

ENGINEERING
LANDSCAPE ARCHITECTURE
LAND PLANNING



DREAM DESIGN
INTERNATIONAL, INC.

CONSTRUCTION OBSERVATION
REAL ESTATE DEVELOPMENT
PROPERTY MANAGEMENT

September 2, 2010

Mr. Louie Arguello, Engineering Project Administrator

City of Rapid City Engineering Division

300 Sixth Street

Rapid City, SD 57701

RE: Cliff Drive Sanitary Sewer Extension Project No. SS09-1830 / CIP NO. 50778

Dear Mr. Arguello:

The City Finance Office has opened bids for the above referenced project on August 31, 2010. We have reviewed the bids and attached with this letter a certified "Bid Tabulation" and Bid Results as read.

The engineer's estimate for all the project alternatives was \$630,526.00. The lowest responsible bidder appears to be RCS Construction, Inc in the amount of \$539,053.88. The lowest bidder and other bidders have acknowledged addenda noted and have provided a DBE Subcontractor Solicitation Information.

We recommend that the base bid and all alternates be awarded to RCS Construction, Inc. for a total Bid of \$539,053.88.

We have enjoyed working with you on this project and we want to thank you for your help throughout the duration of the project.

Sincerely,

DREAM DESIGN INTERNATIONAL, INC.

Hani Shafai, PE, MSCE

President

Attachments

528 KANSAS CITY STREET, SUITE 4 ♦ RAPID CITY, SOUTH DAKOTA 57701
PHONE: 605.348.0538 ♦ FAX: 605.348.0545 ♦ DREAMDESIGNINC.COM

designing for a better world

BID TABULATION
CLIFF DIRVE SANITARY SEWER EXTENSION
PROJECT NO. SS08-1830 / CIP NO. 50778
BID LETTING DATE: AUGUST 31, 2010

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		R.C.S. CONSTRUCTION, INC.		MAINLINE CONTRACTING, INC.		HIGHMARK, INC.		RAPID CONSTRUCTON COMPANY, LLC		HILLS MATERIALS COMPANY		SITE WORK SPECIALISTS, INC.	
				UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST
BASE BID																	
1	Mobilization	LS	1.00	\$30,000.00	\$30,000.00	\$37,000.00	\$37,000.00	\$7,500.00	\$7,500.00	\$20,000.00	\$20,000.00	\$87,027.00	\$87,027.00	\$45,000.00	\$45,000.00	\$26,650.00	\$26,650.00
2	Construction Staking	LS	1.00	\$2,500.00	\$2,500.00	\$7,800.00	\$7,800.00	\$2,700.00	\$2,700.00	\$6,500.00	\$6,500.00	\$6,277.74	\$6,277.74	\$7,550.00	\$7,550.00	\$6,500.00	\$6,500.00
3	AASHTO T-180 Soil Test	EA	6.00	\$214.00	\$1,284.00	\$142.00	\$852.00	\$165.00	\$990.00	\$150.00	\$900.00	\$137.50	\$825.00	\$165.00	\$990.00	\$250.00	\$1,500.00
4	Traffic Control Plan	LS	1.00	\$1,200.00	\$1,200.00	\$966.00	\$966.00	\$950.00	\$950.00	\$1,000.00	\$1,000.00	\$935.00	\$935.00	\$900.00	\$900.00	\$550.00	\$550.00
5	Traffic Control	LS	1.00	\$7,000.00	\$7,000.00	\$4,700.00	\$4,700.00	\$4,700.00	\$4,700.00	\$5,000.00	\$5,000.00	\$7,843.00	\$7,843.00	\$4,500.00	\$4,500.00	\$6,600.00	\$6,600.00
6	Incidental	LS	1.00	\$15,000.00	\$15,000.00	\$10,800.00	\$10,800.00	\$25,000.00	\$25,000.00	\$5,200.00	\$5,200.00	\$5,350.27	\$5,350.27	\$35,000.00	\$35,000.00	\$24,000.00	\$24,000.00
7	Sawing, Asphalt Pavement	LF	1,714.00	\$3.00	\$5,142.00	\$0.96	\$1,645.44	\$1.75	\$2,999.50	\$1.75	\$2,999.50	\$3.50	\$5,999.00	\$1.35	\$2,313.90	\$4.00	\$6,856.00
8	Remove AC Pavement	SY	1,767.00	\$6.00	\$10,602.00	\$2.60	\$4,594.20	\$3.50	\$6,184.50	\$2.50	\$4,417.50	\$5.73	\$10,124.91	\$2.35	\$4,152.45	\$9.50	\$16,786.50
9	Excavation, Rock (Trench)	CY	230.00	\$43.00	\$9,890.00	\$184.00	\$42,320.00	\$190.00	\$43,700.00	\$200.00	\$46,000.00	\$50.89	\$11,704.70	\$220.00	\$50,600.00	\$100.00	\$23,000.00
10	Imported Backfill Material (Trench)	CY	230.00	\$15.00	\$3,450.00	\$13.00	\$2,990.00	\$5.00	\$1,150.00	\$10.00	\$2,300.00	\$15.67	\$3,604.10	\$14.00	\$3,220.00	\$9.00	\$2,070.00
11	Type I Bedding Material	TON	50.00	\$18.00	\$900.00	\$18.00	\$900.00	\$12.00	\$600.00	\$15.00	\$750.00	\$19.51	\$975.50	\$14.00	\$700.00	\$26.00	\$1,300.00
12	Type II Foundation Material	TON	50.00	\$21.00	\$1,050.00	\$21.00	\$1,050.00	\$14.00	\$700.00	\$15.00	\$750.00	\$20.94	\$1,047.00	\$13.00	\$650.00	\$28.00	\$1,400.00
13	Type III Foundation Material	TON	50.00	\$22.00	\$1,100.00	\$21.00	\$1,050.00	\$15.00	\$750.00	\$15.00	\$750.00	\$20.94	\$1,047.00	\$14.00	\$700.00	\$44.00	\$2,200.00
14	Controlled Low Strength Backfill Material (Trench)	CY	15.00	\$111.00	\$1,665.00	\$120.00	\$1,800.00	\$80.00	\$1,200.00	\$120.00	\$1,800.00	\$122.50	\$1,837.50	\$100.00	\$1,500.00	\$150.00	\$2,250.00
15	8" PVC Sewer Main (0' - 6')	LF	47.00	\$30.00	\$1,410.00	\$22.00	\$1,034.00	\$16.00	\$752.00	\$33.00	\$1,551.00	\$22.71	\$1,067.37	\$23.00	\$1,081.00	\$35.00	\$1,645.00
16	8" PVC Sewer Main (6' - 8')	LF	254.00	\$35.00	\$8,890.00	\$22.00	\$5,588.00	\$21.00	\$5,334.00	\$33.00	\$8,382.00	\$23.75	\$6,032.50	\$27.00	\$6,858.00	\$35.00	\$8,890.00
17	8" PVC Sewer Main (8' - 10')	LF	412.00	\$35.00	\$14,420.00	\$22.00	\$9,064.00	\$25.00	\$10,300.00	\$33.00	\$13,596.00	\$26.31	\$10,839.72	\$29.50	\$12,154.00	\$43.00	\$17,716.00
18	8" PVC Sewer Main (10' - 12')	LF	236.00	\$38.00	\$8,968.00	\$22.00	\$5,192.00	\$30.00	\$7,080.00	\$35.00	\$8,260.00	\$32.08	\$7,570.88	\$34.75	\$8,201.00	\$50.00	\$11,800.00
19	8" PVC Sewer Main (12' - 14')	LF	195.00	\$45.00	\$8,775.00	\$24.00	\$4,680.00	\$35.00	\$6,825.00	\$38.00	\$7,410.00	\$38.33	\$7,474.35	\$37.00	\$7,215.00	\$60.00	\$11,700.00
20	8" PVC Sewer Main (14' - 16')	LF	256.00	\$48.00	\$12,288.00	\$25.00	\$6,400.00	\$40.00	\$10,240.00	\$42.00	\$10,752.00	\$57.08	\$14,612.48	\$40.00	\$10,240.00	\$65.00	\$16,640.00
21	8" PVC Sewer Main (16' - 18')	LF	133.00	\$78.00	\$10,374.00	\$26.00	\$3,458.00	\$44.00	\$5,852.00	\$50.00	\$6,650.00	\$69.58	\$9,254.14	\$50.00	\$6,650.00	\$80.00	\$10,640.00
22	4" PVC Sewer Service Line	LF	253.00	\$37.00	\$9,361.00	\$20.00	\$5,060.00	\$50.00	\$12,650.00	\$35.00	\$8,855.00	\$35.61	\$9,009.33	\$37.00	\$9,361.00	\$36.00	\$9,108.00
23	Drop Manhole, 48"	EA	2.00	\$3,970.00	\$7,940.00	\$3,200.00	\$6,400.00	\$5,000.00	\$10,000.00	\$4,500.00	\$9,000.00	\$3,027.01	\$6,054.02	\$3,750.00	\$7,500.00	\$5,000.00	\$10,000.00
24	Standard Manhole, 60"	EA	1.00	\$4,635.00	\$4,635.00	\$4,100.00	\$4,100.00	\$5,200.00	\$5,200.00	\$4,000.00	\$4,000.00	\$2,802.77	\$2,802.77	\$3,850.00	\$3,850.00	\$4,500.00	\$4,500.00
25	Standard Manhole, 48"	EA	5.00	\$2,850.00	\$14,250.00	\$2,700.00	\$13,500.00	\$2,700.00	\$13,500.00	\$3,000.00	\$15,000.00	\$2,009.37	\$10,046.85	\$2,450.00	\$12,250.00	\$2,600.00	\$13,000.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		R.C.S. CONSTRUCTION, INC.		MAINLINE CONTRACTING, INC.		HIGHMARK, INC.		RAPID CONSTRUCTON COMPANY, LLC		HILLS MATERIALS COMPANY		SITE WORK SPECIALISTS, INC.	
				UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST
26	Termination Manhole, 48"	EA	1.00	\$2,856.00	\$2,856.00	\$2,600.00	\$2,600.00	\$2,650.00	\$2,650.00	\$2,500.00	\$2,500.00	\$1,890.57	\$1,890.57	\$2,250.00	\$2,250.00	\$2,800.00	\$2,800.00
27	Extra Manhole Depth, 48"	VF	43.40	\$215.00	\$9,331.00	\$112.00	\$4,860.80	\$200.00	\$8,680.00	\$250.00	\$10,850.00	\$180.50	\$7,833.70	\$265.00	\$11,501.00	\$250.00	\$10,850.00
28	Extra Manhole Depth, 60"	VF	1.00	\$354.00	\$354.00	\$260.00	\$260.00	\$450.00	\$450.00	\$500.00	\$500.00	\$223.50	\$223.50	\$550.00	\$550.00	\$450.00	\$450.00
29	Connect New Sewer Service	EA	10.00	\$421.00	\$4,210.00	\$193.00	\$1,930.00	\$600.00	\$6,000.00	\$325.00	\$3,250.00	\$330.22	\$3,302.20	\$345.00	\$3,450.00	\$400.00	\$4,000.00
30	Connect To Existing Sewer Main	EA	2.00	\$735.00	\$1,470.00	\$250.00	\$500.00	\$400.00	\$800.00	\$500.00	\$1,000.00	\$356.11	\$712.22	\$125.00	\$250.00	\$500.00	\$1,000.00
31	Remove Manhole	EA	1.00	\$634.00	\$634.00	\$800.00	\$800.00	\$400.00	\$400.00	\$500.00	\$500.00	\$700.00	\$700.00	\$490.00	\$490.00	\$450.00	\$450.00
32	Bypass Pumping	LS	1.00	\$6,000.00	\$6,000.00	\$4,700.00	\$4,700.00	\$350.00	\$350.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$350.00	\$350.00	\$6,800.00	\$6,800.00
33	AC Patching, Class G Type I PG64-28	TON	547.00	\$140.00	\$76,580.00	\$118.00	\$64,546.00	\$109.00	\$59,623.00	\$115.65	\$63,260.55	\$116.41	\$63,676.27	\$106.00	\$57,982.00	\$110.00	\$60,170.00
34	Aggregate Base Course 3/4"	TON	656.00	\$21.00	\$13,776.00	\$18.00	\$11,808.00	\$21.00	\$13,776.00	\$19.00	\$12,464.00	\$19.27	\$12,641.12	\$28.00	\$18,368.00	\$20.00	\$13,120.00
35	Remove PCC Driveway Pavement	SY	40.00	\$9.00	\$360.00	\$3.00	\$120.00	\$7.00	\$280.00	\$10.00	\$400.00	\$8.86	\$354.40	\$10.00	\$400.00	\$12.00	\$480.00
36	Remove Gravel Surfacing	SY	365.00	\$8.00	\$2,920.00	\$7.00	\$2,555.00	\$1.00	\$365.00	\$3.50	\$1,277.50	\$4.06	\$1,481.90	\$2.60	\$949.00	\$3.00	\$1,095.00
37	PCC Driveway Pavement, 6" Nonreinforced	SY	40.00	\$60.00	\$2,400.00	\$62.00	\$2,480.00	\$46.00	\$1,840.00	\$55.00	\$2,200.00	\$46.20	\$1,848.00	\$52.00	\$2,080.00	\$125.00	\$5,000.00
38	Gravel Surfacing, 6" Thick, Permanent	TON	136.00	\$20.00	\$2,720.00	\$18.00	\$2,448.00	\$16.00	\$2,176.00	\$19.00	\$2,584.00	\$19.27	\$2,620.72	\$28.00	\$3,808.00	\$18.83	\$2,560.88
39	Clearing and Grubbing	LS	1.00	\$1,500.00	\$1,500.00	\$977.00	\$977.00	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$200.00	\$200.00	\$1,200.00	\$1,200.00	\$5,000.00	\$5,000.00
40	Topsoil, Stockpile & Replace	CY	175.00	\$14.00	\$2,450.00	\$5.00	\$875.00	\$18.00	\$3,150.00	\$15.00	\$2,625.00	\$40.00	\$7,000.00	\$37.00	\$6,475.00	\$9.74	\$1,704.50
41	Hauling & Placing Co-Compost	TON	16.00	\$50.00	\$800.00	\$47.00	\$752.00	\$85.00	\$1,360.00	\$25.00	\$400.00	\$75.00	\$1,200.00	\$32.50	\$520.00	\$20.97	\$335.52
42	Remove Tree	EA	4.00	\$360.00	\$1,440.00	\$600.00	\$2,400.00	\$350.00	\$1,400.00	\$500.00	\$2,000.00	\$200.00	\$800.00	\$235.00	\$940.00	\$600.00	\$2,400.00
43	Evergreen Tree (5')	EA	4.00	\$460.00	\$1,840.00	\$511.00	\$2,044.00	\$430.00	\$1,720.00	\$650.00	\$2,600.00	\$605.00	\$2,420.00	\$425.00	\$1,700.00	\$430.00	\$1,720.00
44	Seeding, Fertilizing, Mulching - Non-Irrigated Lawn Mix	SY	688.00	\$3.00	\$2,064.00	\$1.70	\$1,169.60	\$2.50	\$1,720.00	\$1.75	\$1,204.00	\$4.15	\$2,855.20	\$2.60	\$1,788.80	\$2.50	\$1,720.00
45	Seeding, Road Ditch Mix	SY	173.00	\$1.00	\$173.00	\$1.70	\$294.10	\$2.00	\$346.00	\$1.72	\$297.56	\$4.15	\$717.95	\$2.00	\$346.00	\$2.50	\$432.50
46	Sodding	SY	117.00	\$15.00	\$1,755.00	\$6.00	\$702.00	\$7.00	\$819.00	\$6.25	\$731.25	\$8.44	\$987.48	\$7.25	\$848.25	\$8.00	\$936.00
47	Erosion Control and Water Pollution Control Plan	LS	1.00	\$2,000.00	\$2,000.00	\$570.00	\$570.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$130.00	\$130.00	\$1,000.00	\$1,000.00
48	Erosion Control and Water Pollution Control	LS	1.00	\$1,000.00	\$1,000.00	\$2,950.00	\$2,950.00	\$3,500.00	\$3,500.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$1,300.00	\$1,300.00	\$12,000.00	\$12,000.00
49	Erosion Control, Inlet Protection	EA	5.00	\$140.00	\$700.00	\$330.00	\$1,650.00	\$110.00	\$550.00	\$250.00	\$1,250.00	\$120.00	\$600.00	\$112.00	\$560.00	\$170.00	\$850.00
50	Rock Construction Entrance	TON	200.00	\$21.00	\$4,200.00	\$18.00	\$3,600.00	\$18.00	\$3,600.00	\$25.00	\$5,000.00	\$21.94	\$4,388.00	\$17.00	\$3,400.00	\$30.00	\$6,000.00
51	Erosion Control, Perimeter Control	LF	1,035.00	\$4.00	\$4,140.00	\$4.50	\$4,657.50	\$4.00	\$4,140.00	\$5.00	\$5,175.00	\$4.00	\$4,140.00	\$4.25	\$4,398.75	\$4.50	\$4,657.50
52	Remove Pipe Culvert	LF	48.00	\$17.00	\$816.00	\$12.00	\$576.00	\$7.00	\$336.00	\$5.00	\$240.00	\$9.33	\$447.84	\$3.45	\$165.60	\$10.00	\$480.00
53	12" CMP	LF	16.00	\$30.00	\$480.00	\$27.00	\$432.00	\$23.00	\$368.00	\$20.00	\$320.00	\$17.49	\$279.84	\$28.69	\$459.04	\$36.00	\$576.00
54	15" CMP	LF	32.00	\$35.00	\$1,120.00	\$31.00	\$992.00	\$26.00	\$832.00	\$25.00	\$800.00	\$20.46	\$654.72	\$31.73	\$1,015.36	\$38.00	\$1,216.00
55	15" CMP Flared End Section	EA	2.00	\$400.00	\$800.00	\$185.00	\$370.00	\$175.00	\$350.00	\$200.00	\$400.00	\$168.18	\$336.36	\$252.83	\$505.66	\$230.00	\$460.00
TOTAL BASE BID					\$342,983.00		\$307,562.64		\$310,938.00		\$322,151.86		\$357,174.12		\$371,316.81		\$387,565.40

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				UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST
ALTERNATE NO. 1																	
1.1	Mobilization	LS	1.00	\$10,000.00	\$10,000.00	\$2,000.00	\$2,000.00	\$1,600.00	\$1,600.00	\$5,000.00	\$5,000.00	\$17,604.00	\$17,604.00	\$15,000.00	\$15,000.00	\$1,000.00	\$1,000.00
1.2	Construction Staking	LS	1.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$350.00	\$350.00	\$1,000.00	\$1,000.00	\$970.11	\$970.11	\$1,000.00	\$1,000.00	\$2,600.00	\$2,600.00
1.3	AASHTO T-180 Soil Test	EA	2.00	\$214.00	\$428.00	\$142.00	\$284.00	\$165.00	\$330.00	\$150.00	\$300.00	\$137.50	\$275.00	\$165.00	\$330.00	\$250.00	\$500.00
1.4	Traffic Control	LS	1.00	\$1,000.00	\$1,000.00	\$284.00	\$284.00	\$280.00	\$280.00	\$500.00	\$500.00	\$950.00	\$950.00	\$275.00	\$275.00	\$5,450.00	\$5,450.00
1.5	Incidental	LS	1.00	\$5,000.00	\$5,000.00	\$1,400.00	\$1,400.00	\$1,200.00	\$1,200.00	\$2,200.00	\$2,200.00	\$265.00	\$265.00	\$9,500.00	\$9,500.00	\$5,700.00	\$5,700.00
1.6	Sawing, Asphalt Pavement	LF	234.00	\$3.00	\$702.00	\$0.96	\$224.64	\$1.75	\$409.50	\$1.75	\$409.50	\$3.50	\$819.00	\$1.65	\$386.10	\$4.00	\$936.00
1.7	Remove AC Pavement	SY	550.00	\$6.00	\$3,300.00	\$2.58	\$1,419.00	\$3.50	\$1,925.00	\$2.50	\$1,375.00	\$6.49	\$3,569.50	\$2.70	\$1,485.00	\$9.50	\$5,225.00
1.8	Excavation, Rock (Trench)	CY	20.00	\$43.00	\$860.00	\$184.00	\$3,680.00	\$190.00	\$3,800.00	\$200.00	\$4,000.00	\$50.89	\$1,017.80	\$220.00	\$4,400.00	\$100.00	\$2,000.00
1.9	Imported Backfill Material (Trench)	CY	20.00	\$15.00	\$300.00	\$13.00	\$260.00	\$5.00	\$100.00	\$10.00	\$200.00	\$15.67	\$313.40	\$14.00	\$280.00	\$9.00	\$180.00
1.10	Type I Bedding Material	TON	15.00	\$18.00	\$270.00	\$18.00	\$270.00	\$12.00	\$180.00	\$15.00	\$225.00	\$19.51	\$292.65	\$15.00	\$225.00	\$26.00	\$390.00
1.11	Type II Foundation Material	TON	15.00	\$21.00	\$315.00	\$21.00	\$315.00	\$14.00	\$210.00	\$15.00	\$225.00	\$20.94	\$314.10	\$13.00	\$195.00	\$28.00	\$420.00
1.12	Type III Foundation Material	TON	15.00	\$22.00	\$330.00	\$21.00	\$315.00	\$15.00	\$225.00	\$15.00	\$225.00	\$20.94	\$314.10	\$14.00	\$210.00	\$44.00	\$660.00
1.13	Controlled Low Strength Backfill Material (Trench)	CY	5.00	\$111.00	\$555.00	\$120.00	\$600.00	\$80.00	\$400.00	\$120.00	\$600.00	\$122.50	\$612.50	\$100.00	\$500.00	\$150.00	\$750.00
1.14	8" PVC Sewer Main (8' - 10')	LF	41.00	\$35.00	\$1,435.00	\$22.00	\$902.00	\$25.00	\$1,025.00	\$33.00	\$1,353.00	\$26.31	\$1,078.71	\$31.00	\$1,271.00	\$33.00	\$1,353.00
1.15	8" PVC Sewer Main (10' - 12')	LF	291.00	\$38.00	\$11,058.00	\$22.00	\$6,402.00	\$30.00	\$8,730.00	\$35.00	\$10,185.00	\$32.08	\$9,335.28	\$34.35	\$9,995.85	\$39.00	\$11,349.00
1.16	8" PVC Sewer Main (12' - 14')	LF	148.00	\$45.00	\$6,660.00	\$24.00	\$3,552.00	\$35.00	\$5,180.00	\$38.00	\$5,624.00	\$38.33	\$5,672.84	\$37.50	\$5,550.00	\$54.00	\$7,992.00
1.17	4" PVC Sewer Service Line	LF	107.00	\$37.00	\$3,959.00	\$20.00	\$2,140.00	\$50.00	\$5,350.00	\$35.00	\$3,745.00	\$35.61	\$3,810.27	\$35.75	\$3,825.25	\$36.36	\$3,890.52
1.18	Standard Manhole, 48"	EA	3.00	\$2,850.00	\$8,550.00	\$2,765.00	\$8,295.00	\$2,700.00	\$8,100.00	\$3,000.00	\$9,000.00	\$2,009.37	\$6,028.11	\$2,400.00	\$7,200.00	\$2,600.00	\$7,800.00
1.19	Extra Manhole Depth, 48"	VF	16.90	\$215.00	\$3,633.50	\$135.00	\$2,281.50	\$200.00	\$3,380.00	\$250.00	\$4,225.00	\$180.50	\$3,050.45	\$250.00	\$4,225.00	\$250.00	\$4,225.00
1.20	Connect New Sewer Service	EA	4.00	\$421.00	\$1,684.00	\$160.00	\$640.00	\$600.00	\$2,400.00	\$325.00	\$1,300.00	\$334.71	\$1,338.84	\$365.00	\$1,460.00	\$400.00	\$1,600.00
1.21	Connect To Existing Manhole	EA	1.00	\$1,100.00	\$1,100.00	\$243.00	\$243.00	\$875.00	\$875.00	\$1,000.00	\$1,000.00	\$356.11	\$356.11	\$550.00	\$550.00	\$900.00	\$900.00
1.22	AC Patching, Class G Type I PG64-28	TON	170.00	\$140.00	\$23,800.00	\$123.00	\$20,910.00	\$109.00	\$18,530.00	\$115.65	\$19,660.50	\$118.80	\$20,196.00	\$104.00	\$17,680.00	\$110.00	\$18,700.00
1.23	Aggregate Base Course 3/4"	TON	205.00	\$21.00	\$4,305.00	\$18.00	\$3,690.00	\$21.00	\$4,305.00	\$19.00	\$3,895.00	\$19.27	\$3,950.35	\$28.00	\$5,740.00	\$20.00	\$4,100.00
1.24	Clearing and Grubbing	LS	1.00	\$500.00	\$500.00	\$1,050.00	\$1,050.00	\$230.00	\$230.00	\$2,000.00	\$2,000.00	\$100.00	\$100.00	\$800.00	\$800.00	\$1,500.00	\$1,500.00
1.25	Topsoil, Stockpile & Replace	CY	55.00	\$14.00	\$770.00	\$8.00	\$440.00	\$18.00	\$990.00	\$15.00	\$825.00	\$40.00	\$2,200.00	\$43.00	\$2,365.00	\$9.75	\$536.25
1.26	Hauling & Placing Co-Compost	TON	5.00	\$50.00	\$250.00	\$47.00	\$235.00	\$85.00	\$425.00	\$25.00	\$125.00	\$75.00	\$375.00	\$32.00	\$160.00	\$21.00	\$105.00
1.27	Seeding, Fertilizing, Mulching - Non-Irrigated Lawn Mix	SY	328.00	\$3.00	\$984.00	\$1.70	\$557.60	\$2.50	\$820.00	\$1.75	\$574.00	\$4.15	\$1,361.20	\$2.60	\$852.80	\$2.50	\$820.00
1.28	Erosion Control and Water Pollution Control	LS	1.00	\$500.00	\$500.00	\$1,270.00	\$1,270.00	\$250.00	\$250.00	\$1,000.00	\$1,000.00	\$300.00	\$300.00	\$550.00	\$550.00	\$500.00	\$500.00
1.29	Erosion Control, Inlet Protection	EA	1.00	\$140.00	\$140.00	\$330.00	\$330.00	\$110.00	\$110.00	\$250.00	\$250.00	\$120.00	\$120.00	\$112.00	\$112.00	\$170.00	\$170.00
1.30	Erosion Control, Perimeter Control	LF	195.00	\$4.00	\$780.00	\$4.00	\$780.00	\$4.00	\$780.00	\$5.00	\$975.00	\$4.00	\$780.00	\$4.50	\$877.50	\$4.50	\$877.50
TOTAL ALTERNATE NO. 1					\$94,168.50		\$65,769.74		\$72,489.50		\$81,996.00		\$87,370.32		\$97,000.50		\$92,229.27

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		R.C.S. CONSTRUCTION, INC.		MAINLINE CONTRACTING, INC.		HIGHMARK, INC.		RAPID CONSTRUCTON COMPANY, LLC		HILLS MATERIALS COMPANY		SITE WORK SPECIALISTS, INC.	
				UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST
ALTERNATE NO. 2																	
2.1	Mobilization	LS	1.00	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00	\$1,600.00	\$1,600.00	\$5,000.00	\$5,000.00	\$18,077.00	\$18,077.00	\$13,000.00	\$13,000.00	\$1,000.00	\$1,000.00
2.2	Construction Staking	LS	1.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$970.11	\$970.11	\$1,000.00	\$1,000.00	\$2,200.00	\$2,200.00
2.3	AASHTO T-180 Soil Test	EA	2.00	\$214.00	\$428.00	\$142.00	\$284.00	\$165.00	\$330.00	\$150.00	\$300.00	\$137.50	\$275.00	\$165.00	\$330.00	\$250.00	\$500.00
2.4	Traffic Control	LS	1.00	\$1,000.00	\$1,000.00	\$284.00	\$284.00	\$280.00	\$280.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$275.00	\$275.00	\$5,000.00	\$5,000.00
2.5	Incidental	LS	1.00	\$5,000.00	\$5,000.00	\$1,420.00	\$1,420.00	\$1,000.00	\$1,000.00	\$2,200.00	\$2,200.00	\$765.00	\$765.00	\$10,500.00	\$10,500.00	\$3,400.00	\$3,400.00
2.6	Sawing, Asphalt Pavement	LF	772.00	\$3.00	\$2,316.00	\$0.96	\$741.12	\$1.75	\$1,351.00	\$1.75	\$1,351.00	\$3.50	\$2,702.00	\$1.65	\$1,273.80	\$4.00	\$3,088.00
2.7	Remove AC Pavement	SY	929.00	\$6.00	\$5,574.00	\$2.60	\$2,415.40	\$3.50	\$3,251.50	\$2.50	\$2,322.50	\$5.67	\$5,267.43	\$2.35	\$2,183.15	\$9.50	\$8,825.50
2.8	Excavation, Rock (Trench)	CY	20.00	\$43.00	\$860.00	\$184.00	\$3,680.00	\$190.00	\$3,800.00	\$200.00	\$4,000.00	\$50.89	\$1,017.80	\$220.00	\$4,400.00	\$100.00	\$2,000.00
2.9	Imported Backfill Material (Trench)	CY	20.00	\$15.00	\$300.00	\$13.00	\$260.00	\$5.00	\$100.00	\$10.00	\$200.00	\$0.00	\$0.00	\$14.00	\$280.00	\$9.00	\$180.00
2.10	Type I Bedding Material	TON	25.00	\$18.00	\$450.00	\$18.00	\$450.00	\$12.00	\$300.00	\$15.00	\$375.00	\$19.51	\$487.75	\$15.00	\$375.00	\$26.00	\$650.00
2.11	Type II Foundation Material	TON	25.00	\$21.00	\$525.00	\$21.00	\$525.00	\$14.00	\$350.00	\$15.00	\$375.00	\$20.94	\$523.50	\$13.00	\$325.00	\$28.00	\$700.00
2.12	Type III Foundation Material	TON	25.00	\$22.00	\$550.00	\$21.00	\$525.00	\$15.00	\$375.00	\$15.00	\$375.00	\$20.94	\$523.50	\$14.00	\$350.00	\$44.00	\$1,100.00
2.13	Controlled Low Strength Backfill Material (Trench)	CY	5.00	\$111.00	\$555.00	\$120.00	\$600.00	\$80.00	\$400.00	\$120.00	\$600.00	\$122.50	\$612.50	\$100.00	\$500.00	\$150.00	\$750.00
2.14	8" PVC Sewer Main (0' - 6')	LF	163.00	\$30.00	\$4,890.00	\$23.00	\$3,749.00	\$16.00	\$2,608.00	\$33.00	\$5,379.00	\$22.71	\$3,701.73	\$23.50	\$3,830.50	\$28.00	\$4,564.00
2.15	8" PVC Sewer Main (6' - 8')	LF	332.00	\$35.00	\$11,620.00	\$23.00	\$7,636.00	\$21.00	\$6,972.00	\$33.00	\$10,956.00	\$23.75	\$7,885.00	\$26.50	\$8,798.00	\$30.00	\$9,960.00
2.16	8" PVC Sewer Main (8' - 10')	LF	68.00	\$35.00	\$2,380.00	\$23.00	\$1,564.00	\$25.00	\$1,700.00	\$33.00	\$2,244.00	\$26.31	\$1,789.08	\$28.50	\$1,938.00	\$36.00	\$2,448.00
2.17	8" PVC Sewer Main (10' - 12')	LF	43.00	\$38.00	\$1,634.00	\$24.00	\$1,032.00	\$30.00	\$1,290.00	\$35.00	\$1,505.00	\$32.08	\$1,379.44	\$34.50	\$1,483.50	\$46.00	\$1,978.00
2.18	8" PVC Sewer Main (12' - 14')	LF	11.00	\$45.00	\$495.00	\$22.00	\$242.00	\$35.00	\$385.00	\$38.00	\$418.00	\$38.33	\$421.63	\$37.50	\$412.50	\$55.00	\$605.00
2.19	4" PVC Sewer Service Line	LF	165.00	\$37.00	\$6,105.00	\$20.00	\$3,300.00	\$50.00	\$8,250.00	\$35.00	\$5,775.00	\$35.61	\$5,875.65	\$35.50	\$5,857.50	\$36.00	\$5,940.00
2.20	Standard Manhole, 48"	EA	1.00	\$2,850.00	\$2,850.00	\$2,700.00	\$2,700.00	\$2,700.00	\$2,700.00	\$3,000.00	\$3,000.00	\$2,009.37	\$2,009.37	\$2,350.00	\$2,350.00	\$2,800.00	\$2,800.00
2.21	Termination Manhole, 48"	EA	1.00	\$2,856.00	\$2,856.00	\$2,600.00	\$2,600.00	\$2,650.00	\$2,650.00	\$2,500.00	\$2,500.00	\$1,890.57	\$1,890.57	\$2,100.00	\$2,100.00	\$2,800.00	\$2,800.00
2.22	Extra Manhole Depth, 48"	VF	7.80	\$215.00	\$1,677.00	\$135.00	\$1,053.00	\$200.00	\$1,560.00	\$250.00	\$1,950.00	\$180.50	\$1,407.90	\$250.00	\$1,950.00	\$250.00	\$1,950.00
2.23	Connect New Sewer Service	EA	6.00	\$421.00	\$2,526.00	\$150.00	\$900.00	\$600.00	\$3,600.00	\$325.00	\$1,950.00	\$326.58	\$1,959.48	\$350.00	\$2,100.00	\$400.00	\$2,400.00
2.24	Connect to Existing Manhole	EA	1.00	\$1,100.00	\$1,100.00	\$360.00	\$360.00	\$875.00	\$875.00	\$1,000.00	\$1,000.00	\$800.00	\$800.00	\$220.00	\$220.00	\$900.00	\$900.00
2.25	AC Patching, Class G Type I PG64-28	TON	288.00	\$140.00	\$40,320.00	\$123.00	\$35,424.00	\$109.00	\$31,392.00	\$115.65	\$33,307.20	\$118.80	\$34,214.40	\$104.00	\$29,952.00	\$110.00	\$31,680.00
2.26	Aggregate Base Course 3/4"	TON	345.00	\$21.00	\$7,245.00	\$18.00	\$6,210.00	\$21.00	\$7,245.00	\$19.00	\$6,555.00	\$19.27	\$6,648.15	\$28.00	\$9,660.00	\$20.00	\$6,900.00
2.27	Clearing and Grubbing	LS	1.00	\$500.00	\$500.00	\$1,050.00	\$1,050.00	\$230.00	\$230.00	\$2,000.00	\$2,000.00	\$200.00	\$200.00	\$800.00	\$800.00	\$500.00	\$500.00
2.28	Topsoil, Stockpile & Replace	CY	63.00	\$14.00	\$882.00	\$5.00	\$315.00	\$18.00	\$1,134.00	\$15.00	\$945.00	\$40.00	\$2,520.00	\$42.00	\$2,646.00	\$9.75	\$614.25
2.29	Hauling & Placing Co-Compost	TON	6.00	\$50.00	\$300.00	\$47.00	\$282.00	\$85.00	\$510.00	\$25.00	\$150.00	\$75.00	\$450.00	\$33.00	\$198.00	\$21.00	\$126.00
2.30	Seeding, Road Ditch Mix	SY	156.00	\$1.00	\$156.00	\$1.70	\$265.20	\$2.00	\$312.00	\$1.75	\$273.00	\$4.15	\$647.40	\$2.00	\$312.00	\$2.50	\$390.00
2.31	Sodding	SY	221.00	\$15.00	\$3,315.00	\$6.00	\$1,326.00	\$7.00	\$1,547.00	\$6.25	\$1,381.25	\$8.44	\$1,865.24	\$7.25	\$1,602.25	\$8.00	\$1,768.00

ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	ENGINEER'S ESTIMATE		R.C.S. CONSTRUCTION, INC.		MAINLINE CONTRACTING, INC.		HIGHMARK, INC.		RAPID CONSTRUCTON COMPANY, LLC		HILLS MATERIALS COMPANY		SITE WORK SPECIALISTS, INC.	
				UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST	UNIT COST	EXTENDED COST
2.32	Erosion Control and Water Pollution Control	LS	1.00	\$500.00	\$500.00	\$1,460.00	\$1,460.00	\$250.00	\$250.00	\$1,000.00	\$1,000.00	\$300.00	\$300.00	\$550.00	\$550.00	\$2,200.00	\$2,200.00
2.33	Erosion Control, Inlet Protection	EA	1.00	\$140.00	\$140.00	\$330.00	\$330.00	\$110.00	\$110.00	\$250.00	\$250.00	\$120.00	\$120.00	\$112.00	\$112.00	\$170.00	\$170.00
2.34	Erosion Control, Perimeter Control	LF	71.00	\$4.00	\$284.00	\$1.44	\$102.24	\$4.00	\$284.00	\$5.00	\$355.00	\$4.00	\$284.00	\$4.50	\$319.50	\$4.50	\$319.50
TOTAL ALTERNATE NO. 2					\$120,333.00		\$92,084.96		\$89,041.50		\$101,491.95		\$108,590.63		\$111,983.70		\$110,406.25
ALTERNATE NO. 3																	
3.1	Mobilization	LS	1.00	\$7,000.00	\$7,000.00	\$4,500.00	\$4,500.00	\$1,600.00	\$1,600.00	\$5,000.00	\$5,000.00	\$17,195.00	\$17,195.00	\$6,500.00	\$6,500.00	\$2,000.00	\$2,000.00
3.2	Construction Staking	LS	1.00	\$500.00	\$500.00	\$633.00	\$633.00	\$200.00	\$200.00	\$700.00	\$700.00	\$613.32	\$613.32	\$650.00	\$650.00	\$2,000.00	\$2,000.00
3.3	AASHTO T-180 Soil Test	EA	2.00	\$214.00	\$428.00	\$142.00	\$284.00	\$165.00	\$330.00	\$150.00	\$300.00	\$137.50	\$275.00	\$165.00	\$330.00	\$250.00	\$500.00
3.4	Traffic Control	LS	1.00	\$1,000.00	\$1,000.00	\$284.00	\$284.00	\$280.00	\$280.00	\$500.00	\$500.00	\$950.00	\$950.00	\$275.00	\$275.00	\$3,200.00	\$3,200.00
3.5	Incidental	LS	1.00	\$3,500.00	\$3,500.00	\$400.00	\$400.00	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00	\$485.00	\$485.00	\$6,500.00	\$6,500.00	\$1,000.00	\$1,000.00
3.6	Sawing, Asphalt Pavement	LF	289.00	\$3.00	\$867.00	\$0.96	\$277.44	\$1.75	\$505.75	\$1.75	\$505.75	\$3.50	\$1,011.50	\$1.65	\$476.85	\$4.00	\$1,156.00
3.7	Remove AC Pavement	SY	396.00	\$6.00	\$2,376.00	\$2.60	\$1,029.60	\$3.50	\$1,386.00	\$2.50	\$990.00	\$7.27	\$2,878.92	\$2.45	\$970.20	\$9.75	\$3,861.00
3.8	Excavation, Rock (Trench)	CY	115.00	\$43.00	\$4,945.00	\$184.00	\$21,160.00	\$190.00	\$21,850.00	\$200.00	\$23,000.00	\$50.89	\$5,852.35	\$220.00	\$25,300.00	\$100.00	\$11,500.00
3.9	Imported Backfill Material (Trench)	CY	115.00	\$15.00	\$1,725.00	\$13.00	\$1,495.00	\$5.00	\$575.00	\$10.00	\$1,150.00	\$0.00	\$0.00	\$14.00	\$1,610.00	\$9.00	\$1,035.00
3.10	Type I Bedding Material	TON	10.00	\$18.00	\$180.00	\$18.00	\$180.00	\$12.00	\$120.00	\$15.00	\$150.00	\$19.51	\$195.10	\$15.00	\$150.00	\$26.00	\$260.00
3.11	Type II Foundation Material	TON	10.00	\$21.00	\$210.00	\$21.00	\$210.00	\$14.00	\$140.00	\$15.00	\$150.00	\$20.94	\$209.40	\$13.00	\$130.00	\$28.00	\$280.00
3.12	Type III Foundation Material	TON	10.00	\$22.00	\$220.00	\$21.00	\$210.00	\$15.00	\$150.00	\$15.00	\$150.00	\$20.94	\$209.40	\$14.00	\$140.00	\$44.00	\$440.00
3.13	Controlled Low Strength Backfill Material (Trench)	CY	5.00	\$111.00	\$555.00	\$120.00	\$600.00	\$80.00	\$400.00	\$120.00	\$600.00	\$122.50	\$612.50	\$100.00	\$500.00	\$150.00	\$750.00
3.14	8" PVC Sewer Main (12' - 14')	LF	103.00	\$38.00	\$3,914.00	\$23.00	\$2,369.00	\$35.00	\$3,605.00	\$38.00	\$3,914.00	\$38.33	\$3,947.99	\$37.00	\$3,811.00	\$51.00	\$5,253.00
3.15	8" PVC Sewer Main (14' - 16')	LF	145.00	\$45.00	\$6,525.00	\$25.00	\$3,625.00	\$40.00	\$5,800.00	\$42.00	\$6,090.00	\$57.08	\$8,276.60	\$40.00	\$5,800.00	\$58.00	\$8,410.00
3.16	4" PVC Sewer Service Line	LF	81.00	\$37.00	\$2,997.00	\$20.00	\$1,620.00	\$50.00	\$4,050.00	\$35.00	\$2,835.00	\$35.61	\$2,884.41	\$34.00	\$2,754.00	\$36.00	\$2,916.00
3.17	Termination Manhole, 48"	EA	1.00	\$2,856.00	\$2,856.00	\$2,600.00	\$2,600.00	\$2,650.00	\$2,650.00	\$2,500.00	\$2,500.00	\$1,890.57	\$1,890.57	\$2,250.00	\$2,250.00	\$2,800.00	\$2,800.00
3.18	Extra Manhole Depth, 48"	VF	7.90	\$215.00	\$1,698.50	\$134.00	\$1,058.60	\$200.00	\$1,580.00	\$250.00	\$1,975.00	\$180.50	\$1,425.95	\$265.00	\$2,093.50	\$250.00	\$1,975.00
3.19	Connect New Sewer Service	EA	3.00	\$421.00	\$1,263.00	\$230.00	\$690.00	\$600.00	\$1,800.00	\$325.00	\$975.00	\$333.81	\$1,001.43	\$350.00	\$1,050.00	\$400.00	\$1,200.00
3.20	Connect to Existing Manhole	EA	1.00	\$1,100.00	\$1,100.00	\$400.00	\$400.00	\$875.00	\$875.00	\$1,000.00	\$1,000.00	\$356.11	\$356.11	\$220.00	\$220.00	\$900.00	\$900.00
3.21	AC Patching, Class G Type I PG64-28	TON	123.00	\$140.00	\$17,220.00	\$123.00	\$15,129.00	\$109.00	\$13,407.00	\$115.65	\$14,224.95	\$118.80	\$14,612.40	\$104.00	\$12,792.00	\$110.00	\$13,530.00
3.22	Aggregate Base Course 3/4"	TON	147.00	\$21.00	\$3,087.00	\$18.00	\$2,646.00	\$21.00	\$3,087.00	\$19.00	\$2,793.00	\$19.27	\$2,832.69	\$28.00	\$4,116.00	\$20.00	\$2,940.00
3.23	Remove PCC Driveway Pavement	SY	79.00	\$9.00	\$711.00	\$2.60	\$205.40	\$7.00	\$553.00	\$10.00	\$790.00	\$8.86	\$699.94	\$10.00	\$790.00	\$12.00	\$948.00
3.24	PCC Driveway Pavement, 6" Nonreinforced	SY	79.00	\$60.00	\$4,740.00	\$61.00	\$4,819.00	\$46.00	\$3,634.00	\$55.00	\$4,345.00	\$46.20	\$3,649.80	\$53.00	\$4,187.00	\$125.00	\$9,875.00
3.25	Clearing and Grubbing	LS	1.00	\$500.00	\$500.00	\$1,050.00	\$1,050.00	\$230.00	\$230.00	\$2,000.00	\$2,000.00	\$100.00	\$100.00	\$750.00	\$750.00	\$500.00	\$500.00
3.26	Topsoil, Stockpile & Replace	CY	21.00	\$14.00	\$294.00	\$5.50	\$115.50	\$18.00	\$378.00	\$15.00	\$315.00	\$40.00	\$840.00	\$53.00	\$1,113.00	\$9.75	\$204.75

Cliff Drive Sanitary Sewer Extension

Existing Sanitary Sewer

Existing Sanitary Sewer

Base Sanitary Sewer

Alternate Two

Alternate Three

Alternate One



CLIFF DR. 4560-4730

FARVIEW DR. 4105-4280

FAIRHAVEN DR. 3350-3351

CLIFF DR. 4744-4769

