

## ADDENDUM NO. 1

April 3, 2024

**RE: Facility One Pump Station and Force Main Improvements**

**FROM:** Tina Perkins, Project Administrator  
Toledo-Lucas County Port Authority  
One Maritime Plaza  
Toledo, Ohio 43604-1853  
Website: toledoport.org  
P: (419)243-8251

**TO:** Plan Holders

This Addendum forms a part of the Contract Documents and modifies the original Procurement Documents, as noted below. **Acknowledge receipt of this Addendum in the space provided on the Form Proposal within Bid Express.** Failure to do so may subject Bidder to disqualification.

### BID DOCUMENT CLARIFICATION

1. The Bid Opening remains as scheduled for Wednesday, April 10, 2024, at 11:00 am through the Bid Express website.

#### TIME AND PLACE FOR RECEIPT OF PROPOSALS

- Sealed bids will be received through Bid Express, an online electronic bidding system until Wednesday, April 10, 2024, at 11:00 am, at which time bids will be opened through the Bid Express website.
2. Pre-Bid Meeting
    - Agenda – SEE ATTACHED
    - Sign-in sheet – SEE ATTACHED
  3. Summary of Pump Operation Cycles During Study Period
    - Appendix D – SEE ATTACHED

4. Monthly Water Usage
  - Appendix E – SEE ATTACHED
5. Map of Upstream Sanitary Manholes – SEE ATTACHED

### **Pre-Bid Questions and Answers:**

1. **Q:** Who is responsible for paying for the City of Toledo inspection?

**A:** The City of Toledo inspection will be paid for by the Toledo-Lucas County Port Authority.

2. **Q:** If any work is required inside the existing fence and the existing fence needs to be removed, what are the requirements for temporary fencing during construction?

**A:** Contractors shall coordinate with Midwest Terminals prior to removal of any fence.

3. **Q:** Are TWIC cards required for this project?

**A:** Any work performed outside the fence does not require a special security clearance or TWIC card. Coordination with Midwest Terminals is required if access inside the fence is required.

4. **Q:** Does this project require railroad insurance?

**A:** No, general liability insurance through private insurance agency is acceptable.

5. **Q:** Do you have average flow rates?

**A:** The Port Authority does not have extensive, detailed records of pump operations at the Facility 1 pump station. There are no flow meters or pump run hour meters at the pump station. The Port Authority reported to the Engineer that the pump station averages approximately 5,706 gallons per day throughout the year. Below is a summary of the information we do have on flow rates.

The Engineer was given pumping records showing the start and stop times of both pump 1 and pump 2 for the time period of February 18 to March 22, 2022. The data for February 18 was incomplete, however. The attached Appendix D contains a summary of pump operations records at Facility 1 for the Study Period

February 19-March 22, 2022. The Study Period was in the late winter and early spring, a time of year with generally higher amounts of precipitation and high ground water tables. The operations personnel for the Port Authority confirmed that the pump station does see increased flow during periods of wet weather. The average daily flow during the study period was 6,632 gpd, and the flows ranged from 2,855 gpd to 10,469 gpd, based on pump run time. The most precipitation on any given day was 0.54 inches on Saturday March 19. Precipitation data is based on rainfall records measured at the Toledo Express Airport.

The Engineer looked at each of the pump start / stop cycles to try to determine how long the pumps ran on average during the study period and to look at the time it took the wet well to fill the 2 feet between the pump stop and the next pump start. During this study period there was an average of 7.0 complete drawdown cycles per day. It looks like the wet well volume being pumped during each cycle is 951 gallons, based on a 2-foot drawdown and a wet well diameter of 9 feet.

The average time between pump starts during the study period was 3 hours 25 minutes 43 seconds and the average run time was 5 minutes 41 seconds. This suggests an average incoming flow rate of 4.8 gpm and an average pump rate of 171.9 gallons per minute.

The maximum time between pump starts during the study period was 7 hours 40 minutes 23 seconds, and the run time during this period was 5 minutes 43 seconds. This suggests an incoming flow rate of 2.1 gpm and a pump rate of 168.4 gallons per minute.

The minimum time between pump starts during the study period was 21 minutes 13 seconds and the run time at this cycle was 7 minutes 52 seconds. This suggests a peak incoming flow rate of 71.2 gpm during the study period and an average pump rate of 192.1 gallons per minute at that time. This maximum incoming flow rate occurred between 5:05 AM to 5:26 AM on Sunday March 6, 2022, and there was 0.19 inches of rain that day. No business operations were expected at that time. We will assume that all the flow in the system at that time was due to inflow and infiltration.

The businesses at Facility 1 typically operate five days a week. However, port operations vary depending on when shipments need to be loaded and unloaded, and there are times where work is done on weekends.

The attached Appendix E contains historic water use for Midwest Terminals and other Facility 1 Properties for January 2020 through December 2021. Based on

water billing and adjustments, it looks like the average monthly water use that would end up in the sanitary sewer is 36.7 CCF, or the equivalent of approximately 903 gallons per day. This suggests an average inflow/infiltration rate of 5,706 gpd – 903 gpd = 4,803 gallons per day The highest monthly water use was October 2020 with 73 CCF, or the equivalent of approximately 1,761 gallons per day.

6. **Q:** Is the wet well active and is it on the City GIS?

**A:** The wet well is active. The wet well and private sanitary sewers are not shown on the City GIS.

7. **Q:** Is the upstream sanitary manhole for the 12” sewer to the north on the other side of the track?

**A:** The field survey located sanitary manhole #9232 to be approximately 600’ north of the existing wet well. It is located approximately 7’ east of the centerline of the railroad tracks. - See attachment showing location of upstream sanitary manholes.

8. **Q:** Is access outside the fence allowed without notification?

**A:** Yes

9. **Q:** What is the completion date for this project?

**A:** The Toledo-Lucas County Port Authority intends and requires the project to be completed within three hundred sixty-five (365) calendar days from the Notice to Proceed.

10. **Q:** What is the process for submitting substitutions for specified materials or equipment, such as pump stations?

**A:** Bidders desiring to propose substitutions for the “Standards” specified shall list and include the amount to be added to or deducted from their bid on the Substitution Sheet within Bid Express. If Bidders wish to provide supporting documentation for their substitution an additional upload area has been established in the Required Documents section of Bid Express.

**END OF ADDENDUM NO. 1**

## **PRE-BID MEETING AGENDA**

Project Location: **Facility One, 3518 St. Lawrence Drive., Toledo, OH 43605**

Project Name **Facility One Pump Station and Force Main Improvements**

*The following items are contained in the Bid Express Documents:*

1. **Introductions**
2. **Scope of Work:** The scope of work is identified in the Bid Documents.
  - a. **Number of Alternates:** There are two Alternates on this project.
    - i. Bid Alternate 1
      1. Abandon Existing 10" Force Main on Segment 3 by Filling with LSM
    - ii. Bid Alternate 2
      1. Abandon Existing 10" Force Main on Segment 5 by Filling with LSM
3. **Project Duration:** The Toledo-Lucas County Port Authority intends and requires that the project be completed within three hundred sixty-five (365) calendar days from the date of the Notice to Proceed.
4. **Engineer's Estimate:** The Engineer's Estimate for both the base bid and alternated is approximately \$1,100,000.00.
5. **Bid Express:** All construction bidding processes for The Port Authority have transitioned to Bid Express ® service at [www.bidexpress.com](http://www.bidexpress.com).

The plans and bid proposal documents are available through Bid Express at:  
<https://www.bidexpress.com/businesses/66075/home>.

Contractors, sub-contractors, and suppliers can view and download information free of charge. Submission of a bid requires a payment to Bid Express per bid, or a monthly subscription for unlimited bidding. Bidders new to the electronic bidding system must first register on the Bid Express website ([www.bidexpress.com](http://www.bidexpress.com)). Registration is Free. It can take up to five (5) business days to process a Digital ID and it is highly recommended that a Digital ID be enabled 48 hours in advance of submitting an electronic bid. Bidders must plan accordingly. For additional guidance regarding the electronic bidding, bidders must contact Bid Express directly. Each bidder shall be responsible for submitting its electronic bid before the bid deadline.

6. **Bid Date:** The Project bid date is Wednesday, April 10, 2024, at 11:00 am, at which time bids will be opened through the Bid Express website.
7. **Bid Submission:** Electronic Proposals must be submitted on the form(s) included in Bid Express and shall be accompanied by a scanned copy of the certified check or an acceptable Proposal Bond with satisfactory surety specifying the Toledo-Lucas County Port Authority as the obligee, in the sum of not less than ten percent (10%) of the total proposal amount. Original cashiers check or certified check is required to be submitted to the Port Authority and postmarked the same day as bid.
  - a. All Items on the Required Documents List indicated within Bid Express must be completed and included with the bid, or the bid will be considered non-responsive.
  - b. Substitutions: Bidders desiring to propose substitutions for the “Standards” specified shall list and include the amount to be added to or deducted from their bid on the Substitution Sheet within Bid Express.
8. **Bid Questions:** All bid questions shall be submitted through the Bid Express service by Wednesday, April 3, 2024, at 11:00 am, local time. Questions submitted after the deadline will not receive a response. All questions and answers will be visible for all bidders. If you have multiple questions, please ask them separately. If an Addendum is necessary, it will be issued prior to the Bid Date.
9. **Bonds:** Contractor is required to provide all bonds listed in the Bid Documents.
10. **DBE/MBE/WBE Requirement:** The DBE/MBE/WBE goal for the project is 15%. Contractors are expected to put forth a good faith effort to meet this goal. The goal and assurance form along with the good faith effort affidavit is in the Required Documents list in Bid Express. All bidders are required to complete, notarize, and upload a scanned copy of these documents with their bid.
11. **Tax Exemption:** This project is tax exempt, and the successful bidder will receive a tax-exempt certificate with the contract.
12. **Wage Rates:** This project requires the State of Ohio Prevailing Wage Rates. All hourly wages paid for each trade must be in accordance with the rates shown in the Bid Express Documents.

## Facility One Pump Station and Force Main Improvements

Pre-Bid Meeting Sign-In - Thursday, March 28, 2024 at 1:30 pm

Name:	Company Name:	Number:	Email:
Brian Perz	TLCPA	419-243-8251	<a href="mailto:Bperz@Toledoport.org">Bperz@Toledoport.org</a>
Tina Perkins	TLCPA	419-243-8251	<a href="mailto:Tperkins@Toledoport.org">Tperkins@Toledoport.org</a>
Abdullah Bin Tamam	TLCPA	419-243-8251	<a href="mailto:Abintamam@toledoport.org">Abintamam@toledoport.org</a>
Tom Stuckey	TLCPA	419-243-8251	<a href="mailto:Tstuckey@toledoport.org">Tstuckey@toledoport.org</a>
Steve Young	Geo. Grand Co.	419-261-5517	<a href="mailto:SYyoung@geogradeco.com">SYyoung@geogradeco.com</a>
Larry Fields	Geo Grade Co	419-261-1240	<a href="mailto:LaFields@geogradeco.com">LaFields@geogradeco.com</a>
Steve Darmotel	TD Engineering, LLC	419-265-2400	<a href="mailto:Steve.Darmotel@TDEngineeringLLC.com">Steve.Darmotel@TDEngineeringLLC.com</a>
Mare Nagel	Vernon Nagel	419-592-3861	<a href="mailto:estimates@nagelinc.com">estimates@nagelinc.com</a>
Carl Wotter	EGG	262-298-3769	<a href="mailto:Carl.wotter@eggfludgcp.com">Carl.wotter@eggfludgcp.com</a>
Jed Lindsay	Rain For Rent	419-277-9618	<a href="mailto:Hinsley@rainforrent.com">Hinsley@rainforrent.com</a>
MARK HALL	MWT	419-787-7173	<a href="mailto:mark.hall@mwti.com">mark.hall@mwti.com</a>
JAD SANDS BERC	SANDS BERC	419-466-0221	<a href="mailto:jads@sandsberc.com">jads@sandsberc.com</a>
Demetrius Guzman	Ed Kelly & Sons	419-277-6111	<a href="mailto:dguzman@edkellysons.com">dguzman@edkellysons.com</a>

**Toledo Port Authority Pump Station  
Appendix D - Summary of Pump Operation Cycles During Study Period  
5/10/2022**

Pump Sta Wet Well Diam      9 feet  
Pump On Level                    7 feet  
Pump off Level                  5 feet  
Tank Volume (per foot)        63.62 Cubic feet  
Tank Volume (per foot)        475.86 Gallons  
Tank Volume (per run)         951.71 Gallons

Date	Day	Precipitation (Inches)	Cycles when Both Pumps Ran at			Avg Run Time Pump 1	Avg Run Time Pump 2	Total Starts	Total Run Time Minutes	Average Pump Run Time	Estimated Station GPM	Estimated Total Gal Pumped	Estimated Sewage Flow (gal)	Estimated Inflow and Infiltration (Gallons)
			Pump 1 Starts	Pump 2 Starts	Same Time									
2/16/2022	Wednesday	0	No Measurements Taken											
2/17/2022	Thursday	0.23	No Measurements Taken											
2/18/2022	Friday	0.89	8	0	0	0:48:34	06:04.3	8	0:48:34	48.8	06:04.3	162.1	7,614	
2/19/2022	Saturday	0	5	4	4	0:31:33	0:25:40	5	0:31:33	31.5	06:18.6	154.1	4,759	150
2/20/2022	Sunday	0	10	10	10	1:03:32	1:03:32	10	1:03:32	63.5	06:21.2	156.4	9,517	150
2/21/2022	Monday	0	10	10	10	0:58:07	0:58:05	10	0:58:07	58.1	05:48.7	170.4	9,517	1,420
2/22/2022	Tuesday	0.06	11	10	10	1:02:47	0:57:13	11	1:02:47	62.8	05:42.5	174.0	10,469	1,420
2/23/2022	Wednesday	0.17	9	9	9	0:50:22	0:50:10	9	0:50:22	50.4	05:35.8	176.0	8,565	1,420
2/24/2022	Thursday	0	8	8	8	0:45:33	0:45:20	8	0:45:33	45.55	05:41.6	172.4	7,614	1,420
2/25/2022	Friday	0.13	7	7	7	0:37:08	0:37:10	7	0:37:10	37.2	05:18.6	183.9	6,662	1,420
2/26/2022	Saturday	0	4	4	4	0:20:24	0:20:33	4	0:20:33	20.55	05:08.3	187.9	3,807	150
2/27/2022	Sunday	0	5	5	5	0:26:49	0:26:49	5	0:26:49	26.8	05:21.8	180.8	4,759	150
2/28/2022	Monday	0	7	7	7	0:40:07	0:40:06	7	0:40:07	40.1	05:43.9	170.7	6,662	1,420
3/1/2022	Tuesday	0	8	8	8	0:42:39	0:42:26	8	0:42:39	42.7	05:19.9	183.8	7,614	1,420
3/2/2022	Wednesday	0	6	6	6	0:33:18	0:33:33	6	0:33:33	33.55	05:35.5	174.2	5,710	1,420
3/3/2022	Thursday	0.06	8	8	8	0:45:16	0:45:04	8	0:45:16	45.3	05:39.5	173.5	7,614	1,420
3/4/2022	Friday	0	6	6	6	0:32:28	0:32:32	6	0:32:32	32.5	05:25.3	179.5	5,710	1,420
3/5/2022	Saturday	0	4	4	4	0:20:58	0:20:58	4	0:20:58	21	05:14.5	184.2	3,807	150
3/6/2022	Sunday	0.19	8	8	8	0:50:19	0:50:17	8	0:50:19	50.3	06:17.4	156.6	7,614	150
3/7/2022	Monday	0.26	11	11	11	1:07:19	1:07:18	11	1:07:19	67.3	06:07.2	162.8	10,469	1,420
3/8/2022	Tuesday	0.06	8	8	8	0:43:18	0:43:12	8	0:43:18	43.3	05:24.7	181.1	7,614	1,420
3/9/2022	Wednesday	0	7	7	7	0:37:32	0:37:26	7	0:37:32	37.5	05:21.7	182.1	6,662	1,420
3/10/2022	Thursday	0	7	7	7	0:38:02	0:37:57	7	0:38:02	38	05:26.0	179.8	6,662	1,420
3/11/2022	Friday	0.01	7	7	7	0:39:55	0:39:51	7	0:39:55	39.9	05:42.1	171.5	6,662	1,420
3/12/2022	Saturday	0.04	4	4	4	0:22:15	0:22:05	4	0:22:15	22.25	05:33.8	173.7	3,807	150
3/13/2022	Sunday	0	3	3	3	0:16:10	0:16:10	3	0:16:10	16.2	05:23.3	178.6	2,855	150
3/14/2022	Monday	0	9	9	9	0:50:27	0:50:03	9	0:50:27	50.45	05:36.3	175.7	8,565	1,420
3/15/2022	Tuesday	0	8	8	8	0:43:23	0:43:26	8	0:43:26	43.4	05:25.7	180.6	7,614	1,420
3/16/2022	Wednesday	0	6	6	6	0:32:53	0:32:51	6	0:32:53	32.9	05:28.8	177.6	5,710	1,420
3/17/2022	Thursday	0	7	7	7	0:40:06	0:40:12	7	0:40:12	40.2	05:44.6	170.3	6,662	1,420
3/18/2022	Friday	0	9	9	9	0:52:24	0:52:22	9	0:52:24	52.4	05:49.3	169.4	8,565	1,420
3/19/2022	Saturday	0.54	9	9	9	0:52:45	0:52:37	9	0:52:45	52.75	05:51.7	168.3	8,565	150
3/20/2022	Sunday	0.36	4	4	4	0:22:40	0:22:41	4	0:22:41	22.7	05:40.2	170.5	3,807	150
3/21/2022	Monday	0	5	5	5	0:29:08	0:29:08	5	0:29:08	29.1	05:49.6	166.6	4,759	1,420
3/22/2022	Tuesday	0	4	4	4	0:23:14	0:23:11	4	0:23:14	23.2	05:48.5	166.5	3,807	1,420
3/23/2022	Wednesday	0.4	No Measurements Taken											
3/24/2022	Thursday	0.46	No Measurements Taken											

TOTAL	2/19 to 3/22			2/19 to 3/22		2/19 to 3/22		2/19 to 3/22		2/19/22 to 3/22/22		2/19/22 to 3/22/22	
	2/19 to 3/22	2/19 to 3/22	2/19 to 3/22	Total Cycles	Total Minutes (Minutes)	Average Run Time	Average Flow Rate GPM (A)	Total Gallons	Est. Sewer Gallons	Est. I/I Gallons			
	224	222	222	224	1273.4	5.68	171.9	213,184	32,740	180,444			

7.00 Average Starts per Day

Note: Both pumps ran at the same time on all but 2 cycles.	Total Pumped Average GPD	Sewage Average GPD	Inflow and Infiltration Average GPD
	6,662	1,023	5,639

(A) based on pumping down 951 gallons + add average daily flow

Max Day I/I GPD  
9,367



**Toledo Port Authority - Facility 1  
Appendix E - Monthly Water Usage**

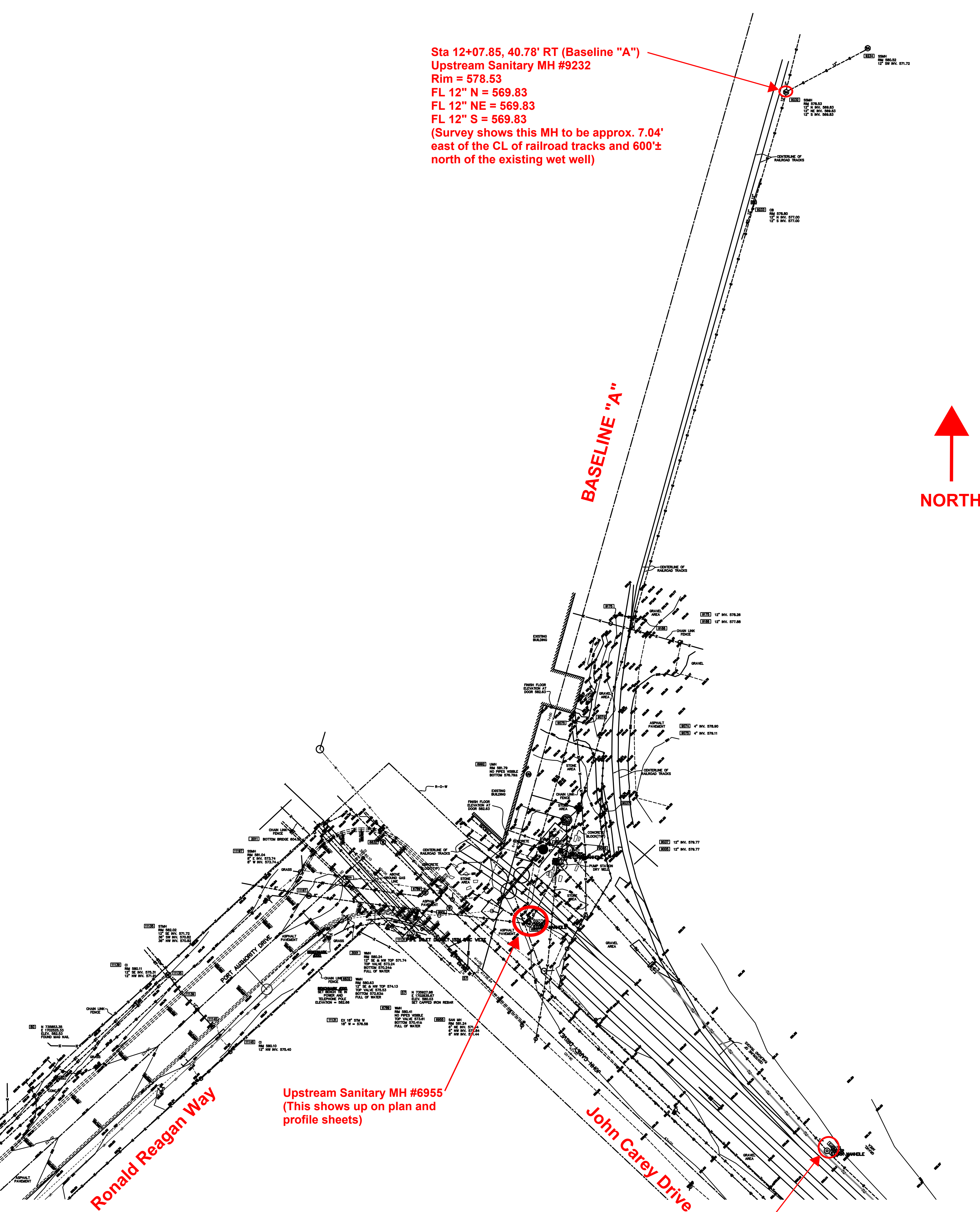
All monthly usage is in CCF (100 cubic feet)

Month	Unadjusted Shelly Liquid	Adjusted for Sewage				8" Fire Line Charge Only			Stormwater Only			6" Fire Line Charge Only		Sum of Water Use (CCF)
		Shelly Liquid	201 JQC	255 JQC	660 GH	3270 St. Lawrence	3319 St. Lawrence	3325 St. Lawrence	3445 St. Lawrence	3518 St. Lawrence	3611 St. Lawrence			
Dec 2021	23	9	0	2	3	0	0	2	no data	1			not complete	
Nov 2021	35	9	0	3	3	0	0	2	no data	1			not complete	
Oct 2021	56	9	0	5	3	0	0	3	no data	31			not complete	
Sep 2021	180	9	0	3	4	0	0	1	18	1			36	
Aug 2021	308	9	0	2	4	0	0	1	15	1			32	
Jul 2021	233	9	0	3	3	0	0	2	16	28			61	
Jun 2021	162	9	0	3	3	0	0	2	16				33	
May 2021	30	9	0	3	3	0	0	1	15	2			33	
Apr 2021	12	9	0	2	3	0	0	4	16	2			36	
Mar 2021	4 Winter	4	0	2	3	0	0	4	17				30	
Feb 2021	3 Winter	3	0	2	3	0	0	3	14	2			27	
Jan 2021	3 Winter	3	0	2	3	0	0	2	15	30			55	
Dec 2020	10	9	0	2	3	0	0	2	17	1			34	
Nov 2020	31	9	0	2	3	0	0	2	15	1			32	
Oct 2020	54	9	0	2	3	0	0	13	15	31			73	
Sept 2020	275	9	0	3	4	0	0	1	17	1			35	
Aug 2020	560	9	0	2	4	0	0	1	15	1			32	
Jul 2020	407	9	0	3	3	0	0	2	15				32	
Jun 2020	168	9	0	3	3	0	0	2	17				34	
May 2020	67	9	0	3	3	0	0	1	15	2			33	
Apr 2020	17	9	0	2	3	0	0	7	15	2			38	
Mar 2020	4 Winter	4	0	2	3	0	0	4	17	2			32	
Feb 2020	3 Winter	3	0	2	3	0	0	3	15				26	
Jan 2020	2 Winter	2	0	2	3	0	0	2	17	1			27	

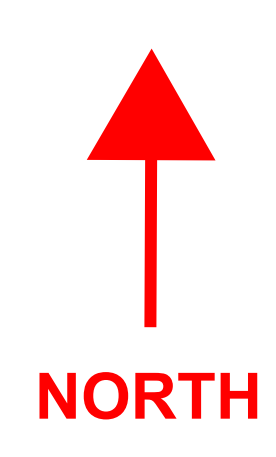
Total (21 Months January 2020 to September 2021) 771

Average Winter Flow	3 CCF (January - March)		
Average Winter Flow	2244 gallons per month	Average month (ccf)	36.7
Average Winter Flow	74.8 per day (based on 30 days)	Cubic Feet / day (average month)	120.8
Average Winter Flow	102 per work day (based on 22 days)	Gallons / day (average month)	903.4
	10 Employees		
	10.2 GPD per employee (based on 22 work days)	Peak Month - October 2020 (ccf)	73
		Cubic Feet / day (peak month)	235.5
		Gallons / day (peak month)	1761.4
	Increased water use in Summer goes almost entirely into final products		
	Assume that in summer production months the sewer flows go up 3 times the winter use.		
	9 CCF Estimated Summer Sewage	Min Month (ccf)	27
	6732 gallons Estimated Summer Sewage (for entire month)	Cubic Feet / day (min month)	87.1
	224.4 per day (based on 30 days)	Gallons / day (min month)	651.5
	258.9 per work day (based on 26 days)		
	10 Employees		
	25.9 GPD per employee (based on 26 work days)		

**USE 1761 gallons per day for existing average daily summer flow**



Sta 12+07.85, 40.78' RT (Baseline "A")  
 Upstream Sanitary MH #9232  
 Rim = 578.53  
 FL 12" N = 569.83  
 FL 12" NE = 569.83  
 FL 12" S = 569.83  
 (Survey shows this MH to be approx. 7.04'  
 east of the CL of railroad tracks and 600'±  
 north of the existing wet well)



Upstream Sanitary MH #6955  
 (This shows up on plan and  
 profile sheets)

Sta 34+07.13, 80.29' RT (John Carey Dr-from SE)  
 Next Upstream Sanitary MH #8373  
 Rim = 580.32±  
 FL 8" SE = 574.22±  
 FL 8" NW = 574.22±  
 FL 12" S = 569.83

**Facility 1 Pump Station & Force Main Improvements**  
**Map of Upstream Sanitary Manholes**  
 4/2/2024