

Board of Municipal Utilities
Meeting Minutes
November 21, 2023
201 Miller Road
Avon Lake, Ohio

Call to Order – Roll Call

The meeting was called to order at 7:31 PM following a work session. The meeting was held in-person using web-based video conferencing technology and streamed live over Facebook.

Present: Mr. Abram, Mr. Dzwonczyk, Mr. Rickey, Mr. Rush, and Mrs. Schnabel.

Also present: CUE Munro, CUO Yuronich, Attorney Anthony Coyne of Mansour Gavin, Mayor-elect Spaetzel and Del Roig of LORCO.

Approve Minutes

Mr. Dzwonczyk presented the Minutes of the November 7, 2023 work session. With no additional changes, additions or corrections noted, he ordered that the minutes stand and be distributed as presented.

Mr. Dzwonczyk presented the Minutes of the November 7, 2023 regular meeting. With no additional changes, additions or corrections noted, he ordered that the minutes stand and be distributed as presented.

Public Speakers

Mayor-elect Spaetzel thanked everyone for the time he has spent as the Board liaison from Avon Lake City Council and that he looks forward to serving the next four years as Mayor. Mr. Dzwonczyk stated that the Board looks forward to continuing to work with him and congratulated him on his election win.

Correspondence

None.

Expenditures

Following review of expenses for funds and amounts as follows, Mr. Abram moved, Mr. Rickey seconded, to approve the expenditures of November 3 through November 16, 2023:

Water Fund 701	\$	685,455.21
Wastewater Fund 721	\$	155,548.59
ETL1 Fund 703	\$	160,078.27
ETL2 Fund 762	\$	411,646.95
LORCO Fund 749	\$	6,640.88
Water Construction Fund 704	\$	71,697.13
Wastewater Construction Fund 724	\$	47,817.17

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush, and Schnabel

Nays: None

Motion carried.

Techwin Agreement

Mr. Munro informed the Board that he and Mr. Yuronich have been working with the Techwin company on the supply and installation of a sodium hypochlorite generating station. He stated that the initial connection was made through the Cleveland Water Alliance last year. Mr. Munro stated that this partnership will allow Techwin to install their equipment in Avon Lake and will produce the sodium hypochlorite at the 12% strength rather than the 0.8% strength that is produced by all other available equipment currently available in the United States. This will be used as a demonstration unit to decide if ALRW wants to continue using it to supplement our supply of sodium hypochlorite used at the water filtration plant and it will also allow Techwin to introduce their equipment into the U.S. market. He stated that in consideration of providing this equipment free of charge, Techwin shall be allowed to bring other interested parties to Avon Lake to view the operation of this equipment. Mr. Munro added that from a financial perspective this opportunity will save ALRW a significant amount of money. Even after the demonstration study if we decide not to continue, ALRW will not have a lot of money invested in this. Mr. Munro also stated that the agreement was reviewed by Law Director Gary Ebert and his associate Connie Carr. There were several red-line versions that were passed back and forth between the two organizations and this final version is what was agreed upon by both sides.

Mr. Rush inquired what the approximate cost would be needed by ALRW to procure the items that the agreement requires ALRW to provide for the demonstration study. Mr. Munro replied that it would cost approximately \$50,000-\$75,000 and he does have an allotment in the proposed budget for this expense.

Mr. Abram stated that as a demonstration project he is in favor of this endeavor. He said that ALRW has a long history of firsts and wishes to continue that leadership in this industry.

Mr. Rickey asked for clarification that the equipment itself will be free of charge, but we'll be spending the \$50,000 to \$75,000 to hook up the equipment and get it operational. Mr. Munro affirmed that was correct. Mr. Rickey also stated that the equipment will not fully meet our supply needs and asked for confirmation. Mr. Munro stated that it initially will supplement our supply and meet approximately two-thirds of our requirements. Mr. Munro replied that the current improvement project at the WFP will have storage tanks for sodium hypochlorite as we eliminate the chlorine gas system. Mr. Rickey inquired if the OEPA is mandating that we get rid of the chlorine gas system. Mr. Munro responded that although it is not a mandate, nearly all utilities are removing the gas systems.

Mr. Dzwonczyk reiterated Mr. Abram's earlier comment that ALRW has historically been at the forefront of innovation when it comes to treatment, and this would be another example of breaking barriers.

Mr. Rickey further inquired about the strength of the sodium hypochlorite that this system would produce as well as what the strength of the delivered hypochlorite will be. Mr. Munro responded that both would be 12%. Mr. Rickey said that 12% hypochlorite is a very "hot" chemical that is very difficult to deal with. He stated that he wants to observe how it is handled before he would consider approving a system that produces it onsite. Mr. Rickey further inquired if it will be a possibility to revert to the gaseous chlorine in the future and Mr. Munro responded that is not an option as the decision to eliminate the gaseous chlorine has already been finalized.

Mr. Dzwonczyk asked Attorney Coyne if he had reviewed the agreement. Mr. Coyne said he had not, and Mr. Dzwonczyk asked if the Board was approving the agreement at this meeting. Mr. Munro said that yes, staff was seeking Board approval to enter into the agreement. Mr. Dzwonczyk inquired about item number eight on the agreement referring to Techwin's access to the site. He stated that his concern was that ALRW does not retain the right to refuse access to

the site in the event of a safety or emergency event. Mr. Dzwonczyk stated that he felt that ALRW should be able to deny access in the event of unforeseen conditions.

Mr. Rush asked about the term limit of the agreement and if there should be a clause that allows for renewing the agreement. Mr. Munro stated that although there is not likely to be a need to renew, the specifics detailing the length of the partnership should be included and would address this. Mr. Munro added that he felt somewhere in the three-to-five-year range would be appropriate.

Mr. Dzwonczyk stated that the Board would hold off on approving this agreement until the Board comments were addressed.

Bi-Annual Chemical Bids

Mr. Munro informed the Board that the bi-annual bids for the supply of chemicals used at both treatment plants were opened on November 16, 2023. He stated that these were posted on the online platform Bid Express. Mr. Munro stated that many chemicals had seen a decrease in price.

Mr. Rush inquired about a chemical that received zero bids. Mr. Munro replied that since ALRW has fulfilled its obligation to publicly bid the item they could solicit quotes and procure the chemical legally through that method.

Mr. Abram inquired about whether the cost of liquid chlorine had come down from previous prices and Mr. Munro stated that it was slightly lower than recent pricing and there were three bids received for that chemical which was also encouraging. Mr. Dzwonczyk added that supply chain concerns are something that ALRW must always consider. Referring to the previous point of having multiple ways of procuring essential chemicals is important, so having the means to produce sodium hypochlorite as well as accepting bulk deliveries is a distinct advantage for the utility.

Mr. Rickey asked for clarification on whether we use liquid chlorine or gaseous chlorine. Mr. Yuronich replied that it is in the liquid form while compressed within the containers but turns to a gas as it is released into the treatment process.

Having no further discussion, Mrs. Schnabel moved, Mr. Rickey seconded, to authorize the CUE to execute chemical supply contracts, valid from January 1, 2024 and running through, and including, June 30, 2024 in accordance with the following:

Chemical	Vendor	Unit Price
Liquid Alum	USALCO, LLC	\$572.42 per ton
Hydrated Lime	Bonded Chemicals, Inc.	\$344 per ton
Sodium Silicofluoride	Bonded Chemicals, Inc.	\$2,730 per ton
Liquid Chlorine	JCI Jones Chemicals, Inc.	\$1,790 per ton
Potassium Permanganate	Bonded Chemicals, Inc.	\$8,880 per ton
Dry Polymer	Polydyne, Inc.	\$4,900 per ton
Liquid Polymer	Polydyne, Inc.	\$3,400 per ton
Ferrous Chloride	Alexander Chemical Corp.	\$777.65 per ton
Carbon	Bonded Chemicals, Inc.	\$2,093 per ton
Liquid Orthophosphate	Bonded Chemicals, Inc.	\$1,198 per ton
Liquid Sodium Hydroxide	Bonded Chemicals, Inc.	\$730 per ton
Sodium Bicarbonate	SAL Chemical	\$900 per ton
Sodium Hypochlorite	Alexander Chemical Corp.	\$478 per ton
Hydrofluorosilicic Acid	Bonded Chemicals, Inc.	\$598 per ton
Magnesium Hydroxide	Bonded Chemicals, Inc.	\$880 per ton

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush, and Schnabel
Nays: None
Motion carried.

Bi-Annual Water Distribution Supplies Bid

Mr. Munro informed the Board that the bi-annual bids for water distribution supplies were also opened on November 16, 2023. He stated that ALRW received bids from two bidders this time. Mr. Munro also stated that there were several no bid items. Mr. Munro is recommending that the Board award the bids per the attached Engineer's certified bid tabulation.

Mr. Rush inquired about the items that did not receive a bid for and wanted to know how we would procure those if they were needed. Mr. Munro replied that similar to procuring the chemical that did not receive any bids for, because we have fulfilled our obligation to publicly bid these items, we would be able to request quotes or purchase these items from a supplier on an as-needed basis. Mr. Munro also stated that staff keeps an inventory of items on the shelf and that in the past we have assisted other entities by providing items to them from our shelves until a replacement could be obtained as well as borrowing items from them until we could replace it. Mr. Munro also said that what typically happens is that when we loan a part to another entity, they will order another and have it shipped to us directly.

With no further discussion, Mrs. Schnabel moved, Mr. Abram seconded, to authorize the CUE to execute contracts with Core & Main and Ferguson Waterworks, valid from valid from January 1, 2024 and running through, and including, June 30, 2024, for the supply of bid items on the 2024 Bi-Annual Water Distribution Supplies Bid – First Half, per the Engineer's certified bid tabulation.

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush, and Schnabel
Nays: None
Motion carried.

Project Updates

Power Plant Update: Mr. Yuronich informed the Board that work continues on the northern and eastern sides of the main power plant and that much of their progress has not been visible to the public. Mr. Yuronich also stated that the work to connect the retention pond to the 108-inch storm sewer has been completed. They are finishing site restoration as a section of the ramp leading to the Lake Rd. crossing had to be removed to install the pipe connecting the retention pond overflow to the 108-inch storm sewer.

Mr. Dzwonczyk inquired about how the relative elevation of the retention pond to the surrounding area. Mr. Dzwonczyk mentioned sixty feet. Mr. Yuronich said that he was unsure of the specifics. Mr. Munro said although he was also unsure of the specifics, the retention pond is approximately sixty feet deep, but the overflow will function similarly to retention ponds in subdivisions. When the level exceeds the overflow height, it will drain into the storm sewer, thus keeping the pond from rising above its banks. Mr. Yuronich added that the pond in front of 201 Miller also functions to maintain a maximum water level by draining excess water to the storm. Mr. Dzwonczyk also asked if there was any other discharge point and Mr. Munro stated that there was no other outfall.

Mr. Rush asked if the overflow discharge would affect the capacity of the 108-inch storm sewer that the water reclamation facility also can discharge into. Mr. Munro stated that while he was unsure of the total capacity of the 108-inch storm sewer, there is no shortage of capacity in that pipe. During monitoring of the levels during high-rain events, the level did not exceed sixteen inches so there will be no risk of a bottleneck.

ETL Design Services: No updates.

Additional Storage Building: Mr. Yuronich informed the Board that the final concrete pour has been completed. He also added that the final electrical panel has been delivered and installed and a timeline for closing out the utility portion of the contract has been finalized. Mr. Yuronich stated that on December 4, 2023 the fire setup will be completed, and the Avon Lake Fire Department will perform their inspection. The exhaust fan and carbon monoxide monitoring equipment will also be that week. A punch list will be developed and after the wash bay equipment is installed the gaps between the main garage area and wash bay will be sealed.

Traveling Screen Replacement: Mr. Yuronich informed the Board that the installation of the new screen is complete and that the unit is fully operational. Mr. Dzwonczyk asked if this was at the wastewater plant and wanted some clarification of how it functions. Mr. Yuronich explained that as water is brought into the water filtration plant, any debris larger than one-quarter of an inch is trapped on the screen. When a time limit is reached or when a differential sensor detects a difference in the height of the water on either side of the screen indicates a restriction of flow, the screen will run a cycle and have the debris deposited into a basket that will then be emptied by staff into a dumpster for disposal.

Mr. Rickey asked if the old screen was going to be saved and reconditioned. Mr. Yuronich replied that it was over forty years old and did not have any use to the utility any longer.

Inductively Coupled Plasma Mass Spectrometer (ICP): Mr. Yuronich stated that staff had travelled to the Garrett Morgan Water Plant in Cleveland to meet with the lab staff there to get some tips from those that use the same unit on a regular basis. They were given advice on the use of the equipment along with consumables to keep on hand. Mr. Yuronich stated that while getting the training from the manufacturer is obviously important, being able to get the real-world experiences from professionals that use the equipment on a day-to-day basis is also extremely beneficial. Mr. Yuronich added that he felt it was important for the younger lab staff at our water filtration plant to have interactions with more experienced lab personnel and that this will surely aid in their professional development. Mr. Yuronich also informed the Board that Thermo Scientific will be out at the end of the month for method development and once that is complete ALRW staff will conduct side-by-side testing with Alloway to ensure that their results are garnering the expected results and then will proceed with certification through the Ohio Environmental Protection Agency.

CUE Report

Mr. Munro stated that on November 13, 2023 he attended the HR Committee meeting to discuss the Business and Financial Coordinator job description. Later that evening City Council had the first reading of the ordinance pertaining to this job description. The second reading will be on November 27, 2023 where it should be passed. They are going to amend the existing ordinance that covers non-bargaining employee pay ranges to include the Business and Financial Coordinator. The amended ordinance will also include updating the pay ranges for all non-bargaining unit employees and that will be further discussed in Executive Session with the Board. Mr. Munro expressed his gratitude towards Councilmen Zuber and O'Donnell from the HR Committee and others for asking him to make a presentation explaining this new position.

Mr. Munro informed the Board that Isaac Decker was no longer going to be able to accept the position at the water filtration plant.

Mr. Munro stated that at the December 5, 2023 meeting there will be the Board Organizational Meeting and wanted all to be aware of that.

Miscellaneous & Member Reports

None.

Public Speakers

None.

Executive Session

Mr. Rush moved, Mr. Abram seconded to meet in executive session as allowed by ORC §121.22 (G1) and (G)(3) to discuss compensation of a public employee and pending legal matters and to include the CUE, the CUO, and a representative from Mansour Gavin.

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush and Schnabel

Nays: None

Motion carried.

The Board entered Executive Session at 8:15 PM.

The Board reconvened the public meeting at 8:41 PM.

Mr. Munro asked the Board to approve updated salary ranges for non-bargaining employees based on their discussion in Executive Session.

With no further discussion, Mr. Dzwonczyk moved, Mr. Rickey seconded, to set new salary ranges for non-bargaining employees, effective November 21, 2023, in accordance with the following:

<u>Job Title</u>	<u>Hourly Rate</u>
<i>Chief Utilities Executive</i>	\$69.69 – \$102.69
<i>Chief of Utility Operations</i>	\$52.92 – \$84.67
<i>Engineering Services Manager</i>	\$49.35 – \$78.10
<i>Water Filtration Plant Manager</i>	\$38.83 – \$57.27
<i>Water Reclamation Facility Manager</i>	\$38.83 – \$57.27
<i>Facilities & Asset Manager</i>	\$37.03 – \$54.38
<i>Engineer</i>	\$31.03 – \$44.70
<i>Business & Financial Coordinator</i>	\$40.04 – \$58.90

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush, and Schnabel

Nays: None

Motion carried.

Adjourn

As there was no further business, Mr. Abram moved, and Mr. Rickey seconded, to adjourn. The meeting adjourned at 8:44 PM.

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush, and Schnabel

Nays: None

Motion carried.

Approved December 5, 2023.

John Dzwonczyk, Chairman

Robert Munro, Clerk



**Avon Lake Regional Water
2024 Bi-Annual Chemicals Bid (First Half)
Bid Tabulation**

Bids opened 11/16/2023

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Item Description & Unit of Measure	Approx. Quantity	Chemtrade Chemicals US LLC	Bonded Chemicals, Inc.	Polydyne Inc.	USALCO, LLC	Shannon Chemical Corporation	Chemrite, Inc.	SAL Chemical	PVS Technologies
1	Liquid Alum - Tons	600.00	\$ 640.00	\$ -	\$ -	\$ 572.42	\$ -	\$ -	\$ -	\$ -
2	Hydrated Lime - Tons	125.00	\$ -	\$ 344.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Sodium Silicofluoride - Tons	40.00	\$ -	\$ 2,730.00	\$ -	\$ -	\$ -	\$ 3,080.00	\$ 3,012.00	\$ -
4	Liquid Chlorine - Tons (6 ton order)	45.00	\$ -	\$ 2,040.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4A	Liquid Chlorine - Tons (3 ton order)	45.00	\$ -	\$ 2,580.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Potassium Permanganate - Tons	3.00	\$ -	\$ 8,880.00	\$ -	\$ -	\$ 4,887.87	\$ 5,600.00	\$ 5,078.00	\$ -
6	Dry Polymer - Tons	5.00	\$ -	\$ -	\$ 4,900.00	\$ -	\$ -	\$ -	\$ -	\$ -
7	Liquid Polymer - Tons	30.00	\$ -	\$ -	\$ 3,400.00	\$ -	\$ -	\$ -	\$ -	\$ -
8	Ferrie Chloride - Tons	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	Ferrous Chloride - Tons	15.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900.00
10	Carbon - Tons	80.00	\$ -	\$ 2,093.00	\$ -	\$ -	\$ -	\$ 2,489.00	\$ -	\$ -
11	Liquid Orthophosphate - Tons	30.00	\$ -	\$ 1,198.00	\$ -	\$ -	\$ 1,313.13	\$ 1,624.00	\$ 1,340.00	\$ -
12	Liquid Sodium Hydroxide - Tons	30.00	\$ -	\$ 730.00	\$ -	\$ -	\$ -	\$ -	\$ 1,115.00	\$ -
13	Sodium Bicarbonate - Tons	20.00	\$ -	\$ 980.00	\$ -	\$ -	\$ -	\$ -	\$ 900.00	\$ -
14	Sodium Hypochlorite- Tons	350.00	\$ -	\$ 620.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Hydrofluorosilicic Acid - Tons	135.00	\$ -	\$ 598.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Liquid Calcium Hydroxide - Tons	230.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	Magnesium Hydroxide - Tons	30.00	\$ -	\$ 880.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	Calcium Lime Slurry - Tons	30.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Water Filtration Plant (1)-dry ton (3)-\$1.365/lb (6)-Clarifloc CE-1120 (1)-dry ton (5)-foreign source (5)-foreign source

Water Reclamation Facility (5)-\$4.44/lb (7)-Clarifloc C-6286 no exceptions taken (12)-dry ton (5)-can provide import

(12)-\$/DWT



**Avon Lake Regional Water
2024 Bi-Annual Chemicals Bid (First Half)
Bid Tabulation**

Bids opened 11/16/2023

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Item Description & Unit of Measure	Approx. Quantity	Calgon Carbon Corporation	Alexander Chemical Corp.	JCI Chemicals	2023-2 Bid Winner	Difference per Ton	% Difference per Ton
1	Liquid Alum - Tons	600.00	\$ -	\$ -	\$ -	\$ 553.73	\$ 18.69	3.38%
2	Hydrated Lime - Tons	125.00	\$ -	\$ -	\$ -	\$ 336.00	\$ 8.00	2.38%
3	Sodium Silicofluoride - Tons	40.00	\$ -	\$ -	\$ -	\$ 3,139.00	\$ (59.00)	-1.88%
4	Liquid Chlorine - Tons (6 ton order)	45.00	\$ -	\$ 1,999.00	\$ 1,790.00	\$ 1,860.00	N/A	N/A
4A	Liquid Chlorine - Tons (3 ton order)	45.00	\$ -	\$ 2,499.00	\$ 1,790.00	\$ 1,860.00	N/A	N/A
5	Potassium Permanganate - Tons	3.00	\$ -	\$ -	\$ -	\$ 8,880.00	\$ (3,992.13)	-44.96%
6	Dry Polymer - Tons	5.00	\$ -	\$ -	\$ -	\$ 4,900.00	\$ -	0.00%
7	Liquid Polymer - Tons	30.00	\$ -	\$ -	\$ -	\$ 3,400.00	\$ -	0.00%
8	Ferric Chloride - Tons	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
9	Ferrous Chloride - Tons	15.00	\$ -	\$ 777.65	\$ -	\$ 725.00	\$ 175.00	24.14%
10	Carbon - Tons	80.00	\$ 2,380.00	\$ -	\$ -	\$ 2,529.00	\$ (40.00)	-1.58%
11	Liquid Orthophosphate - Tons	30.00	\$ -	\$ -	\$ -	\$ 1,392.00	\$ (194.00)	-13.94%
12	Liquid Sodium Hydroxide - Tons	30.00	\$ -	\$ 1,260.00	\$ -	\$ 1,180.00	\$ (450.00)	-38.14%
13	Sodium Bicarbonate - Tons	20.00	\$ -	\$ -	\$ -	\$ 1,010.00	\$ (110.00)	-10.89%
14	Sodium Hypochlorite- Tons	350.00	\$ -	\$ 478.00	\$ -	\$ 498.80	\$ (20.80)	-4.17%
15	Hydrofluorosilicic Acid - Tons	135.00	\$ -	\$ 652.00	\$ -	\$ 600.00	\$ (2.00)	-0.33%
16	Liquid Calcium Hydroxide - Tons	230.00	\$ -	\$ -	\$ -	\$ 200.00	\$ (200.00)	-100.00%
17	Magnesium Hydroxide - Tons	30.00	\$ -	\$ -	\$ -	\$ 1,000.00	\$ (120.00)	-12.00%
18	Calcium Lime Slurry - Tons	30.00	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

Water Filtration Plant
Water Reclamation Facility

(4&4A, 12, 14, 15) Strike contract
price firm calendar cost escalation
quarter only. Price is Force Majeure-Cl₂
based on full truckload deliveries.
(12)-bulk only
(9)-dry ton



Jack R. Gaydar, P.E.

Jack R. Gaydar, P.E., P.S., M. ASCE, CESSWI, CPESC, CPO
Engineering Services Manager

17 NOV 23



**Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation**

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
1A	600	3/4" Copper Tubing	Feet	\$9.00	\$5,400.00	\$6.43	\$3,858.00
1B	600	1" Copper Tubing	Feet	\$12.00	\$7,200.00	\$8.66	\$5,196.00
1C	100	1-1/2" Copper Tubing	Feet	\$21.00	\$2,100.00	\$14.55	\$1,455.00
1D	100	2" Copper Tubing	Feet	\$32.00	\$3,200.00	\$22.50	\$2,250.00
2A	75	3/4" Curb Stop	Each	\$65.00	\$4,875.00	\$89.75	\$6,731.25
2B	25	1" Curb Stop	Each	\$108.00	\$2,700.00	\$123.50	\$3,087.50
2C	5	1-1/2" Curb Stop	Each	\$273.00	\$1,365.00	\$301.00	\$1,505.00
2D	5	2" Curb Stop	Each	\$446.00	\$2,230.00	\$492.00	\$2,460.00
3A	20	3/4" Corp	Each	\$37.00	\$740.00	\$40.75	\$815.00
3B	20	1" Corp	Each	\$57.00	\$1,140.00	\$63.00	\$1,260.00
3C	20	1-1/2" Corp	Each	\$173.00	\$3,460.00	\$191.00	\$3,820.00
3D	20	2" Corp	Each	\$302.00	\$6,040.00	\$333.00	\$6,660.00
4A	30	3/4" Copper Tees	Each	\$39.00	\$1,170.00	NO BID	NO BID
4B	20	1" Copper Tees	Each	\$65.00	\$1,300.00	NO BID	NO BID
4C	10	1-1/2" Copper Tees	Each	\$168.00	\$1,680.00	NO BID	NO BID
4D	5	2" Copper Tees	Each	\$315.00	\$1,575.00	NO BID	NO BID
4E	30	3/4" Copper 3-Part Union	Each	\$21.00	\$630.00	\$22.50	\$675.00
4F	25	1" Copper 3-Part Union	Each	\$36.00	\$900.00	\$40.00	\$1,000.00
4G	20	1-1/2" Copper 3-Part Union	Each	\$108.00	\$2,160.00	\$119.00	\$2,380.00
4H	20	1-3/4" Copper 3-Part Union	Each	\$31.00	\$620.00	\$34.00	\$680.00
4I	20	2" Copper 3-Part Union	Each	\$175.00	\$3,500.00	\$194.00	\$3,880.00
4J	30	3/4" Copper 45° Corp Bend	Each	\$23.00	\$690.00	\$25.00	\$750.00
4K	25	1" Copper 45° Corp Bend	Each	\$43.00	\$1,075.00	\$47.00	\$1,175.00
4L	5	1-1/2" Copper 45° Corp Bend	Each	\$105.00	\$525.00	NO BID	NO BID
4M	5	2" Copper 45° Corp Bend	Each	\$194.00	\$970.00	NO BID	NO BID
4N	30	3/4" Copper 90 Corp Bend	Each	\$33.00	\$990.00	\$27.00	\$810.00
4O	25	1" Copper 90 Corp Bend	Each	\$39.00	\$975.00	\$43.00	\$1,075.00
4P	20	1x1/2" Copper 90 Corp Bend	Each	\$121.00	\$2,420.00	\$147.00	\$2,940.00
4Q	20	2" Copper 90 Corp Bend	Each	\$227.00	\$4,540.00	\$257.00	\$5,140.00
4R	30	3/4" Female Iron to Copper Adapter	Each	\$16.00	\$480.00	\$18.00	\$540.00
4S	15	1" Female Iron to Copper Adapter	Each	\$25.00	\$375.00	\$27.00	\$405.00
4T	25	1-1/2" Female Iron to Copper Adapter	Each	\$66.00	\$1,650.00	\$73.00	\$1,825.00



**Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation**

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
4U	25	2" Female Iron to Copper Adapter	Each	\$124.00	\$3,100.00	\$136.00	\$3,400.00
4V	20	3/4" Male Iron to Copper Adapter	Each	\$17.00	\$340.00	\$18.00	\$360.00
4W	50	3/4" - 1/4 Bend Corp Stop Coupling with Captive Gaskets (Swivel FCS Inlet x CS Outlet)	Each	\$50.00	\$2,500.00	\$36.00	\$1,800.00
4X	50	1" - 1/4 Bend Corp Stop Coupling with Captive Gaskets (Swivel FCS Inlet x CS Outlet)	Each	\$63.00	\$3,150.00	\$50.00	\$2,500.00
4Y	50	1-1/2" - 1/4 Bend Corp Stop Coupling with Captive Gaskets (Swivel FCS Inlet x CS Outlet)	Each	\$187.00	\$9,350.00	\$150.00	\$7,500.00
4Z	50	2" - 1/4 Bend Corp Stop Coupling with Captive Gaskets (Swivel FCS Inlet x CS Outlet)	Each	\$249.00	\$12,450.00	\$260.00	\$13,000.00
5A	100	Curb Stop Boxes	Each	\$139.00	\$13,900.00	NO BID	NO BID
5B	25	Curb Stop Box Covers	Each	\$10.00	\$250.00	NO BID	NO BID
6A	40	3/4" Meter Setter	Each	\$161.00	\$6,440.00	\$178.00	\$7,120.00
6B	40	1" Meter Setter	Each	\$290.00	\$11,600.00	\$330.00	\$13,200.00
6C	10	1-1/2" Meter Setter	Each	NO BID	NO BID	\$1,200.00	\$12,000.00
6D	10	2" Meter Setter	Each	NO BID	NO BID	\$1,520.00	\$15,200.00
6E	50	3/4" Meter Setter With 1" Flare inlet x 1" Flare outlet	Each	\$189.00	\$9,450.00	NO BID	NO BID
6F	5	3/4" Meter Setter with double check valve	Each	\$266.00	\$1,330.00	\$275.00	\$1,375.00
6G	5	1" Meter Setter with double check valve	Each	\$436.00	\$2,180.00	\$450.00	\$2,250.00
6H	5	1-1/2" Meter Setter with double check valve	Each	\$1,587.00	\$7,935.00	\$1,500.00	\$7,500.00
6I	5	2" Meter Setter with double check valve	Each	\$1,677.00	\$8,385.00	\$1,750.00	\$8,750.00
6J	5	Pit Setter-Meter Setter	Each	\$3,270.00	\$16,350.00	NO BID	NO BID
6K	5	Monitor Cover	Each	\$1,026.00	\$5,130.00	NO BID	NO BID
6L	10	Female x Compression Adapters	Each	\$91.00	\$910.00	NO BID	NO BID
7A	50	20" Diameter x 30" Height Meter Vault, PN: MMP202430	Each	\$106.00	\$5,300.00	NO BID	NO BID
7B	50	20" Diameter x 36" Height Meter Vault, PN: RMP20**	Each	\$148.00	\$7,400.00	NO BID	NO BID
8	50	20" Meter Vault Cover w/ Single Hole	Each	\$115.00	\$5,750.00	NO BID	NO BID
9A	5	6" Couplings	Each	\$101.00	\$505.00	\$196.00	\$980.00
9B	5	8" Couplings	Each	\$140.00	\$700.00	\$231.00	\$1,155.00
9C	5	12" Couplings	Each	\$233.00	\$1,165.00	\$400.00	\$2,000.00
9D	5	6" Coupling w/ Capped End	Each	\$137.00	\$685.00	\$310.00	\$1,550.00
9E	5	8" Coupling w/ Capped End	Each	\$180.00	\$900.00	\$440.00	\$2,200.00
10A	10	6"x7-1/2" Repair Clamp	Each	\$83.00	\$830.00	\$118.00	\$1,180.00
10B	10	6"x12-1/2" Repair Clamp	Each	\$134.00	\$1,340.00	\$201.00	\$2,010.00
10C	10	6"x15" Repair Clamp	Each	\$156.00	\$1,560.00	\$222.00	\$2,220.00
10D	10	6"x24" Repair Clamp	Each	\$273.00	\$2,730.00	\$469.00	\$4,690.00
10E	10	8"x7-1/2" Repair Clamp	Each	\$97.00	\$970.00	\$147.00	\$1,470.00



**Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation**

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
10F	10	8"x12-1/2" Repair Clamp	Each	\$156.00	\$1,560.00	\$236.00	\$2,360.00
10G	10	8"x15" Repair Clamp	Each	\$187.00	\$1,870.00	\$269.00	\$2,690.00
10H	10	8"x24" Repair Clamp	Each	\$307.00	\$3,070.00	\$493.00	\$4,930.00
10I	10	12"x10" Repair Clamp	Each	\$169.00	\$1,690.00	\$305.00	\$3,050.00
10J	10	12"x15" Repair Clamp	Each	\$251.00	\$2,510.00	\$370.00	\$3,700.00
10K	10	12"x24" Repair Clamp	Each	\$415.00	\$4,150.00	\$800.00	\$8,000.00
11A	10	6"X12-1/2" Repair Clamp w/ 3/4" O.L.	Each	\$160.00	\$1,600.00	\$258.00	\$2,580.00
11B	10	6"x20" Repair Clamp w/ 3/4" O.L.	Each	\$251.00	\$2,510.00	\$425.00	\$4,250.00
11C	10	8"x12-1/2" Repair Clamp w/ 3/4" O.L.	Each	\$183.00	\$1,830.00	\$294.00	\$2,940.00
11D	10	8"x20" Repair Clamp w/ 3/4" O.L.	Each	\$284.00	\$2,840.00	\$453.00	\$4,530.00
11E	10	12"x 12-1/2" Repair Clamp w/ 3/4" O.L.	Each	\$231.00	\$2,310.00	\$427.00	\$4,270.00
11F	10	6"x 12-1/2" Repair Clamp w/ 1" O.L.	Each	\$160.00	\$1,600.00	\$259.00	\$2,590.00
11G	10	6"x20" Repair Clamp w/ 1" O.L.	Each	\$251.00	\$2,510.00	\$424.00	\$4,240.00
11H	10	8" x 12-1/2" Repair Clamp w/ 1" O.L.	Each	\$183.00	\$1,830.00	\$294.00	\$2,940.00
11I	10	8" x 20" Repair Clamp w/ 1" O.L.	Each	\$284.00	\$2,840.00	\$452.00	\$4,520.00
11J	10	12" x 12-1/2" Repair Clamp w/ 1" O.L.	Each	\$231.00	\$2,310.00	\$430.00	\$4,300.00
11K	10	6"x 15" Repair Clamp w/ 2" O.L.	Each	\$200.00	\$2,000.00	\$315.00	\$3,150.00
11L	10	8" x 15" Repair Clamp w/ 2" O.L.	Each	\$231.00	\$2,310.00	\$363.00	\$3,630.00
11M	10	12' x 15" Repair Clamp w/ 2" O.L.	Each	\$295.00	\$2,950.00	\$510.00	\$5,100.00
12A	50	Valve Boxes	Each	\$142.00	\$7,100.00	NO BID	NO BID
12B	50	Middle Extension for Valve Box	Each	\$36.00	\$1,800.00	NO BID	NO BID
12C	50	Valve Box Top Section Complete	Each	\$59.00	\$2,950.00	NO BID	NO BID
12D	50	2" Valve Box Riser	Each	\$25.00	\$1,250.00	NO BID	NO BID
12E	50	4" Valve Box Riser	Each	\$40.00	\$2,000.00	NO BID	NO BID
13A	100	6" C-909 Water Main Pipe/ft.	Foot	\$16.00	\$1,600.00	NO BID	NO BID
13B	100	8" C-909 Water Main Pipe/ft.	Foot	\$28.00	\$2,800.00	NO BID	NO BID
13C	100	12" C-909 Water Main Pipe/ft.	Foot	\$58.00	\$5,800.00	NO BID	NO BID
14	50	3-1/2" Tee Bolt with Nut, Round Shaft	Each	\$8.00	\$400.00	NO BID	NO BID



**Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation**

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
14A	50	4" Tee Bolt with Nut, Round Shaft	Each	\$9.00	\$450.00	NO BID	NO BID
14B	50	4-1/2" Tee Bolt with Nut, Round Shaft	Each	\$9.00	\$450.00	NO BID	NO BID
14C	50	5" Tee Bolt with Nut, Round Shaft	Each	\$9.00	\$450.00	NO BID	NO BID
14D	50	6" Tee Bolt with Nut, Round Shaft	Each	\$9.00	\$450.00	NO BID	NO BID
14E	50	3-1/2" Tee Bolt with Nut, Square Shaft (Anti-Rotation)	Each	\$15.00	\$750.00	NO BID	NO BID
14F	50	4" Tee Bolt with Nut, Square Shaft (Anti-Rotation)	Each	\$14.00	\$700.00	NO BID	NO BID
14G	50	4-1/2" Tee Bolt with Nut, Square Shaft (Anti-Rotation)	Each	\$15.00	\$750.00	NO BID	NO BID
14H	50	5" Tee Bolt with Nut, Square Shaft (Anti-Rotation)	Each	\$16.00	\$800.00	NO BID	NO BID
14I	50	6" Tee Bolt with Nut, Square Shaft (Anti-Rotation)	Each	NO BID	NO BID	NO BID	NO BID
15A	25	6" Resilient Wedge Gate M.J. Valve	Each	\$883.00	\$22,075.00	\$884.00	\$22,100.00
15B	25	8" Resilient Wedge Fae M.J. Valve	Each	\$1,405.00	\$35,125.00	\$1,410.00	\$35,250.00
15C	25	12" Resilient Wedge Gate M.J. Valve	Each	\$2,770.00	\$69,250.00	\$2,782.00	\$69,550.00
16A	50	Mueller A423 Fire Hydrant Assembly	Each	\$3,715.00	\$185,750.00	\$3,834.00	\$191,700.00
16B	50	6" Mueller A423 Hydrant Riser	Each	\$725.00	\$36,250.00	\$750.00	\$37,500.00
16C	50	12" Mueller A423 Hydrant Riser	Each	\$850.00	\$42,500.00	\$770.00	\$38,500.00
16D	50	18" Mueller A423 Hydrant Riser	Each	\$969.00	\$48,450.00	\$870.00	\$43,500.00
16E	50	Mueller A423 Hydrant, Vertical Flange Adapter	Each	\$4,395.00	\$219,750.00	\$3,093.00	\$154,650.00
17A	60	12" x 8" Mechanical Joint Tee	Each	\$365.00	\$21,900.00	NO BID	NO BID
17B	60	12" x 6" Mechanical Joint Tee	Each	\$318.00	\$19,080.00	NO BID	NO BID
17C	60	8" x 8" Mechanical Joint Tee	Each	\$235.00	\$14,100.00	NO BID	NO BID
17D	60	8" x 6" Mechanical Joint Tee	Each	\$195.00	\$11,700.00	NO BID	NO BID
17E	60	6" x 6" Mechanical Joint Tee	Each	\$157.00	\$9,420.00	NO BID	NO BID
17F	20	12" x 8" Anchor Tee	Each	\$487.00	\$9,740.00	NO BID	NO BID
17G	20	12" x 6" Anchor Tee	Each	\$322.00	\$6,440.00	NO BID	NO BID
17H	20	8" x 8" Anchor Tee	Each	\$342.00	\$6,840.00	NO BID	NO BID
17I	20	8" x 6" Anchor Tee	Each	\$224.00	\$4,480.00	NO BID	NO BID
17J	20	6" x 6" Anchor Tee	Each	\$181.00	\$3,620.00	NO BID	NO BID
18A	20	4" Mechanical Joint M.J., Restraint, Ductile Iron Pipe	Each	\$27.00	\$540.00	NO BID	NO BID
18B	20	6" Mechanical Joint M.J., Restraint, Ductile Iron Pipe	Each	\$31.00	\$620.00	NO BID	NO BID
18C	20	8" Mechanical Joint M.J., Restraint, Ductile Iron pipe	Each	\$47.00	\$940.00	NO BID	NO BID
18D	20	12" Mechanical Joint M.J., Restraint, Ductile Iron Pipe	Each	\$100.00	\$2,000.00	NO BID	NO BID
18E	20	4" Mechanical Joint M.J., Restraint, PVC/PVCO Pipe	Each	\$32.00	\$640.00	NO BID	NO BID
18F	20	6" Mechanical Joint M.J., Restraint, PVC/PVCO Pipe	Each	\$39.00	\$780.00	NO BID	NO BID



**Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation**

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
18G	20	8" Mechanical Joint M.J., Restraint, PVC/PVCO Pipe	Each	\$57.00	\$1,140.00	NO BID	NO BID
18H	20	12" Mechanical Joint M.J., Restraint, PVC/PVCO Pipe	Each	\$114.00	\$2,280.00	NO BID	NO BID
19A	25	Copper to Plastic Straight Service Fitting 3/4"	Each	\$23.00	\$575.00	\$23.00	\$575.00
19B	25	Copper to Plastic Straight Service Fitting 1"	Each	\$26.00	\$650.00	\$26.00	\$650.00
19C	25	Copper to Plastic Straight Service Fitting 1-1/2"	Each	\$85.00	\$2,125.00	\$86.00	\$2,150.00
19D	25	Copper to Plastic Straight Service Fitting 2"	Each	\$115.00	\$2,875.00	\$116.00	\$2,900.00
20A	25	Copper to Plastic Fitting SS Liner/Insert (3/4" CTS) Polyethylene	Each	\$3.00	\$75.00	\$3.00	\$75.00
20B	25	Copper to Plastic Fitting SS Liner/Insert (1" CTS) Polyethylene	Each	\$3.00	\$75.00	\$3.50	\$87.50
20C	25	Copper to Plastic Fitting SS Liner/Insert (1-1/2" CTS) Polyethylene	Each	\$4.00	\$100.00	\$4.00	\$100.00
20D	25	Copper to Plastic Fitting SS Liner/Insert (2" CTS) Polyethylene	Each	\$4.00	\$100.00	\$4.50	\$112.50
21A	25	3/4" x 1" Corp Stop Coupling	Each	\$28.00	\$700.00	\$27.00	\$675.00
21B	25	1" Straight Service Fitting	Each	\$41.00	\$1,025.00	\$32.00	\$800.00
21C	25	3/4" Straight Coupling	Each	\$28.00	\$700.00	\$22.00	\$550.00
22A	10	16" PCCP bell x 16" DI Spigot	Each	\$6,917.00	\$69,170.00	NO BID	NO BID
22B	10	20" PCCP bell x 20" DI Spigot	Each	\$7,842.00	\$78,420.00	NO BID	NO BID
22C	10	24" PCCP bell x 24" DI Spigot	Each	\$7,921.00	\$79,210.00	NO BID	NO BID
22D	10	30" PCCP bell x 30" DI Spigot	Each	\$9,858.00	\$98,580.00	NO BID	NO BID
22E	10	36" PCCP bell x 36" DI Spigot	Each	\$10,783.00	\$107,830.00	NO BID	NO BID
22F	10	42" PCCP bell x 42" DI Spigot	Each	\$12,615.00	\$126,150.00	NO BID	NO BID
22G	10	16" PCCP spigot x 16" DI bell	Each	\$7,236.00	\$72,360.00	NO BID	NO BID
22H	10	20" PCCP spigot x 20" DI bell	Each	\$6,245.00	\$62,450.00	NO BID	NO BID
22I	10	24" PCCP spigot x 24" DI bell	Each	\$6,681.00	\$66,810.00	NO BID	NO BID
22J	10	30" PCCP spigot x 30" DI bell	Each	\$7,736.00	\$77,360.00	NO BID	NO BID
22K	10	36" PCCP spigot x 36" DI bell	Each	\$8,787.00	\$87,870.00	NO BID	NO BID
22L	10	42" PCCP spigot x 42" DI bell	Each	\$13,145.00	\$131,450.00	NO BID	NO BID
23A	10	6" x 13", Locking Swivel Adaptor, Solid x Swivel	Each	\$176.00	\$1,760.00	NO BID	NO BID
23B	10	6" x 18", Locking Swivel Adaptor, Solid x Swivel	Each	\$194.00	\$1,940.00	NO BID	NO BID
23C	10	6" x 24", Locking Swivel Adaptor, Solid x Swivel	Each	\$262.00	\$2,620.00	NO BID	NO BID
23D	10	6" x 36", Locking Swivel Adaptor, Solid x Swivel	Each	\$333.00	\$3,330.00	NO BID	NO BID
23E	10	8" x 13", Locking Swivel Adaptor, Solid x Swivel	Each	\$226.00	\$2,260.00	NO BID	NO BID
23F	10	12" x 13", Locking Swivel Adaptor, Solid x Swivel	Each	\$594.00	\$5,940.00	NO BID	NO BID
23G	10	Locking 90° (SSB) Swivel x Swivel Bend, 6" x 6" (Lucas County Type)	Each	\$206.00	\$2,060.00	NO BID	NO BID
23H	10	Locking Swivel Tee, MJ x Swivel, 8"x8"x6"	Each	\$224.00	\$2,240.00	NO BID	NO BID
23I	10	Locking Swivel Tee, MJ x Swivel, 12"x12"x6"	Each	\$322.00	\$3,220.00	NO BID	NO BID

Tie goes to Ferguson (1st submitted)



Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
24A	10	6" x 7-1/2" x 3/4" cc tap	Each	\$110.00	\$1,100.00	NO BID	NO BID
24B	10	6" x 10" x 3/4" cc tap	Each	\$140.00	\$1,400.00	NO BID	NO BID
24C	10	6" x 15" x 3/4" cc tap	Each	\$183.00	\$1,830.00	NO BID	NO BID
24D	10	6" x 7-1/2" x 1" cc tap	Each	\$110.00	\$1,100.00	NO BID	NO BID
24E	10	6" x 10" x 1" cc tap	Each	\$140.00	\$1,400.00	NO BID	NO BID
24F	10	6" x 15" x 1" cc tap	Each	\$183.00	\$1,830.00	NO BID	NO BID
24G	10	6" x 10" x 2" cc tap	Each	\$157.00	\$1,570.00	NO BID	NO BID
24H	10	8" x 7-1/2" x 3/4" cc tap	Each	\$124.00	\$1,240.00	NO BID	NO BID
24I	10	8" x 10" x 3/4" cc tap	Each	\$155.00	\$1,550.00	NO BID	NO BID
24J	10	8" x 15" x 3/4" cc tap	Each	\$214.00	\$2,140.00	NO BID	NO BID
24K	10	8" x 7-1/2" x 1" cc tap	Each	\$124.00	\$1,240.00	NO BID	NO BID
24L	10	8" x 10" x 1" cc tap	Each	\$155.00	\$1,550.00	NO BID	NO BID
24M	10	8" x 15" x 1" cc tap	Each	\$214.00	\$2,140.00	NO BID	NO BID
24N	10	8" x 10" x 2" cc tap	Each	\$173.00	\$1,730.00	NO BID	NO BID
24O	10	12" x 10" x 3/4" cc	Each	\$195.00	\$1,950.00	NO BID	NO BID
24P	10	12" x 15" 3/4" cc	Each	\$278.00	\$2,780.00	NO BID	NO BID
24Q	10	12" x 10" x 1" xx	Each	\$195.00	\$1,950.00	NO BID	NO BID
24R	10	12" x 15" x 1" cc	Each	\$278.00	\$2,780.00	NO BID	NO BID
24S	10	12" x 10" x 2" cc	Each	\$213.00	\$2,130.00	NO BID	NO BID
25A	100	Stainless Stiffener 3/4"	Each	\$3.00	\$300.00	NO BID	NO BID
25B	100	Stainless Stiffener 1"	Each	\$3.00	\$300.00	NO BID	NO BID
26A	5	6" Solid Sleeve Coupler, MJ x MJ	Each	\$100.00	\$500.00	NO BID	NO BID
26B	5	8" Solid Sleeve Coupler, MJ x MJ	Each	\$160.00	\$800.00	NO BID	NO BID
26C	5	12" Solid Sleeve Coupler, MJ x MJ	Each	\$257.00	\$1,285.00	NO BID	NO BID
27A	3	Ductile Iron Repair Band, w/SS Straps. 200 psig Pressure Line	Each	NO BID	NO BID	NO BID	NO BID
27B	3	Ductile Iron Repair Band, w/SS Straps. 80 psig Pressure Line	Each	NO BID	NO BID	NO BID	NO BID
28A	3	Ductile Iron Bell Encapsulation Sleeve. 200 psig Pressure Line	Each	NO BID	NO BID	NO BID	NO BID
28B	3	Ductile Iron Bell Encapsulation Sleeve. 80 psig Pressure Line	Each	NO BID	NO BID	NO BID	NO BID
29	5	4" Top Bolt Coupling	Each	\$138.00	\$690.00	NO BID	NO BID
29A	5	6" Top Bolt Coupling	Each	\$211.00	\$1,055.00	NO BID	NO BID
29B	5	8" Top Bolt Coupling	Each	\$235.00	\$1,175.00	NO BID	NO BID
29C	5	12" Top Bolt Coupling	Each	\$316.00	\$1,580.00	NO BID	NO BID



**Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation**

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
29D	5	12" Over Size Top Bolt Coupling	Each	\$356.00	\$1,780.00	NO BID	NO BID
29E	5	16" Top Bolt Coupling	Each	\$759.00	\$3,795.00	NO BID	NO BID
30	5	6" Hymax 2 Coupling	Each	\$292.00	\$1,460.00	\$330.00	\$1,650.00
30A	5	8" Hymax 2 Coupling	Each	\$330.00	\$1,650.00	\$370.00	\$1,850.00
30B	5	12" Hymax 2 Coupling	Each	\$500.00	\$2,500.00	\$560.00	\$2,800.00
30C	5	16" Hymax Large Diameter (HDL) Long Body	Each	\$2,172.00	\$10,860.00	NO BID	NO BID
30D	5	18" Hymax Large Diameter (HDL) Long Body	Each	\$2,497.00	\$12,485.00	NO BID	NO BID
30E	5	20" Hymax Large Diameter (HDL) Long Body	Each	\$2,701.00	\$13,505.00	NO BID	NO BID
30F	5	24" Hymax Large Diameter (HDL) Long Body	Each	\$2,793.00	\$13,965.00	NO BID	NO BID
30G	5	30" Hymax Large Diameter (HDL) Long Body	Each	\$4,340.00	\$21,700.00	NO BID	NO BID
30H	5	36" Hymax Large Diameter (HDL) Long Body	Each	\$4,758.00	\$23,790.00	NO BID	NO BID
30I	5	42" Hymax Large Diameter (HDL) Long Body	Each	\$6,508.00	\$32,540.00	NO BID	NO BID
31	5	4" Hymax Grip Coupling	Each	\$286.00	\$1,430.00	\$320.00	\$1,600.00
31A	5	6" Hymax Grip Coupling	Each	\$394.00	\$1,970.00	\$440.00	\$2,200.00
31B	5	8" Hymax Grip Coupling	Each	\$509.00	\$2,545.00	\$570.00	\$2,850.00
31C	5	12" Hymax Grip Coupling	Each	\$760.00	\$3,800.00	\$850.00	\$4,250.00
32	5	6" Hymax Grip Swiveljoint Coupling	Each	\$997.00	\$4,985.00	NO BID	NO BID
32A	5	8" Hymax Grip Swiveljoint Coupling	Each	\$1,429.00	\$7,145.00	NO BID	NO BID
32B	5	12" Hymax Grip Swiveljoint Coupling	Each	\$2,164.00	\$10,820.00	NO BID	NO BID
33	50	Locking Plastic Meter Lid	Each	\$68.00	\$3,400.00	NO BID	NO BID
34	50	Ductile Iron Meter Frame and Locking Plastic Meter Lid Assembly	Each	\$134.00	\$6,700.00	NO BID	NO BID
35	50	Corporation Stop Coupling Inside Flare to Compression Adaptor 3/4" x 3/4"	Each	\$28.00	\$1,400.00	NO BID	NO BID
35A	50	Corporation Stop Coupling Inside Flare to Compression Adaptor 1" x 1"	Each	\$41.00	\$2,050.00	NO BID	NO BID
35B	50	Corporation Stop Coupling Inside Flare to Compression Adaptor 1-1/2" x 1-1/2"	Each	\$121.00	\$6,050.00	NO BID	NO BID
36	15	Pipe Bell Restrainer, 6" PVC	Each	\$163.00	\$2,445.00	NO BID	NO BID
36A	15	Pipe Bell Restrainer, 8" PVC	Each	\$299.00	\$4,485.00	NO BID	NO BID
36B	15	Pipe Bell Restrainer, 12" PVC	Each	\$569.00	\$8,535.00	NO BID	NO BID
37	10	6" 11-1/4° Bend, MJxMJ	Each	\$85.00	\$850.00	NO BID	NO BID
37A	10	6" 22-1/2° Bend, MJxMJ	Each	\$81.00	\$810.00	NO BID	NO BID
37B	10	6" 45° Bend, MJxMJ	Each	\$89.00	\$890.00	NO BID	NO BID
37C	10	6" 90° Bend, MJxMJ	Each	\$110.00	\$1,100.00	NO BID	NO BID



**Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation**

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
37D	10	8" 11-1/4° Bend, MJxMJ	Each	\$115.00	\$1,150.00	NO BID	NO BID
37E	10	8" 22-1/2° Bend, MJxMJ	Each	\$126.00	\$1,260.00	NO BID	NO BID
37F	10	8" 45° Bend, MJxMJ	Each	\$129.00	\$1,290.00	NO BID	NO BID
37G	10	8" 90° Bend, MJxMJ	Each	\$158.00	\$1,580.00	NO BID	NO BID
37H	10	12" 11-1/4° Bend, MJxMJ	Each	\$229.00	\$2,290.00	NO BID	NO BID
37I	10	12" 22-1/2° Bend, MJxMJ	Each	\$244.00	\$2,440.00	NO BID	NO BID
37J	10	12" 45° Bend, MJxMJ	Each	\$279.00	\$2,790.00	NO BID	NO BID
37K	10	12" 90° Bend, MJxMJ	Each	\$337.00	\$3,370.00	NO BID	NO BID
38	1	6"-8" pipe, 20" Lay flat Width 20", L=350', Blue Tube, non-perf'd.	Each	\$192.00	\$192.00	NO BID	NO BID
38A	1	10"-12" pipe, 27" Lay flat Width 20", L=350', Blue Tube, non-perf'd.	Each	\$144.00	\$144.00	NO BID	NO BID
38B	1	14"-18" pipe, 37" Lay flat Width 20", L=350', Blue Tube, non-perf'd.	Each	\$178.00	\$178.00	NO BID	NO BID
38C	1	20"-24" pipe, 54" Lay flat Width 20", L=350', Blue Tube, non-perf'd.	Each	\$260.00	\$260.00	NO BID	NO BID
38D	1	30" pipe, 67" Lay flat Width 20", L=180', Blue Tube, non-perf'd.	Each	NO BID	NO BID	NO BID	NO BID
38E	1	36"-42" pipe, 81" Lay flat Width 20", L=180', Blue Tube, non-perf'd.	Each	\$321.00	\$321.00	NO BID	NO BID
39	10	Carbon Steel Socket Clamp, 6" Diameter, 1/2"x2" Stock, 5/8"x3" B&N	Each	\$51.00	\$510.00	NO BID	NO BID
39A	10	Carbon Steel Socket Clamp, 8" Diameter, 1/2"x2" Stock, 5/8"x3" B&N	Each	\$60.00	\$600.00	NO BID	NO BID
39B	5	Carbon Steel Socket Clamp, 12" Diameter, 1/2"x2" Stock, 5/8"x3-1/2" B&N	Each	\$74.00	\$370.00	NO BID	NO BID
39C	10	Stainless Steel Socket Clamp, 6" Diameter, 1/2"x2" Stock, 5/8"x3" B&N	Each	\$141.00	\$1,410.00	NO BID	NO BID
39D	10	Stainless Steel Socket Clamp, 8" Diameter, 1/2"x2" Stock, 5/8"x3" B&N	Each	\$165.00	\$1,650.00	NO BID	NO BID
39E	5	Stainless Steel Socket Clamp, 12" Diameter, 1/2"x2" Stock, 5/8"x3-1/2" B&N	Each	\$205.00	\$1,025.00	NO BID	NO BID
39F	50	Washer, Carbon Steel, 1" Bore, PN: 364-9000, Qty=2 per Socket Clamp	Each	\$6.00	\$300.00	NO BID	NO BID
39G	50	Washer, Stainless Steel, 1" Bore, PN: 803-9000, Qty=2 per Socket Clamp	Each	\$17.00	\$850.00	NO BID	NO BID
39H	50	Tie Lugs, Ductile Iron, PN: 364-3395 (Domestic) / 364-9035 (Non-Domestic), Qty=2 per Socket Clamp	Each	\$5.00	\$250.00	NO BID	NO BID
39I	50	Tie-Bolt with heavy hex nut, Carbon Steel, PN: 364-4000, Qty=2 per Socket Clamp	Each	\$6.00	\$300.00	NO BID	NO BID
39J	30	Carbon Steel Flange Lugs, 6", PN: 364-4106, Qty=3 per Joint, 1/2" Thk. Plate	Each	\$36.00	\$1,080.00	NO BID	NO BID
39K	30	Carbon Steel Flange Lugs, 8", PN: 364-4107, Qty=3 per Joint, 1/2" Thk. Plate	Each	\$36.00	\$1,080.00	NO BID	NO BID
39L	30	Carbon Steel Flange Lugs, 12", PN: 364-4109, Qty=3 per Joint, 3/4" Thk. Plate	Each	\$39.00	\$1,170.00	NO BID	NO BID
39M	30	Stainless Steel Flange Lugs, 6", PN: 364-4126, Qty=3 per Joint, 1/2" Thk. Plate	Each	\$95.00	\$2,850.00	NO BID	NO BID
39N	30	Stainless Steel Flange Lugs, 8", PN: 364-4127, Qty=3 per Joint, 1/2" Thk. Plate	Each	\$100.00	\$3,000.00	NO BID	NO BID
39O	30	Stainless Steel Flange Lugs, 12", PN: 364-4129, Qty=3 per Joint, 3/4" Thk. Plate	Each	\$205.00	\$6,150.00	NO BID	NO BID

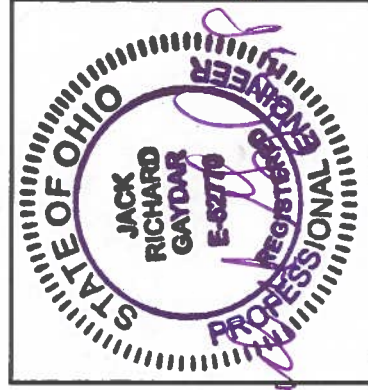


**Avon Lake Regional Water
2024 Bi-Annual Water Distribution Supplies Bid (First Half)
Bid Tabulation**

Contract period is from January 1, 2024 through and including June 30, 2024.

Item No.	Approx. Quantity	Item Description	Unit Of Measure	Core & Main		Ferguson Waterworks	
				Unit Price	Total Cost	Unit Price	Total Cost
39P	40	Stainless Steel All-Thread Rod, 3/4"-10, Diameter, SS-304 or 316, 10 foot length	Each	NO BID	NO BID	NO BID	NO BID
39Q	10	Stainless Steel All-Thread Rod, 1"-8, Diameter, SS-304 or 316, 10 foot length	Each	NO BID	NO BID	NO BID	NO BID
39R	80	Stainless Steel Heavy Hex Nut, 3/4"-10 thread, SS-304 or 316	Each	NO BID	NO BID	NO BID	NO BID
39S	20	Stainless Steel Heavy Hex Nut, 3/4"-8 thread, SS-304 or 316	Each	NO BID	NO BID	NO BID	NO BID
40	30	ADS Potable Water Service Tubing, (CTS) 2" nominal	Each	\$3.00	\$90.00	NO BID	NO BID
41	30	2"x2"x1" Mueller Pack Joint	Each	\$179.00	\$5,370.00	NO BID	NO BID
42	20	6" Dia. Sewer Pipe, ASTM D-3034, SDR 35, Gasket Joint	LF	\$8.00	\$160.00	NO BID	NO BID
42A	20	8" Dia. Sewer Pipe, ASTM D-3034, SDR 35, Gasket Joint	LF	\$14.00	\$280.00	NO BID	NO BID
42B	20	10" Dia. Sewer Pipe, ASTM D-3034, SDR 35, Gasket Joint	LF	\$21.00	\$420.00	NO BID	NO BID
42C	20	12" Dia. Sewer Pipe, ASTM D-3034, SDR 35, Gasket Joint	LF	\$30.00	\$600.00	NO BID	NO BID
42D	20	15" Dia. Sewer Pipe, ASTM D-3034, SDR 35, Gasket Joint	LF	\$43.00	\$860.00	NO BID	NO BID
43	10	ADS N-12, ST IB Pipe (Per AASHTO)	LF	\$56.00	\$560.00	NO BID	NO BID
44	5	1-1/2" Metter Setter, Copper	Each	\$1,131.00	\$5,655.00	NO BID	NO BID
44A	5	2" Metter Setter, Copper	Each	\$1,438.00	\$7,190.00	NO BID	NO BID
45	10	Plastic Meter Pit Lid	Each	\$153.00	\$1,530.00	NO BID	NO BID
46	10	Cast Iron Meter Frame Cover and Riser Ring Assembly	Each	\$832.00	\$8,320.00	NO BID	NO BID

† See exception sheet



John R. Gaydar
P.S.E.

Jack R. Gaydar, P.E., P.S., M. ASCE, CESSWI, CPESC, CPO
Engineering Services Manager

Date: 17 NOV 23

Submitted Bids			
Business	Status	Bid Total	Submitted
Ferguson Waterworks	Opened at 11/16/2023 12:09 PM EST		11/16/2023 11:17 AM EST
Core and Main	Opened at 11/16/2023 12:09 PM EST		11/16/2023 11:40 AM EST
2 Submitted Bids			

Export - MS Excel	
Signed By	Account Holder
Derek Baker	Ben Rubel
Matthew Ferguson	Matthew Ferguson