

**BOARD OF WATER & WASTEWATER COMMISSIONER'S  
MEETING AGENDA\***  
**Harwich Water Department, 196 Chatham Road, Harwich MA**  
*Thursday, November 16, 2023*  
*11:30 a.m.*

*\*As required by Open Meeting Law, you are hereby informed that the Town will be video and audio taping as well as broadcasting this public meeting. In addition, anyone in the audience who plans to video or audio tape this meeting must notify the Chairman prior to the start of the meeting.*

- I. CALL TO ORDER
- II. EXECUTIVE SESSION
- III. PUBLIC COMMENTS / ANNOUNCEMENTS
- IV. CONSENT AGENDA
  - A. Minutes
    - 1. October 19, 2023
- V. ABATEMENTS
- VI. OLD BUSINESS
  - A. Water & Wastewater Capital Plan
  - B. FY25 Water & Wastewater Operating Budget
- VII. NEW BUSINESS
  - A. General Waterworks Supply Bid
- VIII. SUPERINTENDENT'S REPORT
- IX. COMMISSIONER'S REPORT
- X. CORRESPONDENCE / ANY OTHER BUSINESS
- XI. NEXT MEETING: TBD
- XII. ADJOURNMENT

*\*Per the Attorney General's Office: The Board of Water Commissioners may hold an open session for topics not reasonably anticipated by the Chair 48 hours in advance of the meeting following "New Business."  
If you are deaf or hard of hearing or are a person with a disability who requires an accommodation, contact the Water Department Office at 508-432-0304 x.0 or by email at [customerservice@harwichwater.com](mailto:customerservice@harwichwater.com).*

Authorized Posting Officer:

Town Posting Date: \_\_\_\_\_

Tracey Alves | Board Secretary

\_\_\_\_\_ | Town Clerk

#### IV. CONSENT AGENDA

##### A. Minutes

##### 1. October 19, 2023

**MINUTES  
HARWICH WATER DEPARTMENT  
BOARD OF WATER/WASTEWATER COMMISSIONERS  
MEETING**

Thursday, October 19, 2023  
11:30 a.m.

**WATER COMMISSIONER'S PRESENT:** Chair Gary Carreiro, Vice Chair Noreen Donahue, Clerk Allin Thompson, Commissioner Judith Underwood, Commissioner John Gough

**OTHERS PRESENT:** Superintendent Dan Pelletier, Administrative Assistant Tracey Alves, Assistant Superintendent Steve Hicks

**CALL TO ORDER**

Chair Carreiro called the meeting to order at 11:30 a.m.

**CONSENT AGENDA**

**A. Minutes**

1. **August 25, 2023**
2. **September 21, 2023**
3. **October 5, 2023**

The minutes of August 25, 2023, September 21, 2023 and October 5, 2023 will be added to the next agenda.

**ABATEMENTS**

**A. 2 Lake Shore Dr**

Commissioner Underwood motioned to deny the abatement. Clerk Thompson seconded the motion. All in favor; 5-0-0.

**B. 81 Riverside Dr**

Clerk Thompson motioned to deny the abatement. Commissioner Underwood seconded the motion. All in favor; 5-0-0.

**OLD BUSINESS**

**A. Water & Wastewater Capital Plan**

**Water Capital Plan**

The Board reviewed the draft Water Capital Plan.

Assistant Superintendent Hicks provided the Board with an overview of the vehicles.

Superintendent Pelletier proposed that it may be a good idea for both Water and Wastewater to have an "Unforeseen Repair Fund" in the budget so that we can use it for any type of emergency

that may come up. If we did a Capital Article, we would have a fund to draw from and if we don't need it and we don't use it, we can balance it out year to year.

Superintendent Pelletier is proposing adding another standalone article in FY25 for Well Rehab and Maintenance for \$150,000 and remove it from our budget.

Superintendent Pelletier would like to change the pipe discontinuity article to read Harbor Rd, Mill Rd water main replacement project.

At the next meeting the Board will vote to amend the Capital plan from FY25-FY29.

### **Wastewater Capital Plan**

The Board reviewed the draft Wastewater Capital Plan.

It would be nice to have an article, Capital item, for FY25 for \$75,000 for emergency pump station improvements to have money accessible should an unexpected, unplanned, unforeseen emergency arrive.

### **B. Route 28 551 Route 28, Apt #6- Payment Plan for Water Service**

The Board will allow for a 12-month payment plan for the water service installation at 551 Route 28, Apartment 6.

### **C. FY25 Water & Wastewater Budgets**

#### **FY25 Water Budget**

The Board reviewed the FY25 draft Water budget.

#### **FY25 Wastewater Budget**

Harwich relies heavily on Chatham's budget cycle for its Wastewater budget. Superintendent Pelletier will reach out to Chatham regarding their budget cycle so that a FY25 Wastewater budget can be created. They have had major turnover in staffing, Bob Duncanson is no longer there, the DPW Director is no longer there, the Finance Director is no longer there, so Superintendent Pelletier will reach out to the new DPW Director Tom Barr who used to work with Weston & Sampson, to see if he can hash things out and bring everyone up to speed. The big unknown this year is that their contract operations contract is up to be rebid.

### **D. Route 28 Watermain Replacement Project**

The GHD design team is wrapping up the design drawings for both contracts, DOT's scope and our own portion of scope and hoping to have them done by January. DOT will then review them. Conceivably in March, we will be ready to put the Lower County Rd to bridge portion out to bid. Also, GHD is working on the bid specifications for the insertion valve machine that we are purchasing as part of this project and hopefully that bid will coming a lot sooner.

### **E. Q1 Billing Update**

Superintendent Pelletier provided the Board with a Q1 Billing update.

## **SUPERINTENDENT'S REPORT**

The drillers will be starting on the 8" test well at the end of the month.

The transfer switches for the generators are available for pick-up.

SCADA will be coming out to separate water from wastewater.

#### **COMMISSIONER'S REPORT**

Superintendent Pelletier will contact Shaun at Highway for information on fertilizers and pesticides.

MMA is being held January 19 & January 20 at the Heinz Convention Center.

#### **NEXT MEETING**

The next meeting is scheduled to take place on Thursday, November 2, 2023 at 11:30 a.m.

#### **ADJOURN**

Chair Carreiro entertained a motion to adjourn at 1:07 p.m. Clerk Thompson moved the motion with a second by Commissioner Underwood, All in favor; 5-0-0.

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Gary Carreiro, Chairman

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Dan Pelletier, Superintendent

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Noreen Donahue, Vice Chair

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Tracey Alves, Board Secretary

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Allin Thompson, Clerk

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Judith Underwood, Commissioner

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John Gough, Commissioner

## VI. OLD BUSINESS

### A. Water & Wastewater Capital Plan

**Five Year Capital Outlay Plan  
FY 2025 to 2029 DRAFT**

FY25 - FY29 Capital Outlay Plan - Adopted 11-2-23							
Department	Title	FY2025	FY2026	FY2027	FY 2028	FY 2029	Five Year Total
Water Department	Vehicle replacements	270,000					<b>270,000</b>
	<i>Truck 12 Replacement - F-150 ext. Cab</i>	60,000					
	<i>Auxiliary Service Truck - F-350/450 w/ onboard air &amp; inverter</i>	150,000					
	<i>Vehicle 15 Replacement - F-150 Crew Cab</i>	60,000					
Water Department	Equipment replacements - Purchase Loader	232,000					<b>232,000</b>
Water Department	Paint Pleasant Lake Ave. tank	1,750,000					<b>1,750,000</b>
Water Department	Well Rehabilitation	150,000					<b>150,000</b>
Water Department	Pipe discontinuity upgrade - Mill Rd & Harbor Rd		1,500,000				<b>1,500,000</b>
Water Department	New Well Construction & Water Treatment Plant Upgrades			3,500,000			<b>3,500,000</b>
Water Department	196 Chatham Road Improvements - Space Building/Garage				1,500,000		<b>1,500,000</b>
	<b>Water Department</b>	<i>2,672,000</i>	<i>1,500,000</i>	<i>3,500,000</i>	<i>1,500,000</i>	<i>0</i>	
Wastewater Department	Collections System Improvements	75,000					<b>75,000</b>
Wastewater Department	Vehicle Replacement		65,000				<b>65,000</b>
	<b>Wastewater Department</b>	<i>75,000</i>	<i>65,000</i>	<i>0</i>	<i>0</i>	<i>0</i>	

VII. NEW BUSINESS

A. General Waterworks Supply Bid





Town of Harwich  
Water Department

196 Chatham Road, Harwich, MA 02645 USA \* [www.harwichwater.com](http://www.harwichwater.com)  
P. 508-432-0304 \* F. 888-774-3557 \* [customerservice@harwichwater.com](mailto:customerservice@harwichwater.com)

DATE: November 15, 2023

TO: Board of Water & Wastewater Commissioners

SUBJECT: **Recommendation to Award FY24 Water Works Supplies Bid**

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On November 15th, 2023, at 10:00AM general bids were received, opened, and read aloud in the conference room located at 196 Chatham Rd. Harwich, MA for the FY24 Water Works Supplies Bid. The Department received a total of three bids from the following vendors:

Bidder

Ferguson Waterworks

Cape Cod Winwater

EJ Prescott

Upon evaluating the bids Cape Cod Winwater was determined to be the most responsive and responsible bidder as defined in the bid documents.

Pursuant to M.G.L. c. 30 § 30b the Bid was advertised as follows:

Goods and Services Bulletin– October 30<sup>th</sup>, 2023

Cape Cod Chronicle – November 2<sup>nd</sup> & 9<sup>th</sup> 2023

COMMBUYS – October 30<sup>th</sup>, 2023

Harwich Water Department – October 30<sup>th</sup>, 2023

Where this bid will establish unit pricing for FY24 water works materials and funding for said materials has been raised and appropriated within the departments FY24 operating budget I recommend the Board of Water and Wastewater Commissioners vote to issue the Notice of Award to **Cape Cod Winwater**. As such, I have drafted a Notice of Award for your review and signature.

Respectfully,

Daniel R. Pelletier  
Superintendent of Water & Wastewater  
Town of Harwich

The Cape Cod Chronicle  
Nov. 9, 2023

**INVITATION TO BID  
GENERAL WATER WORKS SUPPLIES**

The Town of Harwich Water Department is accepting sealed bids for furnishing and delivery of General Water Works Supplies for the period of November 15, 2023 through June 30, 2024.

Specifications are available for download at <http://www.harwichwater.com/procurement> Sealed bids must be clearly labeled "HWD-24-WWS" and received at the Water Department office at 196 Chatham Road, Harwich MA 02645. Proposals will be received until 10:00 a.m. on Wednesday, November 15, 2023 EST at which time and place all bids will be publicly opened and read. For further information, please contact Water Superintendent Dan Pelletier by email to [dpelletier@harwichwater.com](mailto:dpelletier@harwichwater.com), or by phone at 508-432-0304. Responses to inquiries shall be posted in the procurement section of our website at <http://www.harwichwater.com/procurement>

The Town of Harwich reserves the right to reject any or all bids should they deem it in the best interest of the Town.

Board of Water & Wastewater Commissioners  
Gary Carreiro  
Allin Thompson  
Noreen Donahue  
Judith Underwood  
John Gough

The Cape Cod Chronicle  
Nov. 2 and 9, 2023

**Goods**

<b>AWARDING AUTHORITY:</b>					
AGENCY: Harwich, Town of Water Department 196 Chatham Road Harwich, MA 02645				BID NUMBER: HWD-24-WWS	
<b>CONTACT INFORMATION:</b>					
NAME: Daniel Pelletier		PHONE: 508-432-0304 FAX:		ADDRESS:	
TITLE: Superintendent		EMail: <a href="mailto:dpelletier@harwich-ma.gov">dpelletier@harwich-ma.gov</a>			
<b>DESCRIPTION:</b>					
The Town of Harwich Water Department will be accepting sealed bids for furnishing & delivery of FY24 General Waterworks Supplies					
<b>CONTRACT INFORMATION:</b>					
ESTIMATED RATE:	DURATION OF CONTRACT:	BID RELEASE DATE	BID RELEASE TIME	BID DEADLINE DATE: 11/15/23	BID DEADLINE TIME: 10:00 A.M.
ADDITIONAL INFORMATION: Documents available <a href="https://harwichwater.com/procurement">https://harwichwater.com/procurement</a>					

Header Information

<b>Bid Number:</b>	BD-24-1535-WD-WATER-94520	<b>Description:</b>	FY24 Waterworks Supplies	<b>Status:</b>	ZBS - Sent
<b>Purchaser:</b>	Daniel Pelletier	<b>Minor Status:</b>			
<b>Organization:</b>	Town of Harwich				
<b>Fiscal Year:</b>	24	<b>Department:</b>	WD - Water Department	<b>Location:</b>	WATER - Water Department
<b>Show On Web:</b>	Yes	<b>Allow Electronic Quote:</b>	No	<b>Required Date:</b>	
<b>Bid Opening Date:</b>	11/15/2023 10:00:00 AM	<b>Available Date:</b>	10/30/2023 12:00:00 AM		
<b>Bid Type:</b>	Open Bid	<b>Informal Bid:</b>	No		
<b>Estimated Cost:</b>	\$100,000.00				
<b>Alternate ID:</b>		<b>Purchase Method:</b>	Open Market	<b>Catalog Id (for contract):</b>	
<b>Blanket/Contract Begin Date:</b>		<b>Blanket/Contract End Date:</b>		<b>Type Code:</b>	NS
<b>Info Contact:</b>		<b>Bulletin Desc:</b>	The Town of Harwich Water Department will be accepting sealed bids for furnishing & delivery of FY24 General Waterworks Supplies. Bid documents are available for download at <a href="http://www.harwichwater.com/procurement">http://www.harwichwater.com/procurement</a>	<b>Pre-Bid Conference:</b>	None
<b>U N S P S C Code Certified Required:</b>	No	<b>Acknowledge Inclusion required:</b>	No	<b>Hour of Acknowledge Inclusion:</b>	0.0
<b>Subcontractor Info:</b>		<b>Quote Notification:</b>	No		
<b>Date Last Updated:</b>	10/25/2023 01:19:21 PM	<b>User Last Updated:</b>	Daniel Pelletier	<b>Item Single Award Only:</b>	No
<b>Ship-to Address:</b>	Daniel R Pelletier 196 Chatham Rd MA Harwich, MA 02645 US Email: dpelletier@harwichwater.com Phone: (508)432-0304	<b>Bill-to Address:</b>	Daniel R Pelletier 196 Chatham Rd MA Harwich, MA 02645 US Email: dpelletier@harwichwater.com Phone: (508)432-0304	<b>Print Format:</b>	Bid Print
<b>Solicitation Enabled:</b>	No	<b>Allow vendors to submit multiple / alternate quotes:</b>			
<b>Invoice Method:</b>	Three Way Match	<b>Close Q&amp;A For Vendor Date:</b>			
<b>Bidders:</b>					

Vendor Id	Vendor Name	Preferred Delivery Method	Notifications	Responded
00008286	Core & Main, LP	Email	Bid Available: Emailed to jeffrey.struk@coreandmain.com at 10/30/2023 12:00:50 AM Emailed to paul.gunning@coreandmain.com at 10/30/2023 12:00:50 AM Emailed to SNEstimating@coreandmain.com at 10/30/2023 12:00:50 AM	No
00032433	Cape Cod Winwater	Email	Bid Available: Emailed to jrhealy@winwaterworks.com at 10/30/2023 12:00:50 AM	No
211865	Ferguson Enterprises, Inc.	Email	Bid Available: Emailed to Fionn.fitzgerald-mcke@ferguson.com at 10/30/2023 12:00:50 AM	No

Attachments



Town of Harwich Water Department  
Board of Water & Wastewater Commissioners

196 Chatham Road, Harwich, MA 02645 USA \* [www.harwichwater.com](http://www.harwichwater.com)  
P. 508-432-0304 \* [commissioners@harwichwater.com](mailto:commissioners@harwichwater.com)

November 16<sup>th</sup>, 2023

Cape Cod Winwater  
Attn: Charles Snow  
192 Airport Rd  
Hyannis, MA 02601

RE: Bid Award for FY24 Water Works Supplies

Dear Mr. Snow,

The Harwich Water Department would like to thank you for your recent bid submittal to furnish and deliver FY24 Waterworks Supplies.

The Board of Water & Wastewater Commissioners meeting in official session on Thursday, November 16th, 2023, approved the recent bid submittal and are pleased to announce Cape Cod Winwater as winner of the bid.

We look forward to working with your company. If you should have any questions, please feel free to contact Superintendent Daniel Pelletier at 508-432-0304 or by e-mail to: [dpelletier@harwichwater.com](mailto:dpelletier@harwichwater.com).

Sincerely,

\_\_\_\_\_  
Gary Carreiro

\_\_\_\_\_  
Noreen Donahue

\_\_\_\_\_  
Allin P. Thompson

\_\_\_\_\_  
Judith Underwood

\_\_\_\_\_  
John Gough

Gary Carreiro  
Chair

Noreen Donahue  
Vice Chair

Allin P. Thompson  
Clerk

Judith Underwood  
Commissioner

John Gough  
Commissioner

**DOMESTIC U.S. MADE AND/OR EQUIVALENT ONLY AND ALL BRASS MUST BE LEAD-FREE**

	Cape Cod Winwater	Ferguson	EJ Prescott
Non-Collusion Certification	Yes	Yes	Yes
Tax Compliance Certification	Yes	Yes	Yes
Bidder References Submitted	Yes	Yes	Yes

**Section 1 PIPE REPAIR CLAMPS - STAINLESS STEEL - QUICK CLAMP BY TPS**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	3/4" x 6"	Quick Clamp	TPS 4106-0105-150	\$23.31	\$51.88	\$86.00
2	1" x 6"	Quick Clamp	TPS 4106-0132-150	\$25.66	\$64.69	\$86.00
3	1-1/2" x 6"	Quick Clamp	TPS 4106-0190-150	\$30.39	\$60.34	\$94.00
4	2" x 6"	Quick Clamp	TPS 4106-0238-150	\$32.76	\$68.48	\$105.00
				<b>\$112.12</b>	<b>\$245.39</b>	<b>\$371.00</b>

**Section 2 HI MAX COUPLINGS SERIES 2000**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	1-1/2"	TPS 2000	2000-0213-260		\$146.80	\$223.00
2	2"	TPS 2000	2000-0303-260	\$144.50	\$154.76	\$187.00
3	3"	TPS 2000	2000-0433-260	\$196.40	\$142.75	\$246.00
4	4"	TPS 2000	2000-0563-260	\$227.18	\$254.47	\$317.00
5	6"	TPS 2000	2000-0768-260	\$287.82	\$338.41	\$418.00
6	8"	TPS 2000	2000-0984-260	\$332.33	\$386.11	\$474.00
7	10"	TPS 2000	2000-1200-260	\$427.23	\$503.25	\$613.00
8	12"	TPS 2000	2000-1366-260	\$501.84	\$432.11	\$721.00
9	16"	TPS 2000	2000-1920-260	\$1,375.35	\$1,626.89	\$1,977.00
10	24"	TPS 2000	86056062416P	\$2,068.92	\$1,750.00	\$3,345.00
				<b>\$5,561.57</b>	<b>\$5,735.55</b>	<b>\$8,521.00</b>

**Section 3 OMNI CAST COUPLINGS SERIES 441 (SMITH-BLAIR)**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
2	2"	441 SERIES	S44100000263900	\$36.92	\$54.95	\$81.00
3	3"	441 SERIES	S44100000396900	\$59.79	\$59.40	\$129.00
4	4"	441 SERIES	S44100000510900	\$74.13	\$98.49	\$153.00
5	6"	441 SERIES	S44100000722900	\$101.11	\$107.89	\$209.00
6	8"	441 SERIES	S44100000945900	\$128.10	\$139.71	\$265.00
7	10"	441 SERIES	S44100001160900	\$176.58	\$258.75	\$366.00
8	12"	441 SERIES	S44100001350900	\$212.27	\$275.00	\$440.00
9	16"	441 SERIES	S44100001780900	\$729.29	\$312.63	\$915.00
				<b>\$1,518.19</b>	<b>\$1,306.82</b>	<b>\$2,558.00</b>

**Section 4 MJ FITTINGS - LESS ACCESSORIES - DOMESTIC US MADE ONLY**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	6" x 6"	Hydrant Tees	Less Accessories	\$264.56	\$279.19	\$272.00
2	8" x 6"	Hydrant Tees	Less Accessories	\$393.95	\$415.76	\$409.00
3	10" x 6"	Hydrant Tees	Less Accessories	\$515.17	\$543.69	\$530.00
4	10" x 8"	Hydrant Tees	Less Accessories	\$622.45	\$399.47	\$640.00
5	12" x 6"	Hydrant Tees	Less Accessories	\$598.73	\$631.85	\$615.00
6	12" x 8"	Hydrant Tees	Less Accessories	\$673.23	\$710.50	\$692.00
7	16" x 6"	Hydrant Tees	Less Accessories	\$1,068.84	\$1,128.00	\$1,098.00
8	16" x 8"	Hydrant Tees	Less Accessories	\$3,708.76	\$1,196.81	\$2,014.00
9	6" x 6"	Tees	Less Accessories	\$229.34	\$242.02	\$236.00
10	8" x 6"	Tees	Less Accessories	\$286.67	\$302.52	\$295.00
11	8" x 8"	Tees	Less Accessories	\$339.88	\$358.72	\$349.00
12	10" x 6"	Tees	Less Accessories	\$445.56	\$470.22	\$458.00

13	10" x 8"	Tees	Less Accessories	\$524.17	\$553.19	\$539.00
14	10" x 10"	Tees	Less Accessories	\$593.78	\$626.67	\$610.00
15	12" x 12"	Tees	Less Accessories	\$748.06	\$790.02	\$769.00
16	12" x 10"	Tees	Less Accessories	\$721.62	\$754.59	\$735.00
17	12" x 8"	Tees	Less Accessories	\$568.39	\$599.86	\$584.00
18	12" x 6"	Tees	Less Accessories	\$538.12	\$567.89	\$553.00
19	16" x 16"	Tees	Less Accessories	\$2,003.34	\$2,114.23	\$2,058.00
20	16" x 12"	Tees	Less Accessories	\$154.23	\$1,676.86	\$1,632.00
21	16" x 10"	Tees	Less Accessories	\$1,470.51	\$1,537.70	\$1,497.00
22	16" x 8"	Tees	Less Accessories	\$1,288.59	\$1,402.00	\$1,365.00
23	16" x 6"	Tees	Less Accessories	\$1,235.76	\$1,292.23	\$1,258.00
24	8" x 6"	Reducers	Less Accessories	\$152.34	\$160.77	\$157.00
25	10" x 6"	Reducers	Less Accessories	\$193.43	\$202.26	\$197.00
26	10" x 8"	Reducers	Less Accessories	\$208.15	\$226.47	\$221.00
27	12" x 6"	Reducers	Less Accessories	\$316.95	\$334.51	\$326.00
28	12" x 8"	Reducers	Less Accessories	\$329.28	\$347.48	\$336.00
29	12" x 10"	Reducers	Less Accessories	\$352.17	\$371.67	\$362.00
30	16" x 12"	Reducers	Less Accessories	\$767.45	\$809.91	\$789.00
31	16" x 10"	Reducers	Less Accessories	\$735.67	\$723.13	\$749.00
32	16" x 8"	Reducers	Less Accessories	\$704.39	\$743.35	\$724.00
33	16" x 6"	Reducers	Less Accessories	\$693.52	\$681.69	\$706.00
34	6" x 12"	Solid Sleeve Long	Less Accessories	\$140.06	\$147.81	\$144.00
35	8" x 12"	Solid Sleeve Long	Less Accessories	\$181.84	\$191.89	\$187.00
36	10" x 12"	Solid Sleeve Long	Less Accessories	\$271.12	\$286.11	\$279.00
37	12" x 12"	Solid Sleeve Long	Less Accessories	\$366.12	\$386.38	\$376.00
38	16" x 12"	Solid Sleeve Long	Less Accessories	\$889.78	\$968.08	\$943.00
39	6"	Cap	Less Accessories	\$81.95	\$86.43	\$85.00
40	8"	Cap	Less Accessories	\$127.00	\$133.98	\$131.00
41	10"	Cap	Less Accessories	\$145.84	\$153.85	\$150.00
42	12"	Cap	Less Accessories	\$175.12	\$195.34	\$191.00
43	16"	Cap	Less Accessories	\$515.80	\$539.36	\$525.00
44	6" x 2"	Tap Cap	Less Accessories	\$119.62	\$126.19	\$123.00
45	8" x 2"	Tap Cap	Less Accessories	\$164.67	\$173.74	\$170.00
46	10" x 2"	Tap Cap	Less Accessories	\$184.34	\$194.49	\$190.00
47	12" x 2"	Tap Cap	Less Accessories	\$223.62	\$239.98	\$230.00
48	16" x 2"	Tap Cap	Less Accessories	\$595.15	\$622.34	\$606.00
49	6"	45's	Less Accessories	\$131.06	\$138.30	\$135.00
50	8"	45's	Less Accessories	\$185.12	\$195.34	\$191.00
51	10"	45's	Less Accessories	\$267.84	\$282.65	\$276.00
52	12"	45's	Less Accessories	\$462.39	\$488.38	\$476.00
53	16"	45's	Less Accessories	\$1,021.34	\$1,077.86	\$1,049.00
54	6"	22-1/2	Less Accessories	\$119.62	\$126.19	\$123.00
55	8"	22-1/2	Less Accessories	\$181.84	\$191.89	\$187.00
56	10"	22-1/2	Less Accessories	\$258.84	\$273.14	\$266.00
57	12"	22-1/2	Less Accessories	\$393.17	\$414.90	\$404.00
58	16"	22-1/2	Less Accessories	\$1,021.34	\$1,033.77	\$1,006.00
59	6"	11-1/2	Less Accessories	\$123.67	\$130.52	\$127.00
60	8"	11-1/2	Less Accessories	\$165.45	\$174.60	\$170.00
61	10"	11-1/2	Less Accessories	\$270.28	\$285.24	\$278.00
62	12"	11-1/2	Less Accessories	\$372.67	\$393.30	\$383.00
63	16"	11-1/2	Less Accessories	\$950.16	\$1,033.77	\$1,006.00

				\$33,553.88	\$33,881.05	\$34,182.00
<b>Section 5</b>	<b>MEGA LUG - DUCTILE/WITH BOLTS AND GASKETS - DOMESTIC US MADE ONLY</b>					
Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	6"	Mega Lug Series 1100	1106DEC	\$73.20	\$75.67	\$75.00
2	8"	Mega Lug Series 1100	1108DEC	\$106.28	\$102.06	\$100.00
3	10"	Mega Lug Series 1100	1110DEC	\$144.76	\$118.38	\$144.00
4	12"	Mega Lug Series 1100	1112DEC	\$184.44	\$176.02	\$190.00
5	16"	Mega Lug Series 1100	1116DEC	\$275.80	\$289.26	\$323.00
				<b>\$784.48</b>	<b>\$761.39</b>	<b>\$832.00</b>
<b>Section 6</b>	<b>RS VALVES - MJ VALVE LESS ACCESSORIES - MUELLER OR US VALVE</b>					
Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	6"	MJ Valve Less Accessories	A-USPO-23	\$969.32	\$975.01	\$921.00
2	8"	MJ Valve Less Accessories	A-USPO-23	\$1,544.45	\$1,552.88	\$1,466.00
3	10"	MJ Valve Less Accessories	A-USPO-23	\$2,407.08	\$2,422.35	\$2,285.00
4	12"	MJ Valve Less Accessories	A-USPO-23	\$3,046.84	\$3,064.71	\$2,892.00
5	16"	MJ Valve Less Accessories	A-USPO-23	\$9,919.46	\$10,855.27	\$9,659.00
6	24"	MJ Valve Less Accessories	A23612324	\$27,726.45	\$28,705.02	\$26,420.00
7	16"	MS Butter Fly Valve	B-3211-20	\$6,410.53	\$6,170.59	\$3,712.00
8	6"	MJ Tapping Valve	T-USPO-19	\$1,353.64	\$1,361.58	\$1,284.00
9	8"	MJ Tapping Valve	T-USPO-19	\$2,009.18	\$2,020.99	\$1,896.00
10	10"	MJ Tapping Valve	T-USPO-19	\$3,029.99	\$3,047.81	\$2,877.00
11	12"	MJ Tapping Valve	T-USPO-19	\$4,576.88	\$4,603.79	\$4,345.00
				<b>\$62,993.82</b>	<b>\$64,780.00</b>	<b>\$57,757.00</b>
<b>Section 7</b>	<b>STAINLESS STEEL TAPPING SLEEVE &amp; VALVE AWWA C - MEULLER OR US VALVE</b>					
Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	6" x 6"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$2,228.14	\$2,186.23	\$2,360.00
2	8" x 6"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$2,344.66	\$2,880.50	\$2,442.00
3	8" x 8"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$3,183.35	\$3,121.73	\$3,312.00
4	10" x 6"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$2,463.26	\$2,356.69	\$2,528.00
5	10" x 8"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$2,730.59	\$3,230.10	\$3,527.00
6	10" x 10"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$4,857.08	\$4,895.07	\$5,265.00
7	12" x 6"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$2,508.31	\$2,498.76	\$2,813.00
8	12" x 8"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$3,522.85	\$3,447.80	\$3,760.00
9	12" x 10"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$5,009.83	\$4,858.40	\$5,318.00
10	12" x 12"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$6,859.55	\$6,702.74	\$7,049.00
11	16" x 6"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$2,682.81	\$3,067.83	\$3,497.00
12	16" x 8"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$3,744.35	\$4,073.49	\$4,302.00
13	16" x 10"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$5,166.78	\$5,317.70	\$5,729.00
14	16" x 12"	SS Tapping Sleeve & Valve	Mueller #H-304 and Valve	\$6,939.16	\$6,906.82	\$7,643.00
				<b>\$54,240.72</b>	<b>\$55,543.86</b>	<b>\$59,545.00</b>
<b>Section 8</b>	<b>HYDRANTS - MUELLER OR US VALVE</b>					
Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	5'-1/4" x 4'6"	A-423 or Sentinel 250 A-453		\$3,080.62	\$3,220.27	\$3,300.00
2	5'-1/4" x 5'0"	A-423 or Sentinel 250 A-453		\$3,150.58	\$3,293.38	\$3,300.00
3	5'-1/4" x 5'6"	A-423 or Sentinel 250 A-453		\$3,220.43	\$3,366.41	\$3,400.00
4	5'-1/4" x 6"	Hydrant Extension		\$780.72	\$760.46	\$530.00
5	5'-1/4" x 12"	Hydrant Extension		\$918.95	\$895.00	\$624.00
6	5'-1/4" x 18"	Hydrant Extension		\$1,040.55	\$1,013.30	\$707.00
7	5'-1/4"	Safety Flange Kit		\$357.74	\$353.51	\$212.00
8	5'	Bury Freezeless Yard Hydrant		\$152.42	\$155.81	\$89.00
				<b>\$12,702.01</b>	<b>\$13,058.14</b>	<b>\$12,162.00</b>

**Section 9 ROADWAY / GATE BOXES - NORTH AMERICAN MADE**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	5'-1/4"	Gate Box Complete		\$277.62	\$272.61	\$223.00
2	5'-1/4" x 26"	Gate Box Top		\$127.06	\$109.47	\$86.00
3	5'-1/4" x 36"	Gate Box Bottom		\$148.42	\$135.08	\$115.00
4	5'-1/4" x 1"	Gate Box Riser		\$14.12	\$28.05	\$14.50
5	5'-1/4" x 1-1/2"	Gate Box Riser		\$19.38	\$23.24	\$19.50
6	5'-1/4" x 2"	Gate Box Riser		\$21.44	\$27.01	\$20.50
7	5'-1/4" x 3"	Gate Box Riser		\$38.13	\$46.23	\$37.50
8	5'-1/4" x 4"	Gate Box Riser		\$53.13	\$52.16	\$53.00
9	5'-1/4" x 6"	Gate Box Riser		\$88.77	\$73.17	\$84.00
10	4'-1/4" x 12"	Road Way Box w/lid & riser		\$264.98	\$272.61	\$151.00
				<b>\$1,053.05</b>	<b>\$1,039.63</b>	<b>\$804.00</b>

**Section 10 MUELLER BRASS - STANDARDIZED - MUELLER ONLY**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	1"	Corp Stops, Comp	Mueller #B-25008	\$106.61	\$110.09	\$89.00
2	1-1/2"	Corp Stops, Comp (CTS)	Mueller #B-25008	\$240.52	\$248.45	\$199.00
3	2"	Corp Stops, Comp	Mueller #B-25008	\$397.76	\$410.86	\$330.00
4	1"	Curb Stops	Mueller #B-25209	\$172.48	\$178.15	\$139.00
5	1-1/2"	Curb Stops	Mueller #B-25209	\$392.59	\$405.53	\$334.00
6	2"	Curb Stops	Mueller #B-25209	\$584.20	\$603.44	\$469.00
7	1"	Curb Stops FIPxFIP	Mueller #B-20283	\$152.30	\$147.99	\$112.00
8	1-1/2"	Curb Stops FIPxFIP	Mueller #B-20283	\$285.58	\$294.98	\$229.00
9	2"	Curb Stops FIPxFIP	Mueller #B-20283	\$464.03	\$432.48	\$335.00
10	1"	Male Adapters	Mueller #H-15428	\$30.35	\$31.30	\$24.00
11	1-1/2"	Male Adapters	Mueller #H-15428	\$83.86	\$86.58	\$68.00
12	2"	Male Adapters	Mueller #H-15428	\$122.13	\$126.15	\$99.00
13	1"	Female Adapters	Mueller #H-15451	\$39.37	\$40.60	\$29.00
14	1-1/2"	Female Adapters	Mueller #H-15451	\$107.19	\$110.71	\$87.00
15	2"	Female Adapters	Mueller #H-15451	\$127.76	\$131.94	\$103.00
16	1"	IPS Comp FIP Coupling	Mueller #H-15454	\$39.72	\$44.68	\$40.00
17	1"	IPS Comp MIP Coupling	Mueller #H-15454	\$45.36	\$44.68	\$34.00
18	3/4"	IPS Comp FIP Coupling	Mueller #H-15454	\$29.09	\$32.73	\$27.00
19	3/4"	IPS Comp MIP Coupling	Mueller #H-15429	\$28.93	\$32.54	\$27.00
20	1"	CTS x 1" IPS Comp Coupling	Mueller #H-15409	\$75.82	\$91.13	\$46.00
21	1"	CTS x 3/4" IPS Comp Coupling	Mueller #H-15409	\$37.99	\$73.48	\$48.00
22	1-1/2"	IPS PE x FIP PJ STRT Coupling	Mueller #H-15454	\$96.03	\$0.01	\$85.00
23	1-1/2"	IPS PE x MIP PJ STRT Coupling	Mueller #H-15429	\$107.58	\$0.01	\$95.00
24	2"	IPS PE x FIP PJ STRT Coupling	Mueller #H-15454K	\$154.99	\$0.01	\$138.00
25	2"	IPS PE x MIP PJ STRT Coupling	Mueller #H-15429	\$170.92	\$0.01	\$152.00
26	1" x 3/4"	CTS Comp x FIP Coupling	Mueller #H-15451	\$31.84	\$32.85	\$26.00
27	1" x 3/4"	CTS Comp x MIP Coupling	Mueller #H-15428	\$27.18	\$27.40	\$23.00
28	3/4"	Union	Mueller #H-15403	\$31.33	\$32.33	\$25.00
29	1"	Union	Mueller #H-15403	\$34.20	\$35.28	\$29.00
30	1-1/2"	Union	Mueller #H-15403	\$120.41	\$124.36	\$97.00
31	1-3/4"	Union	Mueller #H-15403	\$34.54	\$35.66	\$29.00
32	2"	Union	Mueller #H-15403	\$162.65	\$168.49	\$132.00
33	5/8" x 3/4" x 3/4"	Straight Meter Coupling	Mueller #H-10896	\$15.15	\$16.09	\$20.00
34	5/8" x 3/4" x 3/4"	Bent Meter Coupling	Mueller #H-10896	\$23.28	\$24.71	\$24.00
35	5/8" x 3/4" x 1"	Angle Meter Valve w/Handle	Mueller #B-24258-01	\$158.91	\$158.79	\$129.00
36	1"	SS Inserts	Mueller #H-504385	\$3.57	\$3.64	\$2.50



37	1-1/2"	SS Inserts	Mueller #H-506139	\$6.96	\$7.13	\$3.50
38	2"	SS Inserts	Mueller #H-506141	\$12.02	\$12.38	\$3.50
39	5/8" x 3/4" x 1"	CTS Compression x Meter Nut Va	Mueller #B-24258N	\$158.91	\$158.79	\$97.00
40	1"	Straight Meter Coupling	Mueller #H-10896N	\$24.49	\$25.99	\$24.00
41	1" x 2"	Flared x FIPT Brass Y Branch	Mueller #H-15342N	\$324.39	\$201.09	
42	1" x 1-1/2"	Compression x CTS Brass Y Branc	Mueller #H-15343N	\$153.11	\$162.68	\$128.00
43	1" x 1-1/4"	CTS Corp Adapter w/Brass Ring	Mueller #H-15071NH	\$64.89	\$44.33	\$40.00
44	5/8" x 3/4" x 1"	Straight Meter Valve w/Handle		\$180.71	\$135.15	\$101.00
				<b>\$5,661.70</b>	<b>\$5,085.67</b>	<b>\$4,271.50</b>

**Section 11 SERVICE SADDLES FOR DUCTILE & AC MAINS - SMITH BLAIR ONLY**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	2" x 1"	Service Saddle	313-00025609-000	\$61.80	\$35.53	\$57.00
2	3" x 1"	Service Saddle	313-00035409-000	\$64.11	\$46.25	\$65.00
3	6" x 1"	Service Saddle	313-00076009-000	\$73.42	\$53.45	\$89.00
4	8" x 1"	Service Saddle	313-00101009-000	\$86.96	\$47.20	\$92.00
5	10" x 1"	Service Saddle	313-00121209-000	\$102.49	\$58.95	\$118.00
6	12" x 1"	Service Saddle	313-00143209-000	\$118.20	\$74.41	\$142.00
7	16" x 1"	Service Saddle	313-00188809-000	\$173.86	\$157.21	\$284.00
8	6" x 1-1/2"	Service Saddle	313-00076013-000	\$86.19	\$41.99	\$101.00
9	6" x 2"	Service Saddle	313-00076015-000	\$86.20	\$70.72	\$101.00
10	8" x 1-1/2"	Service Saddle	313-00101013-000	\$101.29	\$78.13	\$107.00
11	8" x 2"	Service Saddle	313-00101015-000	\$101.29	\$73.87	\$107.00
12	10" x 1-1/2"	Service Saddle	313-00121213-000	\$115.89	\$83.64	\$135.00
13	10" x 2"	Service Saddle	313-00121215-000	\$115.89	\$76.17	\$135.00
14	12" x 1-1/2"	Service Saddle	313-00143213-000	\$132.80	\$92.79	\$158.00
15	12" x 2"	Service Saddle	313-00143215-000	\$132.80	\$116.81	\$158.00
16	16" x 1-1/2"	Service Saddle	313-00188813-000	\$173.85	\$176.61	\$304.00
17	16" x 2"	Service Saddle	313-00188815-000	\$173.85	\$225.83	\$304.00
				<b>\$1,900.89</b>	<b>\$1,509.56</b>	<b>\$2,457.00</b>

**Section 12 SERVICE BOXES - NORTH AMERICAN**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	5.5' - 6.5'	Erie Plub Service Box		\$72.17	\$42.63	\$58.00
2	5.5' - 6.5'	Erie Plub Service Box	w/large base	\$100.46	\$62.25	\$86.00
3	30"	Stainless Steel Rod, Erie Box		\$35.87	\$38.69	\$31.00
4	36"	Stainless Steel Rod, Erie Box	large service	\$39.28	\$42.49	\$32.00
5	3"	Erie Extension		\$15.18	\$18.78	\$9.00
6	6"	Erie Extension		\$17.08	\$18.93	\$10.50
7	9"	Erie Extension		\$18.97	\$19.58	\$12.00
8	12"	Erie Extension		\$20.87	\$22.94	\$14.00
9	18"	Erie Extension		\$20.48	\$29.24	\$18.00
				<b>\$340.36</b>	<b>\$295.53</b>	<b>\$270.50</b>

**Section 13 METER PITS - MUELLER**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	5/8" x 3/4"	Thermal Coil Meter Pit	203AS1860FABLN60	\$1,007.51	\$1,070.48	\$797.00
2	18" x 4"	4" Insulation Pad	790153	\$58.48	\$59.01	\$48.00
3	18"	Center Lock Lid	780069	\$119.06	\$114.23	\$115.00
4	1"	Thermal Coil Meter Pit	330AS1860FABLN	\$1,122.48	\$1,132.93	\$988.00
				<b>\$2,307.53</b>	<b>\$2,376.65</b>	<b>\$1,948.00</b>

**Section 14 POLY PIPE - ENDO POLY PE-3408/PE-4710 - PRICE PER FOOT**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	1"	Poly Tubing 100',200',300'	BLACK 200 PSI CTS	\$0.54	\$0.52	\$0.75

2	1-1/2"	Poly Tubing 100',300'	BLACK 200 PSI CTS	\$1.18	\$1.09	\$1.25
3	2"	Poly Tubing 100',200',300',500'	BLACK 200 PSI CTS	\$1.84	\$1.81	\$2.25
4	12GA	Tracing Wire	500' ROLLS	\$106.49	\$115.00	\$110.00
				<b>\$110.05</b>	<b>\$118.42</b>	<b>\$114.25</b>

**Section 15 THREADED LEAD-FREE BRASS NIPPLES - DOMESTIC OR EQUIVALENT**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	3/4" x CLOSE	Brass Nipple		\$2.95	\$2.55	\$3.00
2	3/4" x 2"	Brass Nipple		\$3.28	\$3.39	\$3.75
3	3/4" x 3"	Brass Nipple		\$4.38	\$4.53	\$5.00
4	3/4" x 4"	Brass Nipple		\$5.62	\$3.60	\$6.50
5	3/4 x 6"	Brass Nipple		\$8.19	\$8.49	\$10.00
6	3/4 x 12"	Brass Nipple		\$14.65	\$10.09	\$19.00
7	1" x CLOSE	Brass Nipple		\$3.83	\$3.97	\$4.50
8	1" x 3"	Brass Nipple		\$6.24	\$6.47	\$7.25
9	1" x 4"	Brass Nipple		\$8.13	\$8.28	\$10.00
10	1" x 5"	Brass Nipple		\$10.02	\$10.40	\$12.50
11	1" x 6"	Brass Nipple		\$11.97	\$12.41	\$14.50
12	1" x 8"	Brass Nipple		\$14.88	\$9.64	\$19.50
13	1" x 12"	Brass Nipple		\$21.97	\$22.79	\$29.00
14	1-1/2" x CLOSE	Brass Nipple		\$7.39	\$7.65	\$9.00
15	1-1/2" x 3"	Brass Nipple		\$10.94	\$10.15	\$13.00
16	1-1/2" x 4"	Brass Nipple		\$13.29	\$13.64	\$17.00
17	1-1/2" x 5"	Brass Nipple		\$16.53	\$18.21	\$21.50
18	1-1/2" x 6"	Brass Nipple		\$19.64	\$13.55	\$25.50
19	1-1/2" x 8"	Brass Nipple		\$26.08	\$39.07	
20	1-1/2" x 12"	Brass Nipple		\$38.53	\$41.25	\$50.50
21	2" x CLOSE	Brass Nipple		\$11.24	\$11.65	\$13.50
22	2" x 3"	Brass Nipple		\$13.08	\$13.61	\$17.00
23	2" x 4"	Brass Nipple		\$17.10	\$17.75	\$22.00
24	2" x 5"	Brass Nipple		\$21.12	\$21.93	\$28.00
25	2" x 6"	Brass Nipple		\$25.25	\$26.20	\$33.00
26	2" x 8"	Brass Nipple		\$33.68	\$34.93	\$44.00
27	2" x 12"	Brass Nipple		\$49.75	\$54.84	\$65.00
				<b>\$419.73</b>	<b>\$431.04</b>	<b>\$503.50</b>

**Section 16 THREADED LEAD-FREE BRASS FITTINGS - DOMESTIC OR EQUIVALENT**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	3/4"	Brass 90's Street		\$6.14	\$6.61	\$14.00
2	3/4"	Brass 90		\$4.72	\$5.44	\$19.00
3	1"	Brass 90'S		\$7.28	\$8.40	\$23.00
4	1-1/2"	Brass 90'S		\$20.12	\$24.09	\$45.00
5	1-3/4"	Brass 90's		\$8.94	\$9.61	\$18.20
6	2"	Brass 90'S		\$23.53	\$27.14	\$73.00
7	1"	Brass 90'S Street		\$10.17	\$11.73	\$31.00
8	1-1/2"	Brass 90'S Street		\$20.88	\$24.09	\$63.00
9	2"	Brass 90'S Street		\$34.38	\$36.67	\$106.00
10	1"	Brass Tee		\$10.30	\$11.89	\$31.00
11	1-1/2"	Brass Tee		\$19.88	\$22.93	\$61.00
12	2"	Brass Tee		\$32.58	\$37.59	\$101.00
13	1-1/2" x 1"	Brass Tee		\$25.60	\$29.54	\$61.00
14	2" x 1"	Brass Tee		\$41.53	\$47.91	\$101.00
15	2" x 1-1/2"	Brass Tee		\$42.49	\$33.53	\$101.00

16	1"	Brass Couplings	\$5.80	\$6.63	\$21.00
17	1-1/2"	Brass Couplings	\$12.32	\$7.93	\$45.00
18	2"	Brass Couplings	\$20.28	\$23.39	\$75.00
19	1-1/2" x 1"	Brass Couplings	\$15.57	\$17.94	\$60.00
20	2" x 1"	Brass Couplings	\$26.82	\$30.96	\$35.00
21	2" x 1-1/2"	Brass Couplings	\$23.82	\$27.47	\$31.00
22	2" x 1"	Brass Bushings	\$14.53	\$17.11	\$38.00
23	2" x 1-1/2"	Brass Bushings	\$12.32	\$14.21	\$38.00
24	1-1/2" x 1"	Brass Bushings	\$8.32	\$9.59	\$31.00
25	1" x 3/4"	Brass Bushings	\$3.82	\$4.41	\$12.00
26	1"	Brass Cap	\$5.05	\$5.84	\$15.00
27	1-1/2"	Brass Cap	\$10.27	\$11.86	\$36.00
28	2"	Brass Cap	\$16.97	\$19.20	\$63.00
29	1"	Solid Brass Plug	\$6.67	\$4.20	\$15.00
30	1-1/2"	Solid Brass Plug	\$15.83	\$5.76	\$38.00
31	2"	Solid Brass Plug	\$20.08	\$12.57	\$56.00
32	3/4"	Galv Clamp Style Male Adapter	\$23.65	\$19.40	\$8.00
33	1"	Galv Clamp Style Male Adapter	\$23.92	\$19.75	\$12.00
34	1-1/2"	Galv Clamp Style Male Adapter	\$41.94	\$28.57	\$16.00
35	2"	Galv Clamp Style Male Adapter	\$43.44	\$31.43	\$25.00
36	1" x 3/4"	Ford Service Fitting	\$29.98	\$24.50	
			<b>\$689.94</b>	<b>\$679.89</b>	<b>\$1,518.20</b>

**Section 17 BALL VALVES 600WOG - DOMESTIC OR EQUIVALENT**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	3/4"	IPS Ball Valves		\$32.85	\$52.94	\$24.00
2	1"	IPS Ball Valves		\$41.69	\$58.82	\$35.00
3	1-1/2"	IPS Ball Valves		\$124.07	\$173.60	\$87.00
4	1-3/4"	IPS Ball Valves			\$0.01	
5	2"	IPS Ball Valves		\$187.32	\$258.82	\$122.00
				<b>\$385.93</b>	<b>\$544.19</b>	<b>\$268.00</b>

**Section 18 MISCELLANEOUS**

Item#	Size	Description	Style	Cape Cod Winwater	Ferguson	EJ Prescott
1	EA	Hydra Plug Cement Register 50lb Pail		\$42.25	\$71.53	\$47.00
2	EA	Water-Based Marking Spray Paint		\$4.40	\$5.00	\$5.50
				<b>\$46.65</b>	<b>\$76.53</b>	<b>\$52.50</b>

\$184,382.62	\$187,469.31	\$188,135.45
Cape Cod Winwater	Ferguson	EJ Prescott

## X. CORRESPONDENCE

**OFFICE OF THE TOWN ADMINISTRATOR**

Phone (508) 430-7513

Fax (508) 432-5039

Joseph F. Powers, *Town Administrator*  
Meggan Eldredge, *Assistant Town Administrator*

732 MAIN STREET, HARWICH, MA 02645



**MEMORANDUM**

**To:** All Department Heads, Committees, Commissions and Boards  
**From:** Carol Campos  
**RE:** **Submission of 2023 Annual Reports**

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Blind copied to the Select Board

Hello all,

The deadline for submitting reports for the 2023 Annual Town Report is:  
**Friday, January 05, 2024.**

Your report must be submitted as a word document using:  
**Microsoft Word, Times New Roman, 12 pt. Font.**

**No reports will be accepted after January 05, 2024, without prior approval.**

Please submit your report to [carol.campos@harwich-ma.gov](mailto:carol.campos@harwich-ma.gov)

Date October 2023  
 PWS No. 4126000

**Monthly Weather Report**  
**Harwich Water Department**

Day	Snow Fall (in.) (Gallons)	Rain Fall (in.)	Temperature High (°F)	Temperature Low (°F)	Temperature AVG (°F)	Weather Comments	Operator
1		0.00	65	56	61		
2		0.00	67	54	61		
3		0.00	70	50	60		
4		0.00	74	58	66		
5		0.00	71	62	66		
6		0.00	69	63	66		
7		0.00	66	63	64		
8		0.00	64	55	60		
9		0.00	63	50	57		
10		0.00	65	49	57		
11		0.00	65	49	57		
12		0.00	66	53	59		
13		0.00	60	54	57		
14		0.00	61	49	55		
15		0.00	58	49	53		
16		0.00	58	49	53		
17		0.00	56	49	53		
18		0.00	60	50	55		
19		0.00	62	50	56		
20		0.00	62	58	60		
21		0.00	61	57	59		
22		0.15	62	53	58		
23		0.16	57	51	54		
24		0.00	61	46	54		
25		0.00	66	57	61		
26		0.00	66	59	63		
27		0.00	72	58	65		
28		0.01	64	50	57		
29		0.00	64	50	57		
30		0.38	60	50	55		
31		0.24	52	43	48		
<b>Total</b>		<b>0.94</b>					
<b>Average</b>		<b>0.03</b>	<b>63.5</b>	<b>53.0</b>			
<b>Max</b>		<b>0.38</b>	<b>74.1</b>	<b>63.0</b>			
<b>Min</b>		<b>0.0</b>	<b>52.0</b>	<b>43.0</b>			

Date October 2022  
 PWS No. 4126000

**Monthly Weather Report**  
**Harwich Water Department**

Day	Snow Fall (in.) (Gallons)	Rain Fall (in.)	Temperature High (°F)	Temperature Low (°F)	Temperature AVG (°F)	Weather Comments	Operator
1		0.06	60	53	57		
2		1.38	60	53	56		
3		0.00	56	53	54		
4		0.00	60	55	57		
5		0.35	63	59	61		
6		0.48	63	54	59		
7		0.01	67	54	60		
8		0.05	60	46	53		
9		0.09	59	39	49		
10		0.00	63	44	53		
11		0.00	62	47	54		
12		0.00	66	50	58		
13		0.00	65	59	62		
14		1.17	65	60	63		
15		0.63	63	54	58		
16		0.03	66	49	58		
17		0.00	63	53	58		
18		1.13	66	56	61		
19		0.00	59	45	52		
20		0.02	59	40	50		
21		0.00	62	47	54		
22		0.00	62	45	54		
23		0.60	59	50	55		
24		0.02	66	59	62		
25		0.32	69	60	65		
26		2.57	69	63	66		
27		0.00	68	54	61		
28		0.00	55	51	53		
29		0.00	59	43	51		
30		0.00	62	39	51		
31		0.00	60	43	51		
<b>Total</b>		<b>8.91</b>					
<b>Average</b>		<b>0.29</b>	<b>62.4</b>	<b>50.9</b>			
<b>Max</b>		<b>2.57</b>	<b>69.1</b>	<b>63.2</b>			
<b>Min</b>		<b>0.0</b>	<b>55.0</b>	<b>39.0</b>			

Month/Year October 2023

PWS No. 4126000

## Monthly Pumpage Report Harwich Water Department

Date	T1				T2				T3		T10	T11		
	Main 1	Main 2	Main 3	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8	Well 9	Pump 10	Pump 11
1	66,555	87,758	79,788	0	89,370	111,320	227,778	176,830	184,486	206,024	174,464	175,872	221,402	192,567
2	100,553	135,977	123,716	0	139,003	173,395	353,783	273,372	284,978	318,694	242,742	240,487	348,077	297,978
3	49,459	65,004	57,493	42,696	61,042	77,180	173,202	178,024	183,260	205,761	261,182	262,894	334,084	286,508
4	96,135	125,961	114,096	120,322	120,204	151,851	336,997	262,037	269,236	301,443	258,959	260,885	325,773	284,964
5	72,372	94,200	86,447	179,674	88,714	111,963	258,788	200,870	206,970	230,053	198,752	200,352	252,185	218,837
6	85,196	109,003	101,245	205,406	104,504	132,261	296,849	230,054	236,779	264,334	232,674	234,594	276,557	250,279
7	62,515	80,189	73,654	153,413	75,492	95,119	220,905	171,743	175,391	194,614	171,823	173,313	215,063	186,607
8	60,900	82,384	72,877	158,758	76,464	96,397	229,232	177,859	181,435	201,199	168,329	169,860	233,206	193,139
9	79,622	103,691	91,410	196,032	98,071	124,913	282,603	218,999	225,255	251,974	217,406	219,396	273,595	238,781
10	58,598	72,942	63,233	137,850	68,233	87,343	199,463	163,231	167,660	185,727	170,762	172,303	181,575	168,027
11	75,836	100,550	88,708	190,218	94,356	120,634	274,852	229,643	234,416	261,897	196,665	198,513	263,581	231,068
12	60,295	80,586	71,085	154,720	74,488	94,834	223,413	173,240	176,342	195,700	166,138	167,622	224,423	188,104
13	65,721	82,082	72,890	154,104	77,701	99,529	222,601	173,047	179,440	200,325	199,395	204,323	241,185	188,501
14	48,227	62,810	55,235	118,935	58,590	75,206	171,940	133,825	137,216	151,765	131,926	134,475	173,279	145,019
15	55,213	75,549	66,211	144,586	70,276	90,149	209,134	161,546	165,005	182,867	130,741	127,779	207,601	175,292
16	69,230	90,202	77,934	180,086	83,833	108,197	247,587	191,826	200,160	220,831	189,219	191,143	240,250	209,640
17	56,383	73,551	63,944	154,632	67,366	87,601	202,734	157,493	158,994	174,873	154,019	155,606	196,687	169,761
18	70,686	92,068	80,589	192,003	85,763	110,501	252,033	195,371	200,867	222,572	193,949	195,994	243,122	212,648
19	31,109	40,589	35,719	85,124	37,483	48,018	111,428	86,585	89,277	97,949	85,193	86,104	108,386	94,079
20	60,831	79,321	70,537	166,910	72,780	92,679	220,209	171,084	173,915	191,530	167,911	169,578	209,243	185,633
21	31,255	40,889	36,668	86,313	37,728	48,118	113,245	87,868	91,273	99,989	104,196	109,587	109,820	95,753
22	53,190	69,358	60,352	145,665	62,564	79,131	194,393	166,955	151,816	167,027	130,261	127,406	139,758	162,748
23	61,362	80,090	68,263	168,298	73,840	94,425	221,009	171,649	175,023	193,453	169,025	170,867	249,771	186,136
24	28,556	37,227	32,567	78,140	33,963	43,634	102,739	79,925	81,285	89,087	78,400	79,260	99,268	86,455
25	69,670	88,965	74,463	171,255	75,318	96,224	225,862	186,892	189,941	215,521	165,062	167,487	227,014	199,350
26	24,709	35,442	30,106	127,040	41,595	51,422	167,873	82,533	79,744	93,033	111,489	112,642	136,256	121,536
27	46,197	65,829	55,355	129,123	58,297	73,496	167,481	129,746	135,348	154,904	91,509	89,709	127,575	150,258
28	60,235	82,080	69,043	158,679	73,049	92,639	206,282	160,420	168,996	192,106	0	0	0	0
29	71,240	105,514	88,000	208,058	92,812	116,686	270,751	208,827	214,978	247,949	0	0	0	0
30	31,952	45,575	36,844	89,689	39,796	50,343	116,719	90,648	93,732	107,624	84,016	86,538	88,083	89,773
31	29,826	42,436	32,691	83,805	36,961	46,307	108,573	84,497	87,283	100,287	83,086	84,144	105,558	91,913
<b>Pumps :</b>	<b>1,833,628</b>	<b>2,427,822</b>	<b>2,131,162</b>	<b>4,181,535</b>	<b>2,269,659</b>	<b>2,881,515</b>	<b>6,610,455</b>	<b>5,176,638</b>	<b>5,300,497</b>	<b>5,921,109</b>	<b>4,729,293</b>	<b>4,768,733</b>	<b>6,052,377</b>	<b>5,301,354</b>
<b>MIN :</b>	<b>24,709</b>	<b>35,442</b>	<b>30,106</b>	<b>0</b>	<b>33,963</b>	<b>43,634</b>	<b>102,739</b>	<b>79,925</b>	<b>79,744</b>	<b>89,087</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MAX :</b>	<b>100,553</b>	<b>135,977</b>	<b>123,716</b>	<b>208,058</b>	<b>139,003</b>	<b>173,395</b>	<b>353,783</b>	<b>273,372</b>	<b>284,978</b>	<b>318,694</b>	<b>261,182</b>	<b>262,894</b>	<b>348,077</b>	<b>297,978</b>
<b>STATIONS :</b>	<b>22,335,776</b>				<b>16,398,244</b>				<b>9,498,026</b>		<b>6,052,377</b>	<b>5,301,354</b>		
<b>TOTAL:</b>	<b>59,585,777</b>													



Month/Year October 2022  
PWS No. 4126000

## Monthly Pumpage Report Harwich Water Department

Date	T1							T2			T3		T10	T11
	Main 1	Main 2	Main 3	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8	Well 9	Pump 10	Pump 11
1	41,201	36,626	45,724	75,275	52,967	63,494	0	93,849	99,031	0	95,386	94,406	117,697	107,281
2	70,223	62,318	77,414	127,267	89,974	107,349	0	161,020	169,652	0	162,762	161,252	201,798	171,020
3	91,995	81,172	101,019	169,814	118,547	133,428	0	143,215	150,838	0	139,660	138,006	153,436	144,363
4	67,744	60,147	74,538	123,282	86,721	103,618	0	154,472	162,720	0	155,775	154,284	193,345	151,976
5	83,372	73,912	92,565	155,964	56,609	129,881	0	186,594	196,669	0	189,753	187,973	234,169	204,462
6	37,253	32,874	41,383	68,240	47,746	57,366	2	84,865	89,345	0	85,713	84,960	106,023	92,392
7	73,492	65,313	81,602	134,575	94,341	113,001	0	167,154	175,966	0	169,221	167,700	234,789	182,604
8	67,856	60,344	74,345	123,351	86,781	103,957	0	155,338	163,653	0	156,648	155,321	192,397	168,846
9	77,352	68,563	84,069	141,458	98,707	119,037	0	175,723	185,176	0	177,809	176,146	219,970	192,162
10	74,676	66,322	81,418	136,364	95,423	114,799	0	170,077	179,213	0	172,202	170,321	212,173	185,786
11	42,129	37,343	46,562	77,531	54,048	65,207	0	94,885	100,041	0	96,254	95,279	147,962	103,690
12	78,852	70,106	87,393	144,143	100,880	121,305	0	179,680	189,294	0	182,038	180,247	224,788	196,508
13	73,563	65,328	81,778	134,279	94,471	113,219	0	168,378	177,414	0	170,653	169,112	211,079	184,214
14	45,249	40,077	50,461	83,175	58,166	69,938	0	102,400	108,001	0	104,179	103,265	128,445	112,433
15	70,095	62,173	77,744	128,520	90,199	108,277	0	159,951	168,609	0	161,723	160,462	200,516	174,522
16	43,938	38,988	48,880	81,153	56,677	68,183	0	99,053	104,442	0	100,869	99,976	124,065	108,592
17	74,523	66,395	82,637	136,660	96,015	115,237	0	169,933	179,011	0	171,888	170,482	212,615	185,576
18	39,779	35,518	44,633	73,346	51,429	61,806	0	90,604	95,534	0	92,001	91,210	113,627	99,143
19	68,667	58,461	71,012	120,420	84,647	101,427	0	149,309	157,272	0	172,606	171,206	177,354	186,045
20	43,100	40,941	50,582	84,351	58,146	70,937	0	104,911	110,404	0	84,649	83,851	140,341	91,148
21	77,618	69,095	84,990	142,363	99,770	119,769	0	176,462	185,835	0	178,752	176,926	220,894	192,755
22	39,709	35,349	44,291	72,807	51,142	61,420	0	90,304	95,154	0	178,752	176,926	112,996	192,755
23	60,047	53,522	66,117	109,235	76,897	92,038	0	137,885	145,244	0	162,010	160,725	156,062	137,807
24	41,888	37,571	47,248	77,777	54,370	65,462	0	95,838	101,154	0	97,336	96,361	120,064	104,885
25	42,514	37,874	47,942	78,382	55,297	66,055	0	96,729	102,013	0	98,338	97,395	121,057	106,084
26	61,244	52,033	65,243	106,568	75,334	89,930	0	134,643	141,659	0	160,601	159,402	159,109	173,138
27	39,280	37,509	47,126	76,403	54,026	64,612	0	97,440	102,637	0	73,648	73,097	130,607	79,273
28	44,206	39,449	48,535	81,459	57,186	68,639	0	100,493	105,846	0	102,289	101,420	125,890	110,257
29	68,818	61,793	74,695	126,034	88,854	106,340	0	159,298	167,816	0	160,803	159,620	195,773	173,412
30	50,508	45,189	55,474	91,624	64,714	77,508	0	117,082	123,268	0	109,882	108,933	139,602	119,107
31	20,877	18,604	23,040	38,455	26,832	32,365	0	47,420	49,919	0	48,224	47,727	59,283	52,045
Pumps :	1,811,769	1,610,910	2,000,459	3,320,277	2,276,915	2,785,602	2	4,065,005	4,282,826	0	4,212,424	4,173,991	5,087,926	4,484,281
MIN :	20,877	18,604	23,040	38,455	26,832	32,365	0	47,420	49,919	0	48,224	47,727	59,283	52,045
MAX :	91,995	81,172	101,019	169,814	118,547	133,428	2	186,594	196,669	0	189,753	187,973	234,789	204,462
STATIONS :	<b>13,805,933</b>							<b>8,347,831</b>			<b>8,386,415</b>		<b>5,087,926</b>	<b>4,484,281</b>
TOTAL:	<b>40,112,386</b>													