$1,287,862.66
Fund Type	2012 Streets	Streets	Water	Sanitary Sewer	Storm Sewer	
Department	0135	8910	0933	0833	8911	
Line Item	4390	4370	4381	4380	4371	
Fund	0107	0000	0602	0604	0505	
CCO #1	\$5,631.12	\$10,010.88				\$15,642.00
CCO #2	\$6,356.66	\$11,300.74	\$14,063.00	(\$11,718.00)	(\$80,160.00)	(\$60,157.60)
						\$0.00
Adjusted Funding	\$250,457.18	\$445,373.88	\$278,168.00	\$167,193.00	\$102,155.00	\$1,243,347.06

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2

ST. ANDREW STREET RECONSTRUCTION

PROJECT NO. ST07-1604 / CIP #50410

November 12, 2008

ORIGINAL CONTRACT AMOUNT: \$1,287,862.66

CONTRACTOR: SHOVELHEAD EXCAVATING, INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
1	REMOVE MANHOLE	Eliminated a portion of sewer line replacement - existing manholes stayed in place
3	8" PVC SEWER MAIN (8'-10')	Eliminated sewer replacement STA 6+91 to 12+69
4	8" PVC SEWER MAIN (10'-12')	Eliminated sewer replacement STA 6+91 to 12+69
5	8" PVC SEWER MAIN (12'-14')	Eliminated sewer replacement STA 6+91 to 12+69
6	12" PVC SEWER MAIN (8'-10')	Tie in location was less than design
8	4" PVC SEWER CLEANOUT	Cleanout was installed at each parcel not having one
9	ABANDON CLEANOUT	PVC service lines - connected at back of curb on street - no need to abandon
11	STANDARD MANHOLE, 48" DIA	When eliminated a portion of sewer main - required replacing existing brick man hole
12	ADJUST MANHOLE RING & COVER	2 existing man holes left in place when eliminated a portion of sewer - required adjusting
14	CONNECTION TO EXISTING SEWER MAIN	Added connection with sewer re-configuration at 3rd
16	RESHAPE MANHOLE INVERT	Connected outside of man hole - not required
17	REMOVE WATER MAIN	Able to reduce amount removed - cross street tie in
19	EXPLORATORY EXCAVATION, WATER	Not required
20	1" COPPER SERVICE	Final quantity less than estimated
26	8" HIGH DEFLECTION COUPLING	Not required- able to make adjustment at lowering and with fittings
30	8" 22.5 DEGREE BEND	Not Required
33	6" GATE VALVE W/BOX	Eliminated at tie in to avoid water outage and due to pavement configuration at 5th
34	8" GATE VALVE W/BOX	Eliminated valve due to duplication
36	REMOVE & SALVAGE VALVE AND BOX	Per City Maintenance - did not want valves removed
39	WATER MAIN ENCASEMENT	Increased due to storm sewer revisions/ did not meet horizontal separation - Required encasement
41	CATHODIC PROTECTION, SACRIFICIAL ANODE	Not required due to watermain encasement
42	EXPLORATORY EXCAVATION, STORM SEWER	Not Required
46	REMOVE 24" CLAY	Eliminated portion of storm sewer replacement due to good pipe condition
47	REMOVE 36" RCP	Eliminated portion of storm sewer replacement due to good pipe condition
48	REMOVE 48" RCP	Eliminated portion of storm sewer replacement due to good pipe condition
53	24" RCP, CLASS II	Eliminated portion of storm sewer replacement due to good pipe condition
54	36" RCP, CLASS II	Eliminated portion of storm sewer replacement due to good pipe condition
55	48" RCP, CLASS II	Eliminated portion of storm sewer replacement due to good pipe condition
56	TYPE "B" INLET WITH VANED GRATE	Due to storm sewer revisions eliminated Type E inlet, added Type B.
57	6' X 10' TYPE "S" INLET	Due to storm sewer revisions - eliminated Type E
58	48" STORM SEWER MANHOLE	Eliminated with-storm sewer revisions
73	REMOVE TREE, 8" - 10"	Could not save trees due to service locations to re-connect
79	CONCRETE APPROACH PAVEMENT, 6"	Due to added approaches
81	CONCRETE DRIVEWAY PAVEMENT, 6"	Due to added approaches
83	CONCRETE "P6" GUTTER	Due to added approaches
91	SALVAGE, REINSTALL SPRINKLER SYSTEM (PER YARD)	Added sprinkler system, not identified on initial survey
103	WATER MAIN LOWERING	Required due to shallow depth of 20" main to meet 6' bury at 3rd and 1st
104	8"-45 DEGREE BEND	Required due to lowering and existing 20" configuration at 3rd
105	2" LANDSCAPE ROCK (RIVER ROCK) & FABRIC	Installed in place of sod at numerous landowners request

PREPARED BY: RONALD A. BENGS

DATE:

NOVEMBER 12 2008