

APPENDIX G

Bid Tabulations

Chatham Contract No. 2010 CWMP 4 – Collection System Installation

Chatham Contract No. 2010 CWMP 2 – Collection System Pumping Stations

Chatham Contract No. 2010 CWMP 1 – Chatham WPCF Phase 1 Improvements

Chatham Contract No. 2010 CWMP 1 – Chatham WPCF Phase 1 Improvements (Sub-bids)

Chatham Contract No. 2010 CWMP 3 – Collection System Installation

Chelmsford, MA Contract 09-1 – Moore Street/Ledge Road Areas Lateral Sewers

Chelmsford, MA Contract 08-1 – Park Road/Cambridge Street Areas Lateral Sewers

Scituate, MA Contract 10-SS-22 – Musquashcut Pond Sewers

Essex, MA – Contract 4 – Essex Sewer Project

CANVASS OF BIDS
BIDS OPENED:

11/25/2009

CONTRACT NO.

2010 CWMP 4

Collection System Installation - George Ryder Rd/Barn Hill Rd/Vineyard Ave



Item No.	Units	Est. Qty.	Bid Item Description	RBO		Revell Construction		CJP & Sons Construction		RVJ Construction		Albanese D&S		CC Construction		Albanese Bros.		JA Pellic & Sons	
				Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total
1	Lump Sum	1	Mobilization, Demobilization, and Miscellaneous	\$170,000.00	\$170,000.00	\$92,000.00	\$92,000.00	\$75,000.00	\$75,000.00	\$105,000.00	\$105,000.00	\$100,000.00	\$100,000.00	\$125,000.00	\$125,000.00	\$104,000.00	\$104,000.00	\$120,000.00	\$120,000.00
2A	Linear Foot	6365	8" Gravity Sewer less than 12' deep	\$54.40	\$346,256.00	\$94.00	\$598,310.00	\$52.00	\$330,860.00	\$60.00	\$381,900.00	\$74.00	\$471,010.00	\$64.00	\$407,360.00	\$50.00	\$318,250.00	\$76.00	\$483,740.00
2B	Linear Foot	350	12" Gravity Sewer less than 12' deep	\$55.60	\$19,460.00	\$98.00	\$33,800.00	\$60.00	\$21,000.00	\$60.00	\$21,000.00	\$66.00	\$23,100.00	\$74.00	\$25,900.00	\$75.00	\$26,250.00	\$76.00	\$26,600.00
2C	Linear Foot	50	15" Gravity Sewer less than 12' deep	\$62.62	\$3,131.00	\$0.01	\$0.50	\$0.01	\$0.50	\$125.00	\$6,250.00	\$0.01	\$0.50	\$90.00	\$4,500.00	\$100.00	\$5,000.00	\$100.00	\$5,000.00
2D	Linear Foot	1900	8" Gravity Sewer greater than 12' deep	\$62.00	\$117,800.00	\$94.00	\$178,600.00	\$90.00	\$171,000.00	\$85.00	\$161,500.00	\$99.00	\$188,100.00	\$74.00	\$140,600.00	\$150.00	\$285,000.00	\$200.00	\$380,000.00
2E	Linear Foot	270	12" Gravity Sewer greater than 12' deep	\$64.96	\$17,539.20	\$98.00	\$25,920.00	\$200.00	\$54,000.00	\$135.00	\$36,450.00	\$200.00	\$54,000.00	\$90.00	\$24,300.00	\$175.00	\$47,250.00	\$200.00	\$54,000.00
2F	Linear Foot	200	15" Gravity Sewer greater than 12' deep	\$67.60	\$13,520.00	\$0.01	\$2.00	\$100.00	\$20,000.00	\$135.00	\$27,000.00	\$0.01	\$2.00	\$99.00	\$19,800.00	\$200.00	\$40,000.00	\$200.00	\$40,000.00
2G	Linear Foot	1000	8" DIP Gravity Sewer	\$62.40	\$62,400.00	\$106.00	\$106,000.00	\$85.00	\$85,000.00	\$80.00	\$80,000.00	\$70.00	\$70,000.00	\$74.00	\$74,000.00	\$80.00	\$80,000.00	\$40.00	\$40,000.00
3A	Linear Foot	1270	1.5" Low Pressure Sewer	\$15.60	\$19,812.00	\$35.00	\$44,450.00	\$32.00	\$40,640.00	\$25.00	\$31,750.00	\$36.50	\$46,355.00	\$17.00	\$21,590.00	\$40.00	\$50,800.00	\$40.00	\$50,800.00
3B	Linear Foot	1900	2" Low Pressure Sewer	\$15.90	\$30,210.00	\$35.00	\$66,500.00	\$34.00	\$64,600.00	\$25.00	\$47,500.00	\$38.00	\$72,200.00	\$18.00	\$34,200.00	\$40.00	\$76,000.00	\$40.00	\$76,000.00
3C	Linear Foot	1250	3" Low Pressure Sewer	\$17.70	\$22,125.00	\$35.00	\$43,750.00	\$36.00	\$45,000.00	\$25.00	\$31,250.00	\$40.00	\$50,000.00	\$19.00	\$23,750.00	\$40.00	\$50,000.00	\$40.00	\$50,000.00
4A	Linear Foot	2600	4" Force Main	\$19.00	\$49,400.00	\$35.00	\$91,000.00	\$38.00	\$98,800.00	\$40.00	\$104,000.00	\$45.00	\$117,000.00	\$27.00	\$70,200.00	\$40.00	\$104,000.00	\$40.00	\$104,000.00
4B	Linear Foot	2300	8" Force Main	\$21.40	\$49,220.00	\$40.00	\$92,000.00	\$44.00	\$101,200.00	\$40.00	\$92,000.00	\$50.00	\$115,000.00	\$37.00	\$85,100.00	\$44.00	\$101,200.00	\$40.00	\$82,000.00
5A	Each	40	Low Pressure Laterals	\$800.00	\$32,000.00	\$150.00	\$6,000.00	\$1,100.00	\$44,000.00	\$1,000.00	\$40,000.00	\$1,250.00	\$50,000.00	\$1,250.00	\$50,000.00	\$1,500.00	\$60,000.00	\$1,000.00	\$40,000.00
5B	Each	94	Gravity Laterals	\$1,200.00	\$112,800.00	\$250.00	\$23,500.00	\$1,100.00	\$103,400.00	\$1,500.00	\$141,000.00	\$1,220.00	\$114,600.00	\$1,950.00	\$183,300.00	\$1,800.00	\$169,200.00	\$1,500.00	\$141,000.00
5C	Each	50	Chimney Connections for Gravity Laterals	\$2,000.00	\$100,000.00	\$250.00	\$12,500.00	\$0.01	\$0.50	\$450.00	\$22,500.00	\$0.01	\$0.50	\$2,150.00	\$107,500.00	\$2,000.00	\$100,000.00	\$2,000.00	\$100,000.00
5D	Each	9	DIP Gravity Laterals	\$2,000.00	\$18,000.00	\$3,500.00	\$31,500.00	\$1,500.00	\$13,500.00	\$2,500.00	\$22,500.00	\$2,000.00	\$18,000.00	\$2,350.00	\$21,150.00	\$2,500.00	\$22,500.00	\$1,500.00	\$13,500.00
6	Each	4	LPS End Flushing Assemblies	\$1,200.00	\$4,800.00	\$4,500.00	\$18,000.00	\$600.00	\$2,400.00	\$1,500.00	\$6,000.00	\$1,300.00	\$5,200.00	\$2,500.00	\$10,000.00	\$4,000.00	\$16,000.00	\$2,000.00	\$8,000.00
7	Each	11	Low Pressure Sewer Valves	\$500.00	\$5,500.00	\$500.00	\$5,500.00	\$800.00	\$8,800.00	\$600.00	\$6,600.00	\$750.00	\$8,250.00	\$950.00	\$10,450.00	\$1,000.00	\$11,000.00	\$1,000.00	\$11,000.00
8	Vertical Foot	660	Gravity Sewer Manholes	\$250.00	\$165,000.00	\$95.00	\$62,700.00	\$290.00	\$191,400.00	\$240.00	\$158,400.00	\$375.00	\$247,500.00	\$390.00	\$257,400.00	\$300.00	\$198,000.00	\$270.00	\$178,200.00
9A	Each	1	Automatic Air Relief Valves and Manholes	\$4,000.00	\$4,000.00	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00	\$11,380.00	\$11,380.00	\$7,800.00	\$7,800.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00
9B	Each	3	Manual Air Relief Valves and Manholes	\$3,000.00	\$9,000.00	\$2,500.00	\$7,500.00	\$4,000.00	\$12,000.00	\$1,250.00	\$3,750.00	\$4,500.00	\$13,500.00	\$4,950.00	\$14,850.00	\$4,000.00	\$12,000.00	\$3,500.00	\$10,500.00
10	Cubic Yard	150	Mass Concrete	\$90.00	\$13,500.00	\$0.01	\$1.50	\$0.01	\$1.50	\$0.01	\$1.50	\$0.01	\$1.50	\$0.01	\$1.50	\$0.01	\$1.50	\$1.50	\$22,500.00
11	Cubic Yard	100	Controlled Density Fill	\$0.01	\$1.00	\$0.01	\$1.00	\$80.00	\$8,000.00	\$75.00	\$7,500.00	\$0.01	\$1.00	\$100.00	\$10,000.00	\$100.00	\$10,000.00	\$120.00	\$12,000.00
12	Cubic Yard	200	Type D-2 Material	\$0.01	\$2.00	\$0.01	\$2.00	\$2.00	\$2,000.00	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$15.00	\$3,000.00	\$0.01	\$2.00
13	Cubic Yards	200	Type D-3 Material	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$15.00	\$3,000.00	\$0.01	\$2.00
14	Cubic Yard	500	Type E-1 Borrow Material	\$0.01	\$5.00	\$0.01	\$5.00	\$0.01	\$5.00	\$0.01	\$5.00	\$0.01	\$5.00	\$0.01	\$5.00	\$0.01	\$5.00	\$0.01	\$5.00
15	Cubic Yards	5000	Gravel Subbase	\$14.50	\$72,500.00	\$0.01	\$50.00	\$12.00	\$60,000.00	\$0.01	\$50.00	\$0.01	\$50.00	\$43.90	\$219,500.00	\$20.00	\$100,000.00	\$0.01	\$50.00
16A	Square Yards	8000	Town/Private Roads Temporary Paving	\$21.57	\$172,560.00	\$10.00	\$80,000.00	\$10.00	\$80,000.00	\$25.00	\$200,000.00	\$15.00	\$120,000.00	\$17.00	\$136,000.00	\$12.00	\$96,000.00	\$22.00	\$176,000.00
16B	Square Yards	2700	Town/Private Road Final Paving	\$23.75	\$64,125.00	\$29.00	\$78,300.00	\$14.50	\$39,150.00	\$50.00	\$135,000.00	\$25.00	\$67,500.00	\$27.00	\$72,900.00	\$22.00	\$59,400.00	\$25.00	\$67,500.00
17	Square Yards	18000	Town Road Paving Mill/Overlay	\$8.40	\$151,200.00	\$11.00	\$198,000.00	\$9.55	\$171,900.00	\$10.00	\$180,000.00	\$11.00	\$198,000.00	\$13.00	\$234,000.00	\$9.00	\$162,000.00	\$12.75	\$229,500.00
18	Square Yards	750	Driveway Aprons	\$26.00	\$19,500.00	\$20.00	\$15,000.00	\$20.00	\$15,000.00	\$28.00	\$21,000.00	\$30.00	\$22,500.00	\$29.00	\$21,750.00	\$40.00	\$30,000.00	\$35.00	\$26,250.00
19	Pounds	1000	Calcium Chloride	\$0.01	\$10.00	\$0.01	\$10.00	\$2.00	\$2,000.00	\$0.50	\$500.00	\$0.01	\$10.00	\$0.01	\$10.00	\$0.01	\$10.00	\$0.40	\$400.00
20A	Linear Feet	10000	CCTV Inspection of Gravity Sewers	\$1.00	\$10,000.00	\$2.00	\$20,000.00	\$0.90	\$9,000.00	\$2.50	\$25,000.00	\$3.00	\$30,000.00	\$0.01	\$100.00	\$2.00	\$20,000.00	\$1.00	\$10,000.00
20B	Linear Feet	5000	Force Main Testing	\$0.20	\$1,000.00	\$7.00	\$35,000.00	\$0.50	\$2,500.00	\$1.80	\$9,000.00	\$2.00	\$10,000.00	\$2.00	\$10,000.00	\$2.00	\$10,000.00	\$1.00	\$5,000.00
21	Stipulated Price	1	Record Drawings	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	
22	Cubic Yards	200	Excavations Below Subgrade, Test Pits and Exploratory	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$50.00	\$10,000.00	\$15.00	\$3,000.00
23A	Linear Foot	200	Granite Curbing	\$0.01	\$2.00	\$0.01	\$2.00	\$0.01	\$2.00	\$38.00	\$7,600.00	\$0.01	\$2.00	\$50.00	\$10,000.00	\$50.00	\$10,000.00	\$15.00	\$3,000.00
23B	Linear Foot	700	Cape Cod Berm	\$4.00	\$2,800.00	\$0.01	\$7.00	\$5.00	\$3,500.00	\$4.00	\$2,800.00	\$7.00	\$4,900.00	\$5.00	\$3,500.00	\$10.00	\$7,000.00	\$10.00	\$7,000.00
24	Lump Sum	1	Pro- and Post-Construction Videotapes	\$5,000.00	\$5,000.00	\$0.01	\$0.01	\$2,500.00	\$2,500.00	\$15,000.00	\$15,000.00	\$13,000.00	\$13,000.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
25	Lump Sum	1	Site Restoration	\$25,000.00	\$25,000.00	\$0.01	\$0.01	\$110,000.00	\$110,000.00	\$40,000.00	\$40,000.00	\$27,500.00	\$27,500.00	\$0.01	\$0.01	\$25,000.00	\$25,000.00	\$75,000.00	\$75,000.00
26	Lump Sum	1	Erosion and Sediment Control	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$4,500.00	\$4,500.00	\$15,000.00	\$15,000.00	\$12,500.00	\$12,500.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$25,000.00	\$25,000.00
27A	Lump Sum	1	Pipeline Connection at Pumping Station 43	\$0.01	\$0.01	\$1.00	\$1.00	\$1,000.00	\$1,000.00	\$6,500.00	\$6,500.00	\$5,500.00	\$5,500.00	\$1,750.00	\$1,750.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
27B	Lump Sum	1	Pipeline Connection at Pumping Station 44	\$0.01	\$0.01	\$1.00	\$1.00	\$1,000.00	\$1,000.00	\$6,500.00	\$6,500.00	\$5,500.00	\$5,500.00	\$1,750.00	\$1,750.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
27C	Lump Sum	1	Pipeline Connection at Pumping Station 50	\$0.01	\$0.01	\$1.00	\$1.00	\$2,500.00	\$2,500.00	\$6,500.00	\$6,500.00	\$5,500.00	\$5,500.00	\$1,750.00	\$1,750.00	\$10,000.00	\$10,000.00	\$75,000.00	\$75,000.00
27D	Lump Sum	1	Pipeline Connection at Barn Hill Road and Route 28	\$0.01	\$0.01	\$1.00	\$1.00	\$1,000.00	\$1,000.00	\$6,500.00	\$6,500.00	\$5,500.00	\$5,500.00	\$1,750.00	\$1,750.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
27E	Lump Sum	1	Pipeline Connection at George Ryder Road and Route 28	\$0.01	\$0.01	\$1.00	\$1.00	\$1,000.00	\$1,000.00	\$6,500.00	\$6,500.00	\$5,500.00	\$5,500.00	\$1,750.00	\$1,750.00	\$			

CANVASS OF BIDS
BIDS OPENED:

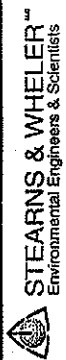
11/25/2009

CONTRACT NO. 2010 CWMP 2
Collection System Pumping Stations



Item No.	Unit	Quantity	Item Description	MPCO Environmental 119 Washington Street Weymouth, MA 02189		RBO 71 Great Western Road, P.O. Box 1538 North Attleboro, MA 02763		Albano Bros. 95 South Hill Road, P.O. Box 5188 Braintree, MA 01905-0011		Phibaro Construction 155 East Grove Street, P.O. Box 1259 Middleboro, MA 02746		Albano D&S 65 Silva Lane, Dineen, MA 01826		P. Grossi & Son 50 Sprague Street, Hyde Park MA 02136	
				Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total
1	Cubic Yard	150	Controlled Density Fill (CDF)	\$75.00	\$11,250.00	\$68.00	\$10,200.00	\$150.00	\$22,500.00	\$90.00	\$13,500.00	\$100.00	\$15,000.00	\$0.01	\$1.50
2	Each	4	Sanitary Sewer Manholes	\$2,500.00	\$10,000.00	\$2,500.00	\$10,000.00	\$5,000.00	\$20,000.00	\$7,000.00	\$28,000.00	\$5,250.00	\$21,000.00	\$3,000.00	\$12,000.00
3	Lump Sum	1	Mobilization, Demobilization, and Miscellaneous	\$5,000.00	\$5,000.00	\$145,000.00	\$145,000.00	\$100,000.00	\$100,000.00	\$56,000.00	\$56,000.00	\$150,000.00	\$150,000.00	\$175,000.00	\$175,000.00
4A	Lump Sum	1	Lime Hill Pumping Station 37	\$290,000.00	\$290,000.00	\$265,800.00	\$265,800.00	\$250,000.00	\$250,000.00	\$382,300.00	\$382,300.00	\$407,825.00	\$407,825.00	\$550,000.00	\$550,000.00
4B	Lump Sum	1	Lime Hill Pumping Station 37 Equipment	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00	\$103,911.00
5A	Lump Sum	1	Meadow View Pumping Station 43	\$288,000.00	\$288,000.00	\$219,900.00	\$219,900.00	\$200,000.00	\$200,000.00	\$304,700.00	\$304,700.00	\$345,100.00	\$345,100.00	\$490,000.00	\$490,000.00
5B	Lump Sum	1	Meadow View Pumping Station 43 Equipment	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00	\$112,587.00
6A	Lump Sum	1	Barn Hill Pumping Station 44	\$330,000.00	\$330,000.00	\$405,000.00	\$405,000.00	\$350,000.00	\$350,000.00	\$485,800.00	\$485,800.00	\$528,225.00	\$528,225.00	\$700,000.00	\$700,000.00
6B	Lump Sum	1	Barn Hill Pumping Station 44 Equipment	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00	\$116,440.00
7A	Lump Sum	1	George Ryder Pumping Station 50	\$330,000.00	\$330,000.00	\$247,100.00	\$247,100.00	\$200,000.00	\$200,000.00	\$352,500.00	\$352,500.00	\$340,000.00	\$340,000.00	\$440,000.00	\$440,000.00
7B	Lump Sum	1	George Ryder Pumping Station 50 Equipment	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00	\$99,873.00
8A	Lump Sum	1	Huckleberry Pumping Station 51	\$350,000.00	\$350,000.00	\$508,000.00	\$508,000.00	\$350,000.00	\$350,000.00	\$580,000.00	\$580,000.00	\$635,000.00	\$635,000.00	\$700,000.00	\$700,000.00
8B	Lump Sum	1	Huckleberry Pumping Station 51 Equipment	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00	\$113,286.00
9	Lump Sum	1	Pipeline Connection at Lime Hill Pumping Station 37	\$100.00	\$100.00	\$0.01	\$0.01	\$20,000.00	\$20,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
10	Lump Sum	1	Pipeline Connection at Meadow View Pumping Station 43	\$100.00	\$100.00	\$0.01	\$0.01	\$20,000.00	\$20,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$500.00	\$500.00
10A	Lump Sum	1	Pipeline Connections at Horseshoe Lane Grinder Pump Station	\$100.00	\$100.00	\$0.01	\$0.01	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
11	Lump Sum	1	Pipeline Connection at Barn Hill Pumping Station 44	\$100.00	\$100.00	\$0.01	\$0.01	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
12	Lump Sum	1	Pipeline Connection at George Ryder Pumping Station 50	\$100.00	\$100.00	\$0.01	\$0.01	\$20,000.00	\$20,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
13A	Lump Sum	1	Pipeline Connection at Huckleberry Pumping Station 51 and Route 28	\$100.00	\$100.00	\$0.01	\$0.01	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
13B	Lump Sum	1	Waterline Connection at Huckleberry Pumping Station 51 and WPCF Road	\$1,300.00	\$1,300.00	\$0.01	\$0.01	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00
13C	Lump Sum	1	Pipeline Connections at Huckleberry Pumping Station 51 and WPCF Road	\$228.00	\$228.00	\$0.01	\$0.01	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00	\$25,000.00	\$25,000.00
14	Lump Sum	1	Erosion and Sediment Control	\$3,000.00	\$3,000.00	\$8,250.00	\$8,250.00	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$25,000.00	\$25,000.00
15	Lump Sum	1	Site Restoration	\$50,000.00	\$50,000.00	\$10,000.00	\$10,000.00	\$50,000.00	\$50,000.00	\$40,000.00	\$40,000.00	\$10,000.00	\$10,000.00	\$100,000.00	\$100,000.00
16	Lump Sum	1	Record Drawings	\$10,000.00	\$10,000.00	\$1,000.00	\$1,000.00	\$10,000.00	\$10,000.00	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00
17	Lump Sum	1	Construction Photos and Videos	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$24,000.00	\$24,000.00	\$30,000.00	\$30,000.00	\$5,000.00	\$5,000.00
18	Cubic Yards	150	Type E-1 Borrow Material	\$28.00	\$4,200.00	\$0.01	\$1.50	\$0.01	\$1.50	\$1.00	\$150.00	\$0.01	\$1.50	\$0.01	\$1.50
19A	Cubic Yards	150	Type D-2 Stone	\$35.00	\$5,250.00	\$0.01	\$1.50	\$30.00	\$4,500.00	\$1.00	\$150.00	\$0.01	\$1.50	\$0.01	\$1.50
19B	Cubic Yards	150	Type D-3 Stone	\$35.00	\$5,250.00	\$0.01	\$1.50	\$30.00	\$4,500.00	\$1.00	\$150.00	\$0.01	\$1.50	\$0.01	\$1.50
20	LF	280	8" DIP Water Main	\$15.00	\$4,200.00	\$49.00	\$13,720.00	\$105.00	\$29,400.00	\$90.00	\$25,200.00	\$70.00	\$19,600.00	\$100.00	\$28,000.00
21	Each	5	Gate Valves for water lines/force mains	\$1,300.00	\$6,500.00	\$1,050.00	\$5,250.00	\$5,000.00	\$25,000.00	\$1,400.00	\$7,000.00	\$1,950.00	\$9,750.00	\$100.00	\$500.00
21A	Each	2	Gas Valves	\$35.00	\$70.00	\$500.00	\$1,000.00	\$3,750.00	\$7,500.00	\$800.00	\$1,600.00	\$3,250.00	\$6,500.00	\$100.00	\$200.00
22A	LF	190	8" PVC Sewer Line	\$45.00	\$8,550.00	\$58.00	\$11,020.00	\$100.00	\$19,000.00	\$70.00	\$13,300.00	\$75.00	\$14,250.00	\$125.00	\$23,750.00
22B	LF	205	15" PVC Sewer Line	\$55.00	\$11,275.00	\$49.00	\$10,045.00	\$200.00	\$41,000.00	\$80.00	\$16,400.00	\$70.00	\$14,350.00	\$150.00	\$30,750.00
24	LS	1	Horseshoe Lane Grinder Pump Station	\$730.00	\$730.00	\$25,000.00	\$25,000.00	\$100,000.00	\$100,000.00	\$35,600.00	\$35,600.00	\$35,000.00	\$35,000.00	\$25,000.00	\$25,000.00
Total				\$2,269,350.00	\$2,269,350.00	\$2,472,386.58	\$2,472,386.58	\$2,524,498.50	\$2,524,498.50	\$2,928,455.00	\$2,928,455.00	\$3,182,701.50	\$3,182,701.50	\$3,916,803.00	\$3,916,803.00

Note 1 - This price is corrected due to calculation errors in BI 20, 22A, and 22B in the bid proposal.
Note 2 - This price is corrected due to calculation errors on BI 21A in the bid proposal.



STEARN'S & WHEELER
Environmental Engineers & Scientists

CANVASS OF BIDS
BIDS OPENED: 12/22/2009

CONTRACT NO. 2010 CWMP 1
Chatham WPCF Phase 1 Improvements

Item No.	Unit	Est. Qty	Bid Item Description	J. J. Marshall & Sons, Inc.		Walsh Construction Company		Cedim Contracting Company	
				Rate	Total	Rate	Total	Rate	Total
1	Lump Sum	1	WPCF Upgrade	\$19,699,705.00	\$19,699,705.00	\$21,038,000.00	\$21,038,000.00	\$22,006,355.00	\$22,006,355.00
4A	Stipulated Lump Sum	1	Section 11375	\$595,000.00	\$595,000.00	\$595,000.00	\$595,000.00	\$595,000.00	\$595,000.00
4B	Stipulated Lump Sum	1	Section 15100 2.18	\$25,883.00	\$25,883.00	\$25,883.00	\$25,883.00	\$25,883.00	\$25,883.00
5A	Square Foot	100	Concrete Surface Repair	\$60.00	\$6,000.00	\$100.00	\$10,000.00	\$100.00	\$10,000.00
5B	Linear Foot	150	Concrete Crack Repair	\$73.00	\$10,950.00	\$55.00	\$8,250.00	\$100.00	\$15,000.00
6	Linear Foot	1800	Asbestos Pipe Removal	\$46.00	\$82,800.00	\$30.00	\$54,000.00	\$50.00	\$90,000.00
7A	Lump Sum	1	Connect two 8" force mains	\$20,000.00	\$20,000.00	\$600.00	\$600.00	\$20,000.00	\$20,000.00
7B	Lump Sum	1	Connect one 8" force main	\$8,800.00	\$8,800.00	\$400.00	\$400.00	\$10,000.00	\$10,000.00
7C	Lump Sum	1	Connect one 8" water pipe	\$7,600.00	\$7,600.00	\$400.00	\$400.00	\$10,000.00	\$10,000.00
7D	Lump Sum	1	Connect one 4" gas pipe	\$500.00	\$500.00	\$200.00	\$200.00	\$5,000.00	\$5,000.00
Total Price Part I				\$20,457,238.00	\$20,457,238.00	\$21,732,633.00	\$21,732,633.00	\$22,787,238.00	\$22,787,238.00
Filed Sub-Bids									
2A	Lump Sum	1	Acoustical Tile	Central Ceilings	\$25,400.00	Central Ceilings	\$25,400.00	Central Ceilings	\$25,400.00
2B	Lump Sum	1	Electrical	Amnese Electrical	\$4,495,140.00	Amnese Electrical	\$4,495,140.00	Amnese Electrical	\$4,495,140.00
2C	Lump Sum	1	Fire Protection	Xcel Fire Protection	\$58,400.00	Xcel Fire Protection	\$58,400.00	Xcel Fire Protection	\$58,400.00
2D	Lump Sum	1	HVAC	DDS Industries	\$1,401,000.00	DDS Industries	\$1,401,000.00	DDS Industries	\$1,401,000.00
2E	Lump Sum	1	Masonry	Fernandes Masonry	\$1,278,000.00	Fernandes Masonry	\$1,278,000.00	Fernandes Masonry	\$1,278,000.00
2F	Lump Sum	1	Metal Windows	Cheviot Corporation	\$79,320.00	Cheviot Corporation	\$79,320.00	Cheviot Corporation	\$79,320.00
2G	Lump Sum	1	Misc. and Ornamental Iron	Heritage Iron Works	\$520,000.00	Heritage Iron Works	\$520,000.00	Heritage Iron Works	\$520,000.00
2H	Lump Sum	1	Painting	John W. Egan	\$634,700.00	John W. Egan	\$634,700.00	John W. Egan	\$634,700.00
2I	Lump Sum	1	Plumbing	Kneeland Plumbing	\$336,000.00	Kneeland Plumbing	\$336,000.00	Kneeland Plumbing	\$336,000.00
2J	Lump Sum	1	Resilient Floors	West Floor Covering	\$39,290.00	West Floor Covering	\$39,290.00	West Floor Covering	\$39,290.00
2K	Lump Sum	1	Roofing and Flashing	Belcour Corp.	\$183,400.00	Belcour Corp.	\$183,400.00	Belcour Corp.	\$183,400.00
2L	Lump Sum	1	Tile	West Floor Covering	\$40,252.00	West Floor Covering	\$40,252.00	West Floor Covering	\$40,252.00
2M	Lump Sum	1	Waterproofing	P.-J. Spillane	\$200,000.00	P.-J. Spillane	\$200,000.00	P.-J. Spillane	\$200,000.00

12/22/2009
CANVASS OF BIDS
BIDS OPENED:

2010 CWMP I
Chatham WPCF Phase I Improvements

CONTRACT NO.

Item No.	Units	Est. Qty	Bid Item Description	J. L. Marshall & Sons, Inc. 3 Clark St., Shelton, MA 02771	Walsh Construction Company 3 Commercial St., Sharon, MA 02067	Carlin Contracting Company 454 Belden Park Rd., Waterford, CT 06385	Rate	Total	Rate	Total	Rate	Total
3A	Each	500	Low Voltage Conductor Terminations	\$5.10	\$2,550.00	\$5.10	\$2,550.00	\$5.10	\$2,550.00	\$5.10	\$2,550.00	\$2,550.00
3B	Linear Foot	1500	3/4 inch Type A Conduit	\$6.70	\$10,050.00	\$6.70	\$10,050.00	\$6.70	\$10,050.00	\$6.70	\$10,050.00	\$10,050.00
3C	Linear Foot	500	2 inch Type B Conduit, in Trench	\$21.30	\$10,650.00	\$21.30	\$10,650.00	\$21.30	\$10,650.00	\$21.30	\$10,650.00	\$10,650.00
3D	Linear Foot	1000	2 inch Type C Conduit, in Trench	\$7.00	\$7,000.00	\$7.00	\$7,000.00	\$7.00	\$7,000.00	\$7.00	\$7,000.00	\$7,000.00
3E	Linear Foot	1200	3/4 inch Type E Conduit	\$8.60	\$10,320.00	\$8.60	\$10,320.00	\$8.60	\$10,320.00	\$8.60	\$10,320.00	\$10,320.00
3F	Linear Foot	5000	No. 12 AWG, Type THWN Conductor	\$0.40	\$2,000.00	\$0.40	\$2,000.00	\$0.40	\$2,000.00	\$0.40	\$2,000.00	\$2,000.00
3G	Linear Foot	15000	No. 14 AWG, Type THWN Conductor	\$0.33	\$4,950.00	\$0.33	\$4,950.00	\$0.33	\$4,950.00	\$0.33	\$4,950.00	\$4,950.00
3H	Linear Foot	3000	No. 16, Type THWN Conductor	\$0.28	\$840.00	\$0.28	\$840.00	\$0.28	\$840.00	\$0.28	\$840.00	\$840.00
3I	Linear Foot	1000	TC-2 #16 Shielded Instrumentation Cable	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1,000.00
3J	Linear Foot	2000	Cat. 5E Cable for Computer/telecommunication	\$0.75	\$1,500.00	\$0.75	\$1,500.00	\$0.75	\$1,500.00	\$0.75	\$1,500.00	\$1,500.00
Total Price Part II					\$9,341,762.00		\$9,341,762.00		\$9,341,762.00		\$9,341,762.00	\$9,477,762.00
Total Base Bid Price					\$28,799,000.00		\$31,074,385.00		\$32,265,000.00		\$32,265,000.00	\$32,265,000.00
Alternates												
DA-1	Lump Sum	1	General Contractor	(\$311,205.00)	(\$311,205.00)	(\$56,700.00)	(\$56,700.00)	(\$79,000.00)	(\$79,000.00)	(\$79,000.00)	(\$79,000.00)	(\$79,000.00)
DA-1	Lump Sum	1	Acoustical Tile	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DA-1	Lump Sum	1	Electrical	(\$8,000.00)	(\$8,000.00)	(\$8,000.00)	(\$8,000.00)	(\$8,000.00)	(\$8,000.00)	(\$8,000.00)	(\$8,000.00)	(\$8,000.00)
DA-1	Lump Sum	1	Fire Protection	(\$5,000.00)	(\$5,000.00)	(\$5,000.00)	(\$5,000.00)	(\$5,000.00)	(\$5,000.00)	(\$5,000.00)	(\$5,000.00)	(\$5,000.00)
DA-1	Lump Sum	1	HVAC	(\$8,800.00)	(\$8,800.00)	(\$8,800.00)	(\$8,800.00)	(\$7,800.00)	(\$7,800.00)	(\$7,800.00)	(\$7,800.00)	(\$7,800.00)
DA-1	Lump Sum	1	Masonry	(\$19,000.00)	(\$19,000.00)	(\$19,000.00)	(\$19,000.00)	(\$19,000.00)	(\$19,000.00)	(\$19,000.00)	(\$19,000.00)	(\$19,000.00)
DA-1	Lump Sum	1	Metal Windows	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DA-1	Lump Sum	1	Misc. and Ornamental Iron	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DA-1	Lump Sum	1	Painting	(\$2,200.00)	(\$2,200.00)	(\$2,200.00)	(\$2,200.00)	(\$2,200.00)	(\$2,200.00)	(\$2,200.00)	(\$2,200.00)	(\$2,200.00)
DA-1	Lump Sum	1	Plumbing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DA-1	Lump Sum	1	Resilient Floors	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DA-1	Lump Sum	1	Roofing and Flashing	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)
DA-1	Lump Sum	1	Tile	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DA-1	Lump Sum	1	Waterproofing	(\$500.00)	(\$500.00)	(\$500.00)	(\$500.00)	(\$500.00)	(\$500.00)	(\$500.00)	(\$500.00)	(\$500.00)
Total DA-1					(\$538,105.00)		(\$283,600.00)		(\$500.00)		(\$500.00)	(\$304,900.00)



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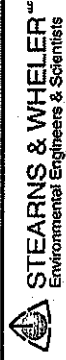
12/22/2009

2010 CWMP 1
Chatham WPCF Phase 1 Improvements

CANVASS OF BIDS
BIDS OPENED:

CONTRACT NO.

Item No.	Unit	Est. Or	Bid Item Description	J.L. Marshall & Sons Inc.	Wyvalski Construction Company	Carlin Contracting Company
				Rate	Rate	Rate
DA-2	Lump Sum	1	General Contractor	(\$502,335.00)	(\$51,600.00)	(\$127,000.00)
DA-2	Lump Sum	1	Acoustical Tile	\$0.00	\$0.00	\$0.00
DA-2	Lump Sum	1	Electrical	(\$48,000.00)	(\$48,000.00)	(\$48,000.00)
DA-2	Lump Sum	1	Fire Protection	\$0.00	\$0.00	(\$71,000.00)
DA-2	Lump Sum	1	HVAC	(\$19,200.00)	(\$19,200.00)	(\$19,200.00)
DA-2	Lump Sum	1	Masonry	(\$120,000.00)	(\$120,000.00)	(\$120,000.00)
DA-2	Lump Sum	1	Metal Windows	\$0.00	\$0.00	\$0.00
DA-2	Lump Sum	1	Misc. and Ornamental Iron	\$0.00	\$0.00	\$0.00
DA-2	Lump Sum	1	Painting	(\$4,500.00)	(\$4,500.00)	(\$4,500.00)
DA-2	Lump Sum	1	Plumbing	\$0.00	\$0.00	\$0.00
DA-2	Lump Sum	1	Resilient Floors	\$0.00	\$0.00	\$0.00
DA-2	Lump Sum	1	Roofing and Flashing	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)
DA-2	Lump Sum	1	Tile	\$0.00	\$0.00	\$0.00
DA-2	Lump Sum	1	Waterproofing	(\$12,500.00)	(\$12,500.00)	(\$12,500.00)
Total DA-2				(\$889,935.00)	(\$439,200.00)	(\$585,600.00)
AA-1	Lump Sum	1	General Contractor	\$915,000.00	\$650,000.00	\$681,000.00
AA-1	Lump Sum	1	Acoustical Tile	\$0.00	\$0.00	\$0.00
AA-1	Lump Sum	1	Electrical	\$92,000.00	\$92,000.00	\$92,000.00
AA-1	Lump Sum	1	Fire Protection	\$0.00	\$0.00	\$0.00
AA-1	Lump Sum	1	HVAC	\$66,500.00	\$66,500.00	\$121,000.00
AA-1	Lump Sum	1	Masonry	\$89,000.00	\$89,000.00	\$89,000.00
AA-1	Lump Sum	1	Metal Windows	\$0.00	\$0.00	\$0.00
AA-1	Lump Sum	1	Misc. and Ornamental Iron	\$19,000.00	\$19,000.00	\$19,000.00
AA-1	Lump Sum	1	Painting	\$25,000.00	\$25,000.00	\$25,000.00
AA-1	Lump Sum	1	Plumbing	\$20,000.00	\$20,000.00	\$20,000.00
AA-1	Lump Sum	1	Resilient Floors	\$0.00	\$0.00	\$0.00
AA-1	Lump Sum	1	Roofing and Flashing	\$0.00	\$0.00	\$0.00
AA-1	Lump Sum	1	Tile	\$0.00	\$0.00	\$0.00
AA-1	Lump Sum	1	Waterproofing	\$8,000.00	\$8,000.00	\$8,000.00
Total AA-1				\$1,234,500.00	\$669,500.00	\$1,055,000.00
AA-2	Lump Sum	1	General Contractor	\$66,000.00	\$100,000.00	\$108,000.00
AA-3	Lump Sum	1	General Contractor	\$97,000.00	\$150,000.00	\$124,000.00
Total Bid Price with DA-1 and 2				\$28,370,960.00	\$30,351,955.00	\$31,374,500.00



CANYASS OF BIDS
BIDS OPENED:

12/22/2009

CONTRACT NO.

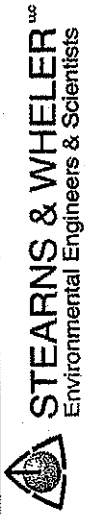
2010 CWMP 1
 Chatham WPCF Phase 1 Improvements

Item No.	Units	Est. Qty	Bid Item Description	Marshall & Sons Inc.	Walsh Construction Company	Carlin Contracting Company
				3 Clark St., Shelton, MA 02771	2 Commercial St., Sharon, MA 0206	454 Boston Post Rd., Waterford, CT 06186
				Rate	Rate	Rate
				Total	Total	Total
Total Bid Price with DA-1				\$29,760,895.00	\$30,790,795.00	\$31,960,100.00
Total Base Bid Price				\$29,799,000.00	\$31,074,895.00	\$32,269,000.00
Total Bid Price with AA-1				\$31,033,500.00	\$32,043,895.00	\$33,320,000.00
Total Bid Price with AA-1 and 2				\$31,099,500.00	\$32,143,895.00	\$33,428,000.00
Total Bid Price with AA-1, 2 and 3				\$31,196,500.00	\$32,239,895.00	\$33,552,000.00

CANVASS OF BIDS
FILED SUB-BIDS
OPENED:

12/11/2009

CONTRACT NO. 2010 CWMP 1



STEARNES & WHEELER
 Environmental Engineers & Scientists

Chatham WPCF Phase 1 Improvements

Contractor	Category	Base Bid	DA-1	DA-2	AA-1	Restricted
Central Ceilings, Inc.	Acoustical Tile	\$25,400.00	-	-	-	No
The Cheviot Corporation	Acoustical Tile	\$35,000.00	-	-	-	No
Xcel Fire Protection, Inc.	Fire Protection	\$58,400.00	(\$5,000.00)	-	-	No
Carlyle Engineering Inc.	Fire Protection	\$63,600.00	(\$1,400.00)	-	-	No
The Cogswell Sprinkler Co., Inc.	Fire Protection	\$77,000.00	(\$2,200.00)	-	-	No
Fernandes Masonry, Inc.	Masonry	\$1,278,000.00	(\$19,000.00)	(\$120,000.00)	\$89,000.00	No
D'Agostino Associates, Inc.	Masonry	\$1,333,000.00	(\$20,800.00)	(\$119,000.00)	\$97,700.00	No
Commerical Masonry Corp.	Masonry	\$1,470,000.00	(\$26,000.00)	(\$125,000.00)	\$93,000.00	No
Costa Brothers' Masonry Inc.	Masonry	\$1,571,000.00	(\$624,000.00)	(\$118,000.00)	\$117,000.00	No
Stronghold Masonry, Inc.	Masonry	\$1,630,000.00	(\$23,000.00)	(\$120,000.00)	\$107,500.00	No
The Cheviot Corporation	Metal Windows	\$79,320.00	-	-	-	No
Advantage Glass Company, Inc.	Metal Windows	\$93,500.00	-	-	-	No
Kapiloff's Glass Inc.	Metal Windows	\$96,000.00	-	-	-	No
Chandler Architectural Products, Inc.	Metal Windows	\$97,000.00	(\$1,400.00)	-	-	No
A & A Products, Inc.	Metal Windows	\$106,655.00	(\$1,000.00)	-	-	No
Modern Glass & Aluminum, Inc.	Metal Windows	\$123,400.00	(\$98,000.00)	-	-	No
Heritage Iron Works, Inc.	Misc. & Ornamental Iron	\$520,000.00	-	-	\$19,000.00	No
South Shore Welding, Inc.	Misc. & Ornamental Iron	\$565,800.00	-	-	\$19,800.00	Yes, may be used by any except C.J.M. Services
United Steel, Inc.	Misc. & Ornamental Iron	\$560,000.00	-	(\$94,900.00)	\$24,900.00	No



STEARN'S & WHEELER
Environmental Engineers & Scientists

CANVASS OF BIDS
FILED SUB-BIDS
OPENED:
CONTRACT NO. 2010 CWMP 1

12/11/2009

2010 CWMP 1

Chatham WPCF Phase 1 Improvements

Contractor	Category	Amount	Amount	Amount	Amount	Amount	Yes, may be used by any except TLT Contruction, Brait Builders, or Castagna Construction Co.
Capone Iron Corporation	Misc. & Ornamental Iron	\$576,199.00	-	-	-	\$31,813.00	No
Shepard Steel Co., Inc.	Misc. & Ornamental Iron	\$597,000.00	-	-	-	\$77,500.00	No
SMJ Metal Co., Inc.	Misc. & Ornamental Iron	\$598,000.00	(\$10,000.00)	(\$137,300.00)	(\$137,300.00)	\$81,900.00	No
North Shore Steel Company, Inc.	Misc. & Ornamental Iron	\$981,200.00*	-	-	-	\$38,500.00	No
John W. Egan Co. Inc.	Painting	\$634,700.00	(\$2,200.00)	(\$4,500.00)	(\$4,500.00)	\$25,000.00	No
R.J. Forbes Painting Contractor, Inc.	Painting	\$656,951.00	(\$3,900.00)	(\$7,200.00)	(\$7,200.00)	\$6,650.00	No
Scep Painting Corp.	Painting	\$748,900.00*	(\$10,385.00)	(\$11,400.00)	(\$11,400.00)	\$15,500.00	No
M.L. McDonald Sales Co. Inc.	Painting	\$789,000.00*	-	(\$60,000.00)	(\$60,000.00)	-	No
Kneeland Plumbing & Heating, Inc.	Plumbing	\$336,000.00	-	-	-	\$20,000.00	No
Harold Bros. Mechanical Contractors, Inc.	Plumbing	\$337,000.00	-	-	-	\$22,000.00	No
D.D.S. Industries, Inc.	Plumbing	\$348,000.00	(\$1,000.00)	(\$1,500.00)	(\$1,500.00)	\$12,000.00	No
Robert W. Irvine & Sons, Inc.	Plumbing	\$427,000.00	(\$3,000.00)	(\$3,800.00)	(\$3,800.00)	\$18,000.00	No
P.J. Riley & Co. Inc.	Plumbing	\$445,000.00	(\$3,000.00)	(\$3,000.00)	(\$3,000.00)	\$21,000.00	No
West Floor Covering, Inc.	Resilient Flooring	\$39,290.00	-	-	-	-	No
Capital Carpet & Flooring Specialists Inc.	Resilient Flooring	\$47,640.00	-	-	-	-	Yes, may be used by any except Bilt-Rite Constr., TLT Constr., CJM Services, Lambrian Constr., GVV Inc, Groom Constr., Eastern General Contractors, Whiteway Constr., or Northeast Interiors
Belcour Corp.	Roofing & Flashing	\$183,400.00	(\$183,400.00)	(\$183,400.00)	(\$183,400.00)	\$0.00	Yes, may be used by any except Builders System

CANVASS OF BIDS
FILED SUB-BIDS
OPENED:

12/11/2009

CONTRACT NO. 2010 CWMP 1



STEARNS & WHEELER^{INC}
 Environmental Engineers & Scientists

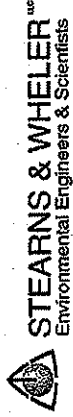
Chatham WPCF Phase 1 Improvements

Stanley Roofing Company, Inc.	Roofing & Flashing	\$232,000.00	(\$6,000.00)	(\$7,600.00)	\$12,000.00	Yes, may be used by any except Alexandra Construction dba Jan Five Corp.
Rockwell Roofing, Inc.	Roofing & Flashing	\$269,000.00	(\$12,000.00)	(\$16,000.00)	\$9,000.00	No
Greenwood Industries, Inc.	Roofing & Flashing	\$313,000.00	(\$7,000.00)	(\$13,000.00)	\$10,000.00	Yes, may be used by any except Alexandra Construction, Kinsmen Corporation, or New England Builders & Contractors
West Floor Covering, Inc.	Tile	\$40,252.00	-	-	-	No
Commonwealth Tile, Inc.	Tile	\$50,637.00	-	-	-	No
Capital Carpet & Flooring Specialists Inc.	Tile	\$52,989.00	-	-	-	Yes, may be used by any except Bill-Rife Constr., TLT Constr., CJM Services, Lambrian Constr., GVV Inc, Groom Constr., Eastern General Contractors, Whiteway Constr., or Northeast Interiors
P.J. Spillane Company	Waterproofing	\$200,000.00*	(\$500.00)	(\$12,500.00)	\$8,000.00	No
Allied Waterproofing, LLC	Waterproofing	\$238,000.00	(\$4,600.00)	(\$17,000.00)	\$15,800.00	No
Folan Waterproofing & Construction Company, Inc.	Waterproofing	\$297,000.00*	(\$7,200.00)	(\$25,000.00)	\$23,000.00	No

* - Bids were corrected over those read aloud to consider words governing over written numerals, etc

CANVASS OF BIDS
BIDS OPENED:
CATEGORY:
CONTRACT NO.

12/11/2009
 HVAC
 2010 CWMP 1
 Chatham WPCF Phase 1 Improvements



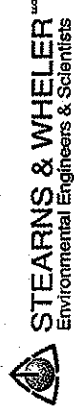
Item No.	Units	Est. Qty	Bid Item Description	D.D.S. Industries, Inc.		Sagamore Plumbing and Heating Co. Inc.		P.J. Riley & Co. Inc.		Monde Heating and Plumbing Co. Inc.	
				Rate	Total	Rate	Total	Rate	Total	Rate	Total
2D	Lump Sum	1		\$1,401,000.00	\$1,401,000.00	\$1,537,000.00	\$1,537,000.00	\$1,573,000.00	\$1,573,000.00	\$174,4342.00*	\$174,4342.00*
DA-1	Lump Sum	15	Remove Parkings Bays 4 and 15	(\$8,800.00)	(\$8,800.00)	(\$7,800.00)	(\$7,800.00)	(\$10,000.00)	(\$10,000.00)	\$0.00	\$0.00
DA-2	Lump Sum	1	Remove Filter Building Superstructure	(\$19,200.00)	(\$19,200.00)	(\$71,000.00)	(\$71,000.00)	(\$51,000.00)	(\$51,000.00)	(\$22,000.00)	(\$22,000.00)
AA-1	Lump Sum	1	Add Septage Receiving Facility	\$66,500.00	\$66,500.00	\$121,000.00	\$121,000.00	\$104,000.00	\$104,000.00	\$173,200.00	\$173,200.00
	Sub-Sub Bids		Category	Sub-Sub Bidder	Price	Sub-Sub Bidder	Price	Sub-Sub Bidder	Price	Sub-Sub Bidder	Price
			Ductwork Insulation	Thermo Dynamics	\$62,400.00	Thermal	\$62,400.00	Thermo Dynamics	\$62,400.00	Thermo Insulation	\$62,400.00
			Ductwork	D.D.S. Industries Inc.	n/a, named self	Norris Trip	\$692,000.00	DDS	\$458,000.00	Norris Tripp Co.	\$592,000.00
			HVAC Controls and Sequence of Operation	Commercial Controls	\$102,145.00	BAS	\$245,000.00	Douglas Controls LLC	\$198,380.00	Commercial Controls	\$110,700.00
			Testing, Adjusting and Balancing	Milharmer	\$32,710.00	New England T&S	\$15,950.00	T. Young	\$21,490.00	Thomas Young Co.	\$21,490.00

- Notes:
 1. All HVAC filed sub-bids are unrestricted.
 2. An asterisk (*) denotes bids that were corrected over those read aloud to consider words governing over written numerals, etc.

CANVASS OF BIDS
BIDS OPENED:
CATEGORY
CONTRACT NO.

12/11/2009
 Electrical
 2010 CWMP 1

Chatham WPCF Phase I Improvements



Item No.	Units	Est. Qty.	Bid Item Description	Anness Electrical Services, Inc.		DeVangie Electric Co., Inc.		E.W. Audest & Sons, Inc.		Wayne Griffin Electric, Inc.	
				Rate	Total	Rate	Total	Rate	Total	Rate	Total
2A	Lump Sum	1	Low Voltage Conductor	\$4,495,140.00	\$4,495,140.00	\$4,620,000.00	\$4,620,000.00	\$4,783,000.00	\$4,783,000.00	\$5,275,000.00	\$5,275,000.00
3A	Each	500	Terminations	\$5.10	\$2,550.00	\$8.25	\$4,125.00	\$30.00	\$15,000.00	\$6.50	\$3,250.00
3B	Linear Foot	1500	3/4 inch Type A Conduit	\$6.70	\$10,050.00	\$6.50	\$9,750.00	\$7.00	\$10,500.00	\$6.82	\$10,230.00
3C	Linear Foot	500	2 inch Type B Conduit, in Trench	\$21.30	\$10,650.00	\$16.50	\$8,250.00	\$14.00	\$7,000.00	\$13.46	\$6,730.00
3D	Linear Foot	1000	2 inch Type C Conduit, in Trench	\$7.00	\$7,000.00	\$14.30	\$14,300.00	\$12.00	\$12,000.00	\$9.82	\$9,820.00
3E	Linear Foot	1200	3/4 inch Type E Conduit No. 12 AWG, Type THWN	\$8.60	\$10,320.00	\$7.00	\$8,400.00	\$11.00	\$13,200.00	\$13.04	\$15,648.00
3F	Linear Foot	5000	Conductor No. 14 AWG, Type THWN	\$0.40	\$2,000.00	\$0.45	\$2,250.00	\$0.65	\$3,250.00	\$0.50	\$2,500.00
3G	Linear Foot	15000	Conductor No. 16, Type THWN	\$0.33	\$4,950.00	\$0.44	\$6,600.00	\$0.60	\$9,000.00	\$0.41	\$6,150.00
3H	Linear Foot	3000	Conductor 1C-2 #16 Shielded	\$0.28	\$840.00	\$0.42	\$1,260.00	\$0.58	\$1,740.00	\$0.40	\$1,200.00
3I	Linear Foot	1000	Instrumentation Cable	\$1.00	\$1,000.00	\$0.55	\$550.00	\$0.80	\$800.00	\$0.74	\$740.00
3J	Linear Foot	2000	Cat. 5E Cable for Computer/telecommunication	\$0.75	\$1,500.00	\$0.60	\$1,200.00	\$0.75	\$1,500.00	\$0.30	\$600.00
Total Base Bid					\$4,546,000.00*		\$4,676,685.00		\$4,866,990.00		\$5,331,868.00
DA-1	Lump Sum	1	Remove Parkings Bays 4 and 5	(\$8,000.00)	(\$8,000.00)	(\$23,000.00)	(\$23,000.00)	(\$28,000.00)	(\$28,000.00)	(\$17,900.00)	(\$17,900.00)
DA-2	Lump Sum	1	Remove Filter Building Superstructure	(\$48,000.00)	(\$48,000.00)	(\$13,690.00)	(\$13,690.00)	(\$96,000.00)	(\$96,000.00)	(\$26,000.00)	(\$26,000.00)
AA-1	Lump Sum	1	Add Septage Receiving Facility	\$92,000.00	\$92,000.00	\$10,000.00	\$10,000.00	\$34,000.00	\$34,000.00	\$80,000.00	\$80,000.00
Sub-Sub Bids				Sub-Sub Bidder	Price	Sub-Sub Bidder	Price	Sub-Sub Bidder	Price	Sub-Sub Bidder	Price
				Electrical Installations	\$400,000.00	LeVangie Electric Co.	n/a, named self	Did Not Provide	-	Wayne J. Griffin Electric	n/a, named self

Notes:
 1. All electrical filed sub-bids are unrestricted.
 2. An asterisk(*) denotes bids that were corrected over those read aloud to consider words governing over written numerals, etc

Canvass of Bids:
 Bids Opened: 12/9/2009
 Contract No. 2010 CWMP 3 Collection System Installation- Route 28

Item No.	Units	Est Qty	Bid Item Description	RBO		Albanese Bros.		JA Polito & Sons		P. Gioioso & Sons		Albanese D & S	
				24 Great Western Road, PO Box 1539 North Harwich, MA 02645		28 Loon Hill Road, PO Box 518 Dracut MA 01826-4031		587C Hartford Turnpike Shrewsbury, MA 01545		50 Sprague Street, Hyde Park, MA 02136		66 Silva Lane, Dracut, MA 01826	
				RATE		RATE		RATE		RATE		RATE	
2A	Linear Foot	9800	8" Gravity Sewer less than 12' deep	\$65.00		\$65.00		\$80.00		\$90.00		\$190.00	
2B	Linear Foot	650	10" Gravity sewer less than 12' deep	\$58.00		\$75.00		\$80.00		\$95.00		\$193.00	
2C	Linear Foot	950	12" Gravity Sewer less than 12' deep	\$60.00		\$75.00		\$80.00		\$100.00		\$195.00	
2D	Linear Foot	1300	15" Gravity Sewer less than 12' deep	\$67.00		\$85.00		\$80.00		\$105.00		\$198.00	
2E	Linear Foot	1500	8" Gravity Sewer greater than 12' deep	\$101.00		\$70.00		\$115.00		\$125.00		\$223.00	
2F	Linear Foot	175	10" Gravity Sewer greater than 12' deep	\$103.00		\$80.00		\$130.00		\$150.00		\$236.00	
2G	Linear Foot	400	12" Gravity Sewer greater than 12' deep	\$104.00		\$85.00		\$160.00		\$165.00		\$238.00	
2H	Linear Foot	1200	15" Gravity Sewer greater than 12' deep	\$239.00		\$90.00		\$220.00		\$175.00		\$435.00	
3A	Linear Foot	300	1.5" Lower Pressure Sewer	\$52.00		\$30.00		\$60.00		\$50.00		\$44.00	
3B	Linear Foot	700	2" Low Pressure Sewer	\$15.00		\$35.00		\$60.00		\$50.00		\$44.00	
4A	Linear Foot	3500	4" Force Main	\$24.00		\$50.00		\$50.00		\$60.00		\$39.00	
4B	Linear Foot	21000	8" Force Main	\$28.00		\$62.00		\$50.00		\$70.00		\$51.00	
5A	Each	10	Low Pressure Laterals	\$700.00		\$1,800.00		\$2,000.00		\$1,500.00		\$1,645.00	
5B	Each	138	Gravity Laterals	\$2,500.00		\$2,000.00		\$2,000.00		\$1,500.00		\$2,325.00	
5C	Each	63	Chimney Connections for Gravity Laterals	\$900.00		\$2,000.00		\$2,500.00		\$400.00		\$750.00	
6	Each	2	LPS End Flushing Assemblies	\$2,000.00		\$4,000.00		\$1,000.00		\$2,000.00		\$1,550.00	
7	Each	3	Low Pressure Sewer Valves	\$300.00		\$3,000.00		\$1,000.00		\$1,500.00		\$1,000.00	
8	Vertical Foot	900	Gravity Sewer Manholes	\$290.00		\$400.00		\$1.00		\$250.00		\$430.00	
9A	Each	1	Air Relief Valves and Vaults	\$3,500.00		\$5,000.00		\$5,000.00		\$5,500.00		\$21,745.00	
9B	Vertical Foot	1	Automatic Air Relief Valves and Manholes	\$3,200.00		\$6,000.00		\$5,000.00		\$5,000.00		\$11,080.00	
9C	Each	5	Manual Air Relief Valves and Manholes	\$1,100.00		\$5,000.00		\$5,000.00		\$2,000.00		\$3,150.00	
10	Each	1	Connection to Existing Manholes	\$3,000.00		\$10,000.00		\$5,000.00		\$2,000.00		\$5,000.00	
11	Cubic Yard	275	Mass Concrete	\$100.00		\$100.00		\$150.00		\$0.01		\$0.01	
12	Cubic Yard	7200	Controlled Density Fill	\$50.00		\$50.00		\$80.00		\$64.00		\$68.00	
13	Cubic Yard	200	Type D-2 Material	\$0.01		\$0.01		\$0.01		\$0.01		\$0.01	
14	Cubic Yards	200	Type D-3 Material	\$0.01		\$0.01		\$0.01		\$0.01		\$0.01	
15	Cubic Yard	1000	Types E-1 Borrow Material	\$0.01		\$0.01		\$0.01		\$0.01		\$0.01	
16	Cubic Yards	1000	Gravel Subbase	\$0.01		\$15.00		\$0.01		\$0.01		\$0.01	
17A	Square Yards	1500	Town/Private Roads Temporary Paving	\$15.00		\$13.00		\$22.00		\$10.00		\$12.00	
17B	Square Yards	200	Town/Private Road Final Paving	\$15.00		\$10.00		\$15.00		\$29.00		\$14.00	

Item No.	Units	Est Qty	Bid Item Description	RBO	Albanese Bros.	JA Polito & Sons	P. Gioioso & Sons	Albanese D & S
				24 Great Western Road, PO Box 1539 North Harwich, MA 02645	28 Loon Hill Road, PO Box 518 Dracut MA 01826-4031	587C Hartford Turnpike Shrewsbury, MA 01545	50 Sprague Street, Hyde Park, MA 02136	66 Silva Lane, Dracut, MA 01826
				RATE	RATE	RATE	RATE	RATE
17C	Square Yards	5000	Town Road Paving Mill/Overlay	\$12.00	\$8.00	\$15.00	\$13.00	\$10.00
18A	Square Yards	24500	State Road Temporary Paving	\$20.00	\$20.00	\$40.00	\$11.50	\$53.00
18B	Square Yards	24500	State Road Final Paving	\$43.00	\$20.00	\$15.00	\$48.00	\$13.00
19	Square Yards	800	Driveway Aprons	\$48.00	\$30.00	\$50.00	\$15.00	\$30.00
20	Pounds	1000	Calcium Chloride	\$0.01	\$0.01	\$0.40	\$0.50	\$0.01
21A	Linear Foot	15975	CCTV Inspection of Gravity Sewers	\$1.25	\$2.00	\$1.00	\$3.50	\$5.00
21B	Linear Foot	24500	Force Main Testing	\$0.10	\$3.00	\$1.00	\$1.00	\$2.00
22	Stipulated Pipe	1	Record Drawings	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
23	Cubic Yards	200	Excavation Below Subgrade Test Pits and Exploratory Excavations	\$0.01	\$50.00	\$20.00	\$20.00	\$100.00
24A	Linear Foot	1000	Granite Curbing	\$30.00	\$35.00	\$25.00	\$45.00	\$35.00
24B	Linear Foot	100	Cape Cod Berm	\$8.00	\$15.00	\$10.00	\$5.00	\$10.00
25	Lump Sum	1	Pre- and Post-Construction Videotapes	\$2,000.00	\$10,000.00	\$5,000.00	\$2,000.00	\$40,000.00
26	Lump Sum	1	Site Restoration	\$25,000.00	\$165,000.00	\$80,000.00	\$15,000.00	\$55,000.00
27	Lump Sum	1	Erosion and Sediment Control	\$10,000.00	\$10,000.00	\$80,000.00	\$77,000.00	\$14,800.00
28A	Lump Sum	1	Pipeline Connection at Pumping Station 37	\$1,000.00	\$20,000.00	\$7,500.00	\$2,000.00	\$10,000.00
28B	Lump Sum	1	Pipeline Connection at Pumping Station 51	\$1,000.00	\$10,000.00	\$7,500.00	\$2,000.00	\$35,000.00
28C	Lump Sum	1	Pipeline Connection at Bern Hill Road and Route 28	\$1,000.00	\$10,000.00	\$7,500.00	\$2,000.00	\$10,000.00
28D	Lump Sum	1	Pipeline Connection at George Ryder Road and Route 28	\$1,000.00	\$10,000.00	\$7,500.00	\$2,000.00	\$10,000.00
28E	Lump Sum	1	Pipeline Connection at Vineyard Avenue and Route 28	\$100.00	\$10,000.00	\$7,500.00	\$2,000.00	\$10,000.00
28F	Lump Sum	1	Pipeline Connection at WPCF Road and WPCF Driveway	\$3,000.00	\$10,000.00	\$7,500.00	\$2,000.00	\$10,000.00
29	Vertical Foot	40	Epoxy Coated Manholes	\$250.00	\$600.00	\$300.00	\$150.00	\$375.00

CONT. QUANTITY	DESCRIPTION	Baltazar Contr. Inc. Ludlow, MA	Albanese Brothers, Inc. Dracut, MA	DeFelice Corporation Dracut, MA	FED Corp Dedham, MA	CJP & Sons Const., Inc. Millis, MA	RJV Const. Corp. Canton, MA	SB General Contracting Walpole, MA	P. Gioioso & Sons, Inc. Hyde Park, MA	Albanese D&S, Inc. Dracut, MA	Revoli Constr., Inc. Franklin, MA	Ludlow Const., Inc. Ludlow, MA	Celco Cons Corp. Pembroke, MA	Engineer's Estimate	Average Bid Price (1)	Difference from Estimate
	8" PVC sewers, 0-12 ft deep, per lin ft	\$48.00	\$50.00	\$63.00	\$51.00	\$44.00	\$55.00	\$60.00	\$62.00	\$47.00	\$70.00	\$55.00	\$80.00	\$50.00	\$57.08	\$7.08
	8" PVC sewers, >12 ft deep, per lin ft	\$97.00	\$50.00	\$80.00	\$74.00	\$85.00	\$55.00	\$112.00	\$62.00	\$75.00	\$120.00	\$75.00	\$95.00	\$50.00	\$81.67	\$31.67
1,300	8" C900 sewers, 0-12 ft deep, per lin ft	\$32.00	\$75.00	\$45.00	\$50.00	\$55.00	\$55.00	\$44.00	\$90.00	\$50.00	\$73.00	\$70.00	\$85.00	\$300.00	\$60.33	(\$239.67)
560	8" C900 sewers, >12 ft deep, per lin ft	\$130.00	\$75.00	\$150.00	\$135.00	\$245.00	\$120.00	\$235.00	\$90.00	\$115.00	\$120.00	\$130.00	\$125.00	\$250.00	\$139.17	(\$110.83)
900	Insulation for pipelines, per lin ft	\$38.00	\$50.00	\$35.00	\$66.00	\$40.00	\$50.00	\$40.00	\$40.00	\$50.00	\$28.00	\$7.00	\$40.00	\$50.00	\$40.33	(\$9.67)
225	8x6" wye branches for PVC pipe, each	\$1,300.00	\$100.00	\$250.00	\$1,550.00	\$100.00	\$250.00	\$1,450.00	\$60.00	\$150.00	\$600.00	\$80.00	\$150.00	\$100.00	\$503.33	\$403.33
700	6" sewer chimneys, per vert ft	\$0.01	\$10.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$75.00	\$0.01	\$0.01	\$0.84	\$0.83
6,700	6" PVC building connections, per lin ft	\$0.01	\$40.00	\$0.01	\$0.01	\$40.00	\$45.00	\$10.00	\$40.00	\$36.00	\$17.00	\$45.00	\$40.00	\$40.00	\$34.78	(\$5.22)
15	Tee branches for pressure sewer, each	\$300.00	\$50.00	\$50.00	\$530.00	\$400.00	\$300.00	\$1,000.00	\$700.00	\$35.00	\$600.00	\$200.00	\$300.00	\$50.00	\$372.08	\$322.08
570	1 1/2" PVC pressure building connections, per lin ft	\$25.00	\$30.00	\$34.00	\$33.00	\$25.00	\$45.00	\$20.00	\$35.00	\$35.00	\$50.00	\$28.00	\$25.00	\$30.00	\$32.08	\$2.08
9,420	4" PVC force main, per lin ft	\$26.50	\$30.00	\$32.00	\$28.00	\$28.00	\$45.00	\$23.00	\$40.00	\$25.00	\$52.00	\$32.00	\$32.00	\$32.00	\$32.79	\$0.79
1,440	2" PVC pressure sewer, per lin ft	\$28.00	\$28.00	\$25.00	\$30.00	\$28.00	\$45.00	\$22.00	\$37.00	\$25.00	\$51.00	\$28.00	\$30.00	\$28.00	\$31.25	\$3.25
8	4" force main clean out, per manhole	\$4,000.00	\$5,000.00	\$4,200.00	\$5,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,350.00	\$5,000.00	\$6,000.00	\$4,800.00	\$5,000.00	\$4,487.50	(\$512.50)
4	2" terminal & in-line flushing connection & manhole, per manhole	\$3,500.00	\$4,000.00	\$2,500.00	\$2,700.00	\$2,000.00	\$4,000.00	\$2,000.00	\$2,500.00	\$2,575.00	\$5,200.00	\$5,500.00	\$3,900.00	\$4,000.00	\$3,364.58	(\$635.42)
13,000	Rock excavation & disposal, per cu yd (min.)	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$0.00
13,000	Rock excavation & disposal, per cu yd (add'l)	\$0.01	\$0.00	\$0.01	\$0.01	\$0.00	\$0.00	\$0.01	\$0.01	\$0.00	\$0.00	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01
500	Changes in earthwork, per cu yd	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00
2,500	Earth excavation & backfill of unsuitable material above normal grade, per cu yd	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$10.00	\$0.01	(\$9.99)
400	Earth excavation & backfill of below normal grade, per cu yd	\$0.01	\$10.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.84	\$0.83
250	Test pits, per cu yd	\$0.01	\$50.00	\$0.01	\$0.01	\$0.01	\$50.00	\$40.00	\$0.01	\$0.01	\$50.00	\$45.00	\$0.01	\$50.00	\$19.59	(\$30.41)
400	Additional crushed stone, per cu yd	\$0.01	\$31.50	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$15.00	\$2.63	(\$12.37)
5,000	Sheeting left in-place, per sq ft	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00
750	Special pipe bedding, per lin ft	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00
5	Bentonite clay dams, each	\$0.01	\$0.01	\$250.00	\$300.00	\$200.00	\$500.00	\$0.01	\$800.00	\$0.01	\$500.00	\$300.00	\$500.00	\$500.00	\$279.17	(\$220.83)
50	Concrete encasement, per cu yd	\$0.01	\$0.01	\$0.01	\$0.01	\$110.00	\$0.01	\$0.01	\$110.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$18.34	\$18.33
122	Precast concrete manhole bases w/standard frame & cover, 4.0' dia., per manhole	\$2,000.00	\$1,500.00	\$2,550.00	\$2,350.00	\$1,600.00	\$2,000.00	\$1,000.00	\$1,000.00	\$2,500.00	\$1,500.00	\$2,500.00	\$2,000.00	\$1,400.00	\$1,875.00	\$475.00
11	Precast concrete manhole bases w/watertight frame & cover, 4.0' dia., per manhole	\$3,000.00	\$1,800.00	\$2,750.00	\$2,775.00	\$2,400.00	\$2,500.00	\$1,300.00	\$1,200.00	\$3,000.00	\$2,000.00	\$2,900.00	\$2,200.00	\$1,600.00	\$2,318.75	\$718.75
7	Precast concrete walls & cones, 4' dia., per vert ft	\$0.01	\$60.00	\$75.00	\$60.00	\$100.00	\$75.00	\$150.00	\$120.00	\$100.00	\$180.00	\$100.00	\$90.00	\$58.00	\$92.50	\$34.50
6	Connections to existing structures, each	\$1,000.00	\$5,000.00	\$1,100.00	\$2,000.00	\$1,000.00	\$1,500.00	\$4,000.00	\$2,000.00	\$500.00	\$0.01	\$1,800.00	\$2,500.00	\$0.01	\$1,866.67	\$1,866.66
30	8" drop connection, per vert ft	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$175.00	\$100.00	\$200.00	\$0.01	\$65.00	\$150.00	\$100.00	\$107.50	\$7.50
10	8" stub & end caps, each	\$1.00	\$100.00	\$1,800.00	\$175.00	\$500.00	\$2,500.00	\$100.00	\$200.00	\$1,500.00	\$500.00	\$1,800.00	\$2,500.00	\$500.00	\$973.00	\$473.00
1	Manhole fall prevention system, each	\$1,500.00	\$1,500.00	\$2,500.00	\$1,400.00	\$1,500.00	\$2,500.00	\$2,500.00	\$1,800.00	\$1,985.00	\$2,500.00	\$2,500.00	\$1,500.00	\$2,500.00	\$1,972.08	(\$527.92)
450	12" RCP drains, per lin ft	\$90.00	\$200.00	\$34.00	\$25.00	\$45.00	\$50.00	\$75.00	\$42.00	\$50.00	\$0.01	\$45.00	\$100.00	\$200.00	\$63.00	(\$137.00)
500	8" DI water main pipe & fittings, per lin ft	\$75.00	\$70.00	\$50.00	\$43.00	\$50.00	\$85.00	\$100.00	\$48.00	\$75.00	\$0.01	\$60.00	\$100.00	\$100.00	\$63.00	(\$37.00)

CONT. QUAN.	DESCRIPTION	Baltazar Contr. Inc. Ludlow, MA	Albanese Brothers, Inc. Dracut, MA	DeFelice Corporatio Dracut, MA	FED Corp Dedham, MA	CJP & Sons Const., Inc. Millis, MA	RJV Const. Corp. Canton, MA	SB General Contracting Walpole, MA	P. Gioioso & Sons, Inc. Hyde Park, MA	Albanese D&S, Inc. Dracut, MA	Revoll Constr., Inc. Franklin, MA	Ludlow Const., Inc. Ludlow, MA	Celco Cons Corp. Pembroke, MA	Engineer's Estimate	Average Bid Price (1)	Difference from Estimate
	Normal dewatering, lump sum	\$1.00	\$0.01	\$2,500.00	\$1.00	\$20,000.00	\$20,000.00	\$0.01	\$5,000.00	\$5,000.00	\$1.00	\$10,000.00	\$50,000.00	\$10,000.00	\$9,375.25	(\$624.75)
1,000	Special dewatering, per lin ft	\$0.01	\$0.01	\$2.50	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.22	\$0.21
100	Observation wells, per vert ft	\$0.01	\$0.01	\$5.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.43	\$0.42
8,000	Temporary pavement trench width, per lin ft	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$5.00	\$5.00	\$0.01	\$0.01	\$0.84	\$0.83
16,800	Permanent pavement 2" binder course (trench), per lin ft	\$10.00	\$12.00	\$11.50	\$11.50	\$12.00	\$0.01	\$14.00	\$10.00	\$15.00	\$5.00	\$20.00	\$14.00	\$14.00	\$11.25	(\$2.75)
10,300	Permanent pavement 4" binder course (trench), major & minor arterial roads, per lin ft	\$17.00	\$14.00	\$17.75	\$20.00	\$27.00	\$0.01	\$18.00	\$20.00	\$21.00	\$7.00	\$33.00	\$27.00	\$16.00	\$18.48	\$2.48
23,200	Permanent pavement 1 1/2" top course (curb-to-curb), per lin ft	\$17.20	\$11.50	\$19.00	\$17.00	\$17.50	\$18.00	\$22.00	\$25.00	\$22.00	\$22.00	\$16.50	\$19.00	\$14.00	\$18.89	\$4.89
500	Additional pavement, per ton	\$70.00	\$100.00	\$64.00	\$75.00	\$63.00	\$65.00	\$0.01	\$105.00	\$80.00	\$0.01	\$0.01	\$130.00	\$100.00	\$62.67	(\$37.33)
30,000	Thermoplastic pavement markings, per lin ft	\$0.50	\$1.50	\$0.42	\$0.45	\$0.50	\$0.01	\$0.50	\$0.45	\$0.75	\$0.75	\$0.50	\$0.50	\$0.50	\$0.57	\$0.07
1,450	Temporary pavement, trench width, per lin ft	\$0.01	\$0.01	\$38.00	\$11.00	\$48.00	\$70.00	\$18.00	\$11.00	\$73.00	\$5.00	\$46.00	\$20.00	\$7.00	\$28.34	\$21.34
2,000	Permanent pavement, 2" binder course (trench), per lin ft	\$0.01	\$15.00	\$12.00	\$39.50	\$14.00	\$0.01	\$30.00	\$9.00	\$17.50	\$5.00	\$15.00	\$0.01	\$18.00	\$13.09	(\$4.91)
1,450	Permanent pavement 2" top course (trench), per lin ft	\$25.00	\$15.00	\$10.00	\$11.00	\$14.00	\$50.00	\$21.00	\$11.00	\$38.00	\$5.00	\$20.00	\$35.00	\$20.00	\$21.25	\$1.25
50	Additional pavement, per ton	\$70.00	\$100.00	\$52.00	\$120.00	\$63.00	\$65.00	\$150.00	\$95.00	\$100.00	\$100.00	\$150.00	\$130.00	\$100.00	\$99.58	(\$0.42)
6,000	Thermoplastic pavement markings, per lin ft	\$0.50	\$2.00	\$0.42	\$0.45	\$0.50	\$0.01	\$0.40	\$0.45	\$0.75	\$0.75	\$0.50	\$0.50	\$0.50	\$0.60	\$0.07
25,000	Calcium chloride, per pound	\$0.45	\$0.01	\$0.35	\$0.50	\$0.01	\$0.01	\$0.01	\$0.45	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.15	\$0.14
7,700	Baled hay or straw, per lin ft	\$3.60	\$10.00	\$4.50	\$5.00	\$3.00	\$4.00	\$4.00	\$6.00	\$4.00	\$8.00	\$6.00	\$3.00	\$10.00	\$5.09	(\$4.91)
7,700	Temporary silt fence, per lin ft	\$2.50	\$3.00	\$0.50	\$3.00	\$3.00	\$2.00	\$2.00	\$3.00	\$3.00	\$6.00	\$4.00	\$3.00	\$3.00	\$2.92	(\$0.08)
1	Moore Street pumping station, complete in place, lump sum	\$240,000.00	\$245,000.00	\$250,000.00	\$218,000.00	\$250,000.00	\$250,000.00	\$210,000.00	\$215,000.00	\$234,520.00	\$215,000.00	\$382,250.00	\$295,000.00	\$250,000.00	\$250,397.50	\$397.50
1	Gorham Street South pumping station, complete in place, lump sum	\$240,000.00	\$200,000.00	\$250,000.00	\$221,000.00	\$250,000.00	\$250,000.00	\$210,000.00	\$215,000.00	\$224,880.00	\$210,000.00	\$327,250.00	\$295,000.00	\$250,000.00	\$241,094.17	(\$8,905.83)
1	Riverneck Road pumping station, complete in place, lump sum	\$240,000.00	\$243,000.00	\$275,000.00	\$222,000.00	\$255,000.00	\$250,000.00	\$210,000.00	\$215,000.00	\$276,755.00	\$210,000.00	\$392,250.00	\$315,000.00	\$250,000.00	\$258,667.08	\$8,667.08
1	Ledge Road pumping station, complete in place, lump sum	\$240,000.00	\$243,000.00	\$250,000.00	\$220,000.00	\$255,000.00	\$250,000.00	\$210,000.00	\$215,000.00	\$274,890.00	\$210,000.00	\$327,250.00	\$295,000.00	\$250,000.00	\$249,178.33	(\$821.67)
1	Mobilization, lump sum	\$242,600.00	\$190,000.00	\$90,000.00	\$250,000.00	\$225,000.00	\$250,000.00	\$150,000.00	\$200,000.00	\$250,000.00	\$250,000.00	\$306,000.00	\$300,000.00	\$289,010.20	\$230,200.78	(\$58,809.42)

*Corrected extension error in bid calculation

	Albano Builders, Inc.	Balzar Construction, Inc.	Alhaise D & S, Inc.	P. Givoso & Sons, Inc.	LM Holdings, LLC	CJP & Sons Construction Co. Inc.	FED CORP	L. Primita Construction Co. Inc.	F & J Incorporated	Ceco Construction Group	Renzi Construction Co.	DeFeca Corporation	J. D'Amico, Inc.	J.H. Patis & Sons, Inc.	RIV Construction Corp.	Lutwy Construction Inc.	Engineer's Estimate	Average Bid Price (1)	Difference from Estimate
1a 1" PVC sewer, 0-12' deep	\$50.00	\$50.00	\$52.00	\$80.00	\$66.00	\$48.00	\$81.00	\$70.85	\$88.00	\$70.00	\$75.00	\$68.00	\$78.00	\$62.00	\$50.00	\$50.00	\$60.00	\$63.48	\$-5.49
1b 8" PVC sewer, 12-20' deep	\$50.00	\$50.00	\$77.00	\$95.00	\$70.00	\$95.00	\$111.00	\$77.45	\$88.00	\$65.00	\$75.00	\$68.00	\$100.00	\$70.00	\$50.00	\$50.00	\$60.00	\$63.82	\$-2.32
1c 6" C-900 sewer, >20' deep	\$200.00	\$120.00	\$89.50	\$70.00	\$66.00	\$100.00	\$156.00	\$92.00	\$188.00	\$200.00	\$72.00	\$68.00	\$175.00	\$70.00	\$160.00	\$102.00	\$80.00	\$133.61	\$-68.61
1d 6" C-900 sewer, >20' deep	\$500.00	\$300.00	\$129.50	\$100.00	\$66.00	\$300.00	\$210.00	\$220.00	\$398.00	\$350.00	\$250.00	\$305.00	\$175.00	\$100.00	\$300.00	\$165.00	\$150.00	\$152.07	\$-68.61
1e Insulation for pipelines, per linear foot	\$50.00	\$30.00	\$40.00	\$40.00	\$46.00	\$70.00	\$50.00	\$28.00	\$45.00	\$40.00	\$6.00	\$32.00	\$10.00	\$70.00	\$30.00	\$35.00	\$35.00	\$32.22	\$-7.82
2a 1/2" x 1/2" branches for PVC pipe	\$100.00	\$1,200.00	\$1,480.00	\$200.00	\$40.00	\$100.00	\$1,300.00	\$150.00	\$150.00	\$125.00	\$25.00	\$68.00	\$100.00	\$100.00	\$200.00	\$80.00	\$140.00	\$278.57	\$-139.57
2b 6" sewer cleanouts	\$30.01	\$40.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01	\$30.01
2c 6" PVC building connections	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01
2d Tee branches for pressure sewer	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01
2e 1 1/2" PVC pressure building connections	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01	\$40.01
3a 6" DI force main, per lin ft	\$35.00	\$55.00	\$35.00	\$50.00	\$43.00	\$35.00	\$44.71	\$42.00	\$42.00	\$38.00	\$30.00	\$40.00	\$50.00	\$50.00	\$40.00	\$60.00	\$45.00	\$43.41	\$-1.59
3b 12" PVC pressure sewer per lin ft	\$32.00	\$28.00	\$34.00	\$40.00	\$16.00	\$34.00	\$25.00	\$30.80	\$37.00	\$35.00	\$22.00	\$40.00	\$35.00	\$50.00	\$28.00	\$32.00	\$35.00	\$33.40	\$-1.60
3c 1/2" force main cleanout per manhole	\$5,000.00	\$3,500.00	\$5,100.00	\$2,000.00	\$2,300.00	\$4,000.00	\$5,100.00	\$5,600.00	\$5,000.00	\$5,200.00	\$1,500.00	\$3,500.00	\$3,000.00	\$2,000.00	\$28.00	\$40.00	\$40.00	\$31.40	\$-8.60
3d 1/2" tapping & in-line flushing connection & manhole, per MH	\$4,000.00	\$3,000.00	\$3,600.00	\$4,000.00	\$2,200.00	\$4,000.00	\$4,750.00	\$5,136.00	\$5,000.00	\$4,700.00	\$1,500.00	\$3,500.00	\$3,000.00	\$2,500.00	\$4,000.00	\$5,000.00	\$4,000.00	\$4,307.14	\$-225.29
3e Force main air release, each	\$3,500.00	\$3,000.00	\$3,600.00	\$4,000.00	\$2,100.00	\$4,000.00	\$3,200.00	\$4,000.00	\$4,000.00	\$3,900.00	\$3,500.00	\$1,800.00	\$3,000.00	\$2,000.00	\$4,000.00	\$4,200.00	\$4,000.00	\$3,774.71	\$-225.29
4a Rock excavation & disposal	\$50.00	\$60.00	\$50.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00
4b Rock excavation & disposal (acid)	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00
5a Changes in earthwork	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
5b Earth excavation & backfill above normal grade	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
5c Earth excavation & backfill below normal grade	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
5d Test pits	\$50.00	\$50.00	\$40.00	\$0.01	\$145.00	\$0.01	\$0.01	\$50.00	\$50.00	\$50.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
5e Additional crushed stone	\$15.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$25.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
5f Shoring left in-place	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
5g Special pipe bedding	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
5h Benching day dams	\$500.00	\$0.01	\$500.00	\$800.00	\$350.00	\$160.00	\$200.00	\$1,000.00	\$10.00	\$10.00	\$30.00	\$475.00	\$30.00	\$0.01	\$0.01	\$0.01	\$0.01	\$1.09	\$-17.85
5i Concrete assessment	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
6a Precast concrete manhole bases w/ water-tight flc	\$1,400.00	\$2,975.00	\$3,300.00	\$2,000.00	\$1,800.00	\$1,200.00	\$2,100.00	\$1,880.00	\$2,500.00	\$1,350.00	\$800.00	\$2,500.00	\$3,000.00	\$1,500.00	\$500.00	\$300.00	\$450.00	\$460.71	\$-83.18
6b Precast concrete manhole bases w/ standard flc	\$1,600.00	\$3,232.00	\$3,500.00	\$2,200.00	\$2,000.00	\$1,500.00	\$2,350.00	\$2,000.00	\$3,000.00	\$1,600.00	\$900.00	\$4,000.00	\$3,000.00	\$2,000.00	\$2,500.00	\$1,500.00	\$2,500.00	\$268.29	\$-143.71
6c Connections to existing structures	\$58.00	\$2,200.00	\$58.00	\$75.00	\$100.00	\$170.00	\$80.00	\$59.50	\$120.00	\$150.00	\$275.00	\$65.00	\$100.00	\$100.00	\$2,500.00	\$3,525.00	\$2,600.00	\$2,068.29	\$-537.71
6d 1/2" internal drop connections	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
6e 6" stub & end caps	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
6f Manhole fall prevention system	\$1,500.00	\$1,000.00	\$1,500.00	\$1,000.00	\$400.00	\$1,000.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$25.00	\$50.00	\$100.00	\$100.00	\$1,500.00	\$75.00	\$100.00	\$1,616.07	\$-116.07
6g 1/2" RCP drains, per lin ft	\$200.00	\$60.00	\$100.00	\$50.00	\$32.00	\$40.00	\$48.00	\$100.00	\$60.00	\$100.00	\$50.00	\$0.00	\$100.00	\$300.00	\$2,500.00	\$7,000.00	\$1,450.00	\$1,099.64	\$-350.36
7a Normal dewatering	\$0.01	\$1,000.00	\$30,000.00	\$5,000.00	\$0.01	\$15,000.00	\$30,000.00	\$2,000.00	\$20,000.00	\$20,000.00	\$0.01	\$25,000.00	\$0.01	\$10,000.00	\$15,000.00	\$7,000.00	\$15,000.00	\$10,065.79	\$-183.21
7b Special dewatering	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
7c Checkwall walls	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
7d Temporary pavement trench width	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
7e Permanent pavement 2' binder course (trench)	\$14.00	\$12.00	\$20.00	\$8.00	\$12.00	\$16.00	\$16.00	\$16.30	\$1.00	\$0.01	\$4.75	\$12.50	\$4.00	\$18.00	\$0.01	\$4.00	\$5.00	\$2.74	\$-11.26
7f Permanent pavement 4" binder course (trench)	\$16.00	\$22.00	\$27.50	\$15.00	\$15.00	\$11.00	\$26.50	\$28.55	\$1.00	\$2.00	\$9.75	\$16.00	\$18.00	\$18.00	\$15.00	\$16.00	\$15.00	\$14.58	\$-1.42
7g Additional pavement 1 1/2" top course (curb-to-curb)	\$14.00	\$19.00	\$11.52	\$14.00	\$20.00	\$17.00	\$22.00	\$24.00	\$2.00	\$2.00	\$2.00	\$3.00	\$25.00	\$20.00	\$21.00	\$22.12	\$22.00	\$24.88	\$-10.88
7h Thermoplastic pavement markings	\$100.00	\$85.00	\$70.00	\$80.00	\$110.00	\$75.00	\$75.00	\$112.00	\$150.00	\$135.00	\$0.01	\$105.00	\$80.00	\$100.00	\$85.00	\$130.00	\$72.00	\$19.95	\$-80.05
7i Thermoplastic pavement markings	\$0.50	\$0.45	\$0.55	\$0.65	\$0.42	\$0.75	\$0.50	\$0.01	\$1.00	\$0.50	\$0.50	\$0.50	\$0.40	\$0.45	\$0.75	\$0.45	\$0.50	\$0.53	\$-0.03
10a Gravel roadway restoration, per lin ft	\$10.00	\$15.00	\$13.00	\$10.00	\$9.00	\$10.00	\$12.50	\$14.75	\$30.00	\$10.00	\$10.00	\$11.00	\$15.00	\$10.00	\$25.00	\$15.00	\$25.00	\$14.38	\$-0.62
10b Lumping and seedling, per lin ft	\$10.00	\$10.00	\$17.00	\$4.00	\$4.50	\$8.00	\$12.00	\$10.00	\$30.00	\$10.00	\$8.00	\$8.00	\$10.00	\$10.00	\$25.00	\$11.50	\$15.00	\$14.28	\$-0.72
10c Surface restoration of V-C areas per lin ft	\$25.00	\$16.00	\$13.75	\$10.00	\$19.00	\$8.00	\$9.00	\$5.00	\$10.00	\$20.00	\$15.00	\$16.00	\$10.00	\$10.00	\$35.00	\$5.00	\$10.00	\$16.84	\$-6.84
11a Calcium chloride	\$0.01	\$0.01	\$0.01	\$0.40	\$0.25	\$0.01	\$0.50	\$0.35	\$0.50	\$0.11	\$0.01	\$0.32	\$0.35	\$0.40	\$0.75	\$0.35	\$0.25	\$0.21	\$-0.04
11b Baled hay or straw	\$10.00	\$4.00	\$3.00	\$4.00	\$4.00	\$6.00	\$6.00	\$6.00	\$6.00	\$3.50	\$0.01	\$6.00	\$4.00	\$7.00	\$8.00	\$3.00	\$5.00	\$5.09	\$-1.09
11c Temporary air fence	\$3.00	\$3.00	\$2.25	\$3.00	\$4.00	\$3.00	\$3.00	\$3.60	\$4.00	\$2.00	\$8.00	\$2.00	\$2.00	\$3.00	\$4.00	\$3.00	\$3.11	\$-0.11	\$0.11
2a Park Road PS	\$300,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$320,000.00	\$250,000.00	\$242,000.00	\$293,165.00	\$300,000.00	\$440,000.00	\$350,000.00	\$425,000.00	\$350,000.00	\$370,000.00	\$415,000.00	\$350,000.00	\$350,000.00	\$267,214.29	\$-82,785.71
2b Cambridge Street PS	\$220,000.00	\$200,000.00	\$200,000.00	\$210,000.00	\$280,000.00	\$200,000.00	\$210,000.00	\$243,000.00	\$290,000.00	\$370,000.00	\$350,000.00	\$350,000.00	\$300,000.00	\$300,000.00	\$350,000.00	\$250,000.00	\$350,000.00	\$250,000.00	\$-100,000.00

Item	Albense Brothers, Inc.	Balkar Contractors, Inc.	Albense D & S, Inc.	P. Gaboso & Sons, Inc.	UM Holdings, LLC	CJP & Sons Construction Co., Inc.	F&J Incorporated	Chen Construction Group	Revell Construction Co.	Dif Felice Corporation	J. Dransky, Inc.	J.R. Polite & Sons, Inc.	RJV Construction Corp.	Ludlow Construction Co., Inc.	Engineer's Estimate	Average Bid Price (1)	Difference from Estimate
15a 18" DI water main pipe & fittings	\$51.50	\$50.00	\$65.00	\$83.00	\$45.00	\$58.00	\$55.00	\$58.00	\$75.00	\$70.00	\$40.00	\$63.00	\$55.00	\$60.73	\$80.00	\$60.73	\$19.27
15b 18" DI water main pipe & fittings	\$100.00	\$50.00	\$80.00	\$83.00	\$50.00	\$70.00	\$50.00	\$50.00	\$70.00	\$70.00	\$35.00	\$40.00	\$45.00	\$45.00	\$60.00	\$45.00	\$55.00
15c Additional fittings	\$0.01	\$0.00	\$0.01	\$0.01	\$4.00	\$3.00	\$4.00	\$4.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$3.00	\$0.01	\$1.00
16a Hydrants	\$5,000.00	\$2,000.00	\$3,000.00	\$35,000.00	\$3,000.00	\$2,800.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$5,000.00	\$2,500.00	\$2,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
16b 18" gate valves	\$1,500.00	\$1,200.00	\$1,600.00	\$1,800.00	\$1,000.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$2,500.00	\$1,200.00	\$1,000.00	\$1,200.00	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00
16c 18" gate valves	\$1,200.00	\$800.00	\$1,300.00	\$1,000.00	\$700.00	\$1,000.00	\$950.00	\$1,000.00	\$1,000.00	\$1,500.00	\$800.00	\$1,000.00	\$800.00	\$1,200.00	\$1,000.00	\$1,000.00	\$1,000.00
17a 1" corporation stops	\$50.00	\$20.00	\$54.00	\$20.00	\$70.00	\$60.00	\$120.00	\$300.00	\$1,200.00	\$700.00	\$500.00	\$200.00	\$250.00	\$190.00	\$450.00	\$200.00	\$200.00
17b 1" polyethylene pipe	\$400.00	\$250.00	\$200.00	\$200.00	\$120.00	\$600.00	\$200.00	\$200.00	\$1,200.00	\$700.00	\$500.00	\$200.00	\$250.00	\$190.00	\$450.00	\$200.00	\$200.00
17c Rock excavation & disposal	\$30.00	\$30.00	\$32.00	\$45.00	\$15.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$30.00	\$20.00	\$20.00
18a Rock excavation & disposal (add'l)	\$80.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00
18b Temporary pavement, trench with	\$0.01	\$0.01	\$0.01	\$0.01	\$4.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
18c Permanent pavement, 4" binder course (trench)	\$14.00	\$12.00	\$15.00	\$9.00	\$4.00	\$9.50	\$20.00	\$0.01	\$4.75	\$1.00	\$0.01	\$18.00	\$8.00	\$9.55	\$7.00	\$8.00	\$8.00
18d Mobilization, lump sum	\$4,000.00	\$4,000.00	\$1,000.00	\$4,500.00	\$3,000.00	\$2,500.00	\$3,000.00	\$1.00	\$5,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$2,000.00	\$5,000.00	\$6,006.00	\$3,265.79	\$3,320.21
21a 18" DI water main pipe & fittings	\$51.50	\$50.00	\$65.00	\$83.00	\$47.00	\$58.00	\$55.00	\$58.00	\$75.00	\$70.00	\$40.00	\$63.00	\$55.00	\$60.73	\$80.00	\$60.73	\$19.27
21b 18" DI water main pipe & fittings	\$100.00	\$50.00	\$80.00	\$83.00	\$50.00	\$70.00	\$50.00	\$50.00	\$70.00	\$70.00	\$35.00	\$40.00	\$45.00	\$45.00	\$60.00	\$45.00	\$55.00
21c Additional fittings	\$0.01	\$0.00	\$0.01	\$0.01	\$4.00	\$3.00	\$4.00	\$4.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$3.00	\$0.01	\$1.00
22a Hydrants	\$5,000.00	\$2,000.00	\$3,000.00	\$35,000.00	\$3,000.00	\$2,800.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$5,000.00	\$2,500.00	\$2,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
22b 18" gate valves	\$1,500.00	\$1,200.00	\$1,600.00	\$1,800.00	\$1,000.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$2,500.00	\$1,200.00	\$1,000.00	\$1,200.00	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00
23a 1" corporation stops	\$50.00	\$20.00	\$54.00	\$20.00	\$70.00	\$60.00	\$120.00	\$300.00	\$1,200.00	\$700.00	\$500.00	\$200.00	\$250.00	\$190.00	\$450.00	\$200.00	\$200.00
23b 1" polyethylene pipe	\$400.00	\$250.00	\$200.00	\$200.00	\$120.00	\$600.00	\$200.00	\$200.00	\$1,200.00	\$700.00	\$500.00	\$200.00	\$250.00	\$190.00	\$450.00	\$200.00	\$200.00
23c Rock excavation & disposal	\$30.00	\$30.00	\$32.00	\$45.00	\$15.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$30.00	\$20.00	\$20.00
24a Rock excavation & disposal (add'l)	\$80.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00
24b Temporary pavement, trench with	\$0.01	\$0.01	\$0.01	\$0.01	\$4.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
24c Permanent pavement, 4" binder course (trench)	\$14.00	\$12.00	\$15.00	\$9.00	\$4.00	\$9.50	\$20.00	\$0.01	\$4.75	\$1.00	\$0.01	\$18.00	\$8.00	\$9.55	\$7.00	\$8.00	\$8.00
24d Mobilization, lump sum	\$4,000.00	\$4,000.00	\$1,000.00	\$4,500.00	\$3,000.00	\$2,500.00	\$3,000.00	\$1.00	\$5,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$2,000.00	\$5,000.00	\$6,006.00	\$3,265.79	\$3,320.21

(1) Average Bid Price is calculated by adding all bids after discarding the highest and lowest and dividing by the remaining number of bidders.

City of Chelmsford MAPark-Cambridge Construction Bidding/Average Bid Prices (08-1-10)

Town of Scituate
 Musquash Pond Sewer and Water Main Replacement
 Contract 10-SB-22
 AVERAGE BID PRICES
 BID DATE: May 24, 2011

Item	Company - Unit Price													Average Bid Price *	Difference from Estimate
	Albanese Brothers Inc Dorset, MA	SB General Contracting Walpole, MA	GJP & Sons Mills, MA	Fed Corp Dorham, MA	P Glorioso & Sons Hyde Park, MA	Revell Construction Franklin, MA	GC Construction S Dennis, MA	Albanese D&S Dorset, MA	Calco Construction Pembroke, MA	RJV Construction Canton, MA	P Callicchio Corp Weymouth, MA	J D'Amico Inc. Randolph, MA	Engineer's Option of Probable Cost		
Sewers Complete in Place															
8" PVC sewers, 0-12 ft deep, per lin ft	\$77.00	\$71.00	\$87.00	\$85.00	\$74.00	\$85.00	\$85.00	\$82.00	\$82.00	\$80.00	\$82.00	\$180.00	\$58.00	\$76.10	(\$21.10)
10" PVC sewers, >12 ft deep, per lin ft	\$77.00	\$80.00	\$95.00	\$115.00	\$84.00	\$85.00	\$85.00	\$82.00	\$82.00	\$80.00	\$82.00	\$180.00	\$75.00	\$97.90	(\$12.90)
10" PVC sewers, 0-12 ft deep, per lin ft	\$80.00	\$68.00	\$70.00	\$100.00	\$100.00	\$80.00	\$70.00	\$85.00	\$85.00	\$80.00	\$80.00	\$180.00	\$100.00	\$85.50	\$18.50
10" PVC sewers, >12 ft deep, per lin ft	\$80.00	\$70.00	\$95.00	\$111.00	\$120.00	\$80.00	\$80.00	\$85.00	\$85.00	\$80.00	\$80.00	\$180.00	\$100.00	\$175.00	\$18.00
Insulation for pipelines, per lin ft	\$10.00	\$50.00	\$40.00	\$55.00	\$40.00	\$50.00	\$40.00	\$47.00	\$40.00	\$50.00	\$40.00	\$100.00	\$50.00	\$46.10	\$15.90
Building Connection System															
8" DI force main, per lin ft	\$100.00	\$400.00	\$125.00	\$70.00	\$100.00	\$250.00	\$75.00	\$125.00	\$150.00	\$75.00	\$50.00	\$100.00	\$400.00	\$189.50	\$210.50
10" DI force main, per lin ft	\$100.00	\$400.00	\$145.00	\$70.00	\$100.00	\$250.00	\$75.00	\$125.00	\$150.00	\$75.00	\$50.00	\$100.00	\$400.00	\$189.50	\$210.50
8" sewer cleanouts, per lin ft	\$100.00	\$80.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
8" PVC building connections, per lin ft	\$40.00	\$35.00	\$55.00	\$55.00	\$39.00	\$50.00	\$39.00	\$50.00	\$50.00	\$45.00	\$50.00	\$100.00	\$40.00	\$48.00	(\$9.00)
Tees for pressure sewers, each	\$50.00	\$50.00	\$60.00	\$25.00	\$60.00	\$575.00	\$1,000.00	\$100.00	\$300.00	\$50.00	\$25.00	\$50.00	\$40.00	\$48.50	(\$8.50)
1 1/2" pressure building connections, per lin ft	\$30.00	\$20.00	\$28.00	\$34.00	\$34.00	\$50.00	\$15.00	\$61.00	\$35.00	\$55.00	\$40.00	\$50.00	\$30.00	\$38.00	(\$8.00)
Sewage Force Mains and Fittings, Complete in Place															
8" DI force main, per lin ft	\$35.00	\$35.00	\$55.00	\$71.00	\$64.00	\$35.00	\$51.00	\$48.00	\$45.00	\$25.00	\$40.00	\$85.00	\$50.00	\$48.40	\$0.60
1 1/2" PVC pressure sewers, per lin ft	\$30.00	\$20.00	\$33.00	\$40.00	\$39.00	\$40.00	\$21.00	\$33.00	\$30.00	\$35.00	\$30.00	\$40.00	\$28.00	\$33.10	(\$5.10)
8" PVC pressure sewers, per lin ft	\$30.00	\$21.00	\$43.00	\$33.00	\$44.00	\$40.00	\$23.00	\$33.00	\$30.00	\$35.00	\$30.00	\$40.00	\$28.00	\$34.50	(\$4.50)
8" PVC pressure sewers, per lin ft	\$30.00	\$22.00	\$46.00	\$39.00	\$54.00	\$50.00	\$27.00	\$33.00	\$30.00	\$35.00	\$30.00	\$40.00	\$28.00	\$34.50	(\$4.50)
8" force main clean out, per manhole	\$5,000.00	\$3,000.00	\$3,400.00	\$4,000.00	\$3,900.00	\$5,850.00	\$5,900.00	\$4,650.00	\$6,000.00	\$7,500.00	\$3,000.00	\$4,750.00	\$5,000.00	\$4,750.00	(\$250.00)
Terminal and in-line flushing connections and manholes, complete in place, per set	\$2,700.00	\$2,000.00	\$3,400.00	\$3,850.00	\$3,900.00	\$3,000.00	\$4,800.00	\$3,650.00	\$4,000.00	\$4,000.00	\$3,000.00	\$4,500.00	\$4,500.00	\$4,500.00	\$100.00
Rock Excavation and Disposal															
Rock excavation & disposal, per cu yd (min.)	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00
Rock excavation & disposal, per cu yd (max)	\$0.00	\$0.01	\$0.00	\$0.01	\$0.01	\$0.00	\$0.01	\$0.00	\$0.01	\$0.00	\$0.01	\$0.01	\$0.00	\$0.01	\$0.00
Miscellaneous Earthwork															
Changes in earthwork, per cu yd	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Earth excavation & backfill of unsuitable material above normal grade, per cu yd	\$0.01	\$25.00	\$0.01	\$0.01	\$0.01	\$0.01	\$25.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Earth excavation & backfill of below normal grade, per cu yd	\$0.01	\$25.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Test pits, per cu yd	\$50.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Additional crushed stone, per cu yd	\$15.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Shading left in place, per sq ft	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Special pipe bedding, per lin ft	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Bedding clay dunnage, each	\$200.00	\$0.01	\$210.00	\$0.01	\$200.00	\$300.00	\$1,800.00	\$350.00	\$600.00	\$250.00	\$700.00	\$125.00	\$450.00	\$332.50	\$117.50
Concrete encasement, per cu yd	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Sewer Manholes and Appurtenances															
Precast concrete manhole bases w/stand frame & cover, 4' dia., per manhole	\$1,400.00	\$800.00	\$1,600.00	\$2,975.00	\$2,000.00	\$2,000.00	\$1,700.00	\$2,790.00	\$2,800.00	\$1,500.00	\$2,000.00	\$3,500.00	\$1,800.00	\$3,075.00	(\$172.50)
Precast concrete manhole bases w/walllight frame & cover, 4' dia., per manhole	\$1,800.00	\$1,000.00	\$1,800.00	\$3,100.00	\$2,200.00	\$2,500.00	\$1,900.00	\$3,255.00	\$3,100.00	\$2,000.00	\$2,400.00	\$3,800.00	\$2,400.00	\$3,255.00	\$85.00
Precast concrete walls & cones, 4' dia., per vert ft	\$60.00	\$160.00	\$165.00	\$1,000.00	\$100.00	\$200.00	\$385.00	\$80.00	\$0.01	\$75.00	\$100.00	\$85.00	\$100.00	\$105.50	(\$5.50)
Connections to existing structures, each	\$1,000.00	\$5,000.00	\$11,000.00	\$5,500.00	\$2,000.00	\$5,000.00	\$2,000.00	\$2,000.00	\$25,000.00	\$2,500.00	\$1,000.00	\$1,700.00	\$2,000.00	\$3,775.00	(\$1,775.00)
8" drop connections, per vert ft	\$100.00	\$400.00	\$390.00	\$250.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00
8" stub & end caps, each	\$100.00	\$100.00	\$1,500.00	\$1.00	\$200.00	\$2,000.00	\$1,300.00	\$2,135.00	\$800.00	\$2,500.00	\$100.00	\$350.00	\$100.00	\$289.50	(\$110.50)
Water and Drain Reconstruction															
Drain reconstruction, each	\$1,000.00	\$0.01	\$195.00	\$750.00	\$1,500.00	\$0.01	\$1,000.00	\$500.00	\$1,500.00	\$1,000.00	\$1.00	\$100.00	\$100.00	\$21.00	(\$789.00)
Reconstruction of mismarked water mains, each	\$1,500.00	\$0.01	\$1,100.00	\$1.00	\$0.01	\$0.01	\$1,600.00	\$3,325.00	\$3,500.00	\$2,500.00	\$1.00	\$1.00	\$1.00	\$150.00	(\$1,349.00)
Reconstruction of mismarked water services, each	\$1,500.00	\$0.01	\$225.00	\$750.00	\$0.01	\$0.01	\$750.00	\$1,000.00	\$1,000.00	\$800.00	\$1.00	\$200.00	\$180.00	\$472.00	(\$372.00)
Dewatering															
Normal dewatering, lump sum	\$0.01	\$0.01	\$255,050.00	\$70,000.00	\$10,000.00	\$5,000.00	\$70,000.00	\$450,000.00	\$435,000.00	\$100,000.00	\$130,000.00	\$150,000.00	\$20,000.00	\$123,000.00	(\$103,000.00)
Special dewatering, per lin ft	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$27.95	\$0.01	\$0.01	\$0.01	\$40.00	\$0.01	\$0.01	\$2.81	(\$1.81)
Surface Rehabilitation															
Leaving and seeding of cross country easement, per lin ft	\$50.00	\$50.00	\$40.00	\$40.00	\$10.00	\$300.00	\$49.00	\$18.00	\$15.00	\$300.00	\$30.00	\$30.00	\$115.00	\$62.50	(\$52.50)
Pavement Replacement (Local Streets)															
Temporary placement, 2" thick, trench width, per lin ft	\$0.01	\$13.00	\$9.50	\$12.00	\$15.00	\$18.00	\$17.00	\$12.50	\$14.00	\$18.00	\$15.00	\$8.00	\$15.00	\$13.40	(\$1.60)
Paving/recycling, curb to curb, per sq yd	\$3.50	\$4.50	\$2.45	\$4.75	\$4.00	\$2.00	\$2.95	\$4.00	\$3.50	\$3.50	\$5.00	\$5.00	\$3.50	\$3.50	\$1.00
Permanent pavement 2" binder course, curb to curb, per ton	\$75.00	\$60.00	\$82.00	\$79.00	\$79.00	\$95.00	\$85.00	\$85.00	\$80.00	\$82.00	\$82.00	\$75.00	\$80.00	\$80.00	(\$0.00)
Permanent pavement 1 1/2" top course (curb-to-curb), per ton	\$100.00	\$80.00	\$95.00	\$80.00	\$81.00	\$95.00	\$85.00	\$85.00	\$80.00	\$82.00	\$82.00	\$75.00	\$80.00	\$80.00	(\$0.00)
Additional pavement, per ton	\$100.00	\$0.01	\$85.00	\$80.00	\$110.00	\$0.01	\$150.00	\$100.00	\$100.00	\$85.00	\$85.00	\$80.00	\$80.00	\$80.00	(\$0.00)
Driveway aprons, per lin	\$100.00	\$150.00	\$140.00	\$150.00	\$125.00	\$250.00	\$150.00	\$215.00	\$175.00	\$150.00	\$100.00	\$80.00	\$80.00	\$75.00	(\$5.00)
Driveway replacement, per lin ft	\$30.00	\$30.00	\$28.00	\$35.00	\$32.00	\$0.01	\$39.00	\$37.00	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00	(\$0.00)
Gravel roadway replacement, per lin ft	\$10.00	\$4.00	\$7.00	\$14.50	\$18.00	\$10.00	\$7.95	\$14.00	\$12.00	\$15.00	\$10.00	\$5.00	\$15.00	\$10.50	(\$4.50)
Raising and adjusting castings, per casting	\$150.00	\$0.01	\$0.01	\$200.00	\$125.00	\$0.01	\$195.00	\$0.01	\$275.00	\$250.00	\$0.01	\$150.00	\$150.00	\$107.00	(\$43.00)
Thermoplastic pavement markings, per lin ft	\$0.50	\$0.49	\$0.55	\$0.55	\$0.35	\$0.01	\$0.50	\$0.45	\$0.45	\$0.50	\$0.30	\$0.65	\$0.75	\$0.47	(\$0.28)
Environmental Protection															
Calcium chloride, per pound	\$0.10	\$0.01	\$0.45	\$0.50	\$0.01	\$0.20	\$0.30	\$0.50	\$0.50	\$0.50	\$0.01	\$0.01	\$0.75	\$0.75	\$0.00
Baled hay or straw, per lin ft	\$7.00	\$3.00	\$4.45	\$4.00	\$4.00	\$4.00	\$4.50	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	\$0.00
Temporary silt fence, per lin ft	\$3.00	\$2.00	\$1.25	\$3.00	\$3.00	\$3.00	\$4.50	\$3.00	\$3.00	\$2.50	\$4.00	\$3.00	\$3.00	\$2.50	(\$0.50)
Grinder Pump Units															
Grinder pump units, complete, furnished only, each	\$3,500.00	\$3,500.00	\$3,500.00	\$3,700.00	\$3,100.00	\$2,100.00	\$4,785.00	\$3,250.00	\$3,500.00	\$4,000.00	\$3,500.00	\$3,750.00	\$3,700.00	\$3,635.00	(\$65.00)
Pump Stations and Appurtenance Work															
Musquash Avenue pump station, complete in place, lump sum	\$302,000.00	\$375,000.00	\$495,000.00	\$440,000.00	\$430,000.00	\$381,800.00	\$390,000.00	\$400,000.00	\$300,000.00	\$500,000.00	\$500,000.00	\$400,000.00	\$250,000.00	\$420,300.00	(\$179,700.00)
Special Construction															
Hathery Rd culvert crossing, complete in place, lump sum	\$26,000.00	\$30,000.00	\$13,500.00	\$25,000.00	\$18,500.00	\$10,000.00	\$17,000.00	\$10,000.00	\$10,000.00	\$17,000.00	\$20,000.00	\$20,000.00	\$19,000.00	\$19,400.00	(\$600.00)
Stone Ave sewer connection, complete in place, lump sum	\$14,500.00	\$2,500.00	\$4,500.00	\$3,000.00	\$7,500.00	\$5,000.00	\$17,000.00	\$3,150.00	\$7,500.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$5,210.00	(\$4,790.00)
Rain garden replacement, complete in place, lump sum	\$14,500.00	\$15,000.00	\$0.00	\$47,000.00	\$95,000.00	\$25,000.00	\$19,000.00	\$10,000.00	\$20,000.00	\$24,000.00	\$9,000.00	\$10,000.00	\$15,000.00	\$18,000.00	(\$3,000.00)
Mobilization (Schedule A)															
Mobilization, lump sum (not more than 5% total of items 1-14)	\$200,000.00	\$185,000.00	\$195,000.0												

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ITEM NO.	CONT. QTY.	DESCRIPTION	Alvarez Bros. Inc. Duxbury, MA		Roads Corporation N. Berwick, MA		P. Gibbs & Sons, Inc. Hyattsville, MD		Abruzzo DKS, Inc. Duxbury, MA		Revel Construction Co. North Reading, MA		J. D'Amico, Inc. Randolph, MA		C.P. & Sons Construction Co., Inc. Mills, MA		Engineering Estimate	
			UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
1a	25,000	Sewer and Drains, Complete in Place																
1b	3,200	6" PVC sewers, 0-12 ft deep, per lin ft	\$42.00	\$134,400.00	\$36.69	\$117,528.00	\$50.00	\$160,000.00	\$50.00	\$160,000.00	\$75.00	\$240,000.00	\$73.00	\$233,600.00	\$82.00	\$262,400.00	\$60.00	\$192,000.00
1c	600	10" PVC sewers, 0-12 ft deep, per lin ft	\$80.00	\$48,000.00	\$53.00	\$31,800.00	\$80.00	\$48,000.00	\$80.00	\$48,000.00	\$75.00	\$45,000.00	\$85.00	\$51,000.00	\$165.00	\$99,000.00	\$100.00	\$60,000.00
1d	700	12" PVC sewers, 0-12 ft deep, per lin ft	\$100.00	\$70,000.00	\$62.00	\$43,400.00	\$75.00	\$52,500.00	\$80.00	\$56,000.00	\$75.00	\$52,500.00	\$90.00	\$63,000.00	\$75.00	\$52,500.00	\$80.00	\$56,000.00
1e	1,400	6" PVC sewers, cross country easement, per lin ft	\$40.00	\$56,000.00	\$40.00	\$56,000.00	\$40.00	\$56,000.00	\$40.00	\$56,000.00	\$40.00	\$56,000.00	\$40.00	\$56,000.00	\$35.00	\$49,000.00	\$40.00	\$56,000.00
2a	350	86" Wye branches, per wye	\$100.00	\$35,000.00	\$40.00	\$14,000.00	\$30.00	\$10,500.00	\$100.00	\$35,000.00	\$100.00	\$35,000.00	\$100.00	\$35,000.00	\$28.00	\$9,800.00	\$70.00	\$24,500.00
2b	15	106" Wye branches, per wye	\$200.00	\$3,000.00	\$100.00	\$1,500.00	\$100.00	\$1,500.00	\$100.00	\$1,500.00	\$100.00	\$1,500.00	\$100.00	\$1,500.00	\$34.00	\$510.00	\$80.00	\$1,200.00
2c	375	6" chimeys, per vent ft	\$55.00	\$20,625.00	\$40.00	\$15,000.00	\$40.00	\$15,000.00	\$40.00	\$15,000.00	\$40.00	\$15,000.00	\$40.00	\$15,000.00	\$75.00	\$28,125.00	\$120.00	\$45,000.00
2d	9,500	6" PVC building connections, per lin ft	\$25.00	\$237,500.00	\$20.00	\$190,000.00	\$20.00	\$190,000.00	\$20.00	\$190,000.00	\$20.00	\$190,000.00	\$20.00	\$190,000.00	\$35.00	\$332,500.00	\$42.00	\$400,500.00
2e	10	Wye branches & adjoining fittings for pressure service connections to gravity sewer, per set	\$150.00	\$1,500.00	\$50.00	\$500.00	\$50.00	\$500.00	\$50.00	\$500.00	\$50.00	\$500.00	\$50.00	\$500.00	\$17.00	\$170.00	\$30.00	\$300.00
2f	165	Wye branches & adjoining fittings for pressure service connections to pressure main, per set	\$3,250.00	\$536,250.00	\$1,500.00	\$247,500.00	\$300.00	\$49,500.00	\$300.00	\$49,500.00	\$300.00	\$49,500.00	\$300.00	\$49,500.00	\$250.00	\$41,250.00	\$400.00	\$66,000.00
2g	25,000	1 1/2" pressure service connections, per lin ft	\$24.00	\$600.00	\$25.00	\$625.00	\$25.00	\$625.00	\$25.00	\$625.00	\$25.00	\$625.00	\$25.00	\$625.00	\$30.00	\$750.00	\$35.00	\$875.00
2h	75	Connections of 1 1/2" pressure services, connections to valve (installed by others), each	\$100.00	\$7,500.00	\$45.00	\$3,375.00	\$45.00	\$3,375.00	\$45.00	\$3,375.00	\$45.00	\$3,375.00	\$45.00	\$3,375.00	\$115.00	\$8,625.00	\$100.00	\$7,500.00
3a	450	4" PVC force main, trench alone, per lin ft	\$40.00	\$18,000.00	\$70.00	\$31,500.00	\$40.00	\$18,000.00	\$40.00	\$18,000.00	\$40.00	\$18,000.00	\$40.00	\$18,000.00	\$24.00	\$10,800.00	\$60.00	\$27,000.00
3b	2,750	4" PVC force main in sewer trench, per lin ft	\$30.00	\$82,500.00	\$23.00	\$63,250.00	\$40.00	\$110,000.00	\$40.00	\$110,000.00	\$40.00	\$110,000.00	\$40.00	\$110,000.00	\$35.00	\$96,250.00	\$42.00	\$115,750.00
3c	1,200	8" PVC force main in sewer trench, per lin ft	\$35.00	\$42,000.00	\$32.00	\$38,400.00	\$40.00	\$48,000.00	\$40.00	\$48,000.00	\$40.00	\$48,000.00	\$40.00	\$48,000.00	\$50.00	\$60,000.00	\$47.00	\$56,400.00
3d	18,200	2" PVC pressure sewer/force main, per lin ft	\$28.00	\$509,600.00	\$19.85	\$361,270.00	\$30.00	\$546,000.00	\$30.00	\$546,000.00	\$30.00	\$546,000.00	\$30.00	\$546,000.00	\$25.00	\$453,000.00	\$41.00	\$746,200.00
3e	2,800	3" PVC pressure sewer/force main, per lin ft	\$30.00	\$84,000.00	\$21.00	\$58,800.00	\$40.00	\$112,000.00	\$40.00	\$112,000.00	\$40.00	\$112,000.00	\$40.00	\$112,000.00	\$27.00	\$75,600.00	\$47.00	\$132,200.00
3f	28	Terminal flushing valve assembly, each	\$1,200.00	\$33,600.00	\$2,000.00	\$56,000.00	\$2,000.00	\$56,000.00	\$2,000.00	\$56,000.00	\$2,000.00	\$56,000.00	\$2,000.00	\$56,000.00	\$4,000.00	\$112,000.00	\$3,000.00	\$84,000.00
3g	26	In-line flushing/cleanout manholes, per manhole	\$2,500.00	\$65,000.00	\$1,100.00	\$28,600.00	\$2,500.00	\$65,000.00	\$2,500.00	\$65,000.00	\$2,500.00	\$65,000.00	\$2,500.00	\$65,000.00	\$4,000.00	\$104,000.00	\$3,000.00	\$78,000.00
3h	10	Pressure sewer air release valve assembly, each	\$15,000.00	\$150,000.00	\$15,000.00	\$150,000.00	\$200.00	\$2,000.00	\$400.00	\$4,000.00	\$400.00	\$4,000.00	\$400.00	\$4,000.00	\$5,000.00	\$50,000.00	\$3,500.00	\$35,000.00
3i	5	Force main cleaned & bypass manholes, per manhole	\$5,000.00	\$25,000.00	\$4,700.00	\$23,500.00	\$5,000.00	\$25,000.00	\$5,000.00	\$25,000.00	\$5,000.00	\$25,000.00	\$5,000.00	\$25,000.00	\$5,500.00	\$27,500.00	\$5,000.00	\$25,000.00
3j	3	Force main cleaned & bypass (w/PRV), per manhole	\$5,000.00	\$15,000.00	\$4,500.00	\$13,500.00	\$5,000.00	\$15,000.00	\$5,000.00	\$15,000.00	\$5,000.00	\$15,000.00	\$5,000.00	\$15,000.00	\$4,500.00	\$13,500.00	\$6,500.00	\$19,500.00
4a	700	6" PVC water main & fittings (Pickering S.), per lin ft	\$60.00	\$42,000.00	\$65.00	\$45,500.00	\$60.00	\$42,000.00	\$60.00	\$42,000.00	\$60.00	\$42,000.00	\$60.00	\$42,000.00	\$80.00	\$56,000.00	\$75.00	\$52,500.00
4b	50	6" PVC water main & fittings (Pickering S.), per lin ft	\$100.00	\$5,000.00	\$45.00	\$2,250.00	\$45.00	\$2,250.00	\$100.00	\$5,000.00	\$100.00	\$5,000.00	\$100.00	\$5,000.00	\$30.00	\$1,500.00	\$80.00	\$4,000.00
4c	5	8" gds valves, per valve	\$1,800.00	\$9,000.00	\$1,200.00	\$6,000.00	\$300.00	\$1,500.00	\$300.00	\$1,500.00	\$300.00	\$1,500.00	\$300.00	\$1,500.00	\$850.00	\$4,250.00	\$900.00	\$4,500.00
4d	5	8" gds valves, per valve	\$1,200.00	\$6,000.00	\$900.00	\$4,500.00	\$900.00	\$4,500.00	\$900.00	\$4,500.00	\$900.00	\$4,500.00	\$900.00	\$4,500.00	\$900.00	\$4,500.00	\$900.00	\$4,500.00
4e	750	Additional fittings, per pound	\$2.00	\$1,500.00	\$1.00	\$750.00	\$2.00	\$1,500.00	\$2.00	\$1,500.00	\$2.00	\$1,500.00	\$2.00	\$1,500.00	\$2.00	\$1,500.00	\$2.00	\$1,500.00
4f	3	Install new hydrants, each	\$3,000.00	\$9,000.00	\$2,000.00	\$6,000.00	\$3,000.00	\$9,000.00	\$3,000.00	\$9,000.00	\$3,000.00	\$9,000.00	\$3,000.00	\$9,000.00	\$2,500.00	\$7,500.00	\$2,500.00	\$7,500.00
4g	2,200	1" polyethylene pipe, per lin ft	\$25.00	\$55,000.00	\$12.00	\$26,400.00	\$25.00	\$55,000.00	\$25.00	\$55,000.00	\$25.00	\$55,000.00	\$25.00	\$55,000.00	\$20.00	\$44,000.00	\$35.00	\$77,000.00
4h	16	1" corporation stop, per stop	\$200.00	\$3,200.00	\$130.00	\$2,080.00	\$200.00	\$3,200.00	\$200.00	\$3,200.00	\$200.00	\$3,200.00	\$200.00	\$3,200.00	\$300.00	\$4,800.00	\$900.00	\$14,400.00
4i	65	1" curb stops, per stop	\$200.00	\$13,000.00	\$175.00	\$11,375.00	\$200.00	\$13,000.00	\$200.00	\$13,000.00	\$200.00	\$13,000.00	\$200.00	\$13,000.00	\$250.00	\$16,250.00	\$900.00	\$58,500.00
4j	55	Lead flange elbows, per elbow	\$100.00	\$5,500.00	\$125.00	\$6,875.00	\$100.00	\$5,500.00	\$100.00	\$5,500.00	\$100.00	\$5,500.00	\$100.00	\$5,500.00	\$150.00	\$8,250.00	\$275.00	\$15,125.00
4k	1	Insertion valve, complete in place, on existing 12" traverse water main, lump sum	\$7,500.00	\$7,500.00	\$14,500.00	\$14,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$14,000.00	\$14,000.00	\$25,000.00	\$25,000.00
5a	30,000	Trench rock excavation & disposal, per cu yd	\$50.00	\$1,500,000.00	\$50.00	\$1,500,000.00	\$50.00	\$1,500,000.00	\$50.00	\$1,500,000.00	\$50.00	\$1,500,000.00	\$50.00	\$1,500,000.00	\$50.00	\$1,500,000.00	\$50.00	\$1,500,000.00
5b	30,000	Trench rock excavation & disposal, per cu yd (rdd)	\$0.01	\$300.00	\$0.01	\$300.00	\$0.01	\$300.00	\$0.01	\$300.00	\$0.01	\$300.00	\$0.01	\$300.00	\$0.01	\$300.00	\$0.01	\$300.00

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ITEM NO.	QTY	DESCRIPTION	Alvarado Bros, Inc. Duxbury, MA		Rutledge Construction N. Duxbury, MA		P. Glorioso & Sons, Inc. Hyatt Park, MA		Alvarado D&S, Inc. Duxbury, MA		Rever Construction Co. North Reading, MA		J. D'Amico, Inc. Reading, MA		C.P. & Sons Construction Co., Inc. Mills, MA		Engineers Estimate			
			UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT		
6a	4,000	Miscellaneous Earthwork	\$0.01	\$40.00	\$40.00	\$160,000.00	\$0.01	\$40.00	\$0.01	\$40.00	\$0.01	\$40.00	\$0.01	\$40.00	\$0.01	\$40.00	\$0.00	\$20,000.00		
6b	1,600	Change in earthwork, over 12 in. deep, per cu yd	\$0.01	\$16.00	\$70.00	\$112,000.00	\$0.01	\$16.00	\$0.01	\$16.00	\$0.01	\$16.00	\$0.01	\$16.00	\$0.01	\$16.00	\$5.00	\$8,000.00		
6c	1,800	Earth excavation & backfill below normal grade, per cu yd	\$10.00	\$18,000.00	\$8.00	\$14,400.00	\$0.01	\$18.00	\$0.01	\$18.00	\$0.01	\$18.00	\$0.01	\$18.00	\$0.01	\$18.00	\$5.00	\$9,000.00		
6d	2,160	Earth excavation & backfill above normal grade, per cu yd	\$10.00	\$21,600.00	\$8.00	\$17,280.00	\$0.01	\$21.60	\$0.01	\$21.60	\$0.01	\$21.60	\$0.01	\$21.60	\$0.01	\$21.60	\$5.00	\$10,800.00		
6e	800	Additional crushed stone, per cu yd	\$10.00	\$8,000.00	\$2.00	\$1,600.00	\$0.01	\$8.00	\$0.01	\$8.00	\$0.01	\$8.00	\$0.01	\$8.00	\$0.01	\$8.00	\$5.00	\$4,000.00		
6f	32,550	Shredding, soft in place, per sq ft	\$0.01	\$325.50	\$16.00	\$520,800.00	\$0.01	\$325.50	\$0.01	\$325.50	\$0.01	\$325.50	\$0.01	\$325.50	\$0.01	\$325.50	\$5.00	\$1,627,500.00		
6g	1,000	Special pipe bedding, per lin ft	\$0.01	\$10.00	\$18.00	\$18,000.00	\$0.01	\$10.00	\$0.01	\$10.00	\$0.01	\$10.00	\$0.01	\$10.00	\$0.01	\$10.00	\$5.00	\$5,000.00		
6h	30	Bankfill clay dms., each	\$200.00	\$6,000.00	\$40.00	\$1,200.00	\$60.00	\$1,800.00	\$200.00	\$6,000.00	\$200.00	\$6,000.00	\$200.00	\$6,000.00	\$200.00	\$6,000.00	\$75.00	\$2,250.00		
6i	150	Concrete encasement, per cu yd	\$0.01	\$1.50	\$125.00	\$18,750.00	\$0.01	\$1.50	\$0.01	\$1.50	\$0.01	\$1.50	\$0.01	\$1.50	\$0.01	\$1.50	\$35.00	\$5,250.00		
7a	140	Prestress concrete manhole bases, standard frame & cover, 4.0' x 4.0' dia., per manhole	\$1,500.00	\$210,000.00	\$2.00	\$280.00	\$2.00	\$280.00	\$1,200.00	\$168,000.00	\$1,200.00	\$168,000.00	\$1,200.00	\$168,000.00	\$1,200.00	\$168,000.00	\$1,500.00	\$210,000.00		
7b	40	Prestress concrete manhole bases, wheelweight frame & cover, 4.0' x 4.0' dia., per manhole	\$1,700.00	\$68,000.00	\$3.00	\$120.00	\$1,400.00	\$56,000.00	\$1,400.00	\$56,000.00	\$1,400.00	\$56,000.00	\$1,400.00	\$56,000.00	\$1,400.00	\$56,000.00	\$1,900.00	\$76,000.00		
7c	1,800	Prestress concrete manhole wells & covers, 4.0' x 5.0' dia., per vert ft	\$50.00	\$90,000.00	\$30.00	\$54,000.00	\$110.00	\$198,000.00	\$110.00	\$198,000.00	\$110.00	\$198,000.00	\$110.00	\$198,000.00	\$110.00	\$198,000.00	\$90.00	\$162,000.00		
7d	7	Connection to existing sewers & structures, each	\$1,500.00	\$10,500.00	\$750.00	\$5,250.00	\$1,000.00	\$7,000.00	\$1,000.00	\$7,000.00	\$2,000.00	\$14,000.00	\$1,500.00	\$10,500.00	\$1,500.00	\$10,500.00	\$1,500.00	\$10,500.00		
7e	250	4" PVC stub & end cap, per set	\$20.00	\$5,000.00	\$20.00	\$5,000.00	\$50.00	\$12,500.00	\$50.00	\$12,500.00	\$50.00	\$12,500.00	\$50.00	\$12,500.00	\$50.00	\$12,500.00	\$20.00	\$5,000.00		
7f	70	8" drop connection, per vert ft	\$200.00	\$14,000.00	\$250.00	\$17,500.00	\$100.00	\$7,000.00	\$100.00	\$7,000.00	\$100.00	\$7,000.00	\$100.00	\$7,000.00	\$100.00	\$7,000.00	\$250.00	\$17,500.00		
7g	3	Manhole fail prevention system, per set	\$2,000.00	\$6,000.00	\$600.00	\$1,800.00	\$600.00	\$1,800.00	\$600.00	\$1,800.00	\$600.00	\$1,800.00	\$600.00	\$1,800.00	\$600.00	\$1,800.00	\$2,000.00	\$6,000.00		
8a	6,000	Normal dewatering, lamp sum	\$0.01	\$60.00	\$133.00	\$800.00	\$133.00	\$800.00	\$133.00	\$800.00	\$133.00	\$800.00	\$133.00	\$800.00	\$133.00	\$800.00	\$25.00	\$150,000.00		
8b	6,000	Special dewatering, per lin ft	\$0.01	\$60.00	\$7.50	\$45,000.00	\$0.01	\$60.00	\$0.01	\$60.00	\$0.01	\$60.00	\$0.01	\$60.00	\$0.01	\$60.00	\$5.00	\$30,000.00		
9a	2,200	Surface restoration of cross country areas, per lin ft	\$10.00	\$22,000.00	\$18.00	\$39,600.00	\$18.00	\$39,600.00	\$18.00	\$39,600.00	\$18.00	\$39,600.00	\$18.00	\$39,600.00	\$18.00	\$39,600.00	\$22.00	\$48,400.00		
9b	27,000	Surface restoration over 1 1/2" pressure sewer service connection, per lin ft	\$3.00	\$81,000.00	\$7.50	\$202,500.00	\$7.50	\$202,500.00	\$11.00	\$297,000.00	\$5.00	\$135,000.00	\$12.00	\$324,000.00	\$10.00	\$270,000.00	\$15.00	\$405,000.00		
10a	6,300	Pavement Replacement (Local Streets) per lin ft	\$63.00	\$397,800.00	\$8.50	\$53,550.00	\$0.01	\$63.00	\$0.01	\$63.00	\$0.01	\$63.00	\$0.01	\$63.00	\$0.01	\$63.00	\$9.00	\$56,700.00		
10b	37,850	Permanent pavement, 2" binder course, trench width, (single pipe trench), per lin ft	\$10.00	\$378,500.00	\$8.25	\$312,262.50	\$8.00	\$302,800.00	\$10.00	\$378,500.00	\$10.00	\$378,500.00	\$16.00	\$605,600.00	\$15.00	\$567,750.00	\$9.50	\$358,575.00	\$9.00	\$340,650.00
10c	3,500	Permanent pavement, 2" binder course, trench width, (double pipe trench), per lin ft	\$10.00	\$35,000.00	\$8.69	\$30,415.00	\$8.00	\$28,000.00	\$8.00	\$28,000.00	\$12.00	\$42,000.00	\$8.00	\$28,000.00	\$20.00	\$70,000.00	\$11.00	\$38,500.00	\$9.00	\$31,500.00
10d	4,000	Pavement replacement with permanent pavement, 2" full width binder course, per lin ft	\$12.00	\$48,000.00	\$41.63	\$166,520.00	\$30.00	\$120,000.00	\$30.00	\$120,000.00	\$13.00	\$52,000.00	\$20.00	\$80,000.00	\$20.00	\$80,000.00	\$24.00	\$96,000.00	\$8.00	\$32,000.00
10e	19,200	Permanent pavement, 1 1/2" top course, trench width, (single pipe trench), per lin ft	\$8.00	\$153,600.00	\$3.05	\$57,600.00	\$6.50	\$124,800.00	\$6.50	\$124,800.00	\$4.50	\$86,400.00	\$12.00	\$230,400.00	\$5.00	\$96,000.00	\$8.00	\$153,600.00	\$6.00	\$115,200.00
10f	1,500	Permanent pavement, 1 1/2" top course, trench width, (double pipe trench), per lin ft	\$10.00	\$15,000.00	\$8.01	\$12,015.00	\$8.50	\$12,750.00	\$8.50	\$12,750.00	\$6.00	\$9,000.00	\$7.00	\$10,500.00	\$8.00	\$11,200.00	\$9.00	\$13,500.00	\$9.00	\$13,500.00
10g	23,500	Permanent pavement, 1 1/2" full width top course, per lin ft	\$10.00	\$235,000.00	\$10.50	\$246,750.00	\$12.00	\$282,000.00	\$12.00	\$282,000.00	\$12.00	\$282,000.00	\$13.00	\$304,500.00	\$15.00	\$352,500.00	\$14.00	\$329,000.00	\$10.50	\$246,750.00
10h	4,800	Street road replacement, per sq yd	\$2.00	\$9,600.00	\$13.00	\$62,400.00	\$5.00	\$24,000.00	\$5.00	\$24,000.00	\$3.00	\$14,400.00	\$5.00	\$24,000.00	\$5.00	\$24,000.00	\$12.00	\$57,600.00	\$7.00	\$33,600.00
10i	1,000	Additional pavement, per lin ft	\$0.01	\$10.00	\$45.00	\$45,000.00	\$45.00	\$45,000.00	\$45.00	\$45,000.00	\$45.00	\$45,000.00	\$45.00	\$45,000.00	\$45.00	\$45,000.00	\$45.00	\$45,000.00	\$45.00	\$45,000.00
11a	2,850	Permanent pavement, 1 1/2" binder course trench width, (single pipe trench), per lin ft	\$10.00	\$28,500.00	\$5.80	\$16,530.00	\$7.00	\$19,950.00	\$7.00	\$19,950.00	\$8.00	\$22,800.00	\$15.00	\$42,750.00	\$15.00	\$42,750.00	\$8.00	\$22,800.00	\$10.00	\$28,500.00
11b	520	Permanent pavement, 1 1/2" binder course trench width, (double pipe trench), per lin ft	\$10.00	\$5,200.00	\$5.40	\$2,808.00	\$7.00	\$3,640.00	\$7.00	\$3,640.00	\$10.00	\$5,200.00	\$20.00	\$10,400.00	\$22.00	\$11,440.00	\$12.00	\$6,240.00	\$11.00	\$5,720.00

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ITEM NO.	CONT. QUAN.	DESCRIPTION	Alconess Bros. Inc. Duxbury, MA		Procter Construction N. Billerica, MA		P. Glavin & Sons, Inc. Hyde Park, MA		Albright D&S, Inc. Duxbury, MA		Reval Construction Co. North Reading, MA		J. Daniels, Inc. Randolph, MA		C.P. & Sons Construction Co., Inc. Mills, MA		Engineers Estimate						
			UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT					
11c	3,178	Permanent pavement, 4" bituminous concrete base course, per sq ft	\$18.00	\$57,204.00	\$19.00	\$60,360.00	\$22.00	\$69,924.00	\$25.00	\$79,458.00	\$28.00	\$89,022.00	\$30.00	\$95,646.00	\$10.00	\$31,780.00	\$10.00	\$31,780.00					
11d	3,180	Permanent pavement, 1 1/2" full width top course, per sq ft	\$10.00	\$31,800.00	\$10.50	\$33,495.00	\$24.00	\$76,320.00	\$15.50	\$49,290.00	\$20.00	\$63,660.00	\$20.00	\$63,660.00	\$7.00	\$22,314.00	\$11.50	\$36,666.00	\$11.50	\$36,666.00			
11e	100	Additional pavement, per ton	\$50.00	\$5,000.00	\$78.00	\$7,800.00	\$43.00	\$4,300.00	\$59.00	\$5,900.00	\$59.00	\$5,900.00	\$50.00	\$5,000.00	\$45.00	\$4,500.00	\$58.00	\$5,800.00	\$58.00	\$5,800.00			
12a	26	Reconstruction of marked AC wall/malis, each	\$2,000.00	\$52,000.00	\$1,200.00	\$31,200.00	\$1,000.00	\$26,000.00	\$2,000.00	\$52,000.00	\$2,000.00	\$52,000.00	\$2,500.00	\$65,000.00	\$1,000.00	\$26,000.00	\$1,000.00	\$26,000.00	\$1,000.00	\$26,000.00			
12b	1	Culvert replacement - County Road, lump sum	\$25,000.00	\$25,000.00	\$45,000.00	\$45,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$55,000.00	\$55,000.00	\$50,000.00	\$50,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00			
12c	1	Pressure sewer bridge crossing at #106 Western Ave., lump sum	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00			
12d	1	Wintthrop St/Walth St, Intersection reconstruction, complete, lump sum	\$20,000.00	\$20,000.00	\$45,000.00	\$45,000.00	\$52,000.00	\$52,000.00	\$54,000.00	\$54,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00			
13a	61,200	Calcium Chloride, per pound	\$0.01	\$612.00	\$0.05	\$3,060.00	\$0.30	\$18,360.00	\$0.50	\$30,600.00	\$0.50	\$30,600.00	\$0.50	\$30,600.00	\$0.01	\$612.00	\$0.50	\$30,600.00	\$0.50	\$30,600.00	\$0.50	\$30,600.00	
13b	6,500	Baled hay, per horse	\$12.00	\$78,000.00	\$11.00	\$71,500.00	\$5.00	\$32,500.00	\$5.00	\$32,500.00	\$5.00	\$32,500.00	\$5.00	\$32,500.00	\$15.00	\$97,500.00	\$10.00	\$65,000.00	\$10.00	\$65,000.00	\$10.00	\$65,000.00	
13c	19,000	Temporary silt fence, per sq ft	\$2.00	\$38,000.00	\$3.00	\$57,000.00	\$2.00	\$38,000.00	\$3.00	\$57,000.00	\$3.00	\$57,000.00	\$2.00	\$38,000.00	\$2.00	\$38,000.00	\$3.00	\$57,000.00	\$3.00	\$57,000.00	\$3.00	\$57,000.00	
14a	220	Simplex grinder pumps, complete in place, per grinder pump	\$5,000.00	\$1,100,000.00	\$3,500.00	\$770,000.00	\$5,000.00	\$1,100,000.00	\$5,000.00	\$1,100,000.00	\$5,000.00	\$1,100,000.00	\$3,800.00	\$836,000.00	\$8,000.00	\$1,760,000.00	\$5,500.00	\$1,210,000.00	\$5,500.00	\$1,210,000.00	\$5,500.00	\$1,210,000.00	
14b	6	Duplex grinder pumps (non-traffic areas), complete in place, per grinder pump	\$10,000.00	\$60,000.00	\$13,680.00	\$82,080.00	\$12,500.00	\$75,000.00	\$13,000.00	\$78,000.00	\$13,000.00	\$78,000.00	\$15,000.00	\$90,000.00	\$15,000.00	\$90,000.00	\$16,000.00	\$96,000.00	\$16,000.00	\$96,000.00	\$16,000.00	\$96,000.00	
14c	13	Duplex grinder pumps (traffic areas), complete in place, per grinder pumps	\$10,000.00	\$130,000.00	\$12,100.00	\$157,300.00	\$12,200.00	\$158,600.00	\$13,000.00	\$169,000.00	\$13,000.00	\$169,000.00	\$8,000.00	\$104,000.00	\$12,000.00	\$156,000.00	\$12,000.00	\$156,000.00	\$12,000.00	\$156,000.00	\$12,000.00	\$156,000.00	
14d	1	Spore pits for grinder pumps, lump sum	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00	\$16,000.00	\$16,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00		
15a	1	Mobilization, lump sum	\$400,000.00	\$400,000.00	\$425,000.00	\$425,000.00	\$465,000.00	\$465,000.00	\$449,772.50	\$449,772.50	\$520,000.00	\$520,000.00	\$500,000.00	\$500,000.00	\$525,000.00	\$525,000.00	\$525,000.00	\$525,000.00	\$525,000.00	\$525,000.00	\$525,000.00		
		Total of Base Bid	\$14,446,293.01		\$8,287,712.50		\$9,892,530.50		\$10,217,687.00		\$10,596,942.00		\$11,269,946.00		\$12,697,143.00		\$16,464,738.50		\$16,464,738.50		\$16,464,738.50		
		Alternate A																					
1b	4,500	Pavement Replacement (State Highway)	\$45.00	\$202,500.00	\$45.00	\$202,500.00	\$45.00	\$202,500.00	\$45.00	\$202,500.00	\$45.00	\$202,500.00	\$45.00	\$202,500.00	\$45.00	\$202,500.00	\$45.00	\$202,500.00	\$45.00	\$202,500.00	\$45.00	\$202,500.00	
1b	4,500	Control ditch (ft, per cu yd) (minimum)	\$0.01	\$45.00	\$0.01	\$45.00	\$0.01	\$45.00	\$0.01	\$45.00	\$0.01	\$45.00	\$0.01	\$45.00	\$0.01	\$45.00	\$0.01	\$45.00	\$0.01	\$45.00	\$0.01	\$45.00	
		Total of Alternate A	\$202,545.00		\$202,545.00		\$202,545.00		\$202,545.00		\$202,545.00		\$202,545.00		\$202,545.00		\$202,545.00		\$202,545.00		\$202,545.00		
		Total of Base Bid plus Alternate A	\$16,647,234.01		\$9,690,257.50		\$10,095,075.50		\$10,420,232.00		\$10,800,487.00		\$11,269,946.00		\$12,900,288.00		\$16,670,283.50		\$16,670,283.50		\$16,670,283.50		\$16,670,283.50

*Corrected oxidation error in bid calculation.

Avg. G.P. cost = \$5,000