

**CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2**  
**Mount Rushmore Road Utility Reconstruction - Tower Road to Flormann Street**  
**PROJECT NO. 11-1926 / CIP NO. 50840**  
**JANUARY 19, 2016**  
**ORIGINAL CONTRACT AMOUNT: \$1,926,986.63**  
**CONTRACTOR: Reede Construction**



CO	LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
	1	Mobilization	LS	1.00	\$187,500.00	\$187,500.00	1.00	\$187,500.00	\$0.00
	2	Construction Staking	LS	1.00	\$8,872.50	\$8,872.50	1.00	\$8,872.50	\$0.00
	3	Clear and Grub Tree	Each	1.00	\$525.00	\$525.00	1.00	\$525.00	\$0.00
	4	Clearing	LS	1.00	\$5,250.00	\$5,250.00	1.00	\$5,250.00	\$0.00
	5	Remove Concrete Channel	SqYd	8.20	\$8.40	\$68.88	8.20	\$68.88	\$0.00
CO2	6	Remove Curb Stop	Each	8.00	\$210.00	\$1,680.00	9.00	\$1,890.00	\$210.00
	7	Remove Manhole	Each	5.00	\$997.50	\$4,987.50	5.00	\$4,987.50	\$0.00
	8	Remove Manhole Frame and Lid	Each	2.00	\$262.50	\$525.00	2.00	\$525.00	\$0.00
	9	Remove Sewer Pipe	Ft	42.00	\$31.50	\$1,323.00	42.00	\$1,323.00	\$0.00
CO2	10	Remove Asphalt Concrete Pavement	SqYd	212.60	\$8.40	\$1,785.84	347.00	\$2,914.80	\$1,128.96
CO2	11	Remove Concrete Pavement	SqYd	71.10	\$10.50	\$746.55	71.00	\$745.50	(\$1.05)
	12	Remove Sediment	CuYd	20.00	\$5.25	\$105.00	20.00	\$105.00	\$0.00
	13	Remove Erosion Control Wattle	Ft	1,277.00	\$0.89	\$1,136.53	1,277.00	\$1,136.53	\$0.00
	14	Remove Sediment Filter Bag	Ft	276.00	\$0.89	\$245.64	276.00	\$245.64	\$0.00
CO2	15	Remove Contaminated Water	MGal	50.00	\$105.00	\$5,250.00	0.00	\$0.00	(\$5,250.00)
	16	Salvage Fire Hydrant	Each	5.00	\$420.00	\$2,100.00	5.00	\$2,100.00	\$0.00
	17	Salvage Valve and Valve Box	Each	22.00	\$210.00	\$4,620.00	22.00	\$4,620.00	\$0.00
	18	Remove Manhole Frame and Lid for Reset	Each	3.00	\$787.50	\$2,362.50	3.00	\$2,362.50	\$0.00
	19	Unclassified Excavation	CuYd	1,082.00	\$7.35	\$7,952.70	1,082.00	\$7,952.70	\$0.00
CO2	20	Contaminated Material Excavation	CuYd	500.00	\$26.25	\$13,125.00	0.00	\$0.00	(\$13,125.00)
	21	Placing Contractor Furnished Topsoil	CuYd	130.00	\$29.40	\$3,822.00	130.00	\$3,822.00	\$0.00
	22	Placing Contractor Furnished Topsoil	CuYd	1,082.00	\$152.25	\$164,734.50	1,082.00	\$164,734.50	\$0.00
	23	Remove and Replace Topsoil	LS	1.00	\$2,625.00	\$2,625.00	1.00	\$2,625.00	\$0.00
	24	Incidental Work	LS	1.00	\$89,250.00	\$89,250.00	1.00	\$89,250.00	\$0.00
CO2	25	Base Course	Ton	125.30	\$21.00	\$2,631.30	103.60	\$2,175.60	(\$455.70)
CO2	26	Base Course	CuYd	157.00	\$29.40	\$4,615.80	0.00	\$0.00	(\$4,615.80)
CO2	27	Granular Material	Ton	100.00	\$21.00	\$2,100.00	96.00	\$2,016.00	(\$84.00)
CO2	28	Asphalt Concrete Composite	Ton	63.00	\$241.13	\$15,191.19	119.80	\$28,887.37	\$13,696.18
CO2	29	4" Barrier Type Colored and Patterned Median PC	SqYd	902.00	\$117.03	\$105,561.06	971.60	\$113,706.35	\$8,145.29
	30	4" PVC Water Main	Ft	125.00	\$44.10	\$5,512.50	125.00	\$5,512.50	\$0.00
CO2	31	6" PVC Water Main	Ft	210.00	\$48.30	\$10,143.00	182.50	\$8,814.75	(\$1,328.25)
	32	8" PVC Water Main	Ft	484.00	\$50.40	\$24,393.60	484.00	\$24,393.60	\$0.00
CO2	33	12" PVC Water Main	Ft	2,040.00	\$63.00	\$128,520.00	2,031.00	\$127,953.00	(\$567.00)
CO2	34	1" Copper Pipe	Ft	95.00	\$42.00	\$3,990.00	92.50	\$3,885.00	(\$105.00)

CO	LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
CO2	35	1.5" Copper Pipe	Ft	122.00	\$47.25	\$5,764.50	137.00	\$6,473.25	\$708.75
CO2	36	2" Copper Pipe	Ft	20.00	\$57.75	\$1,155.00	22.00	\$1,270.50	\$115.50
CO2	37	8" PVC Sewer Pipe	Ft	1,208.00	\$68.25	\$82,446.00	1,237.00	\$84,425.25	\$1,979.25
CO2	38	4" Sewer Service	Ft	220.00	\$42.00	\$9,240.00	180.00	\$7,560.00	(\$1,680.00)
CO2	39	6" Sewer Service	Ft	60.00	\$42.00	\$2,520.00	138.00	\$5,796.00	\$3,276.00
CO2	40	4" Sanitary Sewer Service Cleanout	Each	7.00	\$178.50	\$1,249.50	6.00	\$1,071.00	(\$178.50)
CO2	41	6" Sanitary Sewer Service Cleanout	Each	1.00	\$262.50	\$262.50	4.00	\$1,050.00	\$787.50
	42	8"x4" Pipe Tee	Each	1.00	\$997.50	\$997.50	1.00	\$997.50	\$0.00
	43	8"x6" Pipe Tee	Each	4.00	\$1,207.50	\$4,830.00	4.00	\$4,830.00	\$0.00
	44	12"x4" Pipe Tee	Each	3.00	\$1,470.00	\$4,410.00	3.00	\$4,410.00	\$0.00
	45	12"x6" Pipe Tee	Each	5.00	\$1,470.00	\$7,350.00	5.00	\$7,350.00	\$0.00
CO2	46	12"x8" Pipe Tee	Each	4.00	\$1,522.50	\$6,090.00	5.00	\$7,612.50	\$1,522.50
CO2	47	12"x12" Pipe Tee	Each	2.00	\$1,522.50	\$3,045.00	1.00	\$1,522.50	(\$1,522.50)
CO2	48	8"x6" Pipe Reducer	Each	4.00	\$1,680.00	\$6,720.00	3.00	\$5,040.00	(\$1,680.00)
	49	12"x6" Pipe Reducer	Each	1.00	\$630.00	\$630.00	1.00	\$630.00	\$0.00
CO2	50	12"x8" Pipe Reducer	Each	2.00	\$735.00	\$1,470.00	1.00	\$735.00	(\$735.00)
	51	16"x12" Tapping Tee	Each	1.00	\$8,925.00	\$8,925.00	1.00	\$8,925.00	\$0.00
	52	1" Corporation Stop with Tapping Saddle	Each	3.00	\$336.00	\$1,008.00	3.00	\$1,008.00	\$0.00
	53	1.5" Corporation Stop with Tapping Saddle	Each	2.00	\$441.00	\$882.00	2.00	\$882.00	\$0.00
	54	2" Corporation Stop with Tapping Saddle	Each	1.00	\$556.50	\$556.50	1.00	\$556.50	\$0.00
	55	1" Curb Stop with Box	Each	3.00	\$315.00	\$945.00	3.00	\$945.00	\$0.00
	56	1.5" Curb Stop with Box	Each	2.00	\$504.00	\$1,008.00	2.00	\$1,008.00	\$0.00
	57	2" Curb Stop with Box	Each	1.00	\$630.00	\$630.00	1.00	\$630.00	\$0.00
CO2	58	6" Pipe Bend	Each	11.00	\$787.50	\$8,662.50	16.00	\$12,600.00	\$3,937.50
CO2	59	8" Pipe Bend	Each	3.00	\$840.00	\$2,520.00	4.00	\$3,360.00	\$840.00
CO2	60	12" Pipe Bend	Each	7.00	\$1,155.00	\$8,085.00	6.00	\$6,930.00	(\$1,155.00)
	61	4" Pipe Cap	Each	3.00	\$315.00	\$945.00	3.00	\$945.00	\$0.00
	62	4" Pipe Coupling	Each	1.00	\$525.00	\$525.00	1.00	\$525.00	\$0.00
CO2	63	6" Pipe Coupling	Each	4.00	\$682.50	\$2,730.00	3.00	\$2,047.50	(\$682.50)
CO2	64	8" Pipe Coupling	Each	6.00	\$892.50	\$5,355.00	3.00	\$2,677.50	(\$2,677.50)
CO2	65	12" Pipe Coupling	Each	3.00	\$1,155.00	\$3,465.00	1.00	\$1,155.00	(\$2,310.00)
CO2	66	6" Pipe Transition Coupling	Each	1.00	\$1,050.00	\$1,050.00	0.00	\$0.00	(\$1,050.00)
	67	6" Pipe Plug	Each	1.00	\$315.00	\$315.00	1.00	\$315.00	\$0.00
	68	4" Gate Valve with Box	Each	4.00	\$1,575.00	\$6,300.00	4.00	\$6,300.00	\$0.00
	69	6" Gate Valve with Box	Each	1.00	\$1,785.00	\$1,785.00	1.00	\$1,785.00	\$0.00
CO2	70	8" Gate Valve with Box	Each	7.00	\$2,310.00	\$16,170.00	8.00	\$18,480.00	\$2,310.00
	71	12" Gate Valve with Box	Each	13.00	\$3,496.50	\$45,454.50	13.00	\$45,454.50	\$0.00
CO2	72	Tracer Wire Access Box	Each	8.00	\$840.00	\$6,720.00	17.00	\$14,280.00	\$7,560.00
	73	Fire Hydrant with Auxiliary Valve & Box	Each	8.00	\$5,460.00	\$43,680.00	8.00	\$43,680.00	\$0.00
CO2	74	Type 2 Foundation Material	Ton	500.00	\$23.10	\$11,550.00	16.00	\$369.60	(\$11,180.40)

CO	LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
CO2	75	Type 3 Foundation Material	Ton	500.00	\$24.15	\$12,075.00	0.00	\$0.00	(\$12,075.00)
CO2	76	Imported Trench Backfill	CuYd	1,200.00	\$12.60	\$15,120.00	0.00	\$0.00	(\$15,120.00)
CO2	77	Rock Excavation, Trench	CuYd	230.00	\$105.00	\$24,150.00	0.00	\$0.00	(\$24,150.00)
CO2	78	Bore and Jack 2" Pipe	Ft	129.00	\$94.50	\$12,190.50	132.00	\$12,474.00	\$283.50
	79	Remove and Reset Valve and Box	Each	1.00	\$840.00	\$840.00	1.00	\$840.00	\$0.00
	80	Reconnect Water Service	Each	11.00	\$262.50	\$2,887.50	11.00	\$2,887.50	\$0.00
	81	Connect To Existing Water Main	Each	8.00	\$2,625.00	\$21,000.00	8.00	\$21,000.00	\$0.00
CO2	82	Reconnect Sewer Service	Each	6.00	\$262.50	\$1,575.00	8.00	\$2,100.00	\$525.00
	83	Connect to Existing Sewer Main	Each	3.00	\$1,575.00	\$4,725.00	3.00	\$4,725.00	\$0.00
	84	Sewer Bypass Pumping	LS	1.00	\$12,600.00	\$12,600.00	1.00	\$12,600.00	\$0.00
	85	Test Station	Each	8.00	\$840.00	\$6,720.00	8.00	\$6,720.00	\$0.00
CO2	86	Controlled Density Fill	CuYd	10.00	\$262.50	\$2,625.00	18.00	\$4,725.00	\$2,100.00
	87	Traffic Control, Miscellaneous	LS	1.00	\$4,725.00	\$4,725.00	1.00	\$4,725.00	\$0.00
CO2	88	Linear Delineation System Panel, Barrier Mounted	Each	28.00	\$21.00	\$588.00	14.00	\$294.00	(\$294.00)
	89	Traffic Control Movable Concrete Barrier	Each	14.00	\$236.25	\$3,307.50	14.00	\$3,307.50	\$0.00
CO2	90	Remove and Reset Traffic Control Movable Concr	Each	70.00	\$131.25	\$9,187.50	0.00	\$0.00	(\$9,187.50)
CO2	91	6" Concrete Valley Gutter	Ft	18.00	\$84.74	\$1,525.32	17.40	\$1,474.48	(\$50.84)
CO2	92	4" Colored Concrete Sidewalk	SqFt	2,151.00	\$13.58	\$29,210.58	987.50	\$13,410.25	(\$15,800.33)
CO2	93	5" Reinforced Colored Concrete Sidewalk	SqFt	1,300.00	\$11.75	\$15,275.00	2,677.00	\$31,454.75	\$16,179.75
	94	48" Manhole	Each	9.00	\$5,040.00	\$45,360.00	9.00	\$45,360.00	\$0.00
	95	48" Drop Manhole	Each	1.00	\$6,090.00	\$6,090.00	1.00	\$6,090.00	\$0.00
CO2	96	48" Manhole Riser Section	Ft	6.00	\$262.50	\$1,575.00	5.00	\$1,312.50	(\$262.50)
	97	48" Manhole Cone Section	Ft	7.00	\$262.50	\$1,837.50	7.00	\$1,837.50	\$0.00
	98	2" Adjusting Ring for Manhole	Each	3.00	\$52.50	\$157.50	3.00	\$157.50	\$0.00
	99	4" Adjusting Ring for Manhole	Each	5.00	\$78.75	\$393.75	5.00	\$393.75	\$0.00
CO2	100	Extra Depth for 48" Manhole	Ft	46.00	\$157.50	\$7,245.00	55.20	\$8,694.00	\$1,449.00
	101	Special Manhole Frame and Lid	Each	8.00	\$420.00	\$3,360.00	8.00	\$3,360.00	\$0.00
	102	Manhole Frame	Each	2.00	\$262.50	\$525.00	2.00	\$525.00	\$0.00
	103	Manhole Lid	Each	2.00	\$236.25	\$472.50	2.00	\$472.50	\$0.00
	104	Manhole Frame & Lid, Install	Each	2.00	\$682.50	\$1,365.00	2.00	\$1,365.00	\$0.00
	105	Reset Manhole Frame and Lid	Each	3.00	\$630.00	\$1,890.00	3.00	\$1,890.00	\$0.00
	106	Adjust Manhole	Each	2.00	\$2,100.00	\$4,200.00	2.00	\$4,200.00	\$0.00
	107	Adjust and Seal Manhole	Each	3.00	\$2,625.00	\$7,875.00	3.00	\$7,875.00	\$0.00
	108	Type F Permanent Seed Mixture	Lb	20.00	\$42.26	\$845.20	20.00	\$845.20	\$0.00
	109	Fertilizing	Lb	972.00	\$1.66	\$1,613.52	972.00	\$1,613.52	\$0.00
	110	Type 2 Erosion Control Blanket	SqYd	2,354.00	\$2.63	\$6,191.02	2,354.00	\$6,191.02	\$0.00
	111	12" Diameter Erosion Control Wattle	Ft	1,277.00	\$7.35	\$9,385.95	1,277.00	\$9,385.95	\$0.00
	112	Remove and Reset Erosion Control Wattle	Ft	200.00	\$1.31	\$262.00	200.00	\$262.00	\$0.00
	113	Sediment Filter Bag	Ft	276.00	\$5.78	\$1,595.28	276.00	\$1,595.28	\$0.00

CO	LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
	114	Remove and Reset Sediment Filter Bag	Ft	110.00	\$1.31	\$144.10	110.00	\$144.10	\$0.00
	115	Water Pollution Control	LS	1.00	\$13,197.99	\$13,197.99	1.00	\$13,197.99	\$0.00
	116	Sweeping	Hour	10.00	\$168.00	\$1,680.00	10.00	\$1,680.00	\$0.00
	117	1 Gallon Perennial Plant, Furnish and Plant	Each	480.00	\$25.73	\$12,350.40	480.00	\$12,350.40	\$0.00
	118	1 Gallon Deciduous Shrub, Furnish and Plant	Each	66.00	\$71.35	\$4,709.10	66.00	\$4,709.10	\$0.00
	119	2 Gallon Deciduous Shrub, Furnish and Plant	Each	493.00	\$127.05	\$62,635.65	493.00	\$62,635.65	\$0.00
	120	10' Coniferous Evergreen, Furnish and Plant	Each	66.00	\$1,758.75	\$116,077.50	66.00	\$116,077.50	\$0.00
	121	2 Gallon Coniferous Shrub, Furnish and Plant	Each	135.00	\$81.69	\$11,028.15	135.00	\$11,028.15	\$0.00
	122	2" Caliper Deciduous Tree, Furnish and Plant	Each	17.00	\$834.75	\$14,190.75	17.00	\$14,190.75	\$0.00
	123	3" Caliper Deciduous Tree, Furnish and Plant	Each	41.00	\$1,338.75	\$54,888.75	41.00	\$54,888.75	\$0.00
	124	1 Gallon Ornamental Grass, Furnish and Plant	Each	276.00	\$84.00	\$23,184.00	276.00	\$23,184.00	\$0.00
	125	Geogrid Reinforcement	SqYd	72.00	\$3.36	\$241.92	72.00	\$241.92	\$0.00
	126	Install Geogrid Reinforcement	SqYd	72.00	\$12.60	\$907.20	72.00	\$907.20	\$0.00
	127	AASHTO T-180 Soil Test	Each	3.00	\$262.50	\$787.50	3.00	\$787.50	\$0.00
	128	Landscaping Rock	CuYd	2.50	\$78.75	\$196.88	2.50	\$196.88	\$0.00
	129	Mulch Ring	Each	107.00	\$42.00	\$4,494.00	107.00	\$4,494.00	\$0.00
	130	3" Depth Shredded Bark Mulch	SqYd	1,622.00	\$5.78	\$9,375.16	1,622.00	\$9,375.16	\$0.00
	131	Irrigation System	LS	1.00	\$168,047.17	\$168,047.17	1.00	\$168,047.17	\$0.00
	132	Concrete Foundation	Each	1.00	\$26,250.00	\$26,250.00	1.00	\$26,250.00	\$0.00
CO1	133	Remove Concrete Pavement	SY	22.90	\$13.65	\$312.59	22.90	\$312.59	\$0.00
CO1	134	10" Non Reinforced PCC	SY	12.20	\$64.00	\$780.80	12.20	\$780.80	\$0.00
CO1	135	Insert Steel Bar in PCC	Each	28.00	\$15.00	\$420.00	28.00	\$420.00	\$0.00
CO1	136	Saw Cutting Existing Concrete	LF	124.00	\$5.00	\$620.00	124.00	\$620.00	\$0.00
CO2	137	Watermain Insulation	SF	0.00	\$4.00	\$0.00	416.00	\$1,664.00	\$1,664.00
CO2	138	12" Fire Hydrant Extensions	Each	0.00	\$850.00	\$0.00	2.00	\$1,700.00	\$1,700.00
		<b>TOTAL</b>				<b>\$1,939,783.82</b>		<b>\$1,882,579.13</b>	<b>(\$57,204.69)</b>

C.C.O. HISTORY INCREASE/(DECREASE)			PRIOR ADJUSTED CONTRACT PRICE :	\$1,939,783.82
CCO #1	\$12,797.19		NET INCREASE/(DECREASE):	(\$57,204.69)
CCO #2	(\$57,204.69)		ADJUSTED CONTRACT PRICE:	\$1,882,579.13
	\$0.00		CHANGE TO DATE:	(\$44,407.50)

CONTRACTOR: REEDE CONSTRUCTION	DATE
	1/19/16
PROJECT MANAGER: KLARE SCHROEDER, P.E.	DATE
	1-20-16
CITY ENGINEER: DALE TECH, P.E. / L.S.	DATE
MAYOR:	DATE
FINANCE: PAULINE SUMPTION	DATE
CONTRACT TIME CHANGE +/-: 0	NEW CONTRACT TIME: Days

City Staff recommends approval of this Change Order #2 to Reede Construction for a decrease of \$57,204.69 based on unit pricing with the following appropriation:

Initial Funding	\$332,257.06	\$611,529.55	\$983,200.02		\$1,926,986.63
Fund Type	Sanitary Sewer	Water	Vision		
Department	0833	0933	0132		
Line Item	4380	4381	4370		
Fund	0604	0602	0107		
CCO #1	\$ 87.15	\$ 12,710.04	\$ -		\$ 12,797.19
CCO #2	(\$31,061.00)	(\$29,968.59)	\$3,824.90		(\$57,204.69)
					\$0.00
Adjusted Funding	\$301,283.21	\$594,271.00	\$987,024.92	\$1,882,579.13	\$1,882,579.13

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LINE ITEM	DESCRIPTION	REASON FOR CHANGE
6	Remove Curb Stop	Actual Qty to complete the project
10	Remove Asphalt Concrete Pavement	Additional removal needed on Tower Road due to a bad waterlin locate
11	Remove Concrete Pavement	Actual Qty to complete the project
15	Remove Contaminated Water	Bid item not used to complete the project
20	Contaminated Material Excavation	Bid item not used to complete the project
25	Base Course	Actual Qty used to complete the project
26	Base Course	Bid item not used to complete the project
27	Granular Material	Actual Qty used to complete the project
28	Asphalt Concrete Composite	Additional Qty used for Tower road bad locates and at Indiana due to trench walls caving off
29	4" Barrier Type Colored and Patterned Median PC	Actual measured Qty installed to complete the project
31	6" PVC Water Main	Actual Qty used to complete the project
33	12" PVC Water Main	Actual Qty used to complete the project
34	1" Copper Pipe	Actual Qty used to complete the project
35	1.5" Copper Pipe	Actual Qty used to complete the project
36	2" Copper Pipe	Actual Qty used to complete the project
37	8" PVC Sewer Pipe	Actual Qty used to complete the project

38	4" Sewer Service	Actual Qty used to complete the project
39	6" Sewer Service	Additional used on Flormann Street west of Mt Rushmore Road services not shown on plans were relocated
40	4" Sanitary Sewer Service Cleanout	Actual Qty used to complete the project
41	6" Sanitary Sewer Service Cleanout	Additional used on Flormann Street west of Mt Rushmore Road services not shown on plans were relocated
46	12"x8" Pipe Tee	Additional Tee used at Mt. Rushmore and Highland Park Drive STA 21+17 Lt
47	12"x12" Pipe Tee	Pipe Tee shown on plans at STA 21+27 Lt was removed
48	8"x6" Pipe Reducer	Actual Qty used to complete the project
50	12"x8" Pipe Reducer	Actual Qty used to complete the project
58	6" Pipe Bend	Additional 6" pipe bends used at Fire hydrant locations due to bury line elevations
59	8" Pipe Bend	Additional 8" bend used at STA 22+27 Lt Highland Park Drive tie in
60	12" Pipe Bend	Actual Qty used to complete the project
63	6" Pipe Coupling	Actual Qty used to complete the project
64	8" Pipe Coupling	8" pipe couplings shown at the centerline phased construction line were not used
65	12" Pipe Coupling	12" pipe coupling shown at the centerline phased construction line was not used
66	6" Pipe Transition Coupling	6" pipe transition coupling was not used
70	8" Gate Valve with Box	Additional 8" Gate Valve was installed at STA 0+55 Meade Street (Existing Valve was leaking thru bonnet bolts)
72	Tracer Wire Access Box	Additional Tracer wire access boxes were added as per Section 8-B
74	Type 2 Foundation Material	Actual Qty used to complete the project
75	Type 3 Foundation Material	Bid item not used to complete the project
76	Imported Trench Backfill	Bid item not used to complete the project
77	Rock Excavation, Trench	Bid item not used to complete the project
78	Bore and Jack 2" Pipe	Actual Qty used to complete the project

82	Reconnect Sewer Service	Additional sewer service connections were needed on Flormann West (Not shown in plans)
86	Controlled Density Fill	Additional Qty used to support Sanitary Sewer near deep excavation at STA 12+50 Lt
88	Linear Delineation System Panel, Barrier Mounted	Actual Qty used to complete the project
90	Remove and Reset Traffic Control Movable Concr	Bid item not used to complete the project
91	6" Concrete Valley Gutter	Actual Qty used to complete the project
92	4" Colored Concrete Sidewalk	Actual Qty used to complete the project
93	5" Reinforced Colored Concrete Sidewalk	Actual Qty used to complete the project
96	48" Manhole Riser Section	Actual Qty used to complete the project
100	Extra Depth for 48" Manhole	Actual Qty used to complete the project
137	Watermain Insulation	Used @ various locations where storm sewer was within 1' of water.
138	12" Fire Hydrant Extensions	STA 33+18 plans error for bury line elevation, Flormann St existing hydrant.

PREPARED BY: Klare Schroeder, P.E.

DATE: January 19, 2016



FUNDING TYPE		Sanitary Sewer		Water		Vision		
COST CENTER		0833		0933		0132		
LINE ITEM		4380		4381		4370		
FUND		0604		0602		0107		
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT	AMOUNT	PERCENT	AMOUNT	PERCENT	
1	Mobilization	0.00	20%	0.00	30%	0.00	50%	100%
2	Construction Staking	0.00	20%	0.00	30%	0.00	50%	100%
3	Clear and Grub Tree	0.00	0%	0.00	100%	0.00	0%	100%
4	Clearing	0.00	0%	0.00	100%	0.00	0%	100%
5	Remove Concrete Channel	0.00	0%	0.00	100%	0.00	0%	100%
6	Remove Curb Stop	0.00	0%	210.00	100%	0.00	0%	100%
7	Remove Manhole	0.00	100%	0.00	0%	0.00	0%	100%
8	Remove Manhole Frame and Lid	0.00	100%	0.00	0%	0.00	0%	100%
9	Remove Sewer Pipe	0.00	100%	0.00	0%	0.00	0%	100%
10	Remove Asphalt Concrete Pavement	564.48	50%	564.48	50%	0.00	0%	100%
11	Remove Concrete Pavement	-0.52	50%	-0.52	50%	0.00	0%	100%
12	Remove Sediment	0.00	50%	0.00	50%	0.00	0%	100%
13	Remove Erosion Control Wattle	0.00	50%	0.00	50%	0.00	0%	100%
14	Remove Sediment Filter Bag	0.00	50%	0.00	50%	0.00	0%	100%
15	Remove Contaminated Water	-2,625.00	50%	-2,625.00	50%	0.00	0%	100%
16	Salvage Fire Hydrant	0.00	0%	0.00	100%	0.00	0%	100%
17	Salvage Valve and Valve Box	0.00	0%	0.00	100%	0.00	0%	100%
18	Remove Manhole Frame and Lid for	0.00	100%	0.00	0%	0.00	0%	100%
19	Unclassified Excavation	0.00	0%	0.00	0%	0.00	100%	100%
20	Contaminated Material Excavation	-6,562.50	50%	-6,562.50	50%	0.00	0%	100%
21	Placing Contractor Furnished Topsoil	0.00	0%	0.00	100%	0.00	0%	100%
22	Placing Contractor Furnished Topsoil	0.00	0%	0.00	0%	0.00	100%	100%
23	Remove and Replace Topsoil	0.00	0%	0.00	100%	0.00	0%	100%
24	Incidental Work	0.00	20%	0.00	30%	0.00	50%	100%
25	Base Course	-227.85	50%	-227.85	50%	0.00	0%	100%
26	Base Course	0.00	0%	0.00	0%	-4,615.80	100%	100%
27	Granular Material	0.00	0%	0.00	0%	-84.00	100%	100%
28	Asphalt Concrete Composite	6,848.09	50%	6,848.09	50%	0.00	0%	100%
29	4" Barrier Type Colored and Patterned	0.00	0%	0.00	0%	8,145.29	100%	100%
30	4" PVC Water Main	0.00	0%	0.00	100%	0.00	0%	100%
31	6" PVC Water Main	0.00	0%	-1,328.25	100%	0.00	0%	100%
32	8" PVC Water Main	0.00	0%	0.00	100%	0.00	0%	100%
33	12" PVC Water Main	0.00	0%	-567.00	100%	0.00	0%	100%
34	1" Copper Pipe	0.00	0%	-105.00	100%	0.00	0%	100%

35	1.5" Copper Pipe	0.00	0%	708.75	100%	0.00	0%	100%
36	2" Copper Pipe	0.00	0%	115.50	100%	0.00	0%	100%
37	8" PVC Sewer Pipe	1,979.25	100%	0.00	0%	0.00	0%	100%
38	4" Sewer Service	-1,680.00	100%	0.00	0%	0.00	0%	100%
39	6" Sewer Service	3,276.00	100%	0.00	0%	0.00	0%	100%
40	4" Sanitary Sewer Service Cleanout	-178.50	100%	0.00	0%	0.00	0%	100%
41	6" Sanitary Sewer Service Cleanout	787.50	100%	0.00	0%	0.00	0%	100%
42	8"x4" Pipe Tee	0.00	0%	0.00	100%	0.00	0%	100%
43	8"x6" Pipe Tee	0.00	0%	0.00	100%	0.00	0%	100%
44	12"x4" Pipe Tee	0.00	0%	0.00	100%	0.00	0%	100%
45	12"x6" Pipe Tee	0.00	0%	0.00	100%	0.00	0%	100%
46	12"x8" Pipe Tee	0.00	0%	1,522.50	100%	0.00	0%	100%
47	12"x12" Pipe Tee	0.00	0%	-1,522.50	100%	0.00	0%	100%
48	8"x6" Pipe Reducer	0.00	0%	-1,680.00	100%	0.00	0%	100%
49	12"x6" Pipe Reducer	0.00	0%	0.00	100%	0.00	0%	100%
50	12"x8" Pipe Reducer	0.00	0%	-735.00	100%	0.00	0%	100%
51	16"x12" Tapping Tee	0.00	0%	0.00	100%	0.00	0%	100%
52	1" Corporation Stop with Tapping Sae	0.00	0%	0.00	100%	0.00	0%	100%
53	1.5" Corporation Stop with Tapping S	0.00	0%	0.00	100%	0.00	0%	100%
54	2" Corporation Stop with Tapping Sae	0.00	0%	0.00	100%	0.00	0%	100%
55	1" Curb Stop with Box	0.00	0%	0.00	100%	0.00	0%	100%
56	1.5" Curb Stop with Box	0.00	0%	0.00	100%	0.00	0%	100%
57	2" Curb Stop with Box	0.00	0%	0.00	100%	0.00	0%	100%
58	6" Pipe Bend	0.00	0%	3,937.50	100%	0.00	0%	100%
59	8" Pipe Bend	0.00	0%	840.00	100%	0.00	0%	100%
60	12" Pipe Bend	0.00	0%	-1,155.00	100%	0.00	0%	100%
61	4" Pipe Cap	0.00	0%	0.00	100%	0.00	0%	100%
62	4" Pipe Coupling	0.00	0%	0.00	100%	0.00	0%	100%
63	6" Pipe Coupling	0.00	0%	-682.50	100%	0.00	0%	100%
64	8" Pipe Coupling	0.00	0%	-2,677.50	100%	0.00	0%	100%
65	12" Pipe Coupling	0.00	0%	-2,310.00	100%	0.00	0%	100%
66	6" Pipe Transition Coupling	0.00	0%	-1,050.00	100%	0.00	0%	100%
67	6" Pipe Plug	0.00	0%	0.00	100%	0.00	0%	100%
68	4" Gate Valve with Box	0.00	0%	0.00	100%	0.00	0%	100%
69	6" Gate Valve with Box	0.00	0%	0.00	100%	0.00	0%	100%
70	8" Gate Valve with Box	0.00	0%	2,310.00	100%	0.00	0%	100%
71	12" Gate Valve with Box	0.00	0%	0.00	100%	0.00	0%	100%
72	Tracer Wire Access Box	0.00	0%	7,560.00	100%	0.00	0%	100%
73	Fire Hydrant with Auxiliary Valve & B	0.00	0%	0.00	100%	0.00	0%	100%
74	Type 2 Foundation Material	-5,590.20	50%	-5,590.20	50%	0.00	0%	100%
75	Type 3 Foundation Material	-6,037.50	50%	-6,037.50	50%	0.00	0%	100%
76	Imported Trench Backfill	-7,560.00	50%	-7,560.00	50%	0.00	0%	100%
77	Rock Excavation, Trench	-12,075.00	50%	-12,075.00	50%	0.00	0%	100%

78	Bore and Jack 2" Pipe	0.00	0%	283.50	100%	0.00	0%	100%
79	Remove and Reset Valve and Box	0.00	0%	0.00	100%	0.00	0%	100%
80	Reconnect Water Service	0.00	0%	0.00	100%	0.00	0%	100%
81	Connect To Existing Water Main	0.00	0%	0.00	100%	0.00	0%	100%
82	Reconnect Sewer Service	525.00	100%	0.00	0%	0.00	0%	100%
83	Connect to Existing Sewer Main	0.00	100%	0.00	0%	0.00	0%	100%
84	Sewer Bypass Pumping	0.00	100%	0.00	0%	0.00	0%	100%
85	Test Station	0.00	0%	0.00	100%	0.00	0%	100%
86	Controlled Density Fill	1,050.00	50%	1,050.00	50%	0.00	0%	100%
87	Traffic Control, Miscellaneous	0.00	20%	0.00	30%	0.00	50%	100%
88	Linear Delineation System Panel, Ba	-147.00	50%	-147.00	50%	0.00	0%	100%
89	Traffic Control Movable Concrete Bar	0.00	50%	0.00	50%	0.00	0%	100%
90	Remove and Reset Traffic Control M	-4,593.75	50%	-4,593.75	50%	0.00	0%	100%
91	6" Concrete Valley Gutter	0.00	0%	-50.84	100%	0.00	0%	100%
92	4" Colored Concrete Sidewalk	0.00	0%	0.00	0%	-15,800.33	100%	100%
93	5" Reinforced Colored Concrete Side	0.00	0%	0.00	0%	16,179.75	100%	100%
94	48" Manhole	0.00	100%	0.00	0%	0.00	0%	100%
95	48" Drop Manhole	0.00	100%	0.00	0%	0.00	0%	100%
96	48" Manhole Riser Section	-262.50	100%	0.00	0%	0.00	0%	100%
97	48" Manhole Cone Section	0.00	100%	0.00	0%	0.00	0%	100%
98	2" Adjusting Ring for Manhole	0.00	100%	0.00	0%	0.00	0%	100%
99	4" Adjusting Ring for Manhole	0.00	100%	0.00	0%	0.00	0%	100%
100	Extra Depth for 48" Manhole	1,449.00	100%	0.00	0%	0.00	0%	100%
101	Special Manhole Frame and Lid	0.00	100%	0.00	0%	0.00	0%	100%
102	Manhole Frame	0.00	100%	0.00	0%	0.00	0%	100%
103	Manhole Lid	0.00	100%	0.00	0%	0.00	0%	100%
104	Manhole Frame & Lid, Install	0.00	100%	0.00	0%	0.00	0%	100%
105	Reset Manhole Frame and Lid	0.00	100%	0.00	0%	0.00	0%	100%
106	Adjust Manhole	0.00	100%	0.00	0%	0.00	0%	100%
107	Adjust and Seal Manhole	0.00	100%	0.00	0%	0.00	0%	100%
108	Type F Permanent Seed Mixture	0.00	0%	0.00	100%	0.00	0%	100%
109	Fertilizing	0.00	0%	0.00	100%	0.00	0%	100%
110	Type 2 Erosion Control Blanket	0.00	0%	0.00	100%	0.00	0%	100%
111	12" Diameter Erosion Control Wattle	0.00	0%	0.00	100%	0.00	0%	100%
112	Remove and Reset Erosion Control V	0.00	0%	0.00	100%	0.00	0%	100%
113	Sediment Filter Bag	0.00	50%	0.00	50%	0.00	0%	100%
114	Remove and Reset Sediment Filter B	0.00	50%	0.00	50%	0.00	0%	100%
115	Water Pollution Control	0.00	50%	0.00	50%	0.00	0%	100%
116	Sweeping	0.00	50%	0.00	50%	0.00	0%	100%
117	1 Gallon Perennial Plant, Furnish and	0.00	0%	0.00	0%	0.00	100%	100%

118	1 Gallon Deciduous Shrub, Furnish a	0.00	0%	0.00	0%	0.00	100%	100%
119	2 Gallon Deciduous Shrub, Furnish a	0.00	0%	0.00	0%	0.00	100%	100%
120	10' Coniferous Evergreen, Furnish ar	0.00	0%	0.00	0%	0.00	100%	100%
121	2 Gallon Coniferous Shrub, Furnish a	0.00	0%	0.00	0%	0.00	100%	100%
122	2" Caliper Deciduous Tree, Furnish a	0.00	0%	0.00	0%	0.00	100%	100%
123	3" Caliper Deciduous Tree, Furnish a	0.00	0%	0.00	0%	0.00	100%	100%
124	1 Gallon Ornamental Grass, Furnish	0.00	0%	0.00	0%	0.00	100%	100%
125	Geogrid Reinforcement	0.00	0%	0.00	0%	0.00	100%	100%
126	Install Geogrid Reinforcement	0.00	0%	0.00	0%	0.00	100%	100%
127	AASHTO T-180 Soil Test	0.00	50%	0.00	50%	0.00	0%	100%
128	Landscaping Rock	0.00	0%	0.00	0%	0.00	100%	100%
129	Mulch Ring	0.00	0%	0.00	0%	0.00	100%	100%
130	3" Depth Shredded Bark Mulch	0.00	0%	0.00	0%	0.00	100%	100%
131	Irrigation System	0.00	0%	0.00	0%	0.00	100%	100%
132	Concrete Foundation	0.00	0%	0.00	0%	0.00	100%	100%
133	Remove Concrete Pavement	0.00	0%	0.00	100%	0.00	0%	100%
134	10" Non Reinforced PCC	0.00	0%	0.00	100%	0.00	0%	100%
135	Insert Steel Bar in PCC	0.00	0%	0.00	100%	0.00	0%	100%
136	Saw Cutting Existing Concrete	0.00	0%	0.00	100%	0.00	0%	100%
137	Watermain Insulation	0.00	0%	1,664.00	100%	0.00	0%	100%
138	12" Fire Hydrant Extensions	0.00	0%	1,700.00	100%	0.00	0%	100%
		(\$31,061.00)		(\$29,968.59)		\$3,824.90		(\$57,204.69)