

CORRECTED BID AWARD SUMMARY**LETTING DATE: March 01, 2011**

PROJECT: Heights Drive Sanitary Sewer Extension
Project No. SS09-1831 / CIP No. 50777

RECOMMENDATION: Correct the award amount for **Total Base Bid plus Alternate Bids 1, 2, and 3** from \$924,207.30 to **\$894,827.90**. The project was awarded to Mainline Contracting, Inc. at the March 07, 2011 Council Meeting for an amount of \$924,207.30, however, an error has been discovered in the summation of bid items resulting in the need to correct the award amount and funding source allocation.

BIDDER'S SUMMARY

BIDDER	BASE BID	ALT 1	ALT 2	ALT 3	ALT 4	ALT 5
Mainline Contracting, Inc.	\$278,455.90	\$133,072.00	\$130,362.00	\$352,938.00	\$141,644.00	\$111,390.00
Rapid Construction, LLC	\$683,731.12	\$120,940.54	\$146,792.59	\$394,352.45	\$131,355.96	\$105,116.12
Western Municipal Construction	\$510,708.00	\$143,160.00	\$222,595.00	\$460,525.00	\$192,041.00	\$135,079.00
Hills Materials Company	\$583,536.30	\$278,081.55	\$327,288.55	\$886,742.75	\$297,261.20	\$250,486.25

It has been discovered that in the original "Bid Tabulation" provided to Council on March 7, 2011 bid items #7, #45, #46, #47, and #3.45 inadvertently indicated quantities that were not correct. This error did not change Mainline Contracting as the low bidder. The contract amount however should have been \$894,827.90 instead of \$924,207.30. The bold dollar amounts shown above are the numbers that have changed. **City staff recommends correcting the funding appropriation as shown below:**

FUNDING SOURCE ADVERTISING AUTHORITY	TOTAL	Sanitary Sewer	Sanitary Sewer	Sanitary Sewer	Water	Non-Conforming Property Owner Match	Non- Conforming City Match
	\$883,000.00	\$485,650.00	\$330,000.00	\$26,121.00	\$26,121.00	\$7,554.00	\$7,554.00
ENGINEER'S ESTIMATE	\$1,610,132.87	\$	\$	\$	\$	\$	\$


APPROPRIATION DATA:

FUNDING SOURCE	TOTAL	* Sanitary Sewer	** Sanitary Sewer	Sanitary Sewer	Water	Non-Conforming Property Owner Match	Non-Conforming City Match
COST CENTER		0834	0834	0834	0934	0834	0834
LINE ITEM		4380	4380	4380	4380	4380	4384
FUNDING CENTER		0604	0604	0604	0602	0604	0604
BID AMOUNT	\$894,827.90	\$486,000.00	\$270,000.00	\$64,542.09	\$64,542.08	\$4,871.87	\$4,871.86

*STAG GRANT

**0.16 FUNDING (Funds transferred to 0834)

DESIGN GROUP COORDINATOR:


Stacey Titus, P.E.
City of Rapid City

3/24/11
Date

PROJECT NAME: CORRECTED - HEIGHTS DRIVE SANITARY SEWER EXTENSION

PROJECT NUMBER: PROJECT NO. SS09-1831 / CIP NO. 50777

LET DATE: March 1, 2011

LOW BID AMOUNT: BASE BID AND ALTERNATES No. 1, 2 & 3 = \$894,827.90

				ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
	BASE BID												
1	Mobilization	LS	1.00	\$30,000.00	\$30,000.00	\$4,800.00	\$4,800.00	\$23,145.00	\$23,145.00	\$91,000.00	\$91,000.00	\$89,500.00	\$89,500.00
2	Incidental	LS	1.00	\$17,000.00	\$17,000.00	\$55,000.00	\$55,000.00	\$425,593.50	\$425,593.50	\$2,000.00	\$2,000.00	\$100,560.00	\$100,560.00
3	Construction Staking	LS	1.00	\$2,500.00	\$2,500.00	\$6,300.00	\$6,300.00	\$4,200.00	\$4,200.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00
4	Clearing and Grubbing	LS	1.00	\$1,500.00	\$1,500.00	\$4,300.00	\$4,300.00	\$1,000.00	\$1,000.00	\$3,500.00	\$3,500.00	\$1,500.00	\$1,500.00
5	Remove Gravel Surfacing	SY	29.00	\$8.00	\$232.00	\$20.00	\$580.00	\$10.00	\$290.00	\$1.00	\$29.00	\$8.00	\$232.00
6	Sawing, Asphalt Pavement	LF	476.00	\$3.00	\$1,428.00	\$1.60	\$761.60	\$2.00	\$952.00	\$2.00	\$952.00	\$2.50	\$1,190.00
7	Remove AC Pavement	SY	753.00	\$6.00	\$4,518.00	\$2.60	\$1,957.80	\$5.00	\$3,765.00	\$3.00	\$2,259.00	\$3.65	\$2,748.45
8	Remove PCC Driveway Pavement	SY	120.00	\$9.00	\$1,080.00	\$5.00	\$600.00	\$7.00	\$840.00	\$5.00	\$600.00	\$5.00	\$600.00
9	Remove Tree	EA	18.00	\$360.00	\$6,480.00	\$175.00	\$3,150.00	\$280.00	\$5,040.00	\$200.00	\$3,600.00	\$285.00	\$5,130.00
10	AASHTO T-180 Soil Test	EA	6.00	\$214.00	\$1,284.00	\$120.00	\$720.00	\$105.00	\$630.00	\$250.00	\$1,500.00	\$205.00	\$1,230.00
11	Topsoil, Stockpile & Replace	CY	175.00	\$14.00	\$2,450.00	\$20.00	\$3,500.00	\$5.00	\$875.00	\$5.00	\$875.00	\$46.00	\$8,050.00
12	Sodding	SY	1,825.00	\$15.00	\$24,375.00	\$7.00	\$11,375.00	\$7.85	\$12,756.25	\$12.00	\$19,500.00	\$11.00	\$17,875.00
13	Hauling & Placing Co-Compost	TON	16.00	\$50.00	\$800.00	\$50.00	\$800.00	\$50.00	\$800.00	\$65.00	\$1,040.00	\$62.00	\$992.00
14	Seeding, Fertilizing, Mulching - Non-Irrigated Lawn Mix	SY	2,813.00	\$3.00	\$8,439.00	\$1.50	\$4,219.50	\$3.13	\$8,804.69	\$6.00	\$16,878.00	\$5.50	\$15,471.50
15	Excavation, Rock (Trench)	CY	1,774.00	\$43.00	\$76,282.00	\$5.00	\$8,870.00	\$26.25	\$46,567.50	\$1.00	\$1,774.00	\$85.00	\$150,790.00
16	Imported Backfill Material (Trench)	CY	50.00	\$15.00	\$750.00	\$10.00	\$500.00	\$13.67	\$683.50	\$1.00	\$50.00	\$11.00	\$550.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
17	Type I Bedding Material	TON	30.00	\$18.00	\$540.00	\$15.00	\$450.00	\$19.92	\$597.60	\$1.00	\$30.00	\$15.25	\$457.50
18	Type II Foundation Material	TON	30.00	\$21.00	\$630.00	\$25.00	\$750.00	\$18.65	\$559.50	\$1.00	\$30.00	\$13.00	\$390.00
19	Type III Foundation Material	TON	30.00	\$22.00	\$660.00	\$25.00	\$750.00	\$18.65	\$559.50	\$1.00	\$30.00	\$15.00	\$450.00
20	8" PVC Sewer Main (0' - 6')	LF	296.00	\$30.00	\$8,880.00	\$21.00	\$6,216.00	\$20.88	\$6,180.48	\$99.00	\$29,304.00	\$28.00	\$8,288.00
21	8" PVC Sewer Main (6' - 8')	LF	795.00	\$35.00	\$27,825.00	\$22.00	\$17,490.00	\$21.26	\$16,901.70	\$99.00	\$78,705.00	\$29.00	\$23,055.00
22	8" PVC Sewer Main (8' - 10')	LF	411.00	\$35.00	\$14,385.00	\$24.00	\$9,864.00	\$21.97	\$9,029.67	\$99.00	\$40,689.00	\$32.50	\$13,357.50
23	8" PVC Sewer Main (10' - 12')	LF	49.00	\$38.00	\$1,862.00	\$25.00	\$1,225.00	\$22.89	\$1,121.61	\$100.00	\$4,900.00	\$42.50	\$2,082.50
24	8" PVC Sewer Main (12' - 14')	LF	71.00	\$45.00	\$3,195.00	\$30.00	\$2,130.00	\$23.10	\$1,640.10	\$100.00	\$7,100.00	\$44.50	\$3,159.50
25	8" PVC Sewer Main (14' - 16')	LF	96.00	\$48.00	\$4,608.00	\$33.00	\$3,168.00	\$26.22	\$2,517.12	\$100.00	\$9,600.00	\$64.00	\$6,144.00
26	8" Certi-Lok C900/RJ (0' - 6')	LF	54.00	\$35.00	\$1,890.00	\$35.00	\$1,890.00	\$33.46	\$1,806.84	\$720.00	\$38,880.00	\$38.00	\$2,052.00
27	8" Certi-Lok C900/RJ (6' - 8')	LF	40.00	\$40.00	\$1,600.00	\$37.00	\$1,480.00	\$33.46	\$1,338.40	\$120.00	\$4,800.00	\$41.75	\$1,670.00
28	8" Certi-Lok C900/RJ (8' - 10')	LF	33.00	\$40.00	\$1,320.00	\$38.00	\$1,254.00	\$34.28	\$1,131.24	\$120.00	\$3,960.00	\$46.00	\$1,518.00
29	8" Certi-Lok C900/RJ (10' - 12')	LF	30.00	\$43.00	\$1,290.00	\$40.00	\$1,200.00	\$34.28	\$1,028.40	\$120.00	\$3,600.00	\$50.00	\$1,500.00
30	8" Certi-Lok C900/RJ (12' - 14')	LF	5.00	\$50.00	\$250.00	\$44.00	\$220.00	\$35.20	\$176.00	\$120.00	\$600.00	\$55.00	\$275.00
31	4" PVC Sewer Service Line	LF	320.00	\$37.00	\$11,840.00	\$27.00	\$8,640.00	\$21.67	\$6,934.40	\$94.00	\$30,080.00	\$40.00	\$12,800.00
32	Standard Manhole, 48"	EA	4.00	\$2,850.00	\$11,400.00	\$2,400.00	\$9,600.00	\$2,175.36	\$8,701.52	\$2,500.00	\$10,000.00	\$2,800.00	\$11,200.00
33	Termination Manhole, 48"	EA	1.00	\$2,856.00	\$2,856.00	\$2,400.00	\$2,400.00	\$2,101.18	\$2,101.18	\$2,500.00	\$2,500.00	\$2,400.00	\$2,400.00
34	Drop Manhole, 48"	EA	3.00	\$3,970.00	\$11,910.00	\$5,000.00	\$15,000.00	\$3,090.00	\$9,270.00	\$3,500.00	\$10,500.00	\$3,150.00	\$9,450.00
35	Extra Manhole Depth, 48"	VF	33.00	\$215.00	\$7,095.00	\$250.00	\$8,250.00	\$219.30	\$7,236.90	\$80.00	\$2,640.00	\$250.00	\$8,250.00
36	Connect To Existing Sewer Main	EA	1.00	\$735.00	\$735.00	\$1,000.00	\$1,000.00	\$559.21	\$559.21	\$900.00	\$800.00	\$135.00	\$135.00
37	Connect New Sewer Service	EA	13.00	\$421.00	\$5,473.00	\$650.00	\$8,450.00	\$416.70	\$5,417.10	\$100.00	\$1,300.00	\$525.00	\$6,825.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1.1	Mobilization	LS	1.00	\$10,000.00	\$10,000.00	\$3,500.00	\$3,500.00	\$3,900.00	\$3,900.00	\$28,000.00	\$28,000.00	\$47,500.00	\$47,500.00
1.2	Incidental	LS	1.00	\$5,000.00	\$5,000.00	\$22,000.00	\$22,000.00	\$3,813.00	\$3,813.00	\$200.00	\$200.00	\$66,500.00	\$66,500.00
1.3	Construction Staking	LS	1.00	\$1,000.00	\$1,000.00	\$2,200.00	\$2,200.00	\$2,887.50	\$2,887.50	\$1,500.00	\$1,500.00	\$800.00	\$800.00
1.4	Clearing and Grubbing	LS	1.00	\$1,500.00	\$1,500.00	\$4,300.00	\$4,300.00	\$500.00	\$500.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
1.5	Remove Manhole	EA	1.00	\$634.00	\$634.00	\$700.00	\$700.00	\$1,200.00	\$1,200.00	\$800.00	\$800.00	\$400.00	\$400.00
1.6	Sawing, Asphalt Pavement	LF	1,114.00	\$3.00	\$3,342.00	\$2.00	\$2,228.00	\$2.00	\$2,228.00	\$2.00	\$2,228.00	\$2.50	\$2,785.00
1.7	Remove AC Pavement	SY	1,157.00	\$6.00	\$6,942.00	\$3.00	\$3,471.00	\$5.00	\$5,785.00	\$3.00	\$3,471.00	\$3.85	\$4,223.05
1.8	Remove PCC Driveway Pavement	SY	5.00	\$9.00	\$45.00	\$5.00	\$25.00	\$7.00	\$35.00	\$5.00	\$25.00	\$5.00	\$25.00
1.9	AASHTO T-180 Soil Test	EA	2.00	\$214.00	\$428.00	\$120.00	\$240.00	\$105.00	\$210.00	\$250.00	\$500.00	\$205.00	\$410.00
1.10	Topsoil, Stockpile & Replace	CY	55.00	\$14.00	\$770.00	\$20.00	\$1,100.00	\$5.00	\$275.00	\$5.00	\$275.00	\$56.00	\$3,080.00
1.11	Sodding	SY	255.00	\$15.00	\$3,825.00	\$7.00	\$1,785.00	\$7.85	\$2,001.75	\$12.00	\$3,060.00	\$11.00	\$2,805.00
1.12	Hauling & Placing Co-Compost	TON	5.00	\$50.00	\$250.00	\$50.00	\$250.00	\$30.00	\$150.00	\$65.00	\$325.00	\$82.00	\$310.00
1.13	Excavation, Rock (Trench)	CY	677.00	\$43.00	\$29,111.00	\$5.00	\$3,385.00	\$26.25	\$17,771.25	\$1.00	\$677.00	\$85.00	\$57,545.00
1.14	Imported Backfill Material (Trench)	CY	50.00	\$15.00	\$750.00	\$10.00	\$500.00	\$13.67	\$683.50	\$1.00	\$50.00	\$11.00	\$550.00
1.15	Type I Bedding Material	TON	20.00	\$18.00	\$360.00	\$15.00	\$300.00	\$19.92	\$398.40	\$1.00	\$20.00	\$15.25	\$305.00
1.16	Type II Foundation Material	TON	20.00	\$21.00	\$420.00	\$25.00	\$500.00	\$18.65	\$373.00	\$1.00	\$20.00	\$13.00	\$260.00
1.17	Type III Foundation Material	TON	20.00	\$22.00	\$440.00	\$25.00	\$500.00	\$18.65	\$373.00	\$1.00	\$20.00	\$15.00	\$300.00
1.18	8" PVC Sewer Main (0' - 6')	LF	74.00	\$30.00	\$2,220.00	\$23.00	\$1,702.00	\$20.32	\$1,503.68	\$49.00	\$3,626.00	\$28.00	\$2,072.00
1.19	8" PVC Sewer Main (6' - 8')	LF	619.00	\$35.00	\$21,665.00	\$25.00	\$15,475.00	\$21.26	\$13,159.94	\$49.00	\$30,331.00	\$29.00	\$17,951.00
1.20	8" PVC Sewer Main (8' - 10')	LF	91.00	\$35.00	\$3,185.00	\$26.00	\$2,366.00	\$21.97	\$1,999.27	\$49.00	\$4,459.00	\$32.50	\$2,957.50
1.21	4" PVC Sewer Service Line	LF	181.00	\$37.00	\$6,697.00	\$27.00	\$4,887.00	\$21.67	\$3,922.27	\$54.00	\$9,774.00	\$40.00	\$7,240.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1.22	Standard Manhole, 48"	EA	4.00	\$2,850.00	\$11,400.00	\$2,400.00	\$9,600.00	\$2,101.18	\$8,404.72	\$2,500.00	\$10,000.00	\$2,800.00	\$11,200.00
1.23	Extra Manhole Depth, 48"	VF	2.80	\$215.00	\$602.00	\$280.00	\$784.00	\$221.50	\$620.20	\$80.00	\$224.00	\$250.00	\$700.00
1.24	Connect To Existing Sewer Main	EA	2.00	\$735.00	\$1,470.00	\$1,000.00	\$2,000.00	\$569.30	\$1,138.60	\$800.00	\$1,600.00	\$135.00	\$270.00
1.25	Connect New Sewer Service	EA	8.00	\$421.00	\$3,368.00	\$750.00	\$6,000.00	\$416.70	\$3,333.60	\$100.00	\$800.00	\$525.00	\$4,200.00
1.26	Bypass Pumping	LS	1.00	\$6,000.00	\$6,000.00	\$3,000.00	\$3,000.00	\$200.00	\$200.00	\$1,100.00	\$1,100.00	\$500.00	\$500.00
1.27	Erosion Control and Water Pollution Control	LS	1.00	\$1,000.00	\$1,000.00	\$1,300.00	\$1,300.00	\$1,150.00	\$1,150.00	\$500.00	\$500.00	\$250.00	\$250.00
1.28	Erosion Control, Perimeter Control	LF	20.00	\$4.00	\$80.00	\$5.00	\$100.00	\$11.21	\$224.20	\$4.00	\$80.00	\$4.00	\$80.00
1.29	Aggregate Base Course 3/4"	TON	391.00	\$21.00	\$8,211.00	\$19.00	\$7,429.00	\$18.46	\$7,217.96	\$15.00	\$5,865.00	\$30.00	\$11,730.00
1.30	AC Patching, Class G Type I PG64-28	TON	325.00	\$152.00	\$49,400.00	\$90.00	\$29,250.00	\$101.85	\$33,101.25	\$92.00	\$29,900.00	\$85.00	\$27,625.00
1.31	PCC Driveway Pavement, 6" Nonreinforced	SY	5.00	\$75.00	\$375.00	\$50.00	\$250.00	\$47.25	\$236.25	\$60.00	\$300.00	\$75.00	\$375.00
1.32	Evergreen Tree (5')	EA	1.00	\$450.00	\$450.00	\$325.00	\$325.00	\$367.50	\$367.50	\$450.00	\$450.00	\$450.00	\$450.00
1.33	Traffic Control	LS	1.00	\$3,000.00	\$3,000.00	\$1,300.00	\$1,300.00	\$1,476.00	\$1,476.00	\$2,000.00	\$2,000.00	\$875.00	\$875.00
1.34	Sewer Main Insulation	SF	80.00	\$7.00	\$560.00	\$4.00	\$320.00	\$3.76	\$300.80	\$6.00	\$480.00	\$3.85	\$308.00
TOTAL ALTERNATE NO. 1					\$184,510.00		\$133,072.00		\$120,940.54		\$143,160.00		\$278,081.55
ALTERNATE NO. 2													
2.1	Mobilization	LS	1.00	\$10,000.00	\$10,000.00	\$3,400.00	\$3,400.00	\$4,200.00	\$4,200.00	\$33,000.00	\$33,000.00	\$64,500.00	\$64,500.00
2.2	Incidental	LS	1.00	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00	\$4,318.00	\$4,318.00	\$200.00	\$200.00	\$59,950.00	\$59,950.00
2.3	Construction Staking	LS	1.00	\$1,000.00	\$1,000.00	\$2,700.00	\$2,700.00	\$2,887.50	\$2,887.50	\$1,500.00	\$1,500.00	\$950.00	\$950.00
2.4	Clearing and Grubbing	LS	1.00	\$1,500.00	\$1,500.00	\$4,500.00	\$4,500.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$1,550.00	\$1,550.00
2.5	Sawing, Asphalt Pavement	LF	1,052.00	\$3.00	\$3,156.00	\$2.00	\$2,104.00	\$2.00	\$2,104.00	\$2.00	\$2,104.00	\$2.50	\$2,630.00
2.6	Remove AC Pavement	SY	1,052.00	\$6.00	\$6,312.00	\$3.00	\$3,156.00	\$4.00	\$4,208.00	\$3.00	\$3,156.00	\$3.65	\$3,839.80

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
2.7	Remove Tree	EA	10.00	\$360.00	\$3,600.00	\$175.00	\$1,750.00	\$280.00	\$2,800.00	\$200.00	\$2,000.00	\$285.00	\$2,850.00
2.8	AASHTO T-180 Soil Test	EA	2.00	\$214.00	\$428.00	\$120.00	\$240.00	\$105.00	\$210.00	\$250.00	\$500.00	\$205.00	\$410.00
2.9	Excavation, Unclassified	CY	80.00	\$20.00	\$1,200.00	\$7.00	\$420.00	\$8.00	\$480.00	\$8.00	\$480.00	\$25.00	\$1,500.00
2.10	Topsoil, Stockpile & Replace	CY	63.00	\$14.00	\$882.00	\$20.00	\$1,260.00	\$5.00	\$315.00	\$5.00	\$315.00	\$50.00	\$3,150.00
2.11	Sodding	SY	230.00	\$15.00	\$3,450.00	\$7.00	\$1,610.00	\$7.85	\$1,805.50	\$12.00	\$2,760.00	\$11.00	\$2,530.00
2.12	Hauling & Placing Co-Compost	TON	6.00	\$50.00	\$300.00	\$50.00	\$300.00	\$30.00	\$180.00	\$65.00	\$390.00	\$62.00	\$372.00
2.13	Seeding, Fertilizing, Mulching - Non-Irrigated Lawn Mix	SY	460.00	\$3.00	\$1,380.00	\$1.50	\$690.00	\$3.13	\$1,439.80	\$6.00	\$2,760.00	\$5.50	\$2,530.00
2.14	Excavation, Rock (Trench)	CY	889.00	\$43.00	\$38,227.00	\$5.00	\$4,445.00	\$26.25	\$23,336.25	\$1.00	\$889.00	\$85.00	\$75,565.00
2.15	Controlled Low Strength Backfill Material (Trench)	CY	5.00	\$111.00	\$555.00	\$115.00	\$575.00	\$120.30	\$601.50	\$130.00	\$650.00	\$140.00	\$700.00
2.16	Imported Backfill Material (Trench)	CY	50.00	\$15.00	\$750.00	\$10.00	\$500.00	\$101.67	\$5,083.50	\$1.00	\$50.00	\$11.00	\$550.00
2.17	Type I Bedding Material	TON	10.00	\$18.00	\$180.00	\$15.00	\$150.00	\$19.92	\$199.20	\$1.00	\$10.00	\$15.25	\$152.50
2.18	Type II Foundation Material	TON	10.00	\$21.00	\$210.00	\$25.00	\$250.00	\$18.65	\$186.50	\$1.00	\$10.00	\$13.00	\$130.00
2.19	Type III Foundation Material	TON	10.00	\$22.00	\$220.00	\$25.00	\$250.00	\$18.65	\$186.50	\$1.00	\$10.00	\$15.00	\$150.00
2.20	8" PVC Sewer Main (0' - 6')	LF	74.00	\$30.00	\$2,220.00	\$23.00	\$1,702.00	\$27.27	\$2,017.98	\$100.00	\$7,400.00	\$28.00	\$2,072.00
2.21	8" PVC Sewer Main (6' - 8')	LF	404.00	\$35.00	\$14,140.00	\$25.00	\$10,100.00	\$27.27	\$11,017.08	\$100.00	\$40,400.00	\$29.00	\$11,716.00
2.22	8" PVC Sewer Main (8' - 10')	LF	404.00	\$35.00	\$14,140.00	\$26.00	\$10,504.00	\$28.09	\$11,348.36	\$100.00	\$40,400.00	\$32.50	\$13,130.00
2.23	8" PVC Sewer Main (10' - 12')	LF	53.00	\$38.00	\$2,014.00	\$28.00	\$1,484.00	\$28.09	\$1,488.77	\$100.00	\$5,300.00	\$41.25	\$2,186.25
2.24	4" PVC Sewer Service Line	LF	167.00	\$37.00	\$6,179.00	\$30.00	\$5,010.00	\$23.67	\$3,962.89	\$95.00	\$15,865.00	\$38.00	\$6,346.00
2.25	Standard Manhole, 48"	EA	3.00	\$2,850.00	\$8,550.00	\$2,400.00	\$7,200.00	\$2,101.18	\$6,303.54	\$2,600.00	\$7,800.00	\$2,800.00	\$8,400.00
2.26	Standard Manhole, 60"	EA	1.00	\$4,635.00	\$4,635.00	\$3,800.00	\$3,800.00	\$2,903.38	\$2,903.38	\$4,000.00	\$4,000.00	\$4,600.00	\$4,600.00
2.27	Termination Manhole, 48"	EA	2.00	\$2,856.00	\$5,712.00	\$2,600.00	\$5,200.00	\$2,018.08	\$4,036.16	\$2,500.00	\$5,000.00	\$2,400.00	\$4,800.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
2.28	Extra Manhole Depth, 60"	VF	1.20	\$354.00	\$424.80	\$450.00	\$540.00	\$221.50	\$265.80	\$200.00	\$240.00	\$385.00	\$462.00
2.29	Connect New Sewer Service	EA	6.00	\$421.00	\$2,526.00	\$750.00	\$4,500.00	\$416.70	\$2,500.20	\$100.00	\$600.00	\$685.00	\$4,110.00
2.30	Connect To Existing Manhole	EA	1.00	\$1,100.00	\$1,100.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$800.00	\$800.00	\$500.00	\$500.00
2.31	15" RCP, Class II	LF	21.00	\$35.00	\$735.00	\$43.00	\$903.00	\$38.43	\$807.03	\$50.00	\$1,050.00	\$40.00	\$840.00
2.32	15" RCP Flared End	EA	2.00	\$850.00	\$1,700.00	\$750.00	\$1,500.00	\$612.50	\$1,225.00	\$400.00	\$800.00	\$575.00	\$1,150.00
2.33	Erosion Control and Water Pollution Control	LS	1.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$630.00	\$630.00	\$500.00	\$500.00	\$250.00	\$250.00
2.34	Erosion Control, Inlet Protection	EA	1.00	\$140.00	\$140.00	\$125.00	\$125.00	\$293.00	\$293.00	\$200.00	\$200.00	\$205.00	\$205.00
2.35	Erosion Control, Perimeter Control	LF	90.00	\$4.00	\$360.00	\$5.00	\$450.00	\$5.20	\$468.00	\$4.00	\$360.00	\$4.00	\$360.00
2.36	Aggregate Base Course 3/4"	TON	355.00	\$21.00	\$7,455.00	\$19.00	\$6,745.00	\$18.48	\$6,553.30	\$15.00	\$5,325.00	\$30.00	\$10,650.00
2.37	AC Patching, Class G Type I PG64-28	TON	287.00	\$152.00	\$43,544.00	\$92.00	\$27,324.00	\$101.85	\$30,249.45	\$93.00	\$27,621.00	\$86.00	\$25,542.00
2.38	Deciduous Tree (2-3" CAL)	EA	4.00	\$594.33	\$2,377.32	\$500.00	\$2,000.00	\$411.80	\$1,646.40	\$500.00	\$2,000.00	\$490.00	\$1,960.00
2.39	Evergreen Tree (5')	EA	7.00	\$460.00	\$3,220.00	\$325.00	\$2,275.00	\$367.50	\$2,572.50	\$450.00	\$3,150.00	\$450.00	\$3,150.00
2.40	Traffic Control	LS	1.00	\$1,500.00	\$1,500.00	\$700.00	\$700.00	\$972.50	\$972.50	\$2,300.00	\$2,300.00	\$850.00	\$850.00
TOTAL ALTERNATE NO. 2					\$205,622.12		\$130,362.00		\$146,792.59		\$222,595.00		\$327,288.55
ALTERNATE NO. 3													
3.1	Mobilization	LS	1.00	\$20,000.00	\$20,000.00	\$3,400.00	\$3,400.00	\$11,400.00	\$11,400.00	\$43,000.00	\$43,000.00	\$159,650.00	\$159,650.00
3.2	Incidental	LS	1.00	\$12,000.00	\$12,000.00	\$90,000.00	\$90,000.00	\$34,594.00	\$34,594.00	\$200.00	\$200.00	\$152,500.00	\$152,500.00
3.3	Construction Staking	LS	1.00	\$1,500.00	\$1,500.00	\$3,300.00	\$3,300.00	\$3,937.50	\$3,937.50	\$1,500.00	\$1,500.00	\$1,850.00	\$1,850.00
3.4	Clearing and Grubbing	LS	1.00	\$1,500.00	\$1,500.00	\$4,400.00	\$4,400.00	\$2,000.00	\$2,000.00	\$500.00	\$500.00	\$1,550.00	\$1,550.00
3.5	Remove Pipe Culvert	LF	51.00	\$17.00	\$867.00	\$15.00	\$765.00	\$10.00	\$510.00	\$10.00	\$510.00	\$7.00	\$357.00
3.6	Sawing, Asphalt Pavement	LF	471.00	\$3.00	\$1,413.00	\$2.00	\$942.00	\$2.00	\$942.00	\$2.00	\$942.00	\$2.50	\$1,177.50

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
3.7	Remove AC Pavement	SY	2,511.00	\$6.00	\$15,066.00	\$3.00	\$7,533.00	\$5.00	\$12,555.00	\$3.00	\$7,533.00	\$2.50	\$6,277.50
3.8	AASHTO T-180 Soil Test	EA	2.00	\$214.00	\$428.00	\$120.00	\$240.00	\$105.00	\$210.00	\$250.00	\$500.00	\$205.00	\$410.00
3.9	Topsoil, Stockpile & Replace	CY	21.00	\$14.00	\$294.00	\$20.00	\$420.00	\$10.00	\$210.00	\$5.00	\$105.00	\$50.00	\$1,890.00
3.10	Sodding	SY	435.00	\$15.00	\$6,525.00	\$7.00	\$3,045.00	\$7.85	\$3,414.75	\$12.00	\$5,220.00	\$11.00	\$4,785.00
3.11	Hauling & Placing Co-Compost	TON	2.00	\$50.00	\$100.00	\$50.00	\$100.00	\$100.00	\$200.00	\$65.00	\$130.00	\$62.00	\$124.00
3.12	Seeding, Road Ditch Mix	SY	125.00	\$1.00	\$125.00	\$1.50	\$187.50	\$3.13	\$391.25	\$6.00	\$750.00	\$5.50	\$687.50
3.13	Excavation, Rock (Trench)	CY	3,098.00	\$43.00	\$133,257.00	\$5.00	\$15,495.00	\$26.25	\$81,348.75	\$1.00	\$3,098.00	\$85.00	\$263,415.00
3.14	Imported Backfill Material (Trench)	CY	50.00	\$15.00	\$750.00	\$10.00	\$500.00	\$13.67	\$683.50	\$1.00	\$50.00	\$11.00	\$550.00
3.15	Type I Bedding Material	TON	20.00	\$18.00	\$360.00	\$15.00	\$300.00	\$19.92	\$398.40	\$1.00	\$20.00	\$15.25	\$305.00
3.16	Type II Foundation Material	TON	20.00	\$21.00	\$420.00	\$25.00	\$500.00	\$18.65	\$373.00	\$1.00	\$20.00	\$13.00	\$260.00
3.17	Type III Foundation Material	TON	20.00	\$22.00	\$440.00	\$25.00	\$500.00	\$18.65	\$373.00	\$1.00	\$20.00	\$15.00	\$300.00
3.18	8" PVC Sewer Main (8' - 10')	LF	12.00	\$35.00	\$420.00	\$25.00	\$300.00	\$26.57	\$318.84	\$220.00	\$2,640.00	\$32.50	\$390.00
3.19	8" PVC Sewer Main (10' - 12')	LF	13.00	\$38.00	\$494.00	\$28.00	\$364.00	\$27.76	\$360.88	\$220.00	\$2,860.00	\$41.25	\$536.25
3.20	8" PVC Sewer Main (12' - 14')	LF	11.00	\$45.00	\$495.00	\$30.00	\$330.00	\$29.09	\$319.99	\$220.00	\$2,420.00	\$45.00	\$495.00
3.21	8" PVC Sewer Main (14' - 16')	LF	43.00	\$48.00	\$2,064.00	\$35.00	\$1,505.00	\$34.31	\$1,475.33	\$220.00	\$9,460.00	\$90.00	\$3,870.00
3.22	8" PVC Sewer Main (16' - 18')	LF	41.00	\$78.00	\$3,198.00	\$43.00	\$1,763.00	\$42.68	\$1,749.88	\$220.00	\$9,020.00	\$96.00	\$3,936.00
3.23	8" PVC Sewer Main (18'-20')	LF	61.00	\$83.00	\$5,063.00	\$50.00	\$3,050.00	\$86.01	\$5,246.61	\$220.00	\$13,420.00	\$107.00	\$6,527.00
3.24	8" PVC Sewer Main (20'-22')	LF	135.00	\$86.00	\$11,610.00	\$85.00	\$8,775.00	\$97.06	\$13,103.10	\$220.00	\$29,700.00	\$118.00	\$15,930.00
3.25	8" PVC Sewer Main (22'-24')	LF	106.00	\$90.00	\$9,540.00	\$72.00	\$7,632.00	\$151.43	\$16,051.68	\$220.00	\$23,320.00	\$135.00	\$14,310.00
3.26	8" Certa-Lok C900/RJ (12' - 14')	LF	13.00	\$50.00	\$650.00	\$38.00	\$494.00	\$41.48	\$539.24	\$235.00	\$3,055.00	\$70.00	\$910.00
3.27	8" Certa-Lok C500/RJ (14' - 16')	LF	6.00	\$53.00	\$318.00	\$43.00	\$258.00	\$46.70	\$280.20	\$235.00	\$1,410.00	\$75.00	\$450.00

[illegible]

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4.1	Mobilization	LS	1.00	\$10,000.00	\$10,000.00	\$3,400.00	\$3,400.00	\$3,900.00	\$3,900.00	\$26,000.00	\$26,000.00	\$56,300.00	\$56,300.00
4.2	Incidental	LS	1.00	\$6,000.00	\$6,000.00	\$37,000.00	\$37,000.00	\$8,425.00	\$8,425.00	\$200.00	\$200.00	\$58,125.00	\$58,125.00
4.3	Construction Staking	LS	1.00	\$750.00	\$750.00	\$2,000.00	\$2,000.00	\$2,887.50	\$2,887.50	\$1,200.00	\$1,200.00	\$550.00	\$550.00
4.4	Clearing and Grubbing	LS	1.00	\$1,500.00	\$1,500.00	\$4,400.00	\$4,400.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$1,550.00	\$1,550.00
4.5	Sawing, Asphalt Pavement	LF	1,016.00	\$3.00	\$3,048.00	\$2.00	\$2,032.00	\$2.00	\$2,032.00	\$2.00	\$2,032.00	\$2.50	\$2,540.00
4.6	Remove AC Pavement	SY	1,148.00	\$6.00	\$6,888.00	\$3.00	\$3,444.00	\$5.00	\$5,740.00	\$3.00	\$3,444.00	\$3.65	\$4,190.20
4.7	AASHTO T-180 Soil Test	EA	1.00	\$214.00	\$214.00	\$120.00	\$120.00	\$105.00	\$105.00	\$250.00	\$250.00	\$205.00	\$205.00
4.8	Topsoil, Stockpile & Replace	CY	17.00	\$14.00	\$238.00	\$20.00	\$340.00	\$5.00	\$85.00	\$6.00	\$85.00	\$110.00	\$1,870.00
4.9	Sodding	SY	150.00	\$15.00	\$2,250.00	\$7.00	\$1,050.00	\$7.35	\$1,102.50	\$12.00	\$1,800.00	\$11.00	\$1,650.00
4.10	Hauling & Placing Co-Compost	TON	2.00	\$50.00	\$100.00	\$50.00	\$100.00	\$30.00	\$60.00	\$65.00	\$130.00	\$62.00	\$124.00
4.11	Excavation, Rock (Trench)	CY	918.00	\$43.00	\$39,474.00	\$5.00	\$4,590.00	\$26.25	\$24,097.50	\$1.00	\$918.00	\$85.00	\$78,030.00
4.12	Imported Backfill Material (Trench)	CY	150.00	\$15.00	\$2,250.00	\$10.00	\$1,500.00	\$13.67	\$2,050.50	\$1.00	\$150.00	\$11.00	\$1,650.00
4.13	Type I Bedding Material	TON	50.00	\$18.00	\$900.00	\$15.00	\$750.00	\$19.92	\$996.00	\$1.00	\$50.00	\$15.25	\$762.50
4.14	Type II Foundation Material	TON	50.00	\$21.00	\$1,050.00	\$25.00	\$1,250.00	\$18.65	\$932.50	\$1.00	\$50.00	\$13.00	\$650.00
4.15	Type III Foundation Material	TON	50.00	\$22.00	\$1,100.00	\$25.00	\$1,250.00	\$18.65	\$932.50	\$1.00	\$50.00	\$15.00	\$750.00
4.16	8" PVC Sewer Main (6' - 8')	LF	362.00	\$35.00	\$12,670.00	\$24.00	\$8,688.00	\$21.71	\$7,856.02	\$130.00	\$47,060.00	\$29.00	\$10,495.00
4.17	8" PVC Sewer Main (8' - 10')	LF	103.00	\$35.00	\$3,605.00	\$25.00	\$2,575.00	\$24.82	\$2,556.46	\$130.00	\$13,390.00	\$32.50	\$3,347.50
4.18	8" PVC Sewer Main (10' - 12')	LF	66.00	\$38.00	\$2,508.00	\$26.00	\$1,716.00	\$24.82	\$1,638.12	\$130.00	\$8,580.00	\$41.25	\$2,722.50
4.19	8" PVC Sewer Main (12' - 14')	LF	123.00	\$45.00	\$5,535.00	\$28.00	\$3,444.00	\$25.97	\$3,194.31	\$130.00	\$15,990.00	\$55.00	\$6,765.00
4.20	8" PVC Sewer Main (14' - 16')	LF	48.00	\$48.00	\$2,304.00	\$30.00	\$1,440.00	\$30.47	\$1,462.56	\$130.00	\$6,240.00	\$64.00	\$3,072.00
4.21	8" PVC Sewer Main (16' - 18')	LF	29.00	\$78.00	\$2,262.00	\$35.00	\$1,015.00	\$37.68	\$1,092.72	\$130.00	\$3,770.00	\$70.00	\$2,030.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
4.22	4" PVC Sewer Service Line	LF	93.00	\$37.00	\$3,441.00	\$35.00	\$3,255.00	\$29.07	\$2,703.51	\$125.00	\$11,625.00	\$42.50	\$3,952.50
4.23	Standard Manhole, 48"	EA	3.00	\$2,850.00	\$8,550.00	\$2,400.00	\$7,200.00	\$2,101.18	\$6,303.54	\$2,500.00	\$7,500.00	\$2,800.00	\$8,400.00
4.24	Extra Manhole Depth, 48"	VF	16.90	\$215.00	\$3,633.50	\$300.00	\$5,070.00	\$221.50	\$3,743.35	\$80.00	\$1,362.00	\$250.00	\$4,225.00
4.25	Connect New Sewer Service	EA	4.00	\$421.00	\$1,684.00	\$750.00	\$3,000.00	\$422.20	\$1,688.80	\$100.00	\$400.00	\$525.00	\$2,100.00
4.26	Connect To Existing Manhole	EA	1.00	\$1,100.00	\$1,100.00	\$1,000.00	\$1,000.00	\$720.00	\$720.00	\$800.00	\$800.00	\$250.00	\$250.00
4.27	Erosion Control and Water Pollution Control	LS	1.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	\$1,150.00	\$1,150.00	\$600.00	\$500.00	\$250.00	\$250.00
4.28	Erosion Control, Inlet Protection	EA	2.00	\$140.00	\$280.00	\$120.00	\$240.00	\$193.00	\$386.00	\$200.00	\$400.00	\$205.00	\$410.00
4.29	Erosion Control, Perimeter Control	LF	175.00	\$4.00	\$700.00	\$5.00	\$875.00	\$4.20	\$735.00	\$4.00	\$700.00	\$4.00	\$700.00
4.30	Aggregate Base Course 3/4"	TON	387.00	\$21.00	\$8,127.00	\$19.00	\$7,353.00	\$18.46	\$7,144.02	\$15.00	\$5,805.00	\$30.00	\$11,610.00
4.31	AC Patching, Class G Type PG64-28	TON	323.00	\$152.00	\$49,096.00	\$89.00	\$28,747.00	\$101.85	\$32,897.55	\$90.00	\$29,070.00	\$84.00	\$27,132.00
4.32	Traffic Control	LS	1.00	\$1,500.00	\$1,500.00	\$800.00	\$800.00	\$1,735.00	\$1,735.00	\$2,000.00	\$2,000.00	\$850.00	\$850.00
TOTAL ALTERNATE NO. 4				\$184,257.50	\$184,257.50	\$141,644.00	\$141,644.00	\$131,355.96	\$131,355.96	\$192,041.00	\$192,041.00	\$297,261.20	\$297,261.20
ALTERNATE NO. 5													
5.1	Mobilization	LS	1.00	\$10,000.00	\$10,000.00	\$2,200.00	\$2,200.00	\$3,300.00	\$3,300.00	\$13,000.00	\$13,000.00	\$52,500.00	\$52,500.00
5.2	Incidental	LS	1.00	\$6,000.00	\$6,000.00	\$27,500.00	\$27,500.00	\$5,742.50	\$5,742.50	\$200.00	\$200.00	\$50,560.00	\$50,560.00
5.3	Construction Staking	LS	1.00	\$750.00	\$750.00	\$1,100.00	\$1,100.00	\$2,887.50	\$2,887.50	\$1,100.00	\$1,100.00	\$705.00	\$705.00
5.4	Clearing and Grubbing	LS	1.00	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00	\$200.00	\$200.00	\$500.00	\$500.00	\$1,550.00	\$1,550.00
5.5	Remove Gravel Surfacing	SY	31.00	\$8.00	\$248.00	\$20.00	\$620.00	\$2.00	\$62.00	\$1.00	\$31.00	\$8.00	\$279.00
5.6	Sawing, Asphalt Pavement	LF	95.00	\$3.00	\$285.00	\$2.00	\$190.00	\$2.00	\$190.00	\$2.00	\$190.00	\$2.50	\$237.50
5.7	Remove AC Pavement	SY	1,003.00	\$6.00	\$6,018.00	\$3.00	\$3,009.00	\$5.00	\$5,015.00	\$3.00	\$3,009.00	\$2.75	\$2,758.25
5.8	AASHTO T-180 Soil Test	EA	1.00	\$214.00	\$214.00	\$120.00	\$120.00	\$105.00	\$105.00	\$250.00	\$250.00	\$205.00	\$205.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5.9	Topsail, Stockpile & Replace	CY	30.00	\$14.00	\$420.00	\$20.00	\$600.00	\$5.00	\$150.00	\$5.00	\$150.00	\$85.00	\$2,550.00
5.10	Sodding	SY	260.00	\$15.00	\$3,900.00	\$7.00	\$1,820.00	\$7.85	\$2,041.00	\$12.00	\$3,120.00	\$11.00	\$2,860.00
5.11	Hauling & Placing Co-Compost	TON	3.00	\$50.00	\$150.00	\$50.00	\$150.00	\$100.00	\$300.00	\$65.00	\$195.00	\$62.00	\$186.00
5.12	Excavation, Rock (Trench)	CY	730.00	\$43.00	\$31,390.00	\$5.00	\$3,650.00	\$26.25	\$19,162.50	\$1.00	\$730.00	\$85.00	\$62,050.00
5.13	Imported Backfill Material (Trench)	CY	60.00	\$15.00	\$900.00	\$10.00	\$600.00	\$13.67	\$820.20	\$1.00	\$60.00	\$11.00	\$660.00
5.14	Type I Bedding Material	TON	50.00	\$18.00	\$900.00	\$15.00	\$750.00	\$19.92	\$996.00	\$1.00	\$50.00	\$15.25	\$762.50
5.15	Type II Foundation Material	TON	60.00	\$21.00	\$1,050.00	\$25.00	\$1,250.00	\$18.65	\$932.50	\$1.00	\$50.00	\$13.00	\$650.00
5.16	Type III Foundation Material	TON	50.00	\$22.00	\$1,100.00	\$25.00	\$1,250.00	\$18.65	\$932.50	\$1.00	\$50.00	\$15.00	\$750.00
5.17	8" PVC Sewer Main (6' - 8')	LF	27.00	\$35.00	\$945.00	\$25.00	\$675.00	\$21.71	\$586.17	\$170.00	\$4,590.00	\$29.00	\$783.00
5.18	8" PVC Sewer Main (8' - 10')	LF	23.00	\$35.00	\$805.00	\$26.00	\$598.00	\$24.82	\$570.86	\$170.00	\$3,910.00	\$32.50	\$747.50
5.19	8" PVC Sewer Main (10' - 12')	LF	22.00	\$38.00	\$836.00	\$27.00	\$594.00	\$24.82	\$546.04	\$170.00	\$3,740.00	\$41.25	\$907.50
5.20	8" PVC Sewer Main (12' - 14')	LF	24.00	\$45.00	\$1,080.00	\$32.00	\$768.00	\$25.97	\$623.28	\$170.00	\$4,080.00	\$45.00	\$1,080.00
5.21	8" PVC Sewer Main (14' - 16')	LF	27.00	\$48.00	\$1,296.00	\$35.00	\$945.00	\$30.47	\$822.69	\$170.00	\$4,590.00	\$62.00	\$1,674.00
5.22	8" PVC Sewer Main (16' - 18')	LF	191.00	\$78.00	\$14,898.00	\$43.00	\$8,213.00	\$37.68	\$7,196.88	\$170.00	\$32,470.00	\$70.00	\$13,370.00
5.23	8" PVC Sewer Main (18'-20')	LF	64.00	\$83.00	\$4,482.00	\$50.00	\$2,700.00	\$56.01	\$3,024.64	\$170.00	\$9,180.00	\$76.00	\$4,104.00
5.24	4" PVC Sewer Service Line	LF	58.00	\$37.00	\$2,146.00	\$40.00	\$2,320.00	\$29.07	\$1,686.06	\$160.00	\$9,280.00	\$38.00	\$2,204.00
5.25	Standard Manhole, 48"	EA	2.00	\$2,850.00	\$5,700.00	\$2,400.00	\$4,800.00	\$2,101.18	\$4,202.36	\$2,500.00	\$5,000.00	\$2,800.00	\$5,600.00
5.26	Extra Manhole Depth, 48"	VF	12.80	\$215.00	\$2,752.00	\$300.00	\$3,840.00	\$221.50	\$2,835.20	\$80.00	\$1,024.00	\$250.00	\$3,200.00
5.27	Connect New Sewer Service	EA	2.00	\$421.00	\$842.00	\$1,000.00	\$2,000.00	\$422.20	\$844.40	\$100.00	\$200.00	\$525.00	\$1,050.00
5.28	Connect To Existing Manhole	EA	1.00	\$1,100.00	\$1,100.00	\$1,000.00	\$1,000.00	\$720.00	\$720.00	\$800.00	\$800.00	\$250.00	\$250.00
5.29	Erosion Control and Water Pollution Control	LS	1.00	\$1,500.00	\$1,500.00	\$800.00	\$800.00	\$1,150.00	\$1,150.00	\$300.00	\$300.00	\$250.00	\$250.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		MAINLINE CONTRACTING INC		RAPID CONSTRUCTION LLC		WESTERN MUNICIPAL CONSTRUCTION INC		HILLS MATERIAL COMPANY	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
5.30	Erosion Control, Inlet Protection	EA	1.00	\$140.00	\$140.00	\$120.00	\$120.00	\$150.00	\$150.00	\$200.00	\$200.00	\$205.00	\$205.00
5.31	Erosion Control, Perimeter Control	LF	35.00	\$4.00	\$140.00	\$5.00	\$175.00	\$3.00	\$105.00	\$4.00	\$140.00	\$4.00	\$140.00
5.32	Aggregate Base Course 3/4"	TON	338.00	\$21.00	\$7,098.00	\$19.00	\$6,422.00	\$18.46	\$6,239.48	\$15.00	\$5,070.00	\$30.00	\$10,140.00
5.33	Gravel Surfacing, 6" Thick, Permanent	TON	31.00	\$20.00	\$620.00	\$23.00	\$713.00	\$18.46	\$572.26	\$40.00	\$1,240.00	\$30.00	\$930.00
5.34	AC Patching, Class G Type I PG64-28	TON	282.00	\$152.00	\$42,864.00	\$89.00	\$25,098.00	\$101.85	\$28,721.70	\$90.00	\$25,380.00	\$84.00	\$23,688.00
5.35	Traffic Control	LS	1.00	\$1,500.00	\$1,500.00	\$800.00	\$800.00	\$1,682.50	\$1,682.50	\$1,200.00	\$1,200.00	\$900.00	\$900.00
TOTAL ALTERNATE NO. 5					\$155,569.00		\$111,390.00		\$105,116.12		\$135,079.00		\$250,486.25

CITY OF RAPID CITY

Reviewed by:

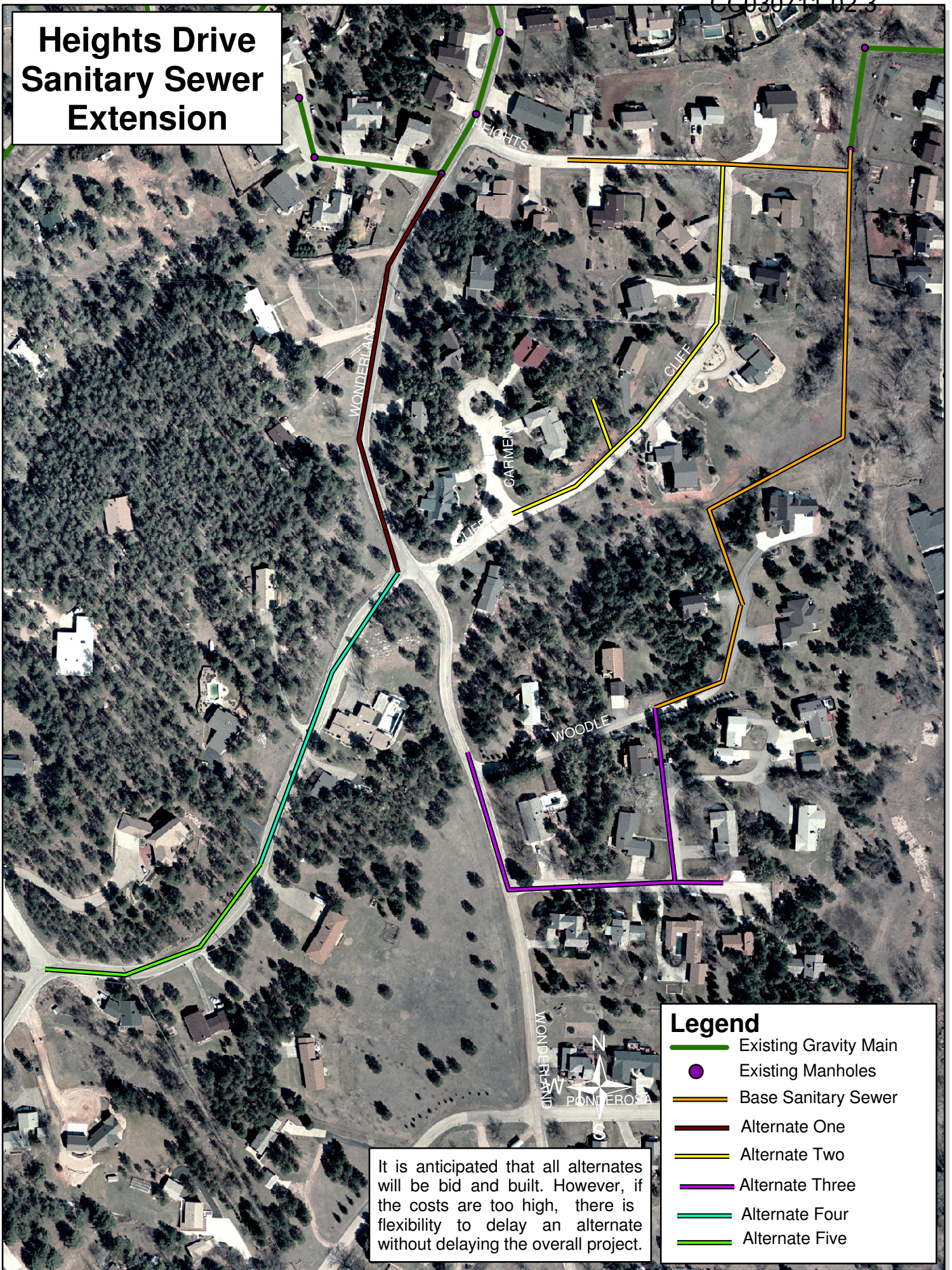


3/24/11

Date

Stacey Titus, PE - Design Group Coordinator

Heights Drive Sanitary Sewer Extension



Legend

- Existing Gravity Main
- Existing Manholes
- Base Sanitary Sewer
- Alternate One
- Alternate Two
- Alternate Three
- Alternate Four
- Alternate Five

It is anticipated that all alternates will be bid and built. However, if the costs are too high, there is flexibility to delay an alternate without delaying the overall project.