

General Info		
Number:	650870-100001	
Description:	Blueprint Clintonville: Blenheim/Glencoe Integrated Solutions CIP 650870-100001 and Acton Road Area Water Line Improvements CIP 690236-100061	
Deadline:	2017-05-17 19:00:00 UTC	
Business	Bid Alternate Total	Bid Total
John Eramo & Sons, Inc	\$2,000.00	\$13,621,530.79
Shelly & Sands, Inc.	\$2,750.00	\$15,401,506.94
Trucco Construction Co., Inc.	\$3,800.00	\$16,845,833.05

ORD #1536-2017, Division of Sewers & Drains & Water, Public Service Dept.
Blueprint Clintonville: Blenheim/Glencoe Integrated Solution & Acton Road Area Water Line Imp's
C.I.P. No's: 650870-100001 (DOSD); 690236-100061 (DOW); 530282-100117 (DPS)
Bid Tabulation, Opened 5/17/17

					Engineer's Estimate		John Eramo & Sons, Inc			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
Group No. 1: CC-17120 Blenheim/Glencoe Integrated Solution, CIP 650870-100001 WPCLF Loan Funded (SEWER)										
1	201	Clearing and Grubbing	1	LS	\$50,000.00	\$50,000.00	no	\$0.00	\$40,000.00	\$40,000.00
2	201	Tree Removed, 18 inch Size	12	EA	\$600.00	\$7,200.00	no	\$0.00	\$700.00	\$8,400.00
3	201	Tree Removed, 30 inch Size	2	EA	\$800.00	\$1,600.00	no	\$0.00	\$1,500.00	\$3,000.00
4	201	Tree Removed, Less than 18 inch Size	22	EA	\$400.00	\$8,800.00	no	\$0.00	\$175.00	\$3,850.00
5	202	Bench Removed and Disposed	2	EA	\$200.00	\$400.00	no	\$0.00	\$40.00	\$80.00
6	202	Bike Path Removed, including Subbase	5,160	SF	\$10.00	\$51,600.00	no	\$0.00	\$0.50	\$2,580.00
7	202	Catch Basin or Inlet Abandoned	4	EA	\$350.00	\$1,400.00	no	\$100.00	\$375.00	\$1,900.00
8	202	Catch Basin or Inlet Removed	8	EA	\$400.00	\$3,200.00	no	\$0.00	\$290.00	\$2,320.00
9	202	Curb and Gutter Removed	565	LF	\$5.50	\$3,107.50	no	\$0.00	\$12.00	\$6,780.00
10	202	Curb Removed, Straight 18"	5,820	LF	\$5.00	\$29,100.00	no	\$0.00	\$6.00	\$34,920.00
11	202	Fence Removed (Chain Link) and Disposed	175	LF	\$10.00	\$1,750.00	no	\$0.00	\$4.00	\$700.00
12	202	Flower Bed Removed	4	EA	\$90.00	\$360.00	no	\$0.00	\$300.00	\$1,200.00
13	202	Manhole Abandoned	10	EA	\$800.00	\$8,000.00	no	\$150.00	\$500.00	\$6,500.00
14	202	Manhole Removed	10	EA	\$900.00	\$9,000.00	no	\$0.00	\$630.00	\$6,300.00
15	202	Pipe Filled in Place	3,456	LF	\$15.00	\$51,840.00	no	\$2.00	\$5.00	\$24,192.00
16	202	Pipe Removed	2,029	LF	\$30.00	\$60,870.00	no	\$0.00	\$10.00	\$20,290.00
17	202	Walk Removed	5,084	SF	\$4.00	\$20,336.00	no	\$0.00	\$0.50	\$2,542.00
18	203	Excavation/Embankment (Bike Path)	150	CY	\$25.00	\$3,750.00	no	\$0.00	\$38.00	\$5,700.00
19	204	Subgrade Compaction	590	SY	\$3.25	\$1,917.50	no	\$0.00	\$2.00	\$1,180.00
20	207	Construction Seeding & Mulching (If Authorized)	24,475	SY	\$2.50	\$61,187.50	no	\$0.25	\$0.75	\$24,475.00
21	207	Inlet Protection	94	EA	\$115.00	\$10,810.00	no	\$40.00	\$40.00	\$7,520.00
22	207	Non-woven Geotextile Fabric	420	SY	\$4.00	\$1,680.00	no	\$1.00	\$1.00	\$840.00
23	207	Perimeter Filter Fabric Fence	21,322	LF	\$2.50	\$53,305.00	no	\$0.25	\$0.75	\$21,322.00
24	207	Stabilized Construction Entrance	198	SY	\$30.00	\$5,940.00	no	\$5.00	\$9.00	\$2,772.00
25	254	Planing, Asphalt Concrete	26,930	SY	\$2.50	\$67,325.00	no	\$0.00	\$2.40	\$64,632.00
26	259	Driveway Pavement Replacement, per 2201	2	CY	\$300.00	\$600.00	no	\$300.00	\$180.00	\$960.00
27	259	Driveway Pavement Replacement, Type IIIA	17	CY	\$350.00	\$5,950.00	no	\$150.00	\$450.00	\$10,200.00
28	259	Driveway Pavement Replacement, Type IIIB	148	CY	\$650.00	\$96,200.00	no	\$300.00	\$180.00	\$71,040.00
29	259	Permanent Pavement with Heat Weld, Per 1441	73	CY	\$350.00	\$25,550.00	no	\$280.00	\$470.00	\$54,750.00
30	259	Permanent Pavement without Heat Weld, Per 1441	1,647	CY	\$350.00	\$576,450.00	no	\$150.00	\$165.00	\$518,805.00
31	304	Aggregate Base, 6"	99	CY	\$60.00	\$5,940.00	no	\$25.00	\$49.00	\$7,326.00
32	448	Asphalt Concrete, Intermediate Course (Medium Traffic), PG70-22M	113	CY	\$200.00	\$22,600.00	no	\$70.00	\$98.00	\$18,984.00
33	448	Asphalt Concrete, Surface Course (Light Traffic), PG64-22	58	CY	\$130.00	\$7,540.00	no	\$70.00	\$160.00	\$13,340.00
34	448	Asphalt Concrete, Surface Course (Medium Traffic), PG64-22	1,082	CY	\$135.00	\$146,070.00	no	\$70.00	\$120.00	\$205,580.00
35	601	No. 57 Aggregate, Washed	875	CY	\$45.00	\$39,375.00	no	\$25.00	\$35.00	\$52,500.00
36	601	No. 8 Aggregate, Washed	219	CY	\$45.00	\$9,855.00	no	\$35.00	\$105.00	\$30,660.00

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Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
37	601	Rock Channel Protection, Type C with Filter	4	CY	\$100.00	\$400.00	no	\$40.00	\$60.00	\$400.00
38	603	4" Conduit, Type E (720.08) (If Authorized)	100	LF	\$8.50	\$850.00	no	\$5.00	\$20.00	\$2,500.00
39	604	Catch Basin, Modified (Stormwater Wetland Outlet Structure)	1	EA	\$1,500.00	\$1,500.00	no	\$1,500.00	\$2,000.00	\$3,500.00
40	604	Curb Inlet Manhole (AA-S121)	1	EA	\$2,000.00	\$2,000.00	no	\$1,000.00	\$1,100.00	\$2,100.00
41	604	Endwall, 12" (AA-S169)	2	EA	\$1,000.00	\$2,000.00	no	\$500.00	\$625.00	\$2,250.00
42	604	Inlet Adjusted to Grade	9	EA	\$600.00	\$5,400.00	no	\$200.00	\$400.00	\$5,400.00
43	604	Manhole Adjusted to Grade (w/ Adjustment Ring)	54	EA	\$600.00	\$32,400.00	no	\$200.00	\$450.00	\$35,100.00
44	604	Manhole, Type C, 48" Base	71	EA	\$2,750.00	\$195,250.00	no	\$1,000.00	\$1,600.00	\$184,600.00
45	604	Manhole, Type C, 60" Base	11	EA	\$3,000.00	\$33,000.00	no	\$1,200.00	\$2,100.00	\$36,300.00
46	604	Manhole, Type C, 72" Base	9	EA	\$4,000.00	\$36,000.00	no	\$1,800.00	\$2,400.00	\$37,800.00
47	604	Manhole, Type E	1	EA	\$5,000.00	\$5,000.00	no	\$2,500.00	\$5,300.00	\$7,800.00
48	604	Standard Catch Basin (AA-S133B)	2	EA	\$1,400.00	\$2,800.00	no	\$600.00	\$800.00	\$2,800.00
49	604	Standard Curb and Gutter Inlet (AA-S125A)	5	EA	\$2,400.00	\$12,000.00	no	\$700.00	\$800.00	\$7,500.00
50	605	4" Pipe Underdrains	5,790	LF	\$8.50	\$49,215.00	no	\$3.00	\$4.50	\$43,425.00
51	605	8-Inch Schedule 80 Perforated PVC Underdrain & Fittings	2,982	LF	\$25.00	\$74,550.00	no	\$12.00	\$20.00	\$95,424.00
52	605	8-Inch Schedule 80 PVC Underdrain & Fittings (including Cleanouts and Standpipe)	3,656	LF	\$25.00	\$91,400.00	no	\$30.00	\$70.00	\$365,600.00
53	608	Concrete Walk (4")	5,084	SF	\$6.00	\$30,504.00	no	\$4.00	\$3.25	\$36,859.00
54	608	Concrete Walk (4") (If Authorized)	5,000	SF	\$6.00	\$30,000.00	no	\$4.00	\$3.25	\$36,250.00
55	609	Combination Curb and Gutter, Type Standard, Per 2010	565	LF	\$30.00	\$16,950.00	no	\$6.00	\$8.00	\$7,910.00
56	609	Curb, Straight 18"	5,820	LF	\$25.00	\$145,500.00	no	\$6.00	\$6.50	\$72,750.00
57	614	Maintaining Traffic	1	LS	\$100,000.00	\$100,000.00	no	\$0.00	\$150,000.00	\$150,000.00
58	616	Water	20	MG	\$40.00	\$800.00	no	\$50.00	\$50.00	\$2,000.00
59	623	Construction Layout Stakes	1	LS	\$50,000.00	\$50,000.00	no	\$0.00	\$100,000.00	\$100,000.00
60	624	Mobilization	1	LS	\$100,000.00	\$100,000.00	no	\$0.00	\$400,000.00	\$400,000.00
61	630	2.5 inch Street Name Sign Support	2	EA	\$500.00	\$1,000.00	no	\$250.00	\$400.00	\$1,300.00
62	630	Ground Mounted Support, 3# Post	111	LF	\$10.00	\$1,110.00	no	\$9.00	\$7.00	\$1,776.00
63	630	Removal of Ground Mounted Sign and Disposal	14	EA	\$25.00	\$350.00	no	\$0.00	\$40.00	\$560.00
64	630	Removal of Ground Mounted Support and Disposal	14	EA	\$25.00	\$350.00	no	\$0.00	\$40.00	\$560.00
65	630	Sign, Flat Sheet	50	SF	\$25.00	\$1,250.00	no	\$15.00	\$11.00	\$1,300.00
66	630	Street Name Sign	3	SF	\$25.00	\$75.00	no	\$100.00	\$115.00	\$645.00
67	644	Center Line, 5"	284	LF	\$2.25	\$639.00	no	\$1.00	\$1.00	\$568.00
68	644	Crosswalk Line, 10'	74	LF	\$2.75	\$203.50	no	\$1.00	\$2.00	\$222.00
69	644	Lane Line, 5'	69	LF	\$0.50	\$34.50	no	\$0.25	\$0.75	\$69.00
70	644	Stop Line, 20"	28	LF	\$11.00	\$308.00	no	\$2.00	\$4.00	\$168.00
71	647	Shared Lane Marking, Type B90	1	EA	\$250.00	\$250.00	no	\$100.00	\$275.00	\$375.00
72	647	Speed Hump Marking	2	EA	\$175.00	\$350.00	no	\$50.00	\$90.00	\$280.00
73	653	Topsoil Furnished and Placed	2,718	CY	\$45.00	\$122,310.00	no	\$20.00	\$20.00	\$108,720.00
74	659	Native Seeding and Mulching, Per Plan	6,901	SY	\$3.50	\$24,153.50	no	\$0.50	\$0.50	\$6,901.00
75	659	Seeding and Mulching	17,568	SY	\$2.50	\$43,920.00	no	\$0.50	\$1.50	\$35,136.00
76	661	Deciduous Shrub, 3 Gal, Per Plan	153	EA	\$50.00	\$7,650.00	no	\$15.00	\$30.00	\$6,885.00
77	661	Ornamental Grasses, 3 Gal, Per Plan	2,902	EA	\$25.00	\$72,550.00	no	\$12.00	\$18.00	\$87,060.00
78	661	Perennials, 1 Gal, Per Plan	215	EA	\$15.00	\$3,225.00	no	\$6.00	\$10.00	\$3,440.00

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79	661	Perennials, 3 Gal, Per Plan	2,686	EA	\$25.00	\$67,150.00	no	\$15.00	\$11.00	\$69,836.00
80	661	Sedges, 1 Gal, Per Plan	150	EA	\$15.00	\$2,250.00	no	\$6.00	\$14.00	\$3,000.00
81	662	Landscape Watering	22,668	GAL	\$0.75	\$17,001.00	no	\$0.25	\$0.75	\$22,668.00
82	670	Slope Erosion Protection Mat	22	SY	\$4.50	\$99.00	no	\$5.00	\$20.00	\$550.00
83	801	12 Inch Water Pipe and Fittings	52	LF	\$350.00	\$18,200.00	no	\$75.00	\$275.00	\$18,200.00
84	801	6 Inch Water Pipe and Fittings	766	LF	\$90.00	\$68,940.00	no	\$60.00	\$110.00	\$130,220.00
85	801	8 Inch Water Pipe and Fittings	1,912	LF	\$100.00	\$191,200.00	no	\$65.00	\$115.00	\$344,160.00
86	801	Concrete Blocking Class C, Increase or Decrease (If Authorized)	139	CY	\$125.00	\$17,375.00	no	\$75.00	\$0.00	\$10,425.00
87	801	Ductile Iron Fittings, Increase or Decrease (If Authorized)	9,365	LB	\$2.50	\$23,412.50	no	\$2.00	\$0.00	\$18,730.00
88	802	6 Inch Valve and Appurtenances	5	EA	\$1,305.00	\$6,525.00	no	\$900.00	\$600.00	\$7,500.00
89	802	8 Inch Valve and Appurtenances	4	EA	\$1,650.00	\$6,600.00	no	\$1,100.00	\$600.00	\$6,800.00
90	805	1 Inch Water Service Tap, Transferred	9	EA	\$2,000.00	\$18,000.00	no	\$700.00	\$1,000.00	\$15,300.00
91	805	1 Inch Water Service Tap, Transferred (If Authorized)	5	EA	\$2,000.00	\$10,000.00	no	\$700.00	\$1,000.00	\$8,500.00
92	805	3/4 Inch Water Service Tap, Transferred	78	EA	\$1,600.00	\$124,800.00	no	\$650.00	\$750.00	\$109,200.00
93	805	3/4 Inch Water Service Tap, Transferred (If Authorized)	15	EA	\$1,600.00	\$24,000.00	no	\$650.00	\$750.00	\$21,000.00
94	807	Valve Boxes Adjusted to Grade	5	EA	\$200.00	\$1,000.00	no	\$100.00	\$100.00	\$1,000.00
95	808	Cut and Plug (Cap) 12 Inch Water Line	2	EA	\$2,000.00	\$4,000.00	no	\$0.00	\$1,500.00	\$3,000.00
96	808	Cut and Plug (Cap) 6 Inch Water Line	28	EA	\$2,000.00	\$56,000.00	no	\$0.00	\$1,500.00	\$42,000.00
97	809	Fire Hydrant	5	EA	\$2,700.00	\$13,500.00	no	\$2,000.00	\$1,200.00	\$16,000.00
98	810	6 Inch Fire Hydrant Extension (If Authorized)	5	EA	\$450.00	\$2,250.00	no	\$250.00	\$150.00	\$2,000.00
99	811	Increase or Decrease in Excavation and Backfill (If Authorized)	331	CY	\$25.00	\$8,275.00	no	\$0.00	\$40.00	\$13,240.00
100	816	1 Inch Water Service Tap, Relocated	12	EA	\$925.00	\$11,100.00	no	\$700.00	\$1,700.00	\$28,800.00
101	816	1 Inch Water Service Tap, Relocated (If Authorized)	5	EA	\$925.00	\$4,625.00	no	\$700.00	\$1,700.00	\$12,000.00
102	816	3/4 Inch Water Service Tap, Relocated	91	EA	\$800.00	\$72,800.00	no	\$650.00	\$1,950.00	\$236,600.00
103	816	3/4 Inch Water Service Tap, Relocated (If Authorized)	15	EA	\$800.00	\$12,000.00	no	\$650.00	\$1,950.00	\$39,000.00
104	901	12 Inch Pipe, RCP, with Type I Bedding and Item 911	2,165	LF	\$60.00	\$129,900.00	no	\$20.00	\$64.00	\$181,860.00
105	901	12 Inch Pipe, C900, with Type I Bedding and Item 912	193	LF	\$115.00	\$22,195.00	no	\$40.00	\$80.00	\$23,160.00
106	901	12 Inch Pipe, RCP, with Type I Bedding and Item 912	682	LF	\$75.00	\$51,150.00	no	\$35.00	\$92.00	\$86,614.00
107	901	15 Inch Pipe, C905, with Type I Bedding and Item 912	555	LF	\$125.00	\$69,375.00	no	\$45.00	\$73.00	\$65,490.00
108	901	15 Inch Pipe, RCP, with Type I Bedding and Item 912	28	LF	\$85.00	\$2,380.00	no	\$40.00	\$178.00	\$6,104.00
109	901	18 Inch Pipe, C905, with Type I Bedding and Item 912	130	LF	\$150.00	\$19,500.00	no	\$50.00	\$80.00	\$16,900.00
110	901	18 Inch Pipe, RCP, with Type I Bedding and Item 912	220	LF	\$125.00	\$27,500.00	no	\$45.00	\$80.00	\$27,500.00
111	901	24 Inch Pipe, C905, with Type I Bedding and Item 912	362	LF	\$175.00	\$63,350.00	no	\$70.00	\$125.00	\$70,590.00
112	901	24 Inch Pipe, RCP, with Type I Bedding and Item 912	175	LF	\$150.00	\$26,250.00	no	\$60.00	\$90.00	\$26,250.00
113	901	29 Inch x 45 Inch Elliptical Pipe with Gasketed Joints, RCP, with Type I Bedding and Item 912	49	LF	\$300.00	\$14,700.00	no	\$180.00	\$320.00	\$24,500.00
114	901	30 Inch Pipe, RCP, with Type I Bedding and Item 912	1,254	LF	\$150.00	\$188,100.00	no	\$80.00	\$120.00	\$250,800.00
115	901	36 Inch Pipe, C905, with Type I Bedding and Item 912	1,190	LF	\$225.00	\$267,750.00	no	\$120.00	\$160.00	\$333,200.00
116	901	36 Inch Pipe, RCP, with Type I Bedding and Item 912	1,329	LF	\$175.00	\$232,575.00	no	\$100.00	\$145.00	\$325,605.00
117	901	8 Inch Pipe, C900, with Type I Bedding and Item 912	10,531	LF	\$35.00	\$368,585.00	no	\$20.00	\$80.00	\$1,053,100.00
118	903	Rock Excavation (If Authorized)	25	CY	\$75.00	\$1,875.00	no	\$0.00	\$250.00	\$6,250.00
119	906	Stone Foundation (If Authorized)	25	CY	\$50.00	\$1,250.00	no	\$20.00	\$20.00	\$1,000.00

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120	910	Plain Concrete Encasement of 36" Pipe	980	LF	\$50.00	\$49,000.00	no	\$40.00	\$10.00	\$49,000.00
121	1001	Circuit Cable (Underground), MIS-14	12,160	LF	\$3.00	\$36,480.00	no	\$1.00	\$2.00	\$36,480.00
122	1001	Conduit, MIS-18 (If Authorized)	12,160	LF	\$10.00	\$121,600.00	no	\$2.00	\$8.00	\$121,600.00
123	1602	Excavation for Green Infrastructure Facilities	9,310	CY	\$25.00	\$232,750.00	no	\$0.00	\$38.00	\$353,780.00
124	1603	Tree Protection Fencing, Per Plan	11,001	LF	\$10.00	\$110,010.00	no	\$0.25	\$1.75	\$22,002.00
125	1604	Bioretention Mulch	5,884	CF	\$2.25	\$13,239.00	no	\$1.00	\$2.25	\$19,123.00
126	1604	Bioretention Soil	57,311	CF	\$2.00	\$114,622.00	no	\$1.00	\$3.00	\$229,244.00
127	1604	Edging, PVC/Steel	10,549	LF	\$2.50	\$26,372.50	no	\$4.00	\$4.00	\$84,392.00
128	1609	Green Infrastructure Period of Establishment Season 2	1	LS	\$100,000.00	\$100,000.00	no	\$0.00	\$60,000.00	\$60,000.00
129	SPEC	22' Speed Hump	2	EA	\$5,000.00	\$10,000.00	no	\$2,000.00	\$4,000.00	\$12,000.00
130	SPEC	8" Gate Valve with Housing (ASAHI-America GT-A, or approved equal)	226	EA	\$1,700.00	\$384,200.00	no	\$1,500.00	\$500.00	\$452,000.00
131	SPEC	Anti-Infiltration and Inflow Barrier, Type A	6	EA	\$140.00	\$840.00	no	\$0.00	\$300.00	\$1,800.00
132	SPEC	Anti-Infiltration and Inflow Barrier, Type B	6	EA	\$140.00	\$840.00	no	\$100.00	\$500.00	\$3,600.00
133	SPEC	As-Built Coordinate Table - Water	1	LS	\$5,000.00	\$5,000.00	no	\$0.00	\$5,000.00	\$5,000.00
134	SPEC	Boulders, Per Plan	20	EA	\$225.00	\$4,500.00	no	\$300.00	\$350.00	\$13,000.00
135	SPEC	Clean Existing Storm Sewer (If Authorized)	5,000	LF	\$5.00	\$25,000.00	no	\$0.00	\$3.00	\$15,000.00
136	SPEC	CPM Schedule	1	LS	\$12,000.00	\$12,000.00	no	\$0.00	\$15,000.00	\$15,000.00
137	SPEC	Educational Signage, Flat Sheet and Support, 36.5" W x 24.5" H	1	EA	\$1,000.00	\$1,000.00	no	\$1,000.00	\$1,000.00	\$2,000.00
137b	SPEC	Existing Flower Bed to be Documented and Replaced In-Kind - ALLOWANCE	1	EA	\$1,000.00	\$1,000.00	yes	\$1,000.00	\$1,000.00	\$2,000.00
138	SPEC	GI Monitoring Location - ALLOWANCE	3	EA	\$5,000.00	\$15,000.00	no	\$5,000.00	\$0.00	\$15,000.00
139	SPEC	Grass Pavers, including Subbase	2,407	SF	\$7.00	\$16,849.00	no	\$4.00	\$7.00	\$26,477.00
140	SPEC	Inlet Adjusted (If Authorized)	10	EA	\$365.00	\$3,650.00	no	\$100.00	\$500.00	\$6,000.00
141	SPEC	NTSS - 1HM Trackless Tack Coat	2,918	GAL	\$4.50	\$13,131.00	no	\$2.00	\$1.50	\$10,213.00
142	SPEC	Project Identification Signs	2	EA	\$700.00	\$1,400.00	no	\$400.00	\$100.00	\$1,000.00
143	SPEC	Raised Intersection Markings	2	EA	\$500.00	\$1,000.00	no	\$1,500.00	\$1,700.00	\$6,400.00
144	SPEC	Raised Intersection Replacement	1	EA	\$7,500.00	\$7,500.00	no	\$2,500.00	\$3,300.00	\$5,800.00
145	SPEC	River Cobbles, 4 to 8-Inch Diameter	93	CY	\$120.00	\$11,160.00	no	\$350.00	\$350.00	\$65,100.00
146	SPEC	Sanitary Service Relocated/Repaired (If Authorized)	132	EA	\$2,200.00	\$290,400.00	no	\$150.00	\$550.00	\$92,400.00
147	SPEC	Stormwater Entrance, Curb and Gutter, Per Plan	17	EA	\$1,050.00	\$17,850.00	no	\$0.00	\$80.00	\$1,360.00
148	SPEC	Stormwater Entrance, Straight 18" Curb, Per Plan	198	EA	\$1,050.00	\$207,900.00	no	\$0.00	\$80.00	\$15,840.00
149	SPEC	Tree, Quercus Alba, White Oak, B&B, 2" Caliper (If Authorized)	10	EA	\$375.00	\$3,750.00	no	\$200.00	\$360.00	\$5,600.00
150	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 1-149))	1	LS			no	\$0.00	\$859,923.60	\$859,923.60
						\$6,853,437.00	\$9,459,159.60			
Group No. 2: CC-17120 Blenheim/Glencoe Integrated Solution, CIP 650870-100001 Bond Funded (SEWER)										
151	608	Curb Ramps	32	EA	\$1,000.00	\$32,000.00	no	\$600.00	\$600.00	\$38,400.00
152	608	Detectable Warning, Type "D"	6	EA	\$150.00	\$900.00	no	\$250.00	\$75.00	\$1,950.00

					Engineer's Estimate		John Eramo & Sons, Inc			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
153	608	Detectable Warning, Type "E"	32	EA	\$150.00	\$4,800.00	no	\$100.00	\$110.00	\$6,720.00
154	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 151-153))	1	LS			no	\$0.00	\$4,707.00	\$4,707.00
						\$37,700.00	\$51,777.00			
Group No. 3: 14-078 Acton Road Area WL Imp's, CIP 690236-100061 WSRLA Loan Funded (WATER)										
155	201	Clearing and Grubbing	1	LS	\$5,000.00	\$5,000.00	no	\$0.00	\$20,000.00	\$20,000.00
156	201	Tree Removed, 18 inch size	1	EA	\$600.00	\$600.00	no	\$0.00	\$700.00	\$700.00
157	202	Curb Removed	3,417	LF	\$5.00	\$17,085.00	no	\$0.00	\$5.00	\$17,085.00
158	202	Pipe Removed	750	LF	\$30.00	\$22,500.00	no	\$0.00	\$2.00	\$1,500.00
159	254	Planing, Asphalt Concrete	18,185	SY	\$2.50	\$45,462.50	no	\$0.00	\$3.00	\$54,555.00
160	259	Driveway Pavement Replacement, Type IIIA	4	CY	\$350.00	\$1,400.00	no	\$150.00	\$250.00	\$1,600.00
161	259	Driveway Pavement Replacement, Type IIIB	171	CY	\$650.00	\$111,150.00	no	\$300.00	\$200.00	\$85,500.00
162	448	Asphalt Concrete, Intermediate Course, (Medium Traffic), PG70-22	202	CY	\$200.00	\$40,400.00	no	\$70.00	\$95.00	\$33,330.00
163	448	Asphalt Concrete, Surface Course (Medium Traffic), PG64-22	748	CY	\$135.00	\$100,980.00	no	\$70.00	\$115.00	\$138,380.00
164	605	4" Pipe Underdrains	4,449	LF	\$8.50	\$37,816.50	no	\$2.00	\$6.00	\$35,592.00
165	608	Concrete Walk (4")	3,774	SF	\$6.00	\$22,644.00	no	\$2.00	\$5.00	\$26,418.00
166	608	Concrete Walk (8")	760	SF	\$24.00	\$18,240.00	no	\$4.00	\$6.00	\$7,600.00
167	609	Combination Curb and Gutter, Type Standard(If Authorized)	100	LF	\$140.00	\$14,000.00	no	\$8.00	\$17.00	\$2,500.00
168	609	Curb, Straight 18"	4,449	LF	\$25.00	\$111,225.00	no	\$6.00	\$7.00	\$57,837.00
169	609	Curb, Straight 18" (If Authorized)	100	LF	\$25.00	\$2,500.00	no	\$10.00	\$15.00	\$2,500.00
170	609	Sandstone Curb	190	LF	\$250.00	\$47,500.00	no	\$10.00	\$40.00	\$9,500.00
171	614	Maintaining Traffic	1	LS	\$50,000.00	\$50,000.00	no	\$0.00	\$125,000.00	\$125,000.00
172	615	Temporary Pavement	2,781	SY	\$7.00	\$19,467.00	no	\$0.00	\$0.01	\$27.81
173	632	Detector Loop, As Per Plan	1	EA	\$1,000.00	\$1,000.00	no	\$500.00	\$2,000.00	\$2,500.00
174	653	Topsoil Furnished and Placed	182	CY	\$45.00	\$8,190.00	no	\$20.00	\$30.00	\$9,100.00
175	659	Seeding and Mulching	2,257	SY	\$2.50	\$5,642.50	no	\$0.50	\$1.50	\$4,514.00
176	661	Deciduous Tree, 3" Caliper, American Hop Hornbeam	5	EA	\$700.00	\$3,500.00	no	\$250.00	\$500.00	\$3,750.00
177	661	Deciduous Tree, 3" Caliper, Boulevard American Linden	5	EA	\$700.00	\$3,500.00	no	\$250.00	\$500.00	\$3,750.00
178	661	Deciduous Tree, 3" Caliper, Bitternut Hickory	5	EA	\$700.00	\$3,500.00	no	\$250.00	\$500.00	\$3,750.00
179	801	6 Inch Water Pipe and Fittings	1,536	LF	\$90.00	\$138,240.00	no	\$60.00	\$110.00	\$261,120.00
180	801	8 Inch Water Pipe and Fittings	8,864	LF	\$100.00	\$886,400.00	no	\$70.00	\$90.00	\$1,418,240.00
181	801	12 Inch Water Pipe and Fittings	25	LF	\$350.00	\$8,750.00	no	\$100.00	\$400.00	\$12,500.00
182	801	Concrete Blocking Class C, Increase or Decrease (If Authorized)	50	CY	\$125.00	\$6,250.00	no	\$75.00	\$0.00	\$3,750.00
183	801	Ductile Iron Fittings, Increase or Decrease (If Authorized)	2,000	LB	\$2.50	\$5,000.00	no	\$3.00	\$0.00	\$6,000.00
184	802	6 Inch Valve and Appurtenances	28	EA	\$1,305.00	\$36,540.00	no	\$1,000.00	\$500.00	\$42,000.00
185	802	8 Inch Valve and Appurtenances	14	EA	\$1,650.00	\$23,100.00	no	\$1,200.00	\$500.00	\$23,800.00

					Engineer's Estimate		John Eramo & Sons, Inc			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
186	803	12 Inch x 8 Inch Tapping Sleeve and Valve and Appurtenances	1	EA	\$6,500.00	\$6,500.00	no	\$3,000.00	\$5,000.00	\$8,000.00
187	803	16 Inch x 8 Inch Tapping Sleeve and Valve and Appurtenances	1	EA	\$7,500.00	\$7,500.00	no	\$4,000.00	\$5,000.00	\$9,000.00
188	805	3/4 Inch Water Service Tap, Transferred, Short	121	EA	\$1,250.00	\$151,250.00	no	\$600.00	\$500.00	\$133,100.00
189	805	3/4 Inch Water Service Tap, Transferred, Long	133	EA	\$1,600.00	\$212,800.00	no	\$600.00	\$1,000.00	\$212,800.00
190	805	1 Inch Water Service Tap, Transferred, Short	4	EA	\$2,000.00	\$8,000.00	no	\$700.00	\$600.00	\$5,200.00
191	805	1 Inch Water Service Tap, Transferred, Long	1	EA	\$2,000.00	\$2,000.00	no	\$700.00	\$1,100.00	\$1,800.00
192	805	1 1/2 Inch Water Service Tap, Transferred, Long	3	EA	\$2,400.00	\$7,200.00	no	\$800.00	\$2,800.00	\$10,800.00
193	805	1 1/2 Inch Curb Stop	1	EA	\$1,500.00	\$1,500.00	no	\$800.00	\$200.00	\$1,000.00
194	805	Curb Box (If Authorized)	262	EA	\$120.00	\$31,440.00	no	\$50.00	\$20.00	\$18,340.00
195	805	CI Ferrule Valve Box and Cover (If Authorized)	10	EA	\$175.00	\$1,750.00	no	\$40.00	\$20.00	\$600.00
196	808	Cut and Plug (Cap) 6 Inch Water Line	2	EA	\$2,000.00	\$4,000.00	no	\$0.00	\$2,000.00	\$4,000.00
197	808	Cut and Plug (Cap) 8 Inch Water Line	1	EA	\$2,000.00	\$2,000.00	no	\$0.00	\$2,000.00	\$2,000.00
198	808	Cut and Plug (Cap) 12 Inch Water Line	1	EA	\$2,000.00	\$2,000.00	no	\$0.00	\$2,000.00	\$2,000.00
199	809	Fire Hydrant	23	EA	\$2,700.00	\$62,100.00	no	\$2,000.00	\$1,100.00	\$71,300.00
200	810	6 Inch Hydrant Extensions (If Authorized)	5	EA	\$450.00	\$2,250.00	no	\$300.00	\$100.00	\$2,000.00
201	810	12 Inch Hydrant Extensions (If Authorized)	5	EA	\$500.00	\$2,500.00	no	\$325.00	\$100.00	\$2,125.00
202	810	18 Inch Hydrant Extensions (If Authorized)	5	EA	\$550.00	\$2,750.00	no	\$350.00	\$100.00	\$2,250.00
203	810	24 Inch Hydrant Extensions (If Authorized)	5	EA	\$600.00	\$3,000.00	no	\$400.00	\$100.00	\$2,500.00
204	811	Increase or Decrease in Excavation and Backfill (If Authorized)	100	CY	\$25.00	\$2,500.00	no	\$0.00	\$40.00	\$4,000.00
205	815	Crushed Stone or Gravel	139	CY	\$50.00	\$6,950.00	no	\$20.00	\$30.00	\$6,950.00
206	SPEC	1 1/2" Copper Tubing and Fittings	10	LF	\$90.00	\$900.00	no	\$20.00	\$60.00	\$800.00
207	SPEC	Heat Welding	142	SY	\$52.00	\$7,384.00	no	\$0.00	\$56.00	\$7,952.00
208	SPEC	Hold Electrical Pole	1	EA	\$1,000.00	\$1,000.00	no	\$0.00	\$1,000.00	\$1,000.00
209	SPEC	NTSS - 1HM Trackless Tack Coat	2,734	GAL	\$4.50	\$12,303.00	no	\$2.00	\$2.00	\$10,936.00
210	SPEC	Permanent Pavement	698	CY	\$220.00	\$153,560.00	no	\$150.00	\$185.00	\$233,830.00
211	SPEC	Project Identification Signs	4	EA	\$700.00	\$2,800.00	no	\$400.00	\$100.00	\$2,000.00
212	SPEC	Raised Intersection Replacement	2	EA	\$7,500.00	\$15,000.00	no	\$3,000.00	\$3,000.00	\$12,000.00
213	SPEC	Survey Coordinates	1	LS	\$12,000.00	\$12,000.00	no	\$0.00	\$10,000.00	\$10,000.00
214	SPEC	Temporary Water Main and Service Connections	1	LS	\$10,000.00	\$10,000.00	no	\$5,000.00	\$20,000.00	\$25,000.00
215	SPEC	Temporary Sediment and Erosion Control	1	LS	\$15,000.00	\$15,000.00	no	\$1,000.00	\$2,000.00	\$3,000.00
216	SPEC	Temporary Seeding and Mulching	2,257	SY	\$3.50	\$7,899.50	no	\$0.25	\$0.75	\$2,257.00
217	SPEC	Temporary Water Service Connection at Curb Stop (If Authorized)	10	EA	\$1,700.00	\$17,000.00	no	\$200.00	\$600.00	\$8,000.00
218	SPEC	Temporary Water Service within Buildings (If Authorized)	5	EA	\$3,200.00	\$16,000.00	no	\$500.00	\$1,000.00	\$7,500.00
219	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 155-218))	1	LS			no	\$0.00	\$323,843.88	\$323,843.88

\$2,588,419.00

\$3,562,282.69

Group No. 4: 14-078 Acton Road Area WL Imp's, CIP 690236-100061 Bond Funded (WATER)

					Engineer's Estimate		John Eramo & Sons, Inc				
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension	
220	608	Curb Ramps	29	EA	\$1,000.00	\$29,000.00	no	\$600.00	\$600.00	\$34,800.00	
221	608	Detectable Warning, Type "E"	29	EA	\$150.00	\$4,350.00	no	\$100.00	\$120.00	\$6,380.00	
222	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 220-221))	1	LS			no	\$0.00	\$4,118.00	\$4,118.00	
						\$33,350.00	\$45,298.00				
Group No. 5: 14-078 Dept. of Public Service Bond Funded (DPS)											
223	202	Curb Removed	1,052	LF	\$5.00	\$5,260.00	no	\$0.00	\$12.00	\$12,624.00	
224	251	Partial Depth Pavement Replacement, As Per Plan	754	CY	\$200.00	\$150,800.00	no	\$100.00	\$250.00	\$263,900.00	
225	254	Planing, Asphalt Concrete	4,150	SY	\$2.50	\$10,375.00	no	\$0.00	\$2.30	\$9,545.00	
226	448	Asphalt Concrete, Intermediate Course, (Medium Traffic), PG70-22	144	CY	\$200.00	\$28,800.00	no	\$70.00	\$90.00	\$23,040.00	
227	448	Asphalt Concrete, Surface Course, (Medium Traffic), PG64-22	144	CY	\$135.00	\$19,440.00	no	\$70.00	\$120.00	\$27,360.00	
228	604	Inlet Adjusted to Grade	2	EA	\$600.00	\$1,200.00	no	\$100.00	\$500.00	\$1,200.00	
229	604	Manhole Adjusted to Grade (w/ Adjustment Ring)	8	EA	\$600.00	\$4,800.00	no	\$100.00	\$500.00	\$4,800.00	
230	605	4" Pipe Underdrains	1,219	LF	\$8.50	\$10,361.50	no	\$2.00	\$6.00	\$9,752.00	
231	608	Curb Ramps	4	EA	\$1,000.00	\$4,000.00	no	\$600.00	\$600.00	\$4,800.00	
232	608	Detectable Warning, Type "E"	4	EA	\$150.00	\$600.00	no	\$100.00	\$120.00	\$880.00	
233	609	Curb, Straight 18"	1,052	LF	\$25.00	\$26,300.00	no	\$5.00	\$10.00	\$15,780.00	
234	653	Topsoil Furnished and Placed	54	CY	\$45.00	\$2,430.00	no	\$20.00	\$20.00	\$2,160.00	
235	659	Seeding and Mulching	485	SY	\$2.50	\$1,212.50	no	\$0.25	\$1.75	\$970.00	
236	SPEC	Asphalt Rejuvenating Agent	13,191	SY	\$2.10	\$27,701.10	no	\$0.50	\$0.50	\$13,191.00	
237	SPEC	NTSS - 1HM Trackless Tack Coat	332	GAL	\$4.50	\$1,494.00	no	\$2.00	\$2.00	\$1,328.00	
238	SPEC	Stress Absorbing Membrane Interlayer, Type I	13,191	SY	\$4.00	\$52,764.00	no	\$3.00	\$2.00	\$65,955.00	
239	SPEC	Force Acct. (10% of Sum of Ref. No's 223-238)								\$45,728.50	
					\$347,538.10		\$503,013.50				
					Force Acct. \$986,044.41						
GRAND TOTAL:			\$10,846,488.51								\$13,621,530.79
% DIFFERENCE FROM ENGINEER'S ESTIMATE							25.58%				
% DIFFERENCE WITHIN LOWEST BIDDER							n/a				
(3) Addendum Ackldgmnts. Completed?							yes				
Contract Compliance No.							31-0724866 (exp. 10/20/17, MAJ, 4251)				
Bid Proposal Signature Affidavit Completed?							yes				
Bonding Company (Form B2)							Ohio Farmers Insurance Co.				
Proposed Subs listed?							yes				
Bid Affidavit Complete? (Form B9)							yes				
Prime & (applicable) Subs Prequalified to Bid?							yes				
Applicable Loan Forms Included? (B10, 11, 12.2, 12.3, Iron/Steel)							yes (Facemyer & Bridges Bros. Trucking)				

					Engineer's Estimate		John Eramo & Sons, Inc			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension

ORD #1536-2017, Division of Sewers & Drains & Water, Public Service Dept.
Blueprint Clintonville: Blenheim/Glencoe Integrated Solution & Acton Road Area Water Line Imp's
C.I.P. No's: 650870-100001 (DOSD); 690236-100061 (DOW); 530282-100117 (DPS)
Bid Tabulation, Opened 5/17/17

					Engineer's Estimate		Shelly & Sands, Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
Group No. 1: CC-17120 Blenheim/Glencoe Integrated Solution, CIP 650870-100001 WPCLF Loan Funded (SEWER)										
1	201	Clearing and Grubbing	1	LS	\$50,000.00	\$50,000.00	no	\$0.00	\$107,000.00	\$107,000.00
2	201	Tree Removed, 18 inch Size	12	EA	\$600.00	\$7,200.00	no	\$0.00	\$600.00	\$7,200.00
3	201	Tree Removed, 30 inch Size	2	EA	\$800.00	\$1,600.00	no	\$0.00	\$2,000.00	\$4,000.00
4	201	Tree Removed, Less than 18 inch Size	22	EA	\$400.00	\$8,800.00	no	\$0.00	\$400.00	\$8,800.00
5	202	Bench Removed and Disposed	2	EA	\$200.00	\$400.00	no	\$0.00	\$80.00	\$160.00
6	202	Bike Path Removed, including Subbase	5,160	SF	\$10.00	\$51,600.00	no	\$0.00	\$1.00	\$5,160.00
7	202	Catch Basin or Inlet Abandoned	4	EA	\$350.00	\$1,400.00	no	\$0.00	\$450.00	\$1,800.00
8	202	Catch Basin or Inlet Removed	8	EA	\$400.00	\$3,200.00	no	\$0.00	\$250.00	\$2,000.00
9	202	Curb and Gutter Removed	565	LF	\$5.50	\$3,107.50	no	\$0.00	\$3.50	\$1,977.50
10	202	Curb Removed, Straight 18"	5,820	LF	\$5.00	\$29,100.00	no	\$1.00	\$1.00	\$11,640.00
11	202	Fence Removed (Chain Link) and Disposed	175	LF	\$10.00	\$1,750.00	no	\$3.00	\$3.00	\$1,050.00
12	202	Flower Bed Removed	4	EA	\$90.00	\$360.00	no	\$0.00	\$270.00	\$1,080.00
13	202	Manhole Abandoned	10	EA	\$800.00	\$8,000.00	no	\$0.00	\$400.00	\$4,000.00
14	202	Manhole Removed	10	EA	\$900.00	\$9,000.00	no	\$0.00	\$250.00	\$2,500.00
15	202	Pipe Filled in Place	3,456	LF	\$15.00	\$51,840.00	no	\$8.75	\$8.75	\$60,480.00
16	202	Pipe Removed	2,029	LF	\$30.00	\$60,870.00	no	\$0.00	\$17.00	\$34,493.00
17	202	Walk Removed	5,084	SF	\$4.00	\$20,336.00	no	\$0.00	\$1.00	\$5,084.00
18	203	Excavation/Embankment (Bike Path)	150	CY	\$25.00	\$3,750.00	no	\$0.00	\$40.00	\$6,000.00
19	204	Subgrade Compaction	590	SY	\$3.25	\$1,917.50	no	\$0.00	\$4.00	\$2,360.00
20	207	Construction Seeding & Mulching (If Authorized)	24,475	SY	\$2.50	\$61,187.50	no	\$0.17	\$0.18	\$8,566.25
21	207	Inlet Protection	94	EA	\$115.00	\$10,810.00	no	\$100.00	\$100.00	\$18,800.00
22	207	Non-woven Geotextile Fabric	420	SY	\$4.00	\$1,680.00	no	\$1.00	\$1.00	\$840.00
23	207	Perimeter Filter Fabric Fence	21,322	LF	\$2.50	\$53,305.00	no	\$1.00	\$1.00	\$42,644.00
24	207	Stabilized Construction Entrance	198	SY	\$30.00	\$5,940.00	no	\$15.00	\$15.00	\$5,940.00
25	254	Planing, Asphalt Concrete	26,930	SY	\$2.50	\$67,325.00	no	\$0.00	\$2.20	\$59,246.00
26	259	Driveway Pavement Replacement, per 2201	2	CY	\$300.00	\$600.00	no	\$425.00	\$425.00	\$1,700.00
27	259	Driveway Pavement Replacement, Type IIIA	17	CY	\$350.00	\$5,950.00	no	\$275.00	\$275.00	\$9,350.00
28	259	Driveway Pavement Replacement, Type IIIB	148	CY	\$650.00	\$96,200.00	no	\$325.00	\$325.00	\$96,200.00
29	259	Permanent Pavement with Heat Weld, Per 1441	73	CY	\$350.00	\$25,550.00	no	\$350.00	\$350.00	\$51,100.00
30	259	Permanent Pavement without Heat Weld, Per 1441	1,647	CY	\$350.00	\$576,450.00	no	\$99.00	\$99.00	\$326,106.00
31	304	Aggregate Base, 6"	99	CY	\$60.00	\$5,940.00	no	\$37.50	\$37.50	\$7,425.00
32	448	Asphalt Concrete, Intermediate Course (Medium Traffic), PG70-22M	113	CY	\$200.00	\$22,600.00	no	\$77.50	\$77.50	\$17,515.00
33	448	Asphalt Concrete, Surface Course (Light Traffic), PG64-22	58	CY	\$130.00	\$7,540.00	no	\$112.50	\$112.50	\$13,050.00
34	448	Asphalt Concrete, Surface Course (Medium Traffic), PG64-22	1,082	CY	\$135.00	\$146,070.00	no	\$87.50	\$87.50	\$189,350.00
35	601	No. 57 Aggregate, Washed	875	CY	\$45.00	\$39,375.00	no	\$32.50	\$32.50	\$56,875.00
36	601	No. 8 Aggregate, Washed	219	CY	\$45.00	\$9,855.00	no	\$37.50	\$37.50	\$16,425.00

					Engineer's Estimate		Shelly & Sands, Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
37	601	Rock Channel Protection, Type C with Filter	4	CY	\$100.00	\$400.00	no	\$62.50	\$62.50	\$500.00
38	603	4" Conduit, Type E (720.08) (If Authorized)	100	LF	\$8.50	\$850.00	no	\$10.00	\$10.00	\$2,000.00
		Catch Basin, Modified (Stormwater Wetland Outlet								
39	604	Structure)	1	EA	\$1,500.00	\$1,500.00	no	\$1,275.00	\$1,275.00	\$2,550.00
40	604	Curb Inlet Manhole (AA-S121)	1	EA	\$2,000.00	\$2,000.00	no	\$1,325.00	\$1,325.00	\$2,650.00
41	604	Endwall, 12" (AA-S169)	2	EA	\$1,000.00	\$2,000.00	no	\$325.00	\$325.00	\$1,300.00
42	604	Inlet Adjusted to Grade	9	EA	\$600.00	\$5,400.00	no	\$450.00	\$450.00	\$8,100.00
43	604	Manhole Adjusted to Grade (w/ Adjustment Ring)	54	EA	\$600.00	\$32,400.00	no	\$100.00	\$100.00	\$10,800.00
44	604	Manhole, Type C, 48" Base	71	EA	\$2,750.00	\$195,250.00	no	\$1,825.00	\$1,825.00	\$259,150.00
45	604	Manhole, Type C, 60" Base	11	EA	\$3,000.00	\$33,000.00	no	\$1,850.00	\$1,850.00	\$40,700.00
46	604	Manhole, Type C, 72" Base	9	EA	\$4,000.00	\$36,000.00	no	\$3,250.00	\$3,250.00	\$58,500.00
47	604	Manhole, Type E	1	EA	\$5,000.00	\$5,000.00	no	\$6,500.00	\$6,500.00	\$13,000.00
48	604	Standard Catch Basin (AA-S133B)	2	EA	\$1,400.00	\$2,800.00	no	\$1,500.00	\$1,500.00	\$6,000.00
49	604	Standard Curb and Gutter Inlet (AA-S125A)	5	EA	\$2,400.00	\$12,000.00	no	\$1,300.00	\$1,300.00	\$13,000.00
50	605	4" Pipe Underdrains	5,790	LF	\$8.50	\$49,215.00	no	\$6.00	\$6.00	\$69,480.00
51	605	8-Inch Schedule 80 Perforated PVC Underdrain & Fittings	2,982	LF	\$25.00	\$74,550.00	no	\$65.00	\$65.00	\$387,660.00
52	605	8-Inch Schedule 80 PVC Underdrain & Fittings (including								
		Cleanouts and Standpipe)	3,656	LF	\$25.00	\$91,400.00	no	\$25.00	\$25.00	\$182,800.00
53	608	Concrete Walk (4")	5,084	SF	\$6.00	\$30,504.00	no	\$8.50	\$8.50	\$86,428.00
54	608	Concrete Walk (4") (If Authorized)	5,000	SF	\$6.00	\$30,000.00	no	\$8.25	\$8.25	\$82,500.00
55	609	Combination Curb and Gutter, Type Standard, Per 2010	565	LF	\$30.00	\$16,950.00	no	\$25.00	\$25.00	\$28,250.00
56	609	Curb, Straight 18"	5,820	LF	\$25.00	\$145,500.00	no	\$14.00	\$14.00	\$162,960.00
57	614	Maintaining Traffic	1	LS	\$100,000.00	\$100,000.00	no	\$8,000.00	\$925,000.00	\$933,000.00
58	616	Water	20	MG	\$40.00	\$800.00	no	\$10.00	\$10.00	\$400.00
59	623	Construction Layout Stakes	1	LS	\$50,000.00	\$50,000.00	no	\$1,000.00	\$199,000.00	\$200,000.00
60	624	Mobilization	1	LS	\$100,000.00	\$100,000.00	no	\$1,000.00	\$399,000.00	\$400,000.00
61	630	2.5 inch Street Name Sign Support	2	EA	\$500.00	\$1,000.00	no	\$300.00	\$300.00	\$1,200.00
62	630	Ground Mounted Support, 3# Post	111	LF	\$10.00	\$1,110.00	no	\$7.50	\$7.50	\$1,665.00
63	630	Removal of Ground Mounted Sign and Disposal	14	EA	\$25.00	\$350.00	no	\$0.00	\$25.00	\$350.00
64	630	Removal of Ground Mounted Support and Disposal	14	EA	\$25.00	\$350.00	no	\$0.00	\$25.00	\$350.00
65	630	Sign, Flat Sheet	50	SF	\$25.00	\$1,250.00	no	\$12.50	\$12.50	\$1,250.00
66	630	Street Name Sign	3	SF	\$25.00	\$75.00	no	\$100.00	\$100.00	\$600.00
67	644	Center Line, 5"	284	LF	\$2.25	\$639.00	no	\$0.97	\$0.98	\$553.80
68	644	Crosswalk Line, 10'	74	LF	\$2.75	\$203.50	no	\$1.57	\$1.58	\$233.10
69	644	Lane Line, 5'	69	LF	\$0.50	\$34.50	no	\$0.47	\$0.48	\$65.55
70	644	Stop Line, 20"	28	LF	\$11.00	\$308.00	no	\$3.00	\$3.00	\$168.00
71	647	Shared Lane Marking, Type B90	1	EA	\$250.00	\$250.00	no	\$177.50	\$177.50	\$355.00
72	647	Speed Hump Marking	2	EA	\$175.00	\$350.00	no	\$67.00	\$67.00	\$268.00
73	653	Topsoil Furnished and Placed	2,718	CY	\$45.00	\$122,310.00	no	\$25.00	\$25.00	\$135,900.00
74	659	Native Seeding and Mulching, Per Plan	6,901	SY	\$3.50	\$24,153.50	no	\$2.41	\$2.41	\$33,262.82
75	659	Seeding and Mulching	17,568	SY	\$2.50	\$43,920.00	no	\$1.62	\$1.63	\$57,096.00
76	661	Deciduous Shrub, 3 Gal, Per Plan	153	EA	\$50.00	\$7,650.00	no	\$50.00	\$50.00	\$15,300.00
77	661	Ornamental Grasses, 3 Gal, Per Plan	2,902	EA	\$25.00	\$72,550.00	no	\$50.00	\$50.00	\$290,200.00
78	661	Perennials, 1 Gal, Per Plan	215	EA	\$15.00	\$3,225.00	no	\$37.50	\$37.50	\$16,125.00

					Engineer's Estimate		Shelly & Sands, Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
79	661	Perennials, 3 Gal, Per Plan	2,686	EA	\$25.00	\$67,150.00	no	\$45.00	\$45.00	\$241,740.00
80	661	Sedges, 1 Gal, Per Plan	150	EA	\$15.00	\$2,250.00	no	\$30.00	\$30.00	\$9,000.00
81	662	Landscape Watering	22,668	GAL	\$0.75	\$17,001.00	no	\$0.80	\$0.80	\$36,268.80
82	670	Slope Erosion Protection Mat	22	SY	\$4.50	\$99.00	no	\$20.50	\$20.50	\$902.00
83	801	12 Inch Water Pipe and Fittings	52	LF	\$350.00	\$18,200.00	no	\$137.50	\$137.50	\$14,300.00
84	801	6 Inch Water Pipe and Fittings	766	LF	\$90.00	\$68,940.00	no	\$65.00	\$65.00	\$99,580.00
85	801	8 Inch Water Pipe and Fittings	1,912	LF	\$100.00	\$191,200.00	no	\$60.00	\$60.00	\$229,440.00
86	801	Concrete Blocking Class C, Increase or Decrease (If Authorized)	139	CY	\$125.00	\$17,375.00	no	\$50.00	\$50.00	\$13,900.00
87	801	Ductile Iron Fittings, Increase or Decrease (If Authorized)	9,365	LB	\$2.50	\$23,412.50	no	\$1.50	\$1.50	\$28,095.00
88	802	6 Inch Valve and Appurtenances	5	EA	\$1,305.00	\$6,525.00	no	\$675.00	\$675.00	\$6,750.00
89	802	8 Inch Valve and Appurtenances	4	EA	\$1,650.00	\$6,600.00	no	\$795.00	\$795.00	\$6,360.00
90	805	1 Inch Water Service Tap, Transferred	9	EA	\$2,000.00	\$18,000.00	no	\$1,500.00	\$1,500.00	\$27,000.00
91	805	1 Inch Water Service Tap, Transferred (If Authorized)	5	EA	\$2,000.00	\$10,000.00	no	\$1,525.00	\$1,525.00	\$15,250.00
92	805	3/4 Inch Water Service Tap, Transferred	78	EA	\$1,600.00	\$124,800.00	no	\$1,500.00	\$1,500.00	\$234,000.00
93	805	3/4 Inch Water Service Tap, Transferred (If Authorized)	15	EA	\$1,600.00	\$24,000.00	no	\$1,500.00	\$1,500.00	\$45,000.00
94	807	Valve Boxes Adjusted to Grade	5	EA	\$200.00	\$1,000.00	no	\$212.50	\$212.50	\$2,125.00
95	808	Cut and Plug (Cap) 12 Inch Water Line	2	EA	\$2,000.00	\$4,000.00	no	\$400.00	\$400.00	\$1,600.00
96	808	Cut and Plug (Cap) 6 Inch Water Line	28	EA	\$2,000.00	\$56,000.00	no	\$325.00	\$325.00	\$18,200.00
97	809	Fire Hydrant	5	EA	\$2,700.00	\$13,500.00	no	\$2,075.00	\$2,075.00	\$20,750.00
98	810	6 Inch Fire Hydrant Extension (If Authorized)	5	EA	\$450.00	\$2,250.00	no	\$350.00	\$350.00	\$3,500.00
99	811	Increase or Decrease in Excavation and Backfill (If Authorized)	331	CY	\$25.00	\$8,275.00	no	\$30.00	\$30.00	\$19,860.00
100	816	1 Inch Water Service Tap, Relocated	12	EA	\$925.00	\$11,100.00	no	\$1,325.00	\$1,325.00	\$31,800.00
101	816	1 Inch Water Service Tap, Relocated (If Authorized)	5	EA	\$925.00	\$4,625.00	no	\$1,400.00	\$1,400.00	\$14,000.00
102	816	3/4 Inch Water Service Tap, Relocated	91	EA	\$800.00	\$72,800.00	no	\$1,425.00	\$1,425.00	\$259,350.00
103	816	3/4 Inch Water Service Tap, Relocated (If Authorized)	15	EA	\$800.00	\$12,000.00	no	\$1,000.00	\$1,000.00	\$30,000.00
104	901	12 Inch Pipe, RCP, with Type I Bedding and Item 911	2,165	LF	\$60.00	\$129,900.00	no	\$30.00	\$30.00	\$129,900.00
105	901	12 Inch Pipe, C900, with Type I Bedding and Item 912	193	LF	\$115.00	\$22,195.00	no	\$50.00	\$50.00	\$19,300.00
106	901	12 Inch Pipe, RCP, with Type I Bedding and Item 912	682	LF	\$75.00	\$51,150.00	no	\$59.96	\$59.96	\$81,785.44
107	901	15 Inch Pipe, C905, with Type I Bedding and Item 912	555	LF	\$125.00	\$69,375.00	no	\$57.50	\$57.50	\$63,825.00
108	901	15 Inch Pipe, RCP, with Type I Bedding and Item 912	28	LF	\$85.00	\$2,380.00	no	\$50.00	\$50.00	\$2,800.00
109	901	18 Inch Pipe, C905, with Type I Bedding and Item 912	130	LF	\$150.00	\$19,500.00	no	\$67.50	\$67.50	\$17,550.00
110	901	18 Inch Pipe, RCP, with Type I Bedding and Item 912	220	LF	\$125.00	\$27,500.00	no	\$67.50	\$67.50	\$29,700.00
111	901	24 Inch Pipe, C905, with Type I Bedding and Item 912	362	LF	\$175.00	\$63,350.00	no	\$72.50	\$72.50	\$52,490.00
112	901	24 Inch Pipe, RCP, with Type I Bedding and Item 912	175	LF	\$150.00	\$26,250.00	no	\$67.50	\$67.50	\$23,625.00
113	901	29 Inch x 45 Inch Elliptical Pipe with Gasketed Joints, RCP, with Type I Bedding and Item 912	49	LF	\$300.00	\$14,700.00	no	\$160.00	\$160.00	\$15,680.00
114	901	30 Inch Pipe, RCP, with Type I Bedding and Item 912	1,254	LF	\$150.00	\$188,100.00	no	\$80.00	\$80.00	\$200,640.00
115	901	36 Inch Pipe, C905, with Type I Bedding and Item 912	1,190	LF	\$225.00	\$267,750.00	no	\$110.00	\$110.00	\$261,800.00
116	901	36 Inch Pipe, RCP, with Type I Bedding and Item 912	1,329	LF	\$175.00	\$232,575.00	no	\$90.00	\$90.00	\$239,220.00
117	901	8 Inch Pipe, C900, with Type I Bedding and Item 912	10,531	LF	\$35.00	\$368,585.00	no	\$47.50	\$47.50	\$1,000,445.00
118	903	Rock Excavation (If Authorized)	25	CY	\$75.00	\$1,875.00	no	\$0.00	\$75.00	\$1,875.00
119	906	Stone Foundation (If Authorized)	25	CY	\$50.00	\$1,250.00	no	\$37.50	\$37.50	\$1,875.00

					Engineer's Estimate		Shelly & Sands, Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
120	910	Plain Concrete Encasement of 36" Pipe	980	LF	\$50.00	\$49,000.00	no	\$37.50	\$37.50	\$73,500.00
121	1001	Circuit Cable (Underground), MIS-14	12,160	LF	\$3.00	\$36,480.00	no	\$2.00	\$2.00	\$48,640.00
122	1001	Conduit, MIS-18 (If Authorized)	12,160	LF	\$10.00	\$121,600.00	no	\$6.50	\$6.50	\$158,080.00
123	1602	Excavation for Green Infrastructure Facilities	9,310	CY	\$25.00	\$232,750.00	no	\$0.00	\$30.00	\$279,300.00
124	1603	Tree Protection Fencing, Per Plan	11,001	LF	\$10.00	\$110,010.00	no	\$2.50	\$2.50	\$55,005.00
125	1604	Bioretention Mulch	5,884	CF	\$2.25	\$13,239.00	no	\$1.75	\$1.75	\$20,594.00
126	1604	Bioretention Soil	57,311	CF	\$2.00	\$114,622.00	no	\$1.75	\$1.75	\$200,588.50
127	1604	Edging, PVC/Steel	10,549	LF	\$2.50	\$26,372.50	no	\$6.00	\$6.00	\$126,588.00
128	1609	Green Infrastructure Period of Establishment Season 2	1	LS	\$100,000.00	\$100,000.00	no	\$100,000.00	\$100,000.00	\$200,000.00
129	SPEC	22' Speed Hump	2	EA	\$5,000.00	\$10,000.00	no	\$2,650.00	\$2,650.00	\$10,600.00
130	SPEC	8" Gate Valve with Housing (ASAHI-America GT-A, or approved equal)	226	EA	\$1,700.00	\$384,200.00	no	\$1,450.00	\$1,450.00	\$655,400.00
131	SPEC	Anti-Infiltration and Inflow Barrier, Type A	6	EA	\$140.00	\$840.00	no	\$64.00	\$64.00	\$768.00
132	SPEC	Anti-Infiltration and Inflow Barrier, Type B	6	EA	\$140.00	\$840.00	no	\$100.00	\$100.00	\$1,200.00
133	SPEC	As-Built Coordinate Table - Water	1	LS	\$5,000.00	\$5,000.00	no	\$500.00	\$44,500.00	\$45,000.00
134	SPEC	Boulders, Per Plan	20	EA	\$225.00	\$4,500.00	no	\$187.50	\$187.50	\$7,500.00
135	SPEC	Clean Existing Storm Sewer (If Authorized)	5,000	LF	\$5.00	\$25,000.00	no	\$0.00	\$10.00	\$50,000.00
136	SPEC	CPM Schedule	1	LS	\$12,000.00	\$12,000.00	no	\$0.00	\$20,000.00	\$20,000.00
137	SPEC	Educational Signage, Flat Sheet and Support, 36.5" W x 24.5" H	1	EA	\$1,000.00	\$1,000.00	no	\$900.00	\$900.00	\$1,800.00
137b	SPEC	Existing Flower Bed to be Documented and Replaced In-Kind - ALLOWANCE	1	EA	\$1,000.00	\$1,000.00	yes	\$1,375.00	\$1,375.00	\$2,750.00
138	SPEC	GI Monitoring Location - ALLOWANCE	3	EA	\$5,000.00	\$15,000.00	no	\$5,000.00	\$0.00	\$15,000.00
139	SPEC	Grass Pavers, including Subbase	2,407	SF	\$7.00	\$16,849.00	no	\$10.00	\$10.00	\$48,140.00
140	SPEC	Inlet Adjusted (If Authorized)	10	EA	\$365.00	\$3,650.00	no	\$500.00	\$500.00	\$10,000.00
141	SPEC	NTSS - 1HM Trackless Tack Coat	2,918	GAL	\$4.50	\$13,131.00	no	\$1.75	\$1.75	\$10,213.00
142	SPEC	Project Identification Signs	2	EA	\$700.00	\$1,400.00	no	\$200.00	\$200.00	\$800.00
143	SPEC	Raised Intersection Markings	2	EA	\$500.00	\$1,000.00	no	\$125.00	\$125.00	\$500.00
144	SPEC	Raised Intersection Replacement	1	EA	\$7,500.00	\$7,500.00	no	\$9,500.00	\$9,500.00	\$19,000.00
145	SPEC	River Cobbles, 4 to 8-Inch Diameter	93	CY	\$120.00	\$11,160.00	no	\$52.50	\$52.50	\$9,765.00
146	SPEC	Sanitary Service Relocated/Repaired (If Authorized)	132	EA	\$2,200.00	\$290,400.00	no	\$1,250.00	\$1,250.00	\$330,000.00
147	SPEC	Stormwater Entrance, Curb and Gutter, Per Plan	17	EA	\$1,050.00	\$17,850.00	no	\$165.00	\$165.00	\$5,610.00
148	SPEC	Stormwater Entrance, Straight 18" Curb, Per Plan	198	EA	\$1,050.00	\$207,900.00	no	\$150.00	\$150.00	\$59,400.00
149	SPEC	Tree, Quercus Alba, White Oak, B&B, 2" Caliper (If Authorized)	10	EA	\$375.00	\$3,750.00	no	\$237.50	\$237.50	\$4,750.00
150	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 1-149))	1	LS			no	\$535,817.98	\$535,817.99	\$1,071,635.97
						\$6,853,437.00	\$11,787,995.73			
Group No. 2: CC-17120 Blenheim/Glencoe Integrated Solution, CIP 650870-100001 Bond Funded (SEWER)										
151	608	Curb Ramps	32	EA	\$1,000.00	\$32,000.00	no	\$80.00	\$80.00	\$5,120.00
152	608	Detectable Warning, Type "D"	6	EA	\$150.00	\$900.00	no	\$162.50	\$162.50	\$1,950.00

					Engineer's Estimate		Shelly & Sands, Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
153	608	Detectable Warning, Type "E"	32	EA	\$150.00	\$4,800.00	no	\$137.50	\$137.50	\$8,800.00
154	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 151-153))	1	LS			no	\$793.50	\$793.50	\$1,587.00
						\$37,700.00	\$17,457.00			
Group No. 3: 14-078 Acton Road Area WL Imp's, CIP 690236-100061 WSRLA Loan Funded (WATER)										
155	201	Clearing and Grubbing	1	LS	\$5,000.00	\$5,000.00	no	\$0.00	\$20,000.00	\$20,000.00
156	201	Tree Removed, 18 inch size	1	EA	\$600.00	\$600.00	no	\$0.00	\$600.00	\$600.00
157	202	Curb Removed	3,417	LF	\$5.00	\$17,085.00	no	\$0.00	\$4.00	\$13,668.00
158	202	Pipe Removed	750	LF	\$30.00	\$22,500.00	no	\$0.00	\$34.00	\$25,500.00
159	254	Planing, Asphalt Concrete	18,185	SY	\$2.50	\$45,462.50	no	\$0.00	\$2.20	\$40,007.00
160	259	Driveway Pavement Replacement, Type IIIA	4	CY	\$350.00	\$1,400.00	no	\$275.00	\$275.00	\$2,200.00
161	259	Driveway Pavement Replacement, Type IIIB	171	CY	\$650.00	\$111,150.00	no	\$350.00	\$350.00	\$119,700.00
162	448	Asphalt Concrete, Intermediate Course, (Medium Traffic), PG70-22	202	CY	\$200.00	\$40,400.00	no	\$77.50	\$77.50	\$31,310.00
163	448	Asphalt Concrete, Surface Course (Medium Traffic), PG64-22	748	CY	\$135.00	\$100,980.00	no	\$87.50	\$87.50	\$130,900.00
164	605	4" Pipe Underdrains	4,449	LF	\$8.50	\$37,816.50	no	\$5.00	\$5.00	\$44,490.00
165	608	Concrete Walk (4")	3,774	SF	\$6.00	\$22,644.00	no	\$7.50	\$7.50	\$56,610.00
166	608	Concrete Walk (8")	760	SF	\$24.00	\$18,240.00	no	\$10.00	\$10.00	\$15,200.00
167	609	Combination Curb and Gutter, Type Standard(If Authorized)	100	LF	\$140.00	\$14,000.00	no	\$25.00	\$25.00	\$5,000.00
168	609	Curb, Straight 18"	4,449	LF	\$25.00	\$111,225.00	no	\$13.00	\$13.00	\$115,674.00
169	609	Curb, Straight 18" (If Authorized)	100	LF	\$25.00	\$2,500.00	no	\$22.50	\$22.50	\$4,500.00
170	609	Sandstone Curb	190	LF	\$250.00	\$47,500.00	no	\$32.00	\$32.00	\$12,160.00
171	614	Maintaining Traffic	1	LS	\$50,000.00	\$50,000.00	no	\$1,000.00	\$69,000.00	\$70,000.00
172	615	Temporary Pavement	2,781	SY	\$7.00	\$19,467.00	no	\$0.75	\$0.75	\$4,171.50
173	632	Detector Loop, As Per Plan	1	EA	\$1,000.00	\$1,000.00	no	\$1,225.00	\$1,225.00	\$2,450.00
174	653	Topsoil Furnished and Placed	182	CY	\$45.00	\$8,190.00	no	\$30.00	\$30.00	\$10,920.00
175	659	Seeding and Mulching	2,257	SY	\$2.50	\$5,642.50	no	\$1.62	\$1.63	\$7,335.25
176	661	Deciduous Tree, 3" Caliper, American Hop Hornbeam	5	EA	\$700.00	\$3,500.00	no	\$412.50	\$412.50	\$4,125.00
177	661	Deciduous Tree, 3" Caliper, Boulevard American Linden	5	EA	\$700.00	\$3,500.00	no	\$412.50	\$412.50	\$4,125.00
178	661	Deciduous Tree, 3" Caliper, Bitternut Hickory	5	EA	\$700.00	\$3,500.00	no	\$462.50	\$462.50	\$4,625.00
179	801	6 Inch Water Pipe and Fittings	1,536	LF	\$90.00	\$138,240.00	no	\$45.00	\$45.00	\$138,240.00
180	801	8 Inch Water Pipe and Fittings	8,864	LF	\$100.00	\$886,400.00	no	\$42.50	\$42.50	\$753,440.00
181	801	12 Inch Water Pipe and Fittings	25	LF	\$350.00	\$8,750.00	no	\$237.50	\$237.50	\$11,875.00
182	801	Concrete Blocking Class C, Increase or Decrease (If Authorized)	50	CY	\$125.00	\$6,250.00	no	\$55.00	\$55.00	\$5,500.00
183	801	Ductile Iron Fittings, Increase or Decrease (If Authorized)	2,000	LB	\$2.50	\$5,000.00	no	\$1.50	\$1.50	\$6,000.00
184	802	6 Inch Valve and Appurtenances	28	EA	\$1,305.00	\$36,540.00	no	\$675.00	\$675.00	\$37,800.00
185	802	8 Inch Valve and Appurtenances	14	EA	\$1,650.00	\$23,100.00	no	\$795.00	\$795.00	\$22,260.00

					Engineer's Estimate		Shelly & Sands, Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
186	803	12 Inch x 8 Inch Tapping Sleeve and Valve and Appurtenances	1	EA	\$6,500.00	\$6,500.00	no	\$3,625.00	\$3,625.00	\$7,250.00
		16 Inch x 8 Inch Tapping Sleeve and Valve and Appurtenances	1	EA	\$7,500.00	\$7,500.00	no	\$4,112.50	\$4,112.50	\$8,225.00
187	803	Appurtenances	1	EA	\$7,500.00	\$7,500.00	no	\$4,112.50	\$4,112.50	\$8,225.00
188	805	3/4 Inch Water Service Tap, Transferred, Short	121	EA	\$1,250.00	\$151,250.00	no	\$1,250.00	\$1,250.00	\$302,500.00
189	805	3/4 Inch Water Service Tap, Transferred, Long	133	EA	\$1,600.00	\$212,800.00	no	\$1,375.00	\$1,375.00	\$365,750.00
190	805	1 Inch Water Service Tap, Transferred, Short	4	EA	\$2,000.00	\$8,000.00	no	\$1,375.00	\$1,375.00	\$11,000.00
191	805	1 Inch Water Service Tap, Transferred, Long	1	EA	\$2,000.00	\$2,000.00	no	\$1,625.00	\$1,625.00	\$3,250.00
192	805	1 1/2 Inch Water Service Tap, Transferred, Long	3	EA	\$2,400.00	\$7,200.00	no	\$1,945.00	\$1,945.00	\$11,670.00
193	805	1 1/2 Inch Curb Stop	1	EA	\$1,500.00	\$1,500.00	no	\$510.00	\$510.00	\$1,020.00
194	805	Curb Box (If Authorized)	262	EA	\$120.00	\$31,440.00	no	\$50.00	\$50.00	\$26,200.00
195	805	CI Ferrule Valve Box and Cover (If Authorized)	10	EA	\$175.00	\$1,750.00	no	\$175.00	\$175.00	\$3,500.00
196	808	Cut and Plug (Cap) 6 Inch Water Line	2	EA	\$2,000.00	\$4,000.00	no	\$300.00	\$300.00	\$1,200.00
197	808	Cut and Plug (Cap) 8 Inch Water Line	1	EA	\$2,000.00	\$2,000.00	no	\$300.00	\$300.00	\$600.00
198	808	Cut and Plug (Cap) 12 Inch Water Line	1	EA	\$2,000.00	\$2,000.00	no	\$395.00	\$395.00	\$790.00
199	809	Fire Hydrant	23	EA	\$2,700.00	\$62,100.00	no	\$1,875.00	\$1,875.00	\$86,250.00
200	810	6 Inch Hydrant Extensions (If Authorized)	5	EA	\$450.00	\$2,250.00	no	\$350.00	\$350.00	\$3,500.00
201	810	12 Inch Hydrant Extensions (If Authorized)	5	EA	\$500.00	\$2,500.00	no	\$375.00	\$375.00	\$3,750.00
202	810	18 Inch Hydrant Extensions (If Authorized)	5	EA	\$550.00	\$2,750.00	no	\$400.00	\$400.00	\$4,000.00
203	810	24 Inch Hydrant Extensions (If Authorized)	5	EA	\$600.00	\$3,000.00	no	\$425.00	\$425.00	\$4,250.00
204	811	Increase or Decrease in Excavation and Backfill (If Authorized)	100	CY	\$25.00	\$2,500.00	no	\$30.00	\$30.00	\$6,000.00
205	815	Crushed Stone or Gravel	139	CY	\$50.00	\$6,950.00	no	\$22.50	\$22.50	\$6,255.00
206	SPEC	1 1/2" Copper Tubing and Fittings	10	LF	\$90.00	\$900.00	no	\$100.00	\$100.00	\$2,000.00
207	SPEC	Heat Welding	142	SY	\$52.00	\$7,384.00	no	\$25.00	\$25.00	\$7,100.00
208	SPEC	Hold Electrical Pole	1	EA	\$1,000.00	\$1,000.00	no	\$317.80	\$317.80	\$635.60
209	SPEC	NTSS - 1HM Trackless Tack Coat	2,734	GAL	\$4.50	\$12,303.00	no	\$1.75	\$1.75	\$9,569.00
210	SPEC	Permanent Pavement	698	CY	\$220.00	\$153,560.00	no	\$99.00	\$99.00	\$138,204.00
211	SPEC	Project Identification Signs	4	EA	\$700.00	\$2,800.00	no	\$400.00	\$400.00	\$3,200.00
212	SPEC	Raised Intersection Replacement	2	EA	\$7,500.00	\$15,000.00	no	\$9,500.00	\$9,500.00	\$38,000.00
213	SPEC	Survey Coordinates	1	LS	\$12,000.00	\$12,000.00	no	\$500.00	\$19,500.00	\$20,000.00
214	SPEC	Temporary Water Main and Service Connections	1	LS	\$10,000.00	\$10,000.00	no	\$25,000.00	\$25,000.00	\$50,000.00
215	SPEC	Temporary Sediment and Erosion Control	1	LS	\$15,000.00	\$15,000.00	no	\$12,500.00	\$12,500.00	\$25,000.00
216	SPEC	Temporary Seeding and Mulching	2,257	SY	\$3.50	\$7,899.50	no	\$0.80	\$0.80	\$3,611.20
217	SPEC	Temporary Water Service Connection at Curb Stop (If Authorized)	10	EA	\$1,700.00	\$17,000.00	no	\$725.00	\$725.00	\$14,500.00
218	SPEC	Temporary Water Service within Buildings (If Authorized)	5	EA	\$3,200.00	\$16,000.00	no	\$750.00	\$750.00	\$7,500.00
219	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 155-218))	1	LS			no	\$144,833.27	\$144,833.28	\$289,666.55

\$2,588,419.00

\$3,186,332.10

Group No. 4: 14-078 Acton Road Area WL Imp's, CIP 690236-100061 Bond Funded (WATER)

					Engineer's Estimate		Shelly & Sands, Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
							(FBE) inactive C.C. 2. Confused about MBE/DBE info. Same amounts listed for MBE/DBE for both Water & Sewer...is it supposed to be separate, or, is info just duplicated on the forms?			

ORD #1536-2017, Division of Sewers & Drains & Water, Public Service Dept.
 Blueprint Clintonville: Blenheim/Glencoe Integrated Solution & Acton Road Area Water Line Imp's
 C.I.P. No's: 650870-100001 (DOSD); 690236-100061 (DOW); 530282-100117 (DPS)
 Bid Tabulation, Opened 5/17/17

					Engineer's Estimate		Trucco Construction Co., Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
Group No. 1: CC-17120 Blenheim/Glencoe Integrated Solution, CIP 650870-100001 WPCLF Loan Funded (SEWER)										
1	201	Clearing and Grubbing	1	LS	\$50,000.00	\$50,000.00	no	\$0.00	\$100,000.00	\$100,000.00
2	201	Tree Removed, 18 inch Size	12	EA	\$600.00	\$7,200.00	no	\$0.00	\$600.00	\$7,200.00
3	201	Tree Removed, 30 inch Size	2	EA	\$800.00	\$1,600.00	no	\$0.00	\$2,000.00	\$4,000.00
4	201	Tree Removed, Less than 18 inch Size	22	EA	\$400.00	\$8,800.00	no	\$0.00	\$400.00	\$8,800.00
5	202	Bench Removed and Disposed	2	EA	\$200.00	\$400.00	no	\$0.00	\$250.00	\$500.00
6	202	Bike Path Removed, including Subbase	5,160	SF	\$10.00	\$51,600.00	no	\$0.00	\$0.70	\$3,612.00
7	202	Catch Basin or Inlet Abandoned	4	EA	\$350.00	\$1,400.00	no	\$100.00	\$390.00	\$1,960.00
8	202	Catch Basin or Inlet Removed	8	EA	\$400.00	\$3,200.00	no	\$0.00	\$750.00	\$6,000.00
9	202	Curb and Gutter Removed	565	LF	\$5.50	\$3,107.50	no	\$0.00	\$6.10	\$3,446.50
10	202	Curb Removed, Straight 18"	5,820	LF	\$5.00	\$29,100.00	no	\$0.00	\$3.10	\$18,042.00
11	202	Fence Removed (Chain Link) and Disposed	175	LF	\$10.00	\$1,750.00	no	\$0.00	\$4.90	\$857.50
12	202	Flower Bed Removed	4	EA	\$90.00	\$360.00	no	\$0.00	\$250.00	\$1,000.00
13	202	Manhole Abandoned	10	EA	\$800.00	\$8,000.00	no	\$100.00	\$390.00	\$4,900.00
14	202	Manhole Removed	10	EA	\$900.00	\$9,000.00	no	\$0.00	\$750.00	\$7,500.00
15	202	Pipe Filled in Place	3,456	LF	\$15.00	\$51,840.00	no	\$3.00	\$4.00	\$24,192.00
16	202	Pipe Removed	2,029	LF	\$30.00	\$60,870.00	no	\$3.00	\$19.00	\$44,638.00
17	202	Walk Removed	5,084	SF	\$4.00	\$20,336.00	no	\$0.00	\$1.20	\$6,100.80
18	203	Excavation/Embankment (Bike Path)	150	CY	\$25.00	\$3,750.00	no	\$0.00	\$8.00	\$1,200.00
19	204	Subgrade Compaction	590	SY	\$3.25	\$1,917.50	no	\$0.00	\$3.80	\$2,242.00
20	207	Construction Seeding & Mulching (If Authorized)	24,475	SY	\$2.50	\$61,187.50	no	\$0.15	\$0.20	\$8,566.25
21	207	Inlet Protection	94	EA	\$115.00	\$10,810.00	no	\$65.00	\$40.00	\$9,870.00
22	207	Non-woven Geotextile Fabric	420	SY	\$4.00	\$1,680.00	no	\$0.75	\$1.95	\$1,134.00
23	207	Perimeter Filter Fabric Fence	21,322	LF	\$2.50	\$53,305.00	no	\$1.00	\$4.60	\$119,403.20
24	207	Stabilized Construction Entrance	198	SY	\$30.00	\$5,940.00	no	\$8.00	\$4.50	\$2,475.00
25	254	Planing, Asphalt Concrete	26,930	SY	\$2.50	\$67,325.00	no	\$0.00	\$2.20	\$59,246.00
26	259	Driveway Pavement Replacement, per 2201	2	CY	\$300.00	\$600.00	no	\$175.00	\$455.00	\$1,260.00
27	259	Driveway Pavement Replacement, Type IIIA	17	CY	\$350.00	\$5,950.00	no	\$200.00	\$650.00	\$14,450.00
28	259	Driveway Pavement Replacement, Type IIIB	148	CY	\$650.00	\$96,200.00	no	\$165.00	\$345.00	\$75,480.00
29	259	Permanent Pavement with Heat Weld, Per 1441	73	CY	\$350.00	\$25,550.00	no	\$125.00	\$1,575.00	\$124,100.00
30	259	Permanent Pavement without Heat Weld, Per 1441	1,647	CY	\$350.00	\$576,450.00	no	\$125.00	\$295.00	\$691,740.00
31	304	Aggregate Base, 6"	99	CY	\$60.00	\$5,940.00	no	\$27.00	\$66.00	\$9,207.00
32	448	Asphalt Concrete, Intermediate Course (Medium Traffic), PG70-22M	113	CY	\$200.00	\$22,600.00	no	\$120.00	\$35.00	\$17,515.00
33	448	Asphalt Concrete, Surface Course (Light Traffic), PG64-22	58	CY	\$130.00	\$7,540.00	no	\$125.00	\$105.00	\$13,340.00
34	448	Asphalt Concrete, Surface Course (Medium Traffic), PG64-22	1,082	CY	\$135.00	\$146,070.00	no	\$125.00	\$50.00	\$189,350.00
35	601	No. 57 Aggregate, Washed	875	CY	\$45.00	\$39,375.00	no	\$25.00	\$64.00	\$77,875.00
36	601	No. 8 Aggregate, Washed	219	CY	\$45.00	\$9,855.00	no	\$35.00	\$159.00	\$42,486.00

					Engineer's Estimate		Trucco Construction Co., Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
37	601	Rock Channel Protection, Type C with Filter	4	CY	\$100.00	\$400.00	no	\$50.00	\$112.00	\$648.00
38	603	4" Conduit, Type E (720.08) (If Authorized)	100	LF	\$8.50	\$850.00	no	\$16.00	\$59.00	\$7,500.00
		Catch Basin, Modified (Stormwater Wetland Outlet								
39	604	Structure)	1	EA	\$1,500.00	\$1,500.00	no	\$1,500.00	\$2,000.00	\$3,500.00
40	604	Curb Inlet Manhole (AA-S121)	1	EA	\$2,000.00	\$2,000.00	no	\$1,400.00	\$2,600.00	\$4,000.00
41	604	Endwall, 12" (AA-S169)	2	EA	\$1,000.00	\$2,000.00	no	\$170.00	\$780.00	\$1,900.00
42	604	Inlet Adjusted to Grade	9	EA	\$600.00	\$5,400.00	no	\$50.00	\$690.00	\$6,660.00
43	604	Manhole Adjusted to Grade (w/ Adjustment Ring)	54	EA	\$600.00	\$32,400.00	no	\$150.00	\$590.00	\$39,960.00
44	604	Manhole, Type C, 48" Base	71	EA	\$2,750.00	\$195,250.00	no	\$900.00	\$2,000.00	\$205,900.00
45	604	Manhole, Type C, 60" Base	11	EA	\$3,000.00	\$33,000.00	no	\$1,500.00	\$2,500.00	\$44,000.00
46	604	Manhole, Type C, 72" Base	9	EA	\$4,000.00	\$36,000.00	no	\$1,900.00	\$3,700.00	\$50,400.00
47	604	Manhole, Type E	1	EA	\$5,000.00	\$5,000.00	no	\$3,000.00	\$6,800.00	\$9,800.00
48	604	Standard Catch Basin (AA-S133B)	2	EA	\$1,400.00	\$2,800.00	no	\$600.00	\$1,800.00	\$4,800.00
49	604	Standard Curb and Gutter Inlet (AA-S125A)	5	EA	\$2,400.00	\$12,000.00	no	\$775.00	\$1,925.00	\$13,500.00
50	605	4" Pipe Underdrains	5,790	LF	\$8.50	\$49,215.00	no	\$2.00	\$6.30	\$48,057.00
51	605	8-Inch Schedule 80 Perforated PVC Underdrain & Fittings	2,982	LF	\$25.00	\$74,550.00	no	\$11.50	\$8.50	\$59,640.00
52	605	8-Inch Schedule 80 PVC Underdrain & Fittings (including								
		Cleanouts and Standpipe)	3,656	LF	\$25.00	\$91,400.00	no	\$75.00	\$68.00	\$522,808.00
53	608	Concrete Walk (4")	5,084	SF	\$6.00	\$30,504.00	no	\$2.00	\$9.50	\$58,466.00
54	608	Concrete Walk (4") (If Authorized)	5,000	SF	\$6.00	\$30,000.00	no	\$2.00	\$9.50	\$57,500.00
55	609	Combination Curb and Gutter, Type Standard, Per 2010	565	LF	\$30.00	\$16,950.00	no	\$5.75	\$10.85	\$9,379.00
56	609	Curb, Straight 18"	5,820	LF	\$25.00	\$145,500.00	no	\$5.00	\$12.00	\$98,940.00
57	614	Maintaining Traffic	1	LS	\$100,000.00	\$100,000.00	no	\$50,000.00	\$100,000.00	\$150,000.00
58	616	Water	20	MG	\$40.00	\$800.00	no	\$10.00	\$24.00	\$680.00
59	623	Construction Layout Stakes	1	LS	\$50,000.00	\$50,000.00	no	\$12,000.00	\$210,000.00	\$222,000.00
60	624	Mobilization	1	LS	\$100,000.00	\$100,000.00	no	\$50,000.00	\$350,000.00	\$400,000.00
61	630	2.5 inch Street Name Sign Support	2	EA	\$500.00	\$1,000.00	no	\$350.00	\$250.00	\$1,200.00
62	630	Ground Mounted Support, 3# Post	111	LF	\$10.00	\$1,110.00	no	\$6.50	\$8.50	\$1,665.00
63	630	Removal of Ground Mounted Sign and Disposal	14	EA	\$25.00	\$350.00	no	\$0.00	\$25.00	\$350.00
64	630	Removal of Ground Mounted Support and Disposal	14	EA	\$25.00	\$350.00	no	\$0.00	\$25.00	\$350.00
65	630	Sign, Flat Sheet	50	SF	\$25.00	\$1,250.00	no	\$10.00	\$15.00	\$1,250.00
66	630	Street Name Sign	3	SF	\$25.00	\$75.00	no	\$100.00	\$100.00	\$600.00
67	644	Center Line, 5"	284	LF	\$2.25	\$639.00	no	\$1.00	\$1.00	\$568.00
68	644	Crosswalk Line, 10'	74	LF	\$2.75	\$203.50	no	\$1.00	\$2.20	\$236.80
69	644	Lane Line, 5'	69	LF	\$0.50	\$34.50	no	\$0.50	\$0.50	\$69.00
70	644	Stop Line, 20"	28	LF	\$11.00	\$308.00	no	\$2.00	\$4.00	\$168.00
71	647	Shared Lane Marking, Type B90	1	EA	\$250.00	\$250.00	no	\$100.00	\$260.00	\$360.00
72	647	Speed Hump Marking	2	EA	\$175.00	\$350.00	no	\$50.00	\$84.00	\$268.00
73	653	Topsoil Furnished and Placed	2,718	CY	\$45.00	\$122,310.00	no	\$20.00	\$16.00	\$97,848.00
74	659	Native Seeding and Mulching, Per Plan	6,901	SY	\$3.50	\$24,153.50	no	\$0.25	\$1.75	\$13,802.00
75	659	Seeding and Mulching	17,568	SY	\$2.50	\$43,920.00	no	\$0.15	\$1.65	\$31,622.40
76	661	Deciduous Shrub, 3 Gal, Per Plan	153	EA	\$50.00	\$7,650.00	no	\$10.00	\$33.20	\$6,609.60
77	661	Ornamental Grasses, 3 Gal, Per Plan	2,902	EA	\$25.00	\$72,550.00	no	\$10.00	\$12.80	\$66,165.60
78	661	Perennials, 1 Gal, Per Plan	215	EA	\$15.00	\$3,225.00	no	\$5.00	\$9.60	\$3,139.00

					Engineer's Estimate		Trucco Construction Co., Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
79	661	Perennials, 3 Gal, Per Plan	2,686	EA	\$25.00	\$67,150.00	no	\$10.00	\$10.20	\$54,257.20
80	661	Sedges, 1 Gal, Per Plan	150	EA	\$15.00	\$2,250.00	no	\$5.00	\$12.30	\$2,595.00
81	662	Landscape Watering	22,668	GAL	\$0.75	\$17,001.00	no	\$0.20	\$0.20	\$9,067.20
82	670	Slope Erosion Protection Mat	22	SY	\$4.50	\$99.00	no	\$1.00	\$4.00	\$110.00
83	801	12 Inch Water Pipe and Fittings	52	LF	\$350.00	\$18,200.00	no	\$200.00	\$275.00	\$24,700.00
84	801	6 Inch Water Pipe and Fittings	766	LF	\$90.00	\$68,940.00	no	\$45.00	\$205.00	\$191,500.00
85	801	8 Inch Water Pipe and Fittings	1,912	LF	\$100.00	\$191,200.00	no	\$50.00	\$105.00	\$296,360.00
86	801	Concrete Blocking Class C, Increase or Decrease (If Authorized)	139	CY	\$125.00	\$17,375.00	no	\$115.00	\$135.00	\$34,750.00
87	801	Ductile Iron Fittings, Increase or Decrease (If Authorized)	9,365	LB	\$2.50	\$23,412.50	no	\$3.00	\$1.00	\$37,460.00
88	802	6 Inch Valve and Appurtenances	5	EA	\$1,305.00	\$6,525.00	no	\$1,200.00	\$600.00	\$9,000.00
89	802	8 Inch Valve and Appurtenances	4	EA	\$1,650.00	\$6,600.00	no	\$1,500.00	\$800.00	\$9,200.00
90	805	1 Inch Water Service Tap, Transferred	9	EA	\$2,000.00	\$18,000.00	no	\$550.00	\$2,750.00	\$29,700.00
91	805	1 Inch Water Service Tap, Transferred (If Authorized)	5	EA	\$2,000.00	\$10,000.00	no	\$550.00	\$2,750.00	\$16,500.00
92	805	3/4 Inch Water Service Tap, Transferred	78	EA	\$1,600.00	\$124,800.00	no	\$450.00	\$2,650.00	\$241,800.00
93	805	3/4 Inch Water Service Tap, Transferred (If Authorized)	15	EA	\$1,600.00	\$24,000.00	no	\$450.00	\$2,650.00	\$46,500.00
94	807	Valve Boxes Adjusted to Grade	5	EA	\$200.00	\$1,000.00	no	\$75.00	\$305.00	\$1,900.00
95	808	Cut and Plug (Cap) 12 Inch Water Line	2	EA	\$2,000.00	\$4,000.00	no	\$400.00	\$2,000.00	\$4,800.00
96	808	Cut and Plug (Cap) 6 Inch Water Line	28	EA	\$2,000.00	\$56,000.00	no	\$200.00	\$1,280.00	\$41,440.00
97	809	Fire Hydrant	5	EA	\$2,700.00	\$13,500.00	no	\$1,500.00	\$1,700.00	\$16,000.00
98	810	6 Inch Fire Hydrant Extension (If Authorized)	5	EA	\$450.00	\$2,250.00	no	\$250.00	\$440.00	\$3,450.00
99	811	Increase or Decrease in Excavation and Backfill (If Authorized)	331	CY	\$25.00	\$8,275.00	no	\$28.00	\$41.00	\$22,839.00
100	816	1 Inch Water Service Tap, Relocated	12	EA	\$925.00	\$11,100.00	no	\$400.00	\$2,600.00	\$36,000.00
101	816	1 Inch Water Service Tap, Relocated (If Authorized)	5	EA	\$925.00	\$4,625.00	no	\$400.00	\$2,400.00	\$14,000.00
102	816	3/4 Inch Water Service Tap, Relocated	91	EA	\$800.00	\$72,800.00	no	\$300.00	\$2,500.00	\$254,800.00
103	816	3/4 Inch Water Service Tap, Relocated (If Authorized)	15	EA	\$800.00	\$12,000.00	no	\$300.00	\$2,400.00	\$40,500.00
104	901	12 Inch Pipe, RCP, with Type I Bedding and Item 911	2,165	LF	\$60.00	\$129,900.00	no	\$14.00	\$61.00	\$162,375.00
105	901	12 Inch Pipe, C900, with Type I Bedding and Item 912	193	LF	\$115.00	\$22,195.00	no	\$33.00	\$117.00	\$28,950.00
106	901	12 Inch Pipe, RCP, with Type I Bedding and Item 912	682	LF	\$75.00	\$51,150.00	no	\$45.00	\$82.00	\$86,614.00
107	901	15 Inch Pipe, C905, with Type I Bedding and Item 912	555	LF	\$125.00	\$69,375.00	no	\$43.00	\$113.00	\$86,580.00
108	901	15 Inch Pipe, RCP, with Type I Bedding and Item 912	28	LF	\$85.00	\$2,380.00	no	\$31.00	\$73.00	\$2,912.00
109	901	18 Inch Pipe, C905, with Type I Bedding and Item 912	130	LF	\$150.00	\$19,500.00	no	\$50.00	\$104.00	\$20,020.00
110	901	18 Inch Pipe, RCP, with Type I Bedding and Item 912	220	LF	\$125.00	\$27,500.00	no	\$45.00	\$111.00	\$34,320.00
111	901	24 Inch Pipe, C905, with Type I Bedding and Item 912	362	LF	\$175.00	\$63,350.00	no	\$75.00	\$135.00	\$76,020.00
112	901	24 Inch Pipe, RCP, with Type I Bedding and Item 912	175	LF	\$150.00	\$26,250.00	no	\$60.00	\$108.00	\$29,400.00
113	901	29 Inch x 45 Inch Elliptical Pipe with Gasketed Joints, RCP, with Type I Bedding and Item 912	49	LF	\$300.00	\$14,700.00	no	\$150.00	\$350.00	\$24,500.00
114	901	30 Inch Pipe, RCP, with Type I Bedding and Item 912	1,254	LF	\$150.00	\$188,100.00	no	\$70.00	\$135.00	\$257,070.00
115	901	36 Inch Pipe, C905, with Type I Bedding and Item 912	1,190	LF	\$225.00	\$267,750.00	no	\$120.00	\$160.00	\$333,200.00
116	901	36 Inch Pipe, RCP, with Type I Bedding and Item 912	1,329	LF	\$175.00	\$232,575.00	no	\$95.00	\$155.00	\$332,250.00
117	901	8 Inch Pipe, C900, with Type I Bedding and Item 912	10,531	LF	\$35.00	\$368,585.00	no	\$33.00	\$115.00	\$1,558,588.00
118	903	Rock Excavation (If Authorized)	25	CY	\$75.00	\$1,875.00	no	\$9.00	\$100.00	\$2,725.00
119	906	Stone Foundation (If Authorized)	25	CY	\$50.00	\$1,250.00	no	\$25.00	\$50.00	\$1,875.00

					Engineer's Estimate		Trucco Construction Co., Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
120	910	Plain Concrete Encasement of 36" Pipe	980	LF	\$50.00	\$49,000.00	no	\$55.00	\$33.00	\$86,240.00
121	1001	Circuit Cable (Underground), MIS-14	12,160	LF	\$3.00	\$36,480.00	no	\$2.00	\$2.00	\$48,640.00
122	1001	Conduit, MIS-18 (If Authorized)	12,160	LF	\$10.00	\$121,600.00	no	\$2.00	\$10.70	\$154,432.00
123	1602	Excavation for Green Infrastructure Facilities	9,310	CY	\$25.00	\$232,750.00	no	\$10.00	\$33.00	\$400,330.00
124	1603	Tree Protection Fencing, Per Plan	11,001	LF	\$10.00	\$110,010.00	no	\$1.50	\$4.20	\$62,705.70
125	1604	Bioretention Mulch	5,884	CF	\$2.25	\$13,239.00	no	\$1.00	\$1.90	\$17,063.60
126	1604	Bioretention Soil	57,311	CF	\$2.00	\$114,622.00	no	\$1.50	\$2.90	\$252,168.40
127	1604	Edging, PVC/Steel	10,549	LF	\$2.50	\$26,372.50	no	\$3.00	\$5.50	\$89,666.50
128	1609	Green Infrastructure Period of Establishment Season 2	1	LS	\$100,000.00	\$100,000.00	no	\$5,000.00	\$68,000.00	\$73,000.00
129	SPEC	22' Speed Hump	2	EA	\$5,000.00	\$10,000.00	no	\$2,500.00	\$5,000.00	\$15,000.00
130	SPEC	8" Gate Valve with Housing (ASAHI-America GT-A, or approved equal)	226	EA	\$1,700.00	\$384,200.00	no	\$2,200.00	\$600.00	\$632,800.00
131	SPEC	Anti-Infiltration and Inflow Barrier, Type A	6	EA	\$140.00	\$840.00	no	\$100.00	\$390.00	\$2,940.00
132	SPEC	Anti-Infiltration and Inflow Barrier, Type B	6	EA	\$140.00	\$840.00	no	\$100.00	\$860.00	\$5,760.00
133	SPEC	As-Built Coordinate Table - Water	1	LS	\$5,000.00	\$5,000.00	no	\$1,100.00	\$9,000.00	\$10,100.00
134	SPEC	Boulders, Per Plan	20	EA	\$225.00	\$4,500.00	no	\$160.00	\$200.00	\$7,200.00
135	SPEC	Clean Existing Storm Sewer (If Authorized)	5,000	LF	\$5.00	\$25,000.00	no	\$2.00	\$8.00	\$50,000.00
136	SPEC	CPM Schedule	1	LS	\$12,000.00	\$12,000.00	no	\$0.00	\$22,000.00	\$22,000.00
137	SPEC	Educational Signage, Flat Sheet and Support, 36.5" W x 24.5" H	1	EA	\$1,000.00	\$1,000.00	no	\$500.00	\$1,000.00	\$1,500.00
137b	SPEC	Existing Flower Bed to be Documented and Replaced In-Kind - ALLOWANCE	1	EA	\$1,000.00	\$1,000.00	yes	\$1,500.00	\$2,300.00	\$3,800.00
138	SPEC	GI Monitoring Location - ALLOWANCE	3	EA	\$5,000.00	\$15,000.00	no	\$5,000.00	\$0.00	\$15,000.00
139	SPEC	Grass Pavers, including Subbase	2,407	SF	\$7.00	\$16,849.00	no	\$4.25	\$5.25	\$22,866.50
140	SPEC	Inlet Adjusted (If Authorized)	10	EA	\$365.00	\$3,650.00	no	\$100.00	\$460.00	\$5,600.00
141	SPEC	NTSS - 1HM Trackless Tack Coat	2,918	GAL	\$4.50	\$13,131.00	no	\$2.50	\$1.00	\$10,213.00
142	SPEC	Project Identification Signs	2	EA	\$700.00	\$1,400.00	no	\$300.00	\$100.00	\$800.00
143	SPEC	Raised Intersection Markings	2	EA	\$500.00	\$1,000.00	no	\$270.00	\$800.00	\$2,140.00
144	SPEC	Raised Intersection Replacement	1	EA	\$7,500.00	\$7,500.00	no	\$10,000.00	\$15,000.00	\$25,000.00
145	SPEC	River Cobbles, 4 to 8-Inch Diameter	93	CY	\$120.00	\$11,160.00	no	\$75.00	\$475.00	\$51,150.00
146	SPEC	Sanitary Service Relocated/Repaired (If Authorized)	132	EA	\$2,200.00	\$290,400.00	no	\$600.00	\$1,700.00	\$303,600.00
147	SPEC	Stormwater Entrance, Curb and Gutter, Per Plan	17	EA	\$1,050.00	\$17,850.00	no	\$45.00	\$485.00	\$9,010.00
148	SPEC	Stormwater Entrance, Straight 18" Curb, Per Plan	198	EA	\$1,050.00	\$207,900.00	no	\$35.00	\$485.00	\$102,960.00
149	SPEC	Tree, Quercus Alba, White Oak, B&B, 2" Caliper (If Authorized)	10	EA	\$375.00	\$3,750.00	no	\$200.00	\$150.00	\$3,500.00
150	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 1-149))	1	LS			no	\$1,091,346.28	\$0.00	\$1,091,346.28
						\$6,853,437.00	\$12,005,157.03			
Group No. 2: CC-17120 Blenheim/Glencoe Integrated Solution, CIP 650870-100001 Bond Funded (SEWER)										
151	608	Curb Ramps	32	EA	\$1,000.00	\$32,000.00	no	\$75.00	\$116.00	\$6,112.00
152	608	Detectable Warning, Type "D"	6	EA	\$150.00	\$900.00	no	\$200.00	\$150.00	\$2,100.00

					Engineer's Estimate		Trucco Construction Co., Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
153	608	Detectable Warning, Type "E"	32	EA	\$150.00	\$4,800.00	no	\$200.00	\$150.00	\$11,200.00
154	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 151-153))	1	LS			no	\$1,941.20	\$0.00	\$1,941.20
						\$37,700.00				
Group No. 3: 14-078 Acton Road Area WL Imp's, CIP 690236-100061 WSRLA Loan Funded (WATER)										
155	201	Clearing and Grubbing	1	LS	\$5,000.00	\$5,000.00	no	\$0.00	\$5,000.00	\$5,000.00
156	201	Tree Removed, 18 inch size	1	EA	\$600.00	\$600.00	no	\$0.00	\$600.00	\$600.00
157	202	Curb Removed	3,417	LF	\$5.00	\$17,085.00	no	\$0.00	\$3.10	\$10,592.70
158	202	Pipe Removed	750	LF	\$30.00	\$22,500.00	no	\$3.00	\$23.00	\$19,500.00
159	254	Planing, Asphalt Concrete	18,185	SY	\$2.50	\$45,462.50	no	\$0.00	\$2.20	\$40,007.00
160	259	Driveway Pavement Replacement, Type IIIA	4	CY	\$350.00	\$1,400.00	no	\$200.00	\$350.00	\$2,200.00
161	259	Driveway Pavement Replacement, Type IIIB	171	CY	\$650.00	\$111,150.00	no	\$165.00	\$335.00	\$85,500.00
162	448	Asphalt Concrete, Intermediate Course, (Medium Traffic), PG70-22	202	CY	\$200.00	\$40,400.00	no	\$120.00	\$35.00	\$31,310.00
163	448	Asphalt Concrete, Surface Course (Medium Traffic), PG64-22	748	CY	\$135.00	\$100,980.00	no	\$125.00	\$50.00	\$130,900.00
164	605	4" Pipe Underdrains	4,449	LF	\$8.50	\$37,816.50	no	\$2.00	\$6.30	\$36,926.70
165	608	Concrete Walk (4")	3,774	SF	\$6.00	\$22,644.00	no	\$2.00	\$9.50	\$43,401.00
166	608	Concrete Walk (8")	760	SF	\$24.00	\$18,240.00	no	\$4.00	\$25.00	\$22,040.00
167	609	Combination Curb and Gutter, Type Standard(If Authorized)	100	LF	\$140.00	\$14,000.00	no	\$5.75	\$10.95	\$1,670.00
168	609	Curb, Straight 18"	4,449	LF	\$25.00	\$111,225.00	no	\$5.00	\$12.00	\$75,633.00
169	609	Curb, Straight 18" (If Authorized)	100	LF	\$25.00	\$2,500.00	no	\$5.00	\$12.10	\$1,710.00
170	609	Sandstone Curb	190	LF	\$250.00	\$47,500.00	no	\$50.00	\$50.00	\$19,000.00
171	614	Maintaining Traffic	1	LS	\$50,000.00	\$50,000.00	no	\$20,000.00	\$60,000.00	\$80,000.00
172	615	Temporary Pavement	2,781	SY	\$7.00	\$19,467.00	no	\$15.00	\$31.00	\$127,926.00
173	632	Detector Loop, As Per Plan	1	EA	\$1,000.00	\$1,000.00	no	\$1,200.00	\$1,300.00	\$2,500.00
174	653	Topsoil Furnished and Placed	182	CY	\$45.00	\$8,190.00	no	\$20.00	\$23.00	\$7,826.00
175	659	Seeding and Mulching	2,257	SY	\$2.50	\$5,642.50	no	\$0.15	\$1.65	\$4,062.60
176	661	Deciduous Tree, 3" Caliper, American Hop Hornbeam	5	EA	\$700.00	\$3,500.00	no	\$400.00	\$186.00	\$2,930.00
177	661	Deciduous Tree, 3" Caliper, Boulevard American Linden	5	EA	\$700.00	\$3,500.00	no	\$320.00	\$144.60	\$2,323.00
178	661	Deciduous Tree, 3" Caliper, Bitternut Hickory	5	EA	\$700.00	\$3,500.00	no	\$200.00	\$140.40	\$1,702.00
179	801	6 Inch Water Pipe and Fittings	1,536	LF	\$90.00	\$138,240.00	no	\$45.00	\$120.00	\$253,440.00
180	801	8 Inch Water Pipe and Fittings	8,864	LF	\$100.00	\$886,400.00	no	\$50.00	\$104.00	\$1,365,056.00
181	801	12 Inch Water Pipe and Fittings	25	LF	\$350.00	\$8,750.00	no	\$200.00	\$450.00	\$16,250.00
182	801	Concrete Blocking Class C, Increase or Decrease (If Authorized)	50	CY	\$125.00	\$6,250.00	no	\$115.00	\$135.00	\$12,500.00
183	801	Ductile Iron Fittings, Increase or Decrease (If Authorized)	2,000	LB	\$2.50	\$5,000.00	no	\$3.00	\$1.00	\$8,000.00
184	802	6 Inch Valve and Appurtenances	28	EA	\$1,305.00	\$36,540.00	no	\$1,200.00	\$600.00	\$50,400.00
185	802	8 Inch Valve and Appurtenances	14	EA	\$1,650.00	\$23,100.00	no	\$1,500.00	\$800.00	\$32,200.00

					Engineer's Estimate		Trucco Construction Co., Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
186	803	12 Inch x 8 Inch Tapping Sleeve and Valve and Appurtenances	1	EA	\$6,500.00	\$6,500.00	no	\$2,500.00	\$8,100.00	\$10,600.00
		16 Inch x 8 Inch Tapping Sleeve and Valve and Appurtenances	1	EA	\$7,500.00	\$7,500.00	no	\$2,500.00	\$7,200.00	\$9,700.00
187	803	Appurtenances	1	EA	\$7,500.00	\$7,500.00	no	\$2,500.00	\$7,200.00	\$9,700.00
188	805	3/4 Inch Water Service Tap, Transferred, Short	121	EA	\$1,250.00	\$151,250.00	no	\$500.00	\$2,500.00	\$363,000.00
189	805	3/4 Inch Water Service Tap, Transferred, Long	133	EA	\$1,600.00	\$212,800.00	no	\$600.00	\$2,700.00	\$438,900.00
190	805	1 Inch Water Service Tap, Transferred, Short	4	EA	\$2,000.00	\$8,000.00	no	\$600.00	\$2,400.00	\$12,000.00
191	805	1 Inch Water Service Tap, Transferred, Long	1	EA	\$2,000.00	\$2,000.00	no	\$700.00	\$2,800.00	\$3,500.00
192	805	1 1/2 Inch Water Service Tap, Transferred, Long	3	EA	\$2,400.00	\$7,200.00	no	\$1,200.00	\$2,900.00	\$12,300.00
193	805	1 1/2 Inch Curb Stop	1	EA	\$1,500.00	\$1,500.00	no	\$500.00	\$1,050.00	\$1,550.00
194	805	Curb Box (If Authorized)	262	EA	\$120.00	\$31,440.00	no	\$55.00	\$110.00	\$43,230.00
195	805	CI Ferrule Valve Box and Cover (If Authorized)	10	EA	\$175.00	\$1,750.00	no	\$55.00	\$205.00	\$2,600.00
196	808	Cut and Plug (Cap) 6 Inch Water Line	2	EA	\$2,000.00	\$4,000.00	no	\$200.00	\$1,280.00	\$2,960.00
197	808	Cut and Plug (Cap) 8 Inch Water Line	1	EA	\$2,000.00	\$2,000.00	no	\$300.00	\$2,500.00	\$2,800.00
198	808	Cut and Plug (Cap) 12 Inch Water Line	1	EA	\$2,000.00	\$2,000.00	no	\$400.00	\$2,000.00	\$2,400.00
199	809	Fire Hydrant	23	EA	\$2,700.00	\$62,100.00	no	\$1,500.00	\$1,600.00	\$71,300.00
200	810	6 Inch Hydrant Extensions (If Authorized)	5	EA	\$450.00	\$2,250.00	no	\$250.00	\$440.00	\$3,450.00
201	810	12 Inch Hydrant Extensions (If Authorized)	5	EA	\$500.00	\$2,500.00	no	\$275.00	\$465.00	\$3,700.00
202	810	18 Inch Hydrant Extensions (If Authorized)	5	EA	\$550.00	\$2,750.00	no	\$325.00	\$465.00	\$3,950.00
203	810	24 Inch Hydrant Extensions (If Authorized)	5	EA	\$600.00	\$3,000.00	no	\$375.00	\$465.00	\$4,200.00
204	811	Increase or Decrease in Excavation and Backfill (If Authorized)	100	CY	\$25.00	\$2,500.00	no	\$28.00	\$41.00	\$6,900.00
205	815	Crushed Stone or Gravel	139	CY	\$50.00	\$6,950.00	no	\$46.00	\$47.00	\$12,927.00
206	SPEC	1 1/2" Copper Tubing and Fittings	10	LF	\$90.00	\$900.00	no	\$23.00	\$98.00	\$1,210.00
207	SPEC	Heat Welding	142	SY	\$52.00	\$7,384.00	no	\$10.00	\$40.00	\$7,100.00
208	SPEC	Hold Electrical Pole	1	EA	\$1,000.00	\$1,000.00	no	\$500.00	\$500.00	\$1,000.00
209	SPEC	NTSS - 1HM Trackless Tack Coat	2,734	GAL	\$4.50	\$12,303.00	no	\$2.50	\$1.00	\$9,569.00
210	SPEC	Permanent Pavement	698	CY	\$220.00	\$153,560.00	no	\$125.00	\$335.00	\$321,080.00
211	SPEC	Project Identification Signs	4	EA	\$700.00	\$2,800.00	no	\$200.00	\$200.00	\$1,600.00
212	SPEC	Raised Intersection Replacement	2	EA	\$7,500.00	\$15,000.00	no	\$10,000.00	\$10,000.00	\$40,000.00
213	SPEC	Survey Coordinates	1	LS	\$12,000.00	\$12,000.00	no	\$1,900.00	\$15,000.00	\$16,900.00
214	SPEC	Temporary Water Main and Service Connections	1	LS	\$10,000.00	\$10,000.00	no	\$20,000.00	\$56,000.00	\$76,000.00
215	SPEC	Temporary Sediment and Erosion Control	1	LS	\$15,000.00	\$15,000.00	no	\$1,000.00	\$7,000.00	\$8,000.00
216	SPEC	Temporary Seeding and Mulching	2,257	SY	\$3.50	\$7,899.50	no	\$0.15	\$0.20	\$789.95
217	SPEC	Temporary Water Service Connection at Curb Stop (If Authorized)	10	EA	\$1,700.00	\$17,000.00	no	\$60.00	\$1,640.00	\$17,000.00
218	SPEC	Temporary Water Service within Buildings (If Authorized)	5	EA	\$3,200.00	\$16,000.00	no	\$100.00	\$1,400.00	\$7,500.00
219	SPEC	Force Account (10% of Bidder's Subtotal (Sum of Reference # 155-218))	1	LS			no	\$401,282.20	\$0.00	\$401,282.20
						\$2,588,419.00	\$4,414,104.15			
Group No. 4: 14-078 Acton Road Area WL Imp's, CIP 690236-100061 Bond Funded (WATER)										

					Engineer's Estimate		Trucco Construction Co., Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
220	608	Curb Ramps	29	EA	\$1,000.00	\$29,000.00	no	\$75.00	\$116.00	\$5,539.00
221	608	Detectable Warning, Type "E"	29	EA	\$150.00	\$4,350.00	no	\$200.00	\$150.00	\$10,150.00
		Force Account (10% of Bidder's Subtotal (Sum of Reference					no	\$1,568.90	\$0.00	\$1,568.90
222	SPEC	# 220-221))	1	LS						
						\$33,350.00	\$17,257.90			
Group No. 5: 14-078 Dept. of Public Service Bond Funded (DPS)										
223	202	Curb Removed	1,052	LF	\$5.00	\$5,260.00	no	\$0.00	\$3.10	\$3,261.20
224	251	Partial Depth Pavement Replacement, As Per Plan	754	CY	\$200.00	\$150,800.00	no	\$120.00	\$110.00	\$173,420.00
225	254	Planing, Asphalt Concrete	4,150	SY	\$2.50	\$10,375.00	no	\$0.00	\$2.20	\$9,130.00
226	448	Asphalt Concrete, Intermediate Course, (Medium Traffic), PG70-22	144	CY	\$200.00	\$28,800.00	no	\$120.00	\$35.00	\$22,320.00
227	448	Asphalt Concrete, Surface Course, (Medium Traffic), PG64-22	144	CY	\$135.00	\$19,440.00	no	\$125.00	\$50.00	\$25,200.00
228	604	Inlet Adjusted to Grade	2	EA	\$600.00	\$1,200.00	no	\$50.00	\$690.00	\$1,480.00
229	604	Manhole Adjusted to Grade (w/ Adjustment Ring)	8	EA	\$600.00	\$4,800.00	no	\$150.00	\$590.00	\$5,920.00
230	605	4" Pipe Underdrains	1,219	LF	\$8.50	\$10,361.50	no	\$2.00	\$6.30	\$10,117.70
231	608	Curb Ramps	4	EA	\$1,000.00	\$4,000.00	no	\$75.00	\$116.00	\$764.00
232	608	Detectable Warning, Type "E"	4	EA	\$150.00	\$600.00	no	\$200.00	\$150.00	\$1,400.00
233	609	Curb, Straight 18"	1,052	LF	\$25.00	\$26,300.00	no	\$5.00	\$12.20	\$18,094.40
234	653	Topsoil Furnished and Placed	54	CY	\$45.00	\$2,430.00	no	\$20.00	\$23.00	\$2,322.00
235	659	Seeding and Mulching	485	SY	\$2.50	\$1,212.50	no	\$0.15	\$1.65	\$873.00
236	SPEC	Asphalt Rejuvenating Agent	13,191	SY	\$2.10	\$27,701.10	no	\$0.40	\$0.50	\$11,871.90
237	SPEC	NTSS - 1HM Trackless Tack Coat	332	GAL	\$4.50	\$1,494.00	no	\$2.50	\$1.00	\$1,162.00
238	SPEC	Stress Absorbing Membrane Interlayer, Type I	13,191	SY	\$4.00	\$52,764.00	no	\$1.00	\$3.90	\$64,635.90
239	SPEC	Force Acct. (10% of Sum of Ref. No's 223-238)								\$35,197.21
					\$347,538.10		\$387,169.31			
					Force Acct. \$986,044.41					
GRAND TOTAL:			\$10,846,488.51							\$16,845,041.59
% DIFFERENCE FROM ENGINEER'S ESTIMATE							55.30%			
% DIFFERENCE WITHIN LOWEST BIDDER							23.66%			
(3) Addendum Ackldgmnts. Completed?							yes			
Contract Compliance No.							31-1293605 (exp. 5/6/18, MAJ, 4988)			
Bid Proposal Signature Affidavit Completed?							yes			
Bonding Company (Form B2)							Guarantee Co. of North America			
Proposed Subs listed?							Did not list MBE/FBE subs in Form B5.			
Bid Affidavit Complete? (Form B9)							yes			
Prime & (applicable) Subs Prequalified to Bid?							yes			
Applicable Loan Forms Included? (B10, 11, 12.2, 12.3, Iron/Steel)							yes (M.S. Trucking, CAF Enterprises, U.S. Bir)			

1. Corrected Force Account & Grand Total.

					Engineer's Estimate		Trucco Construction Co., Inc.			
Ref. No.	Item No.	Description	Qty	Units	Unit Price	Extension	Alt.	Materials	Labor	Extension
			2. M.S. Trucking (FBE) inactive C.C.							

Sewer:	650870-100001	WPCLF Loan Funded	\$9,459,159.60
Sewer:	650870-100001	Bond Funded	\$51,777.00
			\$9,510,936.60
Water	690236-100061	WSRLA Loan Funded	\$3,562,282.69
Water	690236-100061	Bond Funded	\$45,298.00
			\$3,607,580.69
DPS	530282-100117	Bond Funded	\$503,013.50

GRAND TOTAL: \$13,621,530.79