

CITY OF PIQUA, OHIO
 WATER TREATMENT PLANT OFF-SITE PIPELINES
 PROJECT 13-14
 Construction Cost Bid Tabulations
 Bids Received October 30, 2014, 2:00 pm

BASE BID ITEMS				Engineer's Opinion of Probable Construction Cost		J&J Schlaegel, Inc.				Kelchner, Inc.				Howell Contractors, Inc.				VTF Excavation LLC				Fields Excavating, Inc.			
Item	Bid Item	Estimated Quantity	Unit	Unit Cost	Total Cost/Item	Unit Cost			Total Cost/Item (Est. Quantity x Total Unit Price)	Unit Cost			Total Cost/Item (Est. Quantity x Total Unit Price)	Unit Cost			Total Cost/Item (Est. Quantity x Total Unit Price)	Unit Cost			Total Cost/Item (Est. Quantity x Total Unit Price)				
						Labor	Materials	Total Unit Cost (Labor+Materials)		Labor	Materials	Total Unit Cost (Labor+Materials)		Labor	Materials	Total Unit Cost (Labor+Materials)		Labor	Materials	Total Unit Cost (Labor+Materials)					
1	Mobilization/Demobilization	1	LS	\$ 196,700	\$ 196,700	\$ 68,672.00	\$ 38,000.00	\$ 106,672.00	\$ 106,672.00	\$ 70,884.78	\$ 94,115.22	\$ 165,000.00	\$ 165,000.00	\$ 35,000.00	\$ 40,000.00	\$ 75,000.00	\$ 75,000.00	\$ 44,448.69	\$ 141,833.88	\$ 186,282.57	\$ 186,282.57	\$ 31,250.00	\$ 118,750.00	\$ 150,000.00	\$ 150,000.00
2	Audio/Video Pre-Construction Documentation	1	LS	\$ 1,900	\$ 1,900	\$ 7,500.00	\$ 500.00	\$ 8,000.00	\$ 8,000.00	-	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 1,500.00	\$ 500.00	\$ 2,000.00	\$ 2,000.00	\$ 4,971.48	\$ -	\$ 4,971.48	\$ 4,971.48	\$ 3,500.00	\$ 2,500.00	\$ 6,000.00	\$ 6,000.00
3	24-in DIP Finished Water Main, Type 'B' Backfill	3,508	LF	\$ 259	\$ 908,572	\$ 53.45	\$ 117.81	\$ 171.26	\$ 600,780.08	\$ 38.06	\$ 168.94	\$ 207.00	\$ 726,156.00	\$ 100.00	\$ 100.00	\$ 200.00	\$ 701,600.00	\$ 32.85	\$ 167.39	\$ 200.24	\$ 702,441.92	\$ 43.75	\$ 176.25	\$ 220.00	\$ 771,760.00
4	24-in DIP Finished Water Main, Type 'C' Backfill	2,125	LF	\$ 244	\$ 518,500	\$ 65.45	\$ 106.64	\$ 172.09	\$ 365,691.25	\$ 28.58	\$ 138.42	\$ 167.00	\$ 354,875.00	\$ 90.00	\$ 90.00	\$ 180.00	\$ 382,500.00	\$ 32.17	\$ 173.10	\$ 205.27	\$ 436,198.75	\$ 46.31	\$ 151.69	\$ 198.00	\$ 420,750.00
5	24-in PVC Raw Water Main, Type 'B' Backfill	1,411	LF	\$ 182	\$ 256,802	\$ 53.45	\$ 96.81	\$ 150.26	\$ 212,016.86	\$ 34.29	\$ 163.71	\$ 198.00	\$ 279,378.00	\$ 95.00	\$ 95.00	\$ 190.00	\$ 268,090.00	\$ 33.47	\$ 134.03	\$ 167.50	\$ 236,342.50	\$ 38.25	\$ 138.75	\$ 177.00	\$ 249,747.00
6	24-in PVC Raw Water Main, Type 'C' Backfill	4,006	LF	\$ 154	\$ 616,924	\$ 65.45	\$ 85.19	\$ 150.64	\$ 603,463.84	\$ 28.12	\$ 90.88	\$ 119.00	\$ 476,714.00	\$ 85.00	\$ 85.00	\$ 170.00	\$ 681,020.00	\$ 25.03	\$ 137.90	\$ 162.93	\$ 652,697.58	\$ 38.74	\$ 115.26	\$ 154.00	\$ 616,924.00
7	Jack and Bore Raw Water Main	309	LF	\$ 855	\$ 264,195	\$ 505.00	\$ 95.00	\$ 600.00	\$ 185,400.00	\$ 32.51	\$ 557.49	\$ 590.00	\$ 182,310.00	\$ 300.00	\$ 300.00	\$ 600.00	\$ 185,400.00	\$ 22.51	\$ 630.52	\$ 653.03	\$ 201,786.27	\$ 30.00	\$ 1,000.00	\$ 1,030.00	\$ 318,270.00
8	Horizontal Directional Drilling – 6-in HDPE Sludge Main	3,233	LF	\$ 113	\$ 365,329	\$ 20.36	\$ 11.14	\$ 31.50	\$ 101,839.50	\$ 8.76	\$ 29.24	\$ 38.00	\$ 122,854.00	\$ 30.00	\$ 25.00	\$ 55.00	\$ 177,815.00	\$ 5.80	\$ 33.14	\$ 38.94	\$ 125,893.02	\$ 4.75	\$ 25.25	\$ 30.00	\$ 96,990.00
9	Existing 20-in CI Water Main Relocation (DIP)	321	LF	\$ 249	\$ 79,929	\$ 65.44	\$ 204.11	\$ 269.55	\$ 86,525.55	\$ 88.63	\$ 166.37	\$ 255.00	\$ 81,855.00	\$ 160.00	\$ 160.00	\$ 320.00	\$ 102,720.00	\$ 124.15	\$ 235.46	\$ 359.61	\$ 115,434.81	\$ 62.00	\$ 241.00	\$ 303.00	\$ 97,263.00
10	Existing 24-in PCCP Water Main Relocation (DIP)	328	LF	\$ 281	\$ 92,168	\$ 95.94	\$ 249.86	\$ 345.80	\$ 113,422.40	\$ 95.44	\$ 174.56	\$ 270.00	\$ 88,560.00	\$ 170.00	\$ 175.00	\$ 345.00	\$ 113,160.00	\$ 119.17	\$ 294.43	\$ 413.60	\$ 135,660.80	\$ 62.00	\$ 298.00	\$ 360.00	\$ 118,080.00
11	20-in By-Pass Connection at Existing WTP	1	LS	\$ 17,247	\$ 17,247	\$ 27,000.00	\$ 15,000.00	\$ 42,000.00	\$ 42,000.00	\$ 1,510.54	\$ 27,489.46	\$ 29,000.00	\$ 29,000.00	\$ 16,000.00	\$ 16,500.00	\$ 32,500.00	\$ 32,500.00	\$ 13,061.47	\$ 23,877.69	\$ 36,939.16	\$ 36,939.16	\$ 8,875.00	\$ 9,125.00	\$ 18,000.00	\$ 18,000.00
12	12-in Butterfly Valve	1	EA	\$ 3,000	\$ 3,000	\$ 1,200.00	\$ 996.00	\$ 2,196.00	\$ 2,196.00	\$ 525.13	\$ 974.87	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 315.08	\$ 1,393.70	\$ 1,708.78	\$ 1,708.78	\$ 95.00	\$ 1,405.00	\$ 1,500.00	\$ 1,500.00
13	20-in Butterfly Valve	5	EA	\$ 6,045	\$ 30,225	\$ 1,500.00	\$ 2,450.00	\$ 3,950.00	\$ 19,750.00	\$ 1,347.77	\$ 2,452.23	\$ 3,800.00	\$ 19,000.00	\$ 1,000.00	\$ 2,500.00	\$ 3,500.00	\$ 17,500.00	\$ 362.34	\$ 2,762.86	\$ 3,125.20	\$ 15,626.00	\$ 130.00	\$ 3,170.00	\$ 3,300.00	\$ 16,500.00
14	24-in Butterfly Valve	17	EA	\$ 12,795	\$ 217,515	\$ 1,800.00	\$ 3,900.00	\$ 5,700.00	\$ 96,900.00	\$ 1,598.16	\$ 3,551.84	\$ 5,150.00	\$ 87,550.00	\$ 1,000.00	\$ 3,400.00	\$ 4,400.00	\$ 74,800.00	\$ 254.85	\$ 3,878.64	\$ 4,133.49	\$ 70,269.33	\$ 160.00	\$ 4,640.00	\$ 4,800.00	\$ 81,600.00
15	24-in Butterfly Valve with 4-in Gate Valve and DIP By-pass	2	EA	\$ 23,810	\$ 47,620	\$ 3,000.00	\$ 4,400.00	\$ 7,400.00	\$ 14,800.00	\$ 2,401.68	\$ 5,218.32	\$ 7,620.00	\$ 15,240.00	\$ 2,000.00	\$ 9,500.00	\$ 11,500.00	\$ 23,000.00	\$ 2,048.20	\$ 7,093.94	\$ 9,142.14	\$ 18,284.28	\$ 2,500.00	\$ 12,500.00	\$ 15,000.00	\$ 30,000.00
16	6-in Resilient Seated Gate Valves	2	EA	\$ 2,094	\$ 4,188	\$ 350.00	\$ 700.00	\$ 1,050.00	\$ 2,100.00	\$ 260.73	\$ 1,009.27	\$ 1,270.00	\$ 2,540.00	\$ 200.00	\$ 600.00	\$ 800.00	\$ 1,600.00	\$ 236.31	\$ 1,017.87	\$ 1,254.18	\$ 2,508.36	\$ 50.00	\$ 850.00	\$ 900.00	\$ 1,800.00
17	Fire Hydrant Assembly	26	EA	\$ 4,296	\$ 111,696	\$ 3,000.00	\$ 3,880.00	\$ 6,880.00	\$ 178,880.00	\$ 1,076.70	\$ 4,723.30	\$ 5,800.00	\$ 150,800.00	\$ 1,500.00	\$ 3,250.00	\$ 4,750.00	\$ 123,500.00	\$ 1,138.47	\$ 4,846.47	\$ 5,984.94	\$ 155,608.44	\$ 785.00	\$ 7,715.00	\$ 8,500.00	\$ 221,000.00
18	Asphalt Pavement Replacement	2,710	SY	\$ 61	\$ 165,310	\$ 34.90	\$ 19.47	\$ 54.37	\$ 147,342.70	\$ 3.33	\$ 36.67	\$ 40.00	\$ 108,400.00	\$ 23.00	\$ 23.00	\$ 46.00	\$ 124,660.00	\$ 2.41	\$ 66.95	\$ 69.36	\$ 187,965.60	\$ 20.00	\$ 36.00	\$ 56.00	\$ 151,760.00
19	4-in Sch. 40 PVC - Electric and Fiber Optic Conduits	4,018	LF	\$ 22	\$ 88,396	\$ 5.87	\$ 1.62	\$ 7.49	\$ 30,094.82	\$ 18.30	\$ 11.70	\$ 30.00	\$ 120,540.00	\$ 10.00	\$ 10.00	\$ 20.00	\$ 80,360.00	\$ 7.43	\$ 5.31	\$ 12.74	\$ 51,189.32	\$ 4.75	\$ 11.25	\$ 16.00	\$ 64,288.00
20	Concrete Encasement	185	CY	\$ 217	\$ 40,145	\$ 30.00	\$ 95.00	\$ 125.00	\$ 23,125.00	\$ 47.12	\$ 132.88	\$ 180.00	\$ 33,300.00	\$ 400.00	\$ 150.00	\$ 550.00	\$ 101,750.00	\$ 118.09	\$ 112.28	\$ 230.37	\$ 42,618.45	\$ 20.00	\$ 100.00	\$ 120.00	\$ 22,200.00
21	Environmental Compliance: Creek Crossing and Erosion & Sediment Control, SWMPP	1	LS	\$ 41,255	\$ 41,255	\$ 27,000.00	\$ 18,000.00	\$ 45,000.00	\$ 45,000.00	\$ 6,448.05	\$ 45,551.95	\$ 52,000.00	\$ 52,000.00	\$ 10,000.00	\$ 5,000.00	\$ 15,000.00	\$ 15,000.00	\$ 38,699.83	\$ 16,498.84	\$ 55,198.67	\$ 55,198.67	\$ 35,000.00	\$ 25,000.00	\$ 60,000.00	\$ 60,000.00
22	Unsuitable Material: Special Excavation and Fill	100	CY	\$ 24	\$ 2,400	\$ 3.00	\$ 22.00	\$ 25.00	\$ 2,500.00	\$ 8.12	\$ 39.88	\$ 48.00	\$ 4,800.00	\$ 45.00	\$ 40.00	\$ 85.00	\$ 8,500.00	\$ 5.20	\$ 75.86	\$ 81.06	\$ 8,106.00	\$ 5.00	\$ 25.00	\$ 30.00	\$ 3,000.00
Total Base Bid					\$ 4,070,016			\$ 2,988,500.00	\$ 3,108,372.00			\$ 3,108,372.00			\$ 3,294,475.00	\$ 3,443,732.09			\$ 3,443,732.09			\$ 3,517,432.00			\$ 3,517,432.00

ADDITIVE ALTERNATE BID ITEMS				Engineer's Opinion of Probable Construction Cost		J&J Schlaegel, Inc.				Kelchner, Inc.				Howell Contractors, Inc.				VTF Excavation LLC				Fields Excavating, Inc.			
Item	Bid Item	Estimated Quantity	Unit	Unit Cost	Total Cost/Item	Unit Cost			Total Cost/Item (Est. Quantity x Total Unit Price)	Unit Cost			Total Cost/Item (Est. Quantity x Total Unit Price)	Unit Cost			Total Cost/Item (Est. Quantity x Total Unit Price)	Unit Cost			Total Cost/Item (Est. Quantity x Total Unit Price)				
						Labor	Materials	Total Unit Cost (Labor+Materials)		Labor	Materials	Total Unit Cost (Labor+Materials)		Labor	Materials	Total Unit Cost (Labor+Materials)		Labor	Materials	Total Unit Cost (Labor+Materials)					
1	Mobilization/Demobilization	1	LS	\$ 17,204	\$ 17,204	\$ 10,000.00	\$ 5,727.97	\$ 15,727.97	\$ 15,727.97	\$ 4,708.35	\$ 32,291.65	\$ 37,000.00	\$ 37,000.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ 2,215.85	\$ 45,566.74	\$ 47,782.59	\$ 47,782.59	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00
2	Audio/Video Pre-Construction Documentation	1	LS	\$ 475	\$ 475	\$ 2,250.00	\$ 250.00	\$ 2,500.00	\$ 2,500.00	-	\$ 1,135.00	\$ 1,135.00	\$ 1,135.00	\$ 700.00	\$ 300.00	\$ 1,000.00	\$ 1,000.00	\$ 4,971.48	\$ -	\$ 4,971.48	\$ 4,971.48	\$ -	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
3	12-in PVC Raw Water Main, Type 'C' Backfill	2,635	LF	\$ 85	\$ 223,975	\$ 26.75	\$ 39.85	\$ 66.60	\$ 175,491.00	\$ 22.50	\$ 34.50	\$ 57.00	\$ 150,195.00	\$ 30.00	\$ 29.00	\$ 59.00	\$ 155,465.00	\$ 21.44	\$ 42.84	\$ 64.28	\$ 169,377.80	\$ 21.00	\$ 49.00	\$ 70.00	\$ 184,450.00
4	Horizontal Directional Drilling 12-inch FPVC Raw Water Main	575	LF	\$ 289	\$ 166,175	\$ 206.96	\$ 52.17	\$ 259.13	\$ 148,999.75	\$ 66.40	\$ 349.60	\$ 416.00	\$ 239,200.00	\$ 200.00	\$ 75.00	\$ 275.00	\$ 158,125.00	\$ 11.79	\$ 250.95	\$ 262.74	\$ 151,075.50	\$ 250.00	\$ 50.00	\$ 300.00	\$ 172,500.00
5	12-in Butterfly Valve	4	EA	\$ 2,537	\$ 10,148	\$ 1,200.00	\$ 996.00	\$ 2,196.00	\$ 8,784.00	\$ 531.11	\$ 1,148.89	\$ 1,680.00	\$ 6,720.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 8,000.00	\$ 157.54	\$ 1,281.42	\$ 1,438.96	\$ 5,755.84	\$ 90.00	\$ 1,410.00	\$ 1,500.00	\$ 6,000.00
6	Fire Hydrant Assembly	1	EA	\$ 4,295	\$ 4,295	\$ 3,000.00	\$ 3,880.00	\$ 6,880.00	\$ 6,880.00	\$ 1,476.04	\$ 5,373.96	\$ 6,850.00	\$ 6,850.00	\$ 500.00	\$ 2,150.00	\$ 2,650.00	\$ 2,650.00	\$ 492.36	\$ 3,864.85	\$ 4,357.21	\$ 4,357.21	\$ 750.00	\$ 5,500.00	\$ 6,250.00	\$ 6,250.00
7	Concrete Encasement	15	CY	\$ 140	\$ 2,100	\$ 30.00	\$ 95.00	\$ 125.00	\$ 1,875.00	\$ 156.59	\$ 103.41	\$ 260.00	\$ 3,900.00	\$ 150.00	\$ 100.00	\$ 250.00	\$ 3,750.00	\$ 205.37	\$ 112.28	\$ 317.65	\$ 4,764.75	\$ 20.00	\$ 100.00	\$ 120.00	\$ 1,800.00
8	Existing Raw Water (Quarry) Meter Vault Improvements	1	LS	\$ 12,322	\$ 12,322	\$ 4,500.00	\$ 5,760.00	\$ 10,260.00	\$ 10,260.00	\$ 18,122.45	\$ 6,877.55	\$ 25,000.00	\$ 25,000.00	\$ 5,000.00	\$ 2,500.00	\$ 7,500.00	\$ 7,500.00	\$ 2,363.11	\$ 5,958.76	\$ 8,321.87	\$ 8,321.87	\$ 3,250.00	\$ 3,750.00	\$ 7,000.00	\$ 7,000.00
9	Environmental Compliance: Creek Crossing and Erosion & Sediment Control, SWMPP	1	LS	\$ 7,139	\$ 7,139	\$ 12,500.00	\$ 5,750.00	\$ 18,250.00	\$ 18,250.00	-	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 2,500.00	\$ 2,000.00	\$ 4,500.00	\$ 4,500.00	\$ 8,012.77	\$ 3,376.17	\$ 11,388.94	\$ 11,388.94	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ 5,000.00
Total Additive Alternate Bid					\$ 443,833			\$ 388,767.																	