

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F
MINNEKAHTA DRIVE AREA WATERMAIN AND SANITARY SEWER RECONSTRUCTION
PROJECT NO. 11-1980 / CIP NO. 50826
NOVEMBER 13, 2015
ORIGINAL CONTRACT AMOUNT: \$1,229,852.36
CONTRACTOR: HILLS MATERIALS COMPANY

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	MOBILIZATION	LS	1.00	\$11,000.00	\$11,000.00	1.00	\$11,000.00	\$0.00
2	INCIDENTAL	LS	1.00	\$63,875.00	\$63,875.00	1.00	\$63,875.00	\$0.00
3	CONSTRUCTION STAKING	LS	1.00	\$18,500.00	\$18,500.00	1.00	\$18,500.00	\$0.00
4	REESTABLISH PROPERTY CORNERS	EA	6.00	\$125.00	\$750.00	0.00	\$0.00	(\$750.00)
5	CLEARING & GRUBBING, TREES	EA	19.00	\$300.00	\$5,700.00	3.00	\$900.00	(\$4,800.00)
6	CLEARING & GRUBBING	LS	1.00	\$3,000.00	\$3,000.00	1.00	\$3,000.00	\$0.00
7	REMOVE MANHOLE	EA	7.00	\$875.00	\$6,125.00	1.00	\$875.00	(\$5,250.00)
8	REMOVE & SALVAGE FIRE HYDRANT, VALVE AND BOX	EA	3.00	\$300.00	\$900.00	3.00	\$900.00	\$0.00
9	REMOVE CURB STOP AND BOX	EA	30.00	\$60.00	\$1,800.00	28.00	\$1,680.00	(\$120.00)
10	REMOVE STORM SEWER MAIN	LF	145.00	\$10.00	\$1,450.00	145.00	\$1,450.00	\$0.00
11	REMOVE TYPE "E" INLET	EA	2.00	\$300.00	\$600.00	2.00	\$600.00	\$0.00
12	SAWING, ASPHALT PAVEMENT	LF	5,040.00	\$1.00	\$5,040.00	0.00	\$0.00	(\$5,040.00)
13	EDGE MILL & REMOVE AC PAVEMENT, 2" TO 0"	SY	575.00	\$7.25	\$4,168.75	495.00	\$3,588.75	(\$580.00)
14	REMOVE AC PAVEMENT	SY	4,719.00	\$3.50	\$16,516.50	4,719.00	\$16,516.50	\$0.00
15	REMOVE PCC DRIVEWAY PAVEMENT	SY	308.00	\$10.00	\$3,080.00	424.00	\$4,240.00	\$1,160.00
16	REMOVE CONCRETE CURB & GUTTER	LF	3,323.00	\$3.00	\$9,969.00	3,323.00	\$9,969.00	\$0.00
17	REMOVE PCC SIDEWALK	SF	64.00	\$3.00	\$192.00	64.00	\$192.00	\$0.00
18	REMOVE RETAINING WALL	LF	47.00	\$10.00	\$470.00	47.00	\$470.00	\$0.00
19	REMOVE & REPLACE CONCRETE CURB & GUTTER	LF	20.00	\$50.00	\$1,000.00	20.00	\$1,000.00	\$0.00
20	REMOVE MAILBOX	EA	17.00	\$75.00	\$1,275.00	23.00	\$1,725.00	\$450.00
21	AASHTO T-180 SOIL TEST	EA	5.00	\$165.00	\$825.00	2.00	\$330.00	(\$495.00)
22	EXCAVATION, UNCLASSIFIED	CY	1,802.00	\$22.00	\$39,644.00	2,029.00	\$44,638.00	\$4,994.00
23	EXCAVATION, UNCLASSIFIED-DIGOUTS W/ NATIVE MATERIAL	CY	100.00	\$15.00	\$1,500.00	0.00	\$0.00	(\$1,500.00)
24	EXCAVATION, UNCLASSIFIED-DIGOUTS W/ AGGREGATE BASE	CY	100.00	\$75.00	\$7,500.00	0.00	\$0.00	(\$7,500.00)

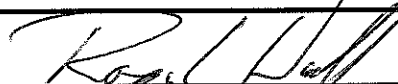
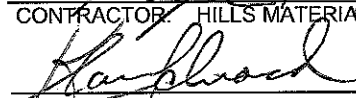

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
25	EXCAVATION, ROCK (GRADING)	CY	150.00	\$75.00	\$11,250.00	0.00	\$0.00	(\$11,250.00)
26	TOPSOIL, STOCKPILE & REPLACE	CY	170.00	\$55.00	\$9,350.00	170.00	\$9,350.00	\$0.00
27	SODDING	SY	2,037.00	\$8.00	\$16,296.00	937.00	\$7,496.00	(\$8,800.00)
28	MULCHING	SY	500.00	\$4.00	\$2,000.00	555.00	\$2,220.00	\$220.00
29	EXCAVATION, ROCK (TRENCH)	CY	50.00	\$75.00	\$3,750.00	1,166.70	\$87,502.50	\$83,752.50
30	COMMON UTILITY TRENCH	LF	1,602.00	\$4.75	\$7,609.50	878.00	\$4,170.50	(\$3,439.00)
31	WATER MAIN CONCRETE ENCASEMENT	EA	2.00	\$875.00	\$1,750.00	4.00	\$3,500.00	\$1,750.00
32	CONTROLLED LOW STRENGTH BACKFILL MATERIAL (TRENCH)	CY	50.00	\$135.00	\$6,750.00	11.00	\$1,485.00	(\$5,265.00)
33	IMPORTED BACKFILL MATERIAL (TRENCH)	CY	200.00	\$10.00	\$2,000.00	0.00	\$0.00	(\$2,000.00)
34	TYPE I BEDDING MATERIAL	T	100.00	\$20.00	\$2,000.00	0.00	\$0.00	(\$2,000.00)
35	TYPE II FOUNDATION MATERIAL	T	100.00	\$17.50	\$1,750.00	60.40	\$1,057.00	(\$693.00)
36	TYPE III FOUNDATION MATERIAL	T	100.00	\$20.00	\$2,000.00	0.00	\$0.00	(\$2,000.00)
37	8" PVC SEWER MAIN (6'- 8')	LF	156.00	\$39.45	\$6,154.20	502.00	\$19,803.90	\$13,649.70
38	8" PVC SEWER MAIN (8'-10')	LF	431.00	\$50.25	\$21,657.75	375.00	\$18,843.75	(\$2,814.00)
39	8" PVC SEWER MAIN (10'-12')	LF	685.00	\$61.00	\$41,785.00	685.00	\$41,785.00	\$0.00
40	8" PVC SEWER MAIN (12'-14')	LF	458.00	\$80.00	\$36,640.00	217.00	\$17,360.00	(\$19,280.00)
41	4" PVC SEWER SERVICE LINE	LF	780.00	\$60.00	\$46,800.00	771.00	\$46,260.00	(\$540.00)
42	STANDARD MANHOLE, 48"	EA	8.00	\$3,500.00	\$28,000.00	7.00	\$24,500.00	(\$3,500.00)
43	TERMINATION MANHOLE	EA	3.00	\$3,300.00	\$9,900.00	3.00	\$9,900.00	\$0.00
44	EXTRA MANHOLE DEPTH, 48"	VF	48.90	\$400.00	\$19,560.00	41.00	\$16,400.00	(\$3,160.00)
45	4" PVC SEWER CLEANOUT	EA	28.00	\$185.00	\$5,180.00	26.00	\$4,810.00	(\$370.00)
46	RECONNECT SEWER SERVICE	EA	28.00	\$225.00	\$6,300.00	26.00	\$5,850.00	(\$450.00)
47	CONNECT TO EXISTING MANHOLE	EA	0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00
48	CONNECT TO EXISTING INLET	EA	1.00	\$750.00	\$750.00	1.00	\$750.00	\$0.00
49	BYPASS PUMPING	LS	1.00	\$2,375.00	\$2,375.00	0.00	\$0.00	(\$2,375.00)
50	6" PVC WATER MAIN C-900, CLASS 200, CERTA LOK	LF	58.00	\$50.00	\$2,900.00	59.00	\$2,950.00	\$50.00
51	8" PVC WATER MAIN C-900, CLASS 200, CERTA LOK	LF	965.00	\$65.00	\$62,725.00	965.00	\$62,725.00	\$0.00
52	10" PVC WATER MAIN C-900, CLASS 200, CERTA LOK	LF	807.00	\$75.00	\$60,525.00	807.00	\$60,525.00	\$0.00
53	6" 11.25 DEGREE BEND	EA	1.00	\$650.00	\$650.00	1.00	\$650.00	\$0.00
54	6" 22.5 DEGREE BEND	EA	1.00	\$565.00	\$565.00	0.00	\$0.00	(\$565.00)
55	6" 45 DEGREE BEND	EA	3.00	\$420.00	\$1,260.00	4.00	\$1,680.00	\$420.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
56	8" 11.25 DEGREE BEND	EA	1.00	\$820.00	\$820.00	2.00	\$1,640.00	\$820.00
57	8" 22.5 DEGREE BEND	EA	2.00	\$670.00	\$1,340.00	2.00	\$1,340.00	\$0.00
58	8" 45 DEGREE BEND	EA	4.00	\$665.00	\$2,660.00	2.00	\$1,330.00	(\$1,330.00)
59	10" 22.5 DEGREE BEND	EA	1.00	\$785.00	\$785.00	5.00	\$3,925.00	\$3,140.00
60	6" STANDARD COUPLING	EA	1.00	\$450.00	\$450.00	1.00	\$450.00	\$0.00
61	10" STANDARD COUPLING	EA	1.00	\$700.00	\$700.00	0.00	\$0.00	(\$700.00)
62	8" HIGH DEFLECTION COUPLING	EA	1.00	\$420.00	\$420.00	1.00	\$420.00	\$0.00
63	8" X 6" REDUCER	EA	3.00	\$650.00	\$1,950.00	2.00	\$1,300.00	(\$650.00)
64	10" X 6" REDUCER	EA	1.00	\$580.00	\$580.00	0.00	\$0.00	(\$580.00)
65	10" X 10" X 6" TEE	EA	2.00	\$1,035.00	\$2,070.00	2.00	\$2,070.00	\$0.00
66	10" X 10" X 8" TEE	EA	3.00	\$1,085.00	\$3,255.00	3.00	\$3,255.00	\$0.00
67	8" GATE VALVE W/ BOX	EA	3.00	\$1,850.00	\$5,550.00	3.00	\$5,550.00	\$0.00
68	10" GATE VALVE W/ BOX	EA	4.00	\$2,525.00	\$10,100.00	4.00	\$10,100.00	\$0.00
69	FIRE HYDRANT W/AUX VALVE, BOX & LEAD	EA	5.00	\$5,400.00	\$27,000.00	5.00	\$27,000.00	\$0.00
70	1" COPPER SERVICE	LF	776.00	\$43.00	\$33,368.00	715.00	\$30,745.00	(\$2,623.00)
71	TRENCHLESS	LF	0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00
72	1" TAPPING SADDLE	EA	30.00	\$275.00	\$8,250.00	28.00	\$7,700.00	(\$550.00)
73	1" CURB STOP & BOX	EA	30.00	\$600.00	\$18,000.00	28.00	\$16,800.00	(\$1,200.00)
74	CONNECT TO EXISTING WATER MAIN	EA	2.00	\$440.00	\$880.00	2.00	\$880.00	\$0.00
75	RECONNECT WATER SERVICE	EA	30.00	\$200.00	\$6,000.00	28.00	\$5,600.00	(\$400.00)
76	STATION	EA	5.00	\$425.00	\$2,125.00	5.00	\$2,125.00	\$0.00
77	TEMPORARY WATER MAIN CONNECTION	EA	2.00	\$7,000.00	\$14,000.00	2.00	\$14,000.00	\$0.00
78	15" RCP, CLASS III	LF	382.00	\$55.00	\$21,010.00	382.00	\$21,010.00	\$0.00
79	STORM SEWER MANHOLE, 48"	EA	1.00	\$3,150.00	\$3,150.00	1.00	\$3,150.00	\$0.00
80	TYPE "B" INLET	EA	8.00	\$3,660.00	\$29,280.00	8.00	\$29,280.00	\$0.00
81	EROSION AND WATER POLLUTION CONTROL	LS	1.00	\$4,150.00	\$4,150.00	1.00	\$4,150.00	\$0.00
82	WATER FOR DUST CONTROL	MGAL	20.00	\$45.00	\$900.00	0.00	\$0.00	(\$900.00)
83	9" WATTLES	LF	100.00	\$5.00	\$500.00	50.00	\$250.00	(\$250.00)
84	CONSTRUCTION ENTRANCE-VEHICLE TRACKING CONTROL	EA	3.00	\$750.00	\$2,250.00	1.00	\$750.00	(\$1,500.00)
85	GRAVEL FILTER SOCKS	LF	25.00	\$5.25	\$131.25	25.00	\$131.25	\$0.00
86	EROSION CONTROL, INLET PROTECTION	EA	14.00	\$110.00	\$1,540.00	13.00	\$1,430.00	(\$110.00)

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
87	TRIANGULAR SILT BARRIER	LF	78.00	\$27.00	\$2,106.00	0.00	\$0.00	(\$2,106.00)
88	AGGREGATE BASE COURSE, 3/4"	T	1,559.00	\$33.50	\$52,226.50	2,029.90	\$68,001.65	\$15,775.15
89	TEMPORARY	T	650.00	\$26.00	\$16,900.00	1,413.20	\$36,743.20	\$19,843.20
90	SOIL SUPPORT FABRIC/GEOGRID	SY	100.00	\$5.80	\$580.00	23.00	\$133.40	(\$446.60)
91	AC, CLASS G, TYPE 1 PG64-28	T	1,332.00	\$107.00	\$142,524.00	1,473.80	\$157,696.60	\$15,172.60
92	AC OVERLAY, CLASS G, TYPE 1 PG64-28	T	168.00	\$117.00	\$19,656.00	153.50	\$17,959.50	(\$1,696.50)
93	AC PATCHING, CLASS G, TYPE 1 PG64-28	T	22.00	\$220.00	\$4,840.00	20.00	\$4,400.00	(\$440.00)
94	ASPHALT COMPACTION TESTS	EA	4.00	\$95.00	\$380.00	7.00	\$665.00	\$285.00
95	PCC APPROACH PAVEMENT, 6" NONREINFORCED	SY	409.10	\$62.00	\$25,364.20	409.10	\$25,364.20	\$0.00
96	PCC DRIVEWAY PAVEMENT, 4" NONREINFORCED	SY	138.20	\$43.25	\$5,977.15	197.10	\$8,524.58	\$2,547.43
97	CONCRETE CURB & GUTTER, TYPE B6-6	LF	2,654.80	\$24.35	\$64,644.38	2,654.80	\$64,644.38	\$0.00
98	CONCRETE "P6" GUTTER	LF	590.10	\$21.00	\$12,392.10	590.10	\$12,392.10	\$0.00
99	CONCRETE FILLET & PAN, 6" REINFORCED	SY	211.20	\$80.65	\$17,033.28	211.20	\$17,033.28	\$0.00
100	CONCRETE SIDEWALK, 4" NON-REINFORCED	SF	64.00	\$13.35	\$854.40	64.00	\$854.40	\$0.00
101	4' X 12' X 4" TEMPORARY MAILBOX PAD	EA	1.00	\$880.00	\$880.00	0.00	\$0.00	(\$880.00)
102	4' X 4' X 4" PERMANENT MAILBOX PAD	EA	3.00	\$530.00	\$1,590.00	0.00	\$0.00	(\$1,590.00)
103	ROAD SIGN	SF	24.60	\$19.00	\$467.40	24.60	\$467.40	\$0.00
104	SIGN POST	LF	49.50	\$20.00	\$990.00	49.50	\$990.00	\$0.00
105	TRAFFIC CONTROL	LS	1.00	\$2,900.00	\$2,900.00	1.00	\$2,900.00	\$0.00
106	FLAGGING	HR	900.00	\$29.00	\$26,100.00	1,128.50	\$32,726.50	\$6,626.50
107	CONNECT TO EXISTING SEWER MAIN	EA	2.00	\$1,160.00	\$2,320.00	1.00	\$1,160.00	(\$1,160.00)
108	10" 90 DEGREE BEND	EA	1.00	\$800.00	\$800.00	1.00	\$800.00	\$0.00
109	CONNECT TO EXISTING MANHOLE	EA	0.00	1250.00	\$0.00	1.00	\$1,250.00	\$1,250.00
110	CEDAR HILLS RESERVOIR DEMO REVISIONS	LS	0.00	-4820.75	\$0.00	1.00	(\$4,820.75)	(\$4,820.75)
111	MODIFY STANDARD MANHOLE INTO DROP MANHOLE	EA	0.00	960.00	\$0.00	2.00	\$1,920.00	\$1,920.00
112	REPAIR BREAK IN EXISTING WATER MAIN	EA	0.00	1432.24	\$0.00	3.00	\$4,296.72	\$4,296.72
113	SEWER AND WATER MAIN INSULATION	SF	0.00	5.36	\$0.00	336.00	\$1,800.96	\$1,800.96

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
114	MODIFY ROOF DRAINS & CONNECT TO GUTTER	EA	0.00	213.50	\$0.00	5.00	\$1,067.50	\$1,067.50
115	TEMPORARY WATER MAIN AND SERVICES	LS	0.00	26205.60	\$0.00	1.00	\$26,205.60	\$26,205.60
116	2" WATER SERVICE TAP - 2218 PINE CREST	EA	0.00	3123.15	\$0.00	1.00	\$3,123.15	\$3,123.15
117	EXPLOARATORY EXCAVATION - 4326 MINNEKAHTA	LS	0.00	3000.00	\$0.00	1.00	\$3,000.00	\$3,000.00
118	REMOVE & RE-LAY DRIVEWAY PAVERS - 2217 S CEDAR	LS	0.00	3387.76	\$0.00	1.00	\$3,387.76	\$3,387.76
119	NEW MAILBOX	LS	0.00	186.95	\$0.00	20.00	\$3,739.00	\$3,739.00
120	STEP IN DRIVEWAY - 2211 PINE CREST	LS	0.00	760.00	\$0.00	1.00	\$760.00	\$760.00
121	DEMOBILIZATION	LS	0.00	6926.13	\$0.00	1.00	\$6,926.13	\$6,926.13
122	MOBILIZATION	LS	0.00	7395.75	\$0.00	1.00	\$7,395.75	\$7,395.75
TOTAL					\$1,229,852.36		\$1,346,912.16	\$117,059.80

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$1,229,852.36
CCO #1F	\$117,059.80	NET INCREASE/(DECREASE):	\$117,059.80
	\$0.00	ADJUSTED CONTRACT PRICE:	\$1,346,912.16
	\$0.00	CHANGE TO DATE:	\$117,059.80

 CONTRACTOR: HILLS MATERIALS CO.	11/20/15 DATE
 PROJECT MANAGER: KLARE SCHROEDER, P.E.	11/20/15 DATE
 CITY ENGINEER: DALE TECH, P.E. / L.S.	11-24-15 DATE
MAYOR: STEVE ALLENDER	DATE
FINANCE: PAULINE SUMPTION	DATE
CONTRACT TIME CHANGE +/-: 0	NEW CONTRACT TIME: Days

City Staff recommends approval of this Change Order #1F to Hills Materials Co. for an increase of \$117,059.80 based on unit pricing with the following appropriation:

Initial Funding	\$463,500.30	\$504,881.35	\$205,230.71	\$56,240.00		\$1,229,852.36
Fund Type	Sanitary Sewer	Water	Streets	Drainage		
Department	0833	0933	8910	8911		
Line Item	4380	4381	4370	4371		
Fund	0604	0602	0505	0505		
CCO #1F	\$32,578.29	\$80,924.31	\$3,557.20	\$0.00		\$117,059.80
						\$0.00
						\$0.00
Adjusted Funding	\$496,078.59	\$585,805.66	\$208,787.91	\$56,240.00	\$1,346,912.16	\$1,346,912.16

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F
MINNEKAHTA DRIVE AREA WATERMAIN AND SANITARY SEWER RECONSTRUCTION
PROJECT NO. 11-1980 / CIP NO. 50826
NOVEMBER 13, 2015
ORIGINAL CONTRACT AMOUNT: \$1,229,852.36
CONTRACTOR: HILLS MATERIALS COMPANY

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
4	CORNERS	Actual quantity needing to be reset - none.
5	CLEARING & GRUBBING, TREES	Actual quantity required to be removed was less than plans estimated.
7	REMOVE MANHOLE	Actual quantity required to be removed was less than plans estimated.
9	REMOVE CURB STOP AND BOX	Actual quantity required to be removed was less than plans estimated.
12	SAWING, ASPHALT PAVEMENT	Actual quantity required to be sawed was less than plans estimated.
13	EDGE MILL & REMOVE AC PAVEMENT, 2" TO 0"	Actual quantity required to be milled was less than plans estimated.
15	REMOVE PCC DRIVEWAY PAVEMENT	Actual quantity required to be removed was more than plans estimated.
20	REMOVE MAILBOX	Actual quantity required to be removed was less than plans estimated.
21	AASHTO T-180 SOIL TEST	Actual quantity required to be removed was less than plans estimated.
22	EXCAVATION, UNCLASSIFIED	Actual quantity required to be removed was more than plans estimated due to grade change in field.
23	EXCAVATION, UNCLASSIFIED-DIGOUTS W/ NATIVE MATERIAL	None used.
24	EXCAVATION, UNCLASSIFIED-DIGOUTS W/ AGGREGATE BASE	None used.
25	EXCAVATION, ROCK (GRADING)	Actual quantity required to be removed was less than plans estimated.
27	SODDING	Actual quantity required to be removed was less than plans estimated.
28	MULCHING	Actual quantity required to be removed was more than plans estimated.
29	EXCAVATION, ROCK (TRENCH)	Actual quantity required to be removed was more than plans estimated due to unanticipated rock present.
30	COMMON UTILITY TRENCH	Actual quantity required to be installed was less than plans estimated.
31	WATER MAIN CONCRETE ENCASEMENT	Actual quantity required to be installed was more than plans estimated.
32	CONTROLLED LOW STRENGTH BACKFILL MATERIAL (TRENCH)	Actual quantity required to be removed was less than plans estimated.
33	IMPORTED BACKFILL MATERIAL (TRENCH)	None used.
34	TYPE I BEDDING MATERIAL	None used.
35	TYPE II FOUNDATION MATERIAL	Actual quantity required to be removed was less than plans estimated.
36	TYPE III FOUNDATION MATERIAL	None used.
37	8" PVC SEWER MAIN (6'- 8')	Actual quantity required to be removed was less than plans estimated.
38	8" PVC SEWER MAIN (8'-10')	Actual quantity required to be removed was less than plans estimated.

39	8" PVC SEWER MAIN (10'-12')	Actual quantity required to be removed was less than plans estimated.
40	8" PVC SEWER MAIN (12'-14')	Actual quantity required to be removed was less than plans estimated.
41	4" PVC SEWER SERVICE LINE	Actual quantity required to be removed was less than plans estimated.
42	STANDARD MANHOLE, 48"	Actual quantity required to be removed was less than plans estimated.
44	EXTRA MANHOLE DEPTH, 48"	Actual quantity required to be removed was less than plans estimated.
45	4" PVC SEWER CLEANOUT	Actual quantity required to be removed was less than plans estimated.
49	BYPASS PUMPING	Actual quantity required to be removed was less than plans estimated.
50	6" PVC WATER MAIN C-900, CLASS 200, CERTA LOK	Actual quantity required to be removed was more than plans estimated.
54	6" 22.5 DEGREE BEND	None used.
55	6" 45 DEGREE BEND	Actual quantity was more than plans estimated.
56	8" 11.25 DEGREE BEND	Actual quantity was more than plans estimated.
58	8" 45 DEGREE BEND	Actual quantity was less than plans estimated.
59	10" 22.5 DEGREE BEND	Actual quantity was more than plans estimated.
61	10" STANDARD COUPLING	Actual quantity was less than plans estimated.
63	8" X 6" REDUCER	Actual quantity was less than plans estimated.
64	10" X 6" REDUCER	Actual quantity was less than plans estimated.
70	1" COPPER SERVICE	Actual quantity was less than plans estimated.
72	1" TAPPING SADDLE	Actual quantity was less than plans estimated.
73	1" CURB STOP & BOX	Actual quantity was less than plans estimated.
75	RECONNECT WATER SERVICE	Actual quantity was less than plans estimated.
82	WATER FOR DUST CONTROL	Actual quantity was less than plans estimated.
83	9" WATTLES	Actual quantity was less than plans estimated.
84	CONSTRUCTION ENTRANCE-VEHICLE TRACKING CONTROL	Actual quantity was less than plans estimated.
86	EROSION CONTROL, INLET PROTECTION	Actual quantity was less than plans estimated.
87	TRIANGULAR SILT BARRIER	Actual quantity was less than plans estimated.
88	AGGREGATE BASE COURSE, 3/4"	Actual quantity was more than plans estimated.
89	TEMPORARY	Actual quantity was more than plans estimated.
90	SOIL SUPPORT FABRIC/GEOGRID	Actual quantity was less than plans estimated.
91	AC, CLASS G, TYPE 1 PG64-28	Actual quantity was more than plans estimated.
92	AC OVERLAY, CLASS G, TYPE 1 PG	Actual quantity was less than plans estimated.
93	AC PATCHING, CLASS G, TYPE 1 PG	Actual quantity was less than plans estimated.
94	ASPHALT COMPACTION TESTS	Actual quantity was more than plans estimated.
96	PCC DRIVEWAY PAVEMENT, 4" NONREINFORCED	Actual quantity was more than plans estimated.
101	4' X 12' X 4" TEMPORARY MAILBOX PAD	Actual quantity was less than plans estimated.
102	4' X 4' X 4" PERMANENT MAILBOX PAD	Actual quantity was less than plans estimated.
106	FLAGGING	Actual quantity was more than plans estimated.
107	CONNECT TO EXISTING SEWER MAIN	Actual quantity was less than plans estimated.
109	CONNECT TO EXISTING MANHOLE	Existing manhole left in place and line was connected to it instead.

110	CEDAR HILLS RESERVOIR DEMO REVISIONS	Existing tank left in place and filled with dirt; then sealed shut.
111	MODIFY STANDARD MANHOLE INTO DROP MANHOLE	Sewerline shallowed up to avoid rock excavating requiring a drop.
112	REPAIR BREAK IN EXISTING WATER MAIN	Poor condition of existing line resulted in several breaks which required repair.
113	SEWER AND WATER MAIN INSULATION	Shallowed sewer line required insulation to avoid freezing.
114	MODIFY ROOF DRAINS & CONNECT TO GUTTER	Found several drains attached to old curb which required reconnections.
115	TEMPORARY WATER MAIN AND SERVICES	Additional temporary waterline required due to rock found and old trench used instead of moving.
116	2" WATER SERVICE TAP - 2218 PINE CREST	Additional pool service located which required hookup.
117	EXPLOARATORY EXCAVATION - 4326 MINNEKAHTA	Service mis-located.
118	REMOVE & RE-LAY DRIVEWAY PAVERS - 2217 S CEDAR	Service crossed corner of driveway with brick pavers requiring replacement.
119	NEW MAILBOX	Actual quantity used to complete the project.
120	STEP IN DRIVEWAY - 2211 PINE CREST	Terrain required two adjacent driveways to be graded with wall transition.
121	DEMOBILIZATION	Winter shutdown due to rock exc. time needed.
122	MOBILIZATION	Spring start up due to rock exc. time taken.

PREPARED BY: Klare Schroeder, P.E.

DATE: November 13, 2015

FUNDING TYPE		Sanitary Sewer		Water		Streets		Drainage		
COST CENTER		0833		0933		8910		8911		
LINE ITEM		4380		4381		4370		4371		
FUND		0604		0602		0505		0505		
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	
1	MOBILIZATION	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
2	INCIDENTAL	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
3	CONSTRUCTION STAKING	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
4	REESTABLISH PROPERTY CORNERS	-300.00	40%	-300.00	40%	-150.00	20%	0.00	0%	100%
5	CLEARING & GRUBBING, TREES	-1,920.00	40%	-1,920.00	40%	-960.00	20%	0.00	0%	100%
6	CLEARING & GRUBBING	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
7	REMOVE MANHOLE	-5,250.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
8	REMOVE & SALVAGE FIRE HYDRANT, VALVE AND BOX	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
9	REMOVE CURB STOP AND BOX	0.00	0%	-120.00	100%	0.00	0%	0.00	0%	100%
10	REMOVE STORM SEWER MAIN	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
11	REMOVE TYPE "E" INLET	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
12	SAWING, ASPHALT PAVEMENT	-2,016.00	40%	-2,016.00	40%	-1,008.00	20%	0.00	0%	100%
13	EDGE MILL & REMOVE AC PAVEMENT, 2" TO 0"	0.00	0%	0.00	0%	-580.00	100%	0.00	0%	100%
14	REMOVE AC PAVEMENT	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
15	REMOVE PCC DRIVEWAY PAVEMENT	464.00	40%	464.00	40%	232.00	20%	0.00	0%	100%
16	REMOVE CONCRETE CURB & GUTTER	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
17	REMOVE PCC SIDEWALK	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
18	REMOVE RETAINING WALL	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
19	REMOVE & REPLACE CONCRETE CURB & GUTTER	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
20	REMOVE MAILBOX	225.00	50%	225.00	50%	0.00	0%	0.00	0%	100%
21	AASHTO T-180 SOIL TEST	-198.00	40%	-198.00	40%	-99.00	20%	0.00	0%	100%
22	EXCAVATION, UNCLASSIFIED	0.00	0%	0.00	0%	4,994.00	100%	0.00	0%	100%
23	EXCAVATION, UNCLASSIFIED-DIGOUTS W/ NATIVE MATERIAL	0.00	0%	0.00	0%	-1,500.00	100%	0.00	0%	100%
24	EXCAVATION, UNCLASSIFIED-DIGOUTS W/ AGGREGATE BASE	0.00	0%	0.00	0%	-7,500.00	100%	0.00	0%	100%

25	EXCAVATION, ROCK (GRADING)	-4,500.00	40%	-4,500.00	40%	-2,250.00	20%	0.00	0%	100%
26	REPLACE	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
27	SODDING	-3,520.00	40%	-3,520.00	40%	-1,760.00	20%	0.00	0%	100%
28	MULCHING	88.00	40%	88.00	40%	44.00	20%	0.00	0%	100%
29	EXCAVATION, ROCK (TRENCH)	41,876.25	50%	41,876.25	50%	0.00	0%	0.00	0%	100%
30	COMMON UTILITY TRENCH	-1,719.50	50%	-1,719.50	50%	0.00	0%	0.00	0%	100%
31	WATER MAIN CONCRETE ENCASEMENT	0.00	0%	1,750.00	100%	0.00	0%	0.00	0%	100%
32	CONTROLLED LOW STRENGTH BACKFILL MATERIAL (TRENCH)	-2,632.50	50%	-2,632.50	50%	0.00	0%	0.00	0%	100%
33	IMPORTED BACKFILL MATERIAL (TRENCH)	-1,000.00	50%	-1,000.00	50%	0.00	0%	0.00	0%	100%
34	TYPE I BEDDING MATERIAL	-1,000.00	50%	-1,000.00	50%	0.00	0%	0.00	0%	100%
35	TYPE II FOUNDATION MATERIAL	-346.50	50%	-346.50	50%	0.00	0%	0.00	0%	100%
36	TYPE III FOUNDATION MATERIAL	-1,000.00	50%	-1,000.00	50%	0.00	0%	0.00	0%	100%
37	8" PVC SEWER MAIN (6'- 8')	13,649.70	100%	0.00	0%	0.00	0%	0.00	0%	100%
38	8" PVC SEWER MAIN (8'-10')	-2,814.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
39	8" PVC SEWER MAIN (10'-12')	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
40	8" PVC SEWER MAIN (12'-14')	-19,280.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
41	4" PVC SEWER SERVICE LINE	-540.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
42	STANDARD MANHOLE, 48"	-3,500.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
43	TERMINATION MANHOLE	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
44	EXTRA MANHOLE DEPTH, 48"	-3,160.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
45	4" PVC SEWER CLEANOUT	-370.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
46	RECONNECT SEWER SERVICE	-450.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
47	MANHOLE	0.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
48	CONNECT TO EXISTING INLET	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
49	BYPASS PUMPING	-2,375.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
50	6" PVC WATER MAIN C-900, CLASS 200, CERTA LOK	0.00	0%	50.00	100%	0.00	0%	0.00	0%	100%
51	8" PVC WATER MAIN C-900, CLASS 200, CERTA LOK	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
52	10" PVC WATER MAIN C-900, CLASS 200, CERTA LOK	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
53	6" 11.25 DEGREE BEND	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
54	6" 22.5 DEGREE BEND	0.00	0%	-565.00	100%	0.00	0%	0.00	0%	100%
55	6" 45 DEGREE BEND	0.00	0%	420.00	100%	0.00	0%	0.00	0%	100%
56	8" 11.25 DEGREE BEND	0.00	0%	820.00	100%	0.00	0%	0.00	0%	100%
57	8" 22.5 DEGREE BEND	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
58	8" 45 DEGREE BEND	0.00	0%	-1,330.00	100%	0.00	0%	0.00	0%	100%

59	10" 22.5 DEGREE BEND	0.00	0%	3,140.00	100%	0.00	0%	0.00	0%	100%
60	6" STANDARD COUPLING	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
61	10" STANDARD COUPLING	0.00	0%	-700.00	100%	0.00	0%	0.00	0%	100%
62	8" HIGH DEFLECTION COUPLING	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
63	8" X 6" REDUCER	0.00	0%	-650.00	100%	0.00	0%	0.00	0%	100%
64	10" X 6" REDUCER	0.00	0%	-580.00	100%	0.00	0%	0.00	0%	100%
65	10" X 10" X 6" TEE	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
66	10" X 10" X 8" TEE	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
67	8" GATE VALVE W/ BOX	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
68	10" GATE VALVE W/ BOX	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
69	FIRE HYDRANT W/AUX VALVE, BOX & LEAD	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
70	1" COPPER SERVICE	0.00	0%	-2,623.00	100%	0.00	0%	0.00	0%	100%
71	TRENCHLESS	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
72	1" TAPPING SADDLE	0.00	0%	-550.00	100%	0.00	0%	0.00	0%	100%
73	1" CURB STOP & BOX	0.00	0%	-1,200.00	100%	0.00	0%	0.00	0%	100%
74	CONNECT TO EXISTING WATER MAIN	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
75	RECONNECT WATER SERVICE	0.00	0%	-400.00	100%	0.00	0%	0.00	0%	100%
76	STATION	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
77	TEMPORARY WATER MAIN CONNECTION	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
78	15" RCP, CLASS III	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
79	STORM SEWER MANHOLE, 48"	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
80	TYPE "B" INLET	0.00	0%	0.00	0%	0.00	0%	0.00	100%	100%
81	EROSION AND WATER POLLUTION CONTROL	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
82	WATER FOR DUST CONTROL	-360.00	40%	-360.00	40%	-180.00	20%	0.00	0%	100%
83	9" WATTLES	-100.00	40%	-100.00	40%	-50.00	20%	0.00	0%	100%
84	CONSTRUCTION ENTRANCE- VEHICLE TRACKING CONTROL	-600.00	40%	-600.00	40%	-300.00	20%	0.00	0%	100%
85	GRAVEL FILTER SOCKS	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
86	EROSION CONTROL, INLET PROTECTION	-44.00	40%	-44.00	40%	-22.00	20%	0.00	0%	100%
87	TRIANGULAR SILT BARRIER	-842.40	40%	-842.40	40%	-421.20	20%	0.00	0%	100%
88	AGGREGATE BASE COURSE, 3/4"	6,310.06	40%	6,310.06	40%	3,155.03	20%	0.00	0%	100%
89	TEMPORARY	7,937.28	40%	7,937.28	40%	3,968.64	20%	0.00	0%	100%
90	FABRIC/GEOGRID	-178.64	40%	-178.64	40%	-89.32	20%	0.00	0%	100%
91	AC, CLASS G, TYPE 1 PG64-28	6,069.04	40%	6,069.04	40%	3,034.52	20%	0.00	0%	100%

92	AC OVERLAY, CLASS G, TYPE 1 PG64-28	0.00	0%	0.00	0%	-1,696.50	100%	0.00	0%	100%
93	AC PATCHING, CLASS G, TYPE 1 PG64-28	0.00	0%	0.00	0%	-440.00	100%	0.00	0%	100%
94	ASPHALT COMPACTION TESTS	0.00	0%	0.00	0%	285.00	100%	0.00	0%	100%
95	PCC APPROACH PAVEMENT, 6" NONREINFORCED	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
96	PCC DRIVEWAY PAVEMENT, 4" NONREINFORCED	1,018.97	40%	1,018.97	40%	509.49	20%	0.00	0%	100%
97	CONCRETE CURB & GUTTER, TYPE B6-6	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
98	CONCRETE "P6" GUTTER	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
99	CONCRETE FILLET & PAN, 6" REINFORCED	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
100	CONCRETE SIDEWALK, 4" NON- REINFORCED	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
101	4' X 12' X 4" TEMPORARY MAILBOX PAD	-352.00	40%	-352.00	40%	-176.00	20%	0.00	0%	100%
102	4' X 4' X 4" PERMANENT MAILBOX PAD	-636.00	40%	-636.00	40%	-318.00	20%	0.00	0%	100%
103	ROAD SIGN	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
104	SIGN POST	0.00	0%	0.00	0%	0.00	100%	0.00	0%	100%
105	TRAFFIC CONTROL	0.00	40%	0.00	40%	0.00	20%	0.00	0%	100%
106	FLAGGING	2,650.60	40%	2,650.60	40%	1,325.30	20%	0.00	0%	100%
107	CONNECT TO EXISTING SEWER MAIN	-1,160.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
108	10" 90 DEGREE BEND	0.00	0%	0.00	100%	0.00	0%	0.00	0%	100%
109	MANHOLE	1,250.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
110	CEDAR HILLS RESERVOIR DEMO REVISIONS	0.00	0%	-4,820.75	100%	0.00	0%	0.00	0%	100%
111	MODIFY STANDARD MANHOLE INTO DROP MANHOLE	1,920.00	100%	0.00	0%	0.00	0%	0.00	0%	100%
112	REPAIR BREAK IN EXISTING WATER MAIN	0.00	0%	4,296.72	100%	0.00	0%	0.00	0%	100%
113	SEWER AND WATER MAIN INSULATION	900.48	50%	900.48	50%	0.00	0%	0.00	0%	100%
114	MODIFY ROOF DRAINS & CONNECT TO GUTTER	0.00	0%	0.00	0%	1,067.50	100%	0.00	0%	100%
115	TEMPORARY WATER MAIN AND SERVICES	0.00	0%	26,205.60	100%	0.00	0%	0.00	0%	100%
116	2" WATER SERVICE TAP - 2218 PINE CREST	0.00	0%	3,123.15	100%	0.00	0%	0.00	0%	100%
117	EXPLOARATORY EXCAVATION - 4326 MINNEKAHTA	1,500.00	50%	1,500.00	50%	0.00	0%	0.00	0%	100%

118	REMOVE & RE-LAY DRIVEWAY PAVERS - 2217 S CEDAR	1,355.10	40%	1,355.10	40%	677.55	20%	0.00	0%	100%
119	NEW MAILBOX	1,495.60	40%	1,495.60	40%	747.80	20%	0.00	0%	100%
120	STEP IN DRIVEWAY - 2211 PINE CREST	304.00	40%	304.00	40%	152.00	20%	0.00	0%	100%
121	DEMOBILIZATION	2,770.45	40%	2,770.45	40%	1,385.23	20%	0.00	0%	100%
122	MOBILIZATION	2,958.30	40%	2,958.30	40%	1,479.15	20%	0.00	0%	100%
		\$32,578.29		\$80,924.31		\$3,557.20		\$0.00		\$117,059.80